



North America's Largest Metal Forming,  
Fabricating, Welding and Finishing Event

OFFICIAL  
**ON-SITE GUIDE  
& DIRECTORY**

Your complete resource for navigating the show.



**LASERSHOWS.**



**FIREWORKS.**



**ROLLERCOASTERS.**

THE ONE EVENT TO SEE THE MOST SPECTACULAR  
METAL FABRICATION TECHNOLOGY. **FABTECH 2012.**

---

November 12-14, 2012 |  
Las Vegas Convention Center  
[fabtechexpo.com](http://fabtechexpo.com)

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Portable CNC Cutting Machines



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*Simple and beautiful!*

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*As thin as 0.2mm till 3mm.*

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Sheet Metal Plasma CNC Cutting Machines



*As thin as 0.3mm till 5mm.*

**B5**  
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*As thin as 2mm till 22mm.*

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Sheet Metal Plasma CNC Cutting Machines



*As thin as 0.3mm till 22mm.*

[www.IDMLaser.com](http://www.IDMLaser.com)



# FABTECH 2012

Booth N4102



*Welding & Cutting Solutions*



**VERNON TOOL**



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[www.lincolnelectric.com](http://www.lincolnelectric.com)



# EXPERIENCE FABTECH

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## HOW TO USE THE ON-SITE GUIDE & DIRECTORY

The show directory is divided into several tabbed sections to make it easy for you to find whatever you need while visiting FABTECH at the **Las Vegas Convention Center**.

### GENERAL INFORMATION

Beginning on page 9, find information on attendee event services such as baggage check, first aid, lost and found, hotel shuttle information and also schedules, descriptions and room locations for special events at this year's show.

### EDUCATIONAL PROGRAMS & PROFESSIONAL EVENTS

Starting on page 20, find information on the educational programs and pricing, a LVCC meeting room map, schedule-at-a-glance and a list of cosponsor events & meetings at FABTECH. Detailed information on individual education sessions can be found within the FABTECH 2012 Education Program brochures available next to the Show Directory stands in the lobby and at the FABTECH education headquarters, Room N115 or AWS education headquarters, Room N236.

### NEW PRODUCTS

The first tabbed section found on page 28, contains details about the new products and technologies introduced at the show. Take the opportunity to review the descriptions provided by the exhibitors prior to visiting their booth to see the products in action.

### EXHIBITOR LIST

The second tabbed section found on page 51, is an alphabetical listing of exhibitors who are showcasing their products and services at FABTECH 2012. This section includes important exhibitor contact information that can be used as a resource when you return to your office. Exhibitor List is current as of 10/05/12.

### PRODUCT CATEGORIES

The third tabbed section found on page 147, provides a list of exhibitors by specific technology or type of equipment or service displayed in their booths. Use this section as a quick index to compare equipment at the show.

### EXHIBIT FLOOR PLAN

The fourth and final tabbed section found between pages 218 and 219, is a visual representation of the exhibitor booth locations in both the North Hall and Central Hall, including an alphabetical list of all exhibitors represented at the show.

#### Thank You to Our Show Sponsors





# the **lasers** specialists

**Steve Campbell**

CEO, S&B Metal Products

Lakeland, Florida



“**OPTIPLEX's automated setup is the cornerstone of S&B's lean strategies.**”



**OPTIPLEX** was designed to deliver performance features that specifically meet the needs of high variation job shops.

- Material thicknesses from thin gage to 1" standard.
- New PreView 2 control with touch screen and integrated tech tables simplifies operation.
- AIO5 with automated setup assures optimized operation with less operator dependency.
- New Type 10 resonator with ECO Mode lowers operating costs.

S&B is a premier fabricator that produces a great range of low volume parts for customers that include major amusement parks in Orlando, Florida. Their new OPTIPLEX helps them automatically change setups for laser-cut parts twelve times a day, while cutting is optimized to significantly improve throughput at lower operating costs.

Go to <http://optiplex.mazakoptonics.com> to view their video or contact Mazak at **847.252.4500** for more information.



**FABTECH  
Booth 3428**



Over 50 different laser-cutting models

**Mazak**  
OPTONICS CORP.



# EXPERIENCE FABTECH

## WELCOME TO FABTECH 2012!

### Dear FABTECH 2012 Attendee,

On behalf of the Fabricators & Manufacturers Association, International, Society of Manufacturing Engineers, American Welding Society, Precision Metalforming Association and the Chemical Coaters Association International, welcome to North America's largest metal forming, fabricating, welding and finishing event.

Here you will discover all the latest equipment, products and services, brought to you by leading companies, offering solutions to work smarter and be more competitive. There's nothing else like it!



Innovation is key at FABTECH and the show has been designed for every market segment in the metal manufacturing industry. From technology pavilions dedicated to Forming & Fabricating, Metal Forming, Tool & Die, Finishing, Tube & Pipe, and Welding to technology specific educational tracks to new product presentations and extraordinary networking opportunities – FABTECH 2012 is personalized just for you.

Throughout the show, whether you are comparing the latest technology, looking for new ideas and solutions or diversifying your current business, FABTECH offers numerous opportunities to learn and grow. Choose from 100+ educational programs with over 50 new sessions, visit live product demonstrations, and attend free presentations to learn from the experts on how you can be more competitive.

While in Las Vegas, make sure you take advantage of the many opportunities to interact with colleagues in an informal setting during Cocktails & Comedy, FABTECH Happy Hour or the many Las Vegas options available and cement those special relationships that hold our industry together.

Thank you for attending FABTECH 2012, and enjoy the show.

Sincerely,



Bill Rice  
President  
American Welding Society



Burke Doar  
Chairman  
Fabricators & Manufacturers  
Association, International®



LeRoux Gillespie  
President  
Society of Manufacturing  
Engineers



P.J. Thompson  
Chairman  
Precision Metalforming  
Association



Sam Woehler  
President  
Chemical Coaters  
Association International



## ABOUT THE SHOW

FABTECH is the largest metal forming, fabricating, welding, and finishing event in North America. The event exists to bring buyers and sellers together in a convenient venue that facilitates business relationships, networking, education, and the buying process. This premier industry trade show and conference is cosponsored by the American Welding Society (AWS), the Fabricators and Manufacturers Association, International (FMA), the Society of Manufacturing Engineers (SME), the Precision Metalforming Association (PMA) and the Chemical Coaters Association International (CCAI).

## CONNECT WITH FABTECH

FABTECH is not just an event, it's a year-round experience. Connect and engage with other industry professionals and show attendees on FABTECH's social media sites—before, during and after the event!



Check out the new FABTECH blog! Find the latest industry news and technology updates, along with updates on the FABTECH exposition and conference at [blog.fabtechexpo.com](http://blog.fabtechexpo.com).

facebook

Like us on Facebook at [facebook.com/fabtechexpo](http://facebook.com/fabtechexpo) and interact with our fans.

twitter

Follow us on Twitter, @fabtechexpo and #fabtechexpo, to receive information and updates on the show and the industry.

LinkedIn

Network with hundreds of industry professionals in our FABTECH LinkedIn group and join the active conversations.

YouTube  
Broadcast Yourself™

Watch FABTECH on YouTube at [youtube.com/fabtechexpo](http://youtube.com/fabtechexpo) and share and discuss.

## 2012 SHOW HOURS

**Monday, November 12** . . . . . 9:00 a.m. – 6:00 p.m.

**Tuesday, November 13** . . . . . 9:00 a.m. – 5:00 p.m.

**Wednesday, November 14** . . . . . 9:00 a.m. – 4:00 p.m.

## FABTECH 2012 IS MOBILE!

Scan a QR code below with your smartphone app reader to download the FABTECH Mobile App. Available for iPhone, iPad and Android devices. There's also a web-based version of the application for all other web browser-enabled smartphones. The application is designed to enhance your show experience and puts important event information in the palm of your hand so you can access it anytime, anywhere.



Available on the App Store



Available for Android



Web browser-enabled



Or, visit [fabtechexpo.com/mobile-app](http://fabtechexpo.com/mobile-app) to download

## SHOW REGISTRATION

Registration is located in the Central Hall & North Hall lobbies. Anyone who will be attending the exposition MUST register to receive a badge to be admitted to the show. Admission to the exposition is FREE for FMA, SME, AWS, PMA, and CCAI members and \$50 for non-members. Student admission is FREE for members and is \$5 for non-members. No one under the age of 16 will be admitted, and proof of age may be required.

### Central Hall Lobby is for:

Exhibitor registration  
On-site registration  
Already registered (badge pickup)

### North Hall Lobby is for:

Already registered (badge pickup)  
NO on-site registration



## REGISTRATION HOURS

	Exhibitor	Attendee
Friday, November 9	10:00 a.m. – 4:00 p.m.	N/A
Saturday, November 10	8:00 a.m. – 4:30 p.m.	N/A
Sunday, November 11	8:00 a.m. – 4:00 p.m.	10:00 a.m. – 4:30 p.m.
Monday, November 12	7:00 a.m. – 5:00 p.m.	7:00 a.m. – 5:00 p.m.
Tuesday, November 13	7:30 a.m. – 4:00 p.m.	7:30 a.m. – 4:00 p.m.
Wednesday, November 14	8:00 a.m. – 3:00 p.m.	8:00 a.m. – 3:00 p.m.

## HOW TO LOCATE EXHIBITORS ON THE SHOW FLOOR

### Exhibitor Booths

FABTECH 2012 encompasses both the North Hall and Central Hall at the Las Vegas Convention Center. The exhibitor booths are arranged in five (5) technology areas. Overhead signs are displayed throughout the show floor to indicate each technology area, making it convenient for you to find and compare the products and services that you are interested in. In addition, the directory includes a floor plan which is color-coded by these five technology areas:

Forming & Fabricating
Metal Forming, Tool/Die
Finishing
Tube & Pipe
Welding

### New Products

Each year hundreds of new products debut at FABTECH. You will find that each exhibitor with a new product on display is noted with a light bulb  at their booth. In addition, you can look for these icons in front of their name in the Exhibitor List section of this directory and on the exhibitor Floor Plan. You can also find new product information in the tabbed New Product section of this directory starting on page 28.

### Exhibitors by Product Listings

You can refer to the Product Categories tabbed section of the directory to find companies listed by the products and services they provide. Here you will find over 450 individual product categories with exhibitor name and booth number listed below each category.





## EVENT SERVICES

### ATMs

An ATM is located in the Central Hall lobby.

### Badge Corrections

Anyone who will need changes to an exposition or conference badge can go to Registration in the Central Hall lobby.

### Badge Pick Up

Pre-registered attendees can pick up their show badge in the North Hall and Central Hall Lobby Registration areas.

### Business Center

FedEx/Kinko's is located outside C3 and also just west of C1. (Refer to the map on page 22).

### Coat/Baggage Check

Coat and baggage check is located outside C3. (Refer to the map on page 22).

### Disability Services

LVCC is a wheelchair-accessible complex and follows all regulations required by the Americans & Disabilities Act (ADA). If you require a motorized wheelchair during FABTECH, call Scootaround at (888) 441-7575.

### First Aid/Emergency

First aid is located next to Room N118 and also in the North Hall Lobby next to entrance N2. (Refer to the map on page 22).

### Internet Service

Free wireless internet service is provided by SmartCity at the LVCC in the lobby areas only, for attendees who wish to perform light web browsing and basic email activities. This service is not designed to support mission critical functions or streaming applications. Technical support is not provided for individual computers/users. Questions? Contact SmartCity at (888) 446-6911.

Free wireless internet is available in lobby areas only.

Accessing the free wireless is easy as selecting and connecting to the Free Wireless network (SSID) from your list of available networks.

Visitor requiring more robust wireless service may opt to purchase an upgrade service:

Lobby Areas: \$12.95 per day/per computer. Exhibit Halls & Meeting rooms: \$99.95 per day/per computer. Select the Instant Internet SSID, purchase service using a credit card.

### Lost and Found

Items turned in to show management can be claimed in the security office, Room N118. (Refer to the map on page 22).

### Lost Badges

Lost exposition and conference badges can be reprinted at anyone of the registration areas.

### Media Room

The Media Room is located in room N251; phone: (702) 943-3506. Official members of the press are required to register in the Media Room for show and conference admission. Proper credentials are required. (Refer to the map on page 22).

### Restaurants at the LVCC

A FABTECH Bistro is located in both the North and Central Halls. Advance reservations required. Tickets available at the FABTECH Bistro Reservation Desk in the Central Hall lobby.

Lucky's Restaurant is located in the Central Hall lobby.

Additional dining locations are located inside the North and Central



halls. Look for the ♿ on the floor plan, located in the back of this directory, for additional dining locations.

### Restaurant Offsite Reservations

Book your reservations before you leave the show floor. Staff will be on hand during show hours to assist exhibitors and attendees with restaurant reservations as well as offer recommendations. The restaurant reservation counter is located in the Central Hall lobby, phone: (702) 943-3512.

### Show Management Office

The Show Office is located in Room N245. phone: (702) 943-3501 fax: (702)943-3503

American Welding Society Show Office, Room N245 phone: (702) 943-3504

### Tourism & Concierge Desk

Located outside Lucky's restaurant/C1. Flight information is also available at this location. (Refer to the map on page 22).

### VIP Lounge

The VIP Lounge is located in Room N249.

## OFFICIAL EVENT HOTELS

Hotel Name	Distance to Convention Center	Phone
Bally's Hotel and Casino	3.0 Miles	(702) 739-4111
Bellagio	2.3 Miles	(702) 693-7111
Caesars Palace - <i>FMA HQ Hotel</i>	2.5 Miles	(702) 731-7110
Cosmopolitan of Las Vegas	2.7 Miles	(702) 698-7000
Courtyard Convention Center	1.0 Blocks	(702) 791-3600
Embassy Suites Convention Center	0.5 Miles	(702) 893-8000
Encore at Wynn Las Vegas	1.2 Miles	(702) 770-7000
Harrahs Las Vegas	2.0 Miles	(702) 369-5000
Hilton Grand Vacations Suites Las Vegas	0.7 Miles	(702) 946-9210
Las Vegas Marriott	1.0 Blocks	(702) 650-2000
LVH (formerly Las Vegas Hilton) – <i>AWS HQ Hotel</i>	Adjacent	(702) 732-5111
Mirage Hotel and Casino– <i>SME HQ Hotel</i>	1.6 Miles	(702) 791-7111
Paris Las Vegas	2.5 Miles	(702) 946-7000
Renaissance Las Vegas	1.0 Blocks	(702) 784-5700
Residence Inn Convention Center Las Vegas	1.0 Blocks	(702) 796-9300
Riviera Hotel and Casino	1.0 Miles	(702) 734-5110
SpringHill Suites Convention Center	1.0 Blocks	(702) 433-5880
Treasure Island – <i>CCAI HQ Hotel</i>	1.2 Miles	(702) 894-7111
Venetian Resort Hotel Casino – <i>PMA HQ Hotel</i>	1.5 Miles	(702) 414-1000







# WELDING. CUTTING. SOLUTIONS.

## Experience ESAB's innovative welding and cutting products and processes in action at FABTECH.



**PowerCut® 400/700** The newest additions to the powerful, durable, and simple PowerCut lines of plasma cutting packages.



**SPOOLARC® Elite** The next big thing in solid wire, SPOOLARC Elite gives welders less downtime and more weld time.



**PUROX® Elite Series** Our new and improved gas apparatus offers top-of-the-line safety, durability, and performance, no matter your welding or cutting application.



**Mechanized Cutting** Our experts will demonstrate how our new technology and processes can be integrated to work together seamlessly for maximum productivity and profitability.



**Welding Automation** Quality, capacity, and of course much higher productivity. Our Automation division will exhibit several key products and processes.



**Warrior** The new arc welding game-changer from ESAB will be unveiled at FABTECH. Don't miss it!

To learn more about our welding and cutting solutions, **stop by booths N-3922 and N-4122**, visit [esabna.com/fabtech-2012](http://esabna.com/fabtech-2012), or scan the QR code with your mobile device.



## TRANSPORTATION & PARKING

### SHUTTLE SCHEDULE\*

ROUTES 1-4		
	Inbound to LVCC North Hall From Hotels Every 15-20 Minutes	Return to Hotels From LVCC North Hall Every 30 Minutes
<b>Monday, 11/12</b>	7:00 a.m. - 10:30 a.m.	3:00 p.m. - 7:00 p.m.
<b>Tuesday, 11/13</b>	7:00 a.m. - 10:30 a.m.	2:30 p.m. - 5:30 p.m.
<b>Wednesday, 11/14</b>	7:00 a.m. - 10:30 a.m.	2:30 p.m. - 5:30 p.m.

### PROPOSED ROUTES & BOARDING SCHEDULE\*

ROUTE 1	BOARDING POINT
Bally's Las Vegas	Flamingo Road Entrance
Bellagio	Tour Bus Area
Cosmopolitan	Tour Bus Area
Paris Las Vegas	At Bally's, Flamingo Road Entrance
ROUTE 2	
Caesars Palace	Colosseum Bus Entrance
Mirage	Tour Bus Area
Treasure Island	Tour Bus Area
ROUTE 3	
Embassy Suites	Convention Center Front Entrance
Harrah's	Tour Bus Area
Venetian Sands	Tour Bus Area
ROUTE 4	
Encore at Wynn	Wynn Boulevard Entrance
Hilton Grand Vacation at Las Vegas	Curbside on Karen
Riviera	
WALKING DISTANCE (No service required)	
Courtyard by Marriott	
LVH (formerly the Las Vegas Hilton)	
Marriott Suites Convention Center	
Renaissance Las Vegas	
Residence Inn Convention Center	
SpringHill Suites	

\*Please be advised that pick up times & locations listed above are subject to change. Please consult the signage in your hotel lobby for up-to-date schedule and boarding point information.



# EXPERIENCE FABTECH

## Taxi Cabs

Sixteen taxicab companies service the Las Vegas valley, and can offer a convenient method of transportation throughout Las Vegas. Initial activation of taximeter is \$3.30. Each additional 1/13th mile (\$2.60 per mile — includes \$.20 per mile fuel surcharge) is \$0.20. There is an additional fee per pick-up at the McCarran Airport of \$1.80. Please note that fares may vary depending on time of day, day of week, route taken, destination, weather, road conditions and traffic.

## Monorail

Running from 7 to 2 a.m. Monday–Thursday and 7 to 3 a.m. Friday–Sunday, the Las Vegas Monorail connects the Las Vegas Convention Center and LVH to a variety of hotels on the Strip, including MGM Grand, Bally's, Flamingo, and Harrah's. Traveling at a top speed of 50 mph, the monorail is often the quickest travel option to and from FABTECH.

### Pricing:

Single Ride Ticket: \$ 5.00      Three-Day Pass: \$24.00  
One-Day Pass: \$12.00

## McCarran Airport

5757 Wayne Newton Boulevard  
Las Vegas, Nevada  
(702) 261-5211

## Airport Shuttle

A number of affordable options are available for quick and convenient travel to and from the airport. Contact the McCarran Airport at (702) 261-5211 for a complete list of options available.

## LVCC Parking

Gold, Silver 1 & 2 lots will be utilized for parking; \$10.00 parking fee per space with in/out privileges. Anyone leaving the convention center & planning to return the same day can get their ticket stamped for re-entry.

# Custom Marketing for Your Job Shop

The Job Shop Company is a full service custom marketing organization with over 35 years of helping job shops and contract manufacturers market their services. *We know what OEM engineers and buyers are searching for and how to communicate to them.* With thousands of satisfied job shops, we have the knowledge and tools to help your organization drive sales.

Visit us in Booth C5035

**Marketing North American  
Job Shops for Over 35 Years**



The Job Shop Company • 16 Waterbury Road, Prospect, CT 06712  
800-225-4535 • [www.TheJobShopCompany.com](http://www.TheJobShopCompany.com)

## GENERAL INFORMATION



### Solicitation Information

Unauthorized solicitation (suitcasing/outboarding) of or marketing to exhibiting companies is strictly prohibited. Selling activities and distribution of literature, samples and marketing materials are permitted only from within the booth space of officially contracted exhibitors.

### Photography/Filming Restrictions

No videotapes, motion picture film, or other type of cameras are allowed in the exposition area except those belonging to news media and technical press, approved in advance by FABTECH Public Relations staff. Check-in is required at the Media Room located in N251. The use of camera phones for the sole purpose of photography at the show is prohibited.

## EXHIBITOR ADVISORY COUNCIL

The FABTECH Exhibitor Advisory Council (EAC) was established to provide show management with industry input and feedback on trade show issues. The group meets annually during the shows and communicates throughout the year. All exhibitors are encouraged to contact Council members or show management with ideas, feedback, and concerns. The Council is comprised of experienced personnel from exhibiting firms representing each of the five show technology areas.

### WELDING

**Sue Bartholomew**  
Director of Marketing  
ESAB Welding & Cutting  
Products

**David Bellamy**  
Manager Tradeshow  
and Events  
Miller Electric Mfg. Co.

**J. R. (Rusty) Franklin**  
VP Sales and Marketing  
Sellstrom Manufacturing Co.

**Ann Pennino, CME**  
Exhibit Manager  
Praxair, Inc

**Scott Skrjanc**  
Event Marketing Manager  
Lincoln Electric

### FABRICATING

**Mike Albrecht**  
National Sales Manager  
Scotchman Industries Inc.

**Sheila Lamothe**  
Marketing Manager  
TRUMPF

### FABRICATING (CONT'D)

**Lyle Menke**  
Vice President Marketing  
Peddinghaus

**Mark Lobit**  
Marketing Manager  
Mazak Optonics

**Nick Ostrowski**  
General Manager, Media/  
Promotions/Tooling Sales  
Amada America

### TUBE & PIPE

**Jeff Arendas**  
Product Manager,  
Laser Tube Systems  
BLM Group USA

**Bernardo Gutierrez**  
VP Sales Latin America  
Thermatool

**John Hodges**  
Sales Engineer  
T-Drill

### STAMPING

**Lance Curtis**  
Vice President of Sales  
Link Electric & Safety Control Co.

**James Ward**  
General Sales Manager  
Coe Press Equipment Corp

**Lee Ellard**  
National Sales Manager  
Stamtec, Inc

### FINISHING

**Peter Dority**  
VP Sales & Mktg  
Coral Chemical

**John Cole**  
President  
Parker Ionics

**Sam Woehler**  
VP Sales  
George Koch Sons, LLC

### SHOW MANAGEMENT

**John Catalano**  
Society of Manufacturing  
Engineers

**Mark Hoper**  
Fabricators & Manufacturers  
Association, International®

**Joe Krall**  
American Welding Society

**Andy Flando**  
Precision Metalforming  
Association

**Andy Goyer**  
Chemical Coaters  
Association, International



## About the Show Sponsors

FABTECH is cosponsored by five leading industry associations; the American Welding Society (AWS), the Fabricators and Manufacturers Association, International® (FMA), the Society of Manufacturing Engineers (SME), the Precision Metalforming Association (PMA) and the Chemical Coaters Association International (CCAI).



The Fabricators & Manufacturers Association, International, headquartered in Rockford, Ill., USA, is a non-profit educational association dedicated exclusively to metal forming and fabricating professionals. Founded in 1970, it is considered the world's largest educational association for its industry, with thousands of members worldwide. FMA provides in-depth technical information and educational opportunities through conferences, award-winning magazines, extensive research services, and co-sponsorship of the FABTECH International series. Visit FMA at [www.fmanet.org](http://www.fmanet.org).



The American Welding Society (AWS) was founded in 1919 as a multifaceted, non-profit organization with a mission to advance the science, technology and application of welding and allied joining and cutting processes, including brazing, soldering, and thermal spraying. Headquartered in Doral, Florida and led by a volunteer organization of officers and directors, AWS serves about 70,000 members worldwide and is composed of 22 Districts with 250 sections and student chapters. For more information, visit [www.aws.org](http://www.aws.org).



The Chemical Coaters Association International is a technical and professional organization that provides information and training on surface coating technologies. CCAI's foundation is its series of active local chapters across the U.S. that conduct technical meetings on all aspects of organic finishing. Chapters serve as an excellent forum to discuss regional concerns while offering outstanding networking opportunities for finishers and suppliers. CCAI works to raise the standards of finishing operations through educational meetings and seminars, training manuals, certification programs, and outreach programs with colleges and universities. Visit CCAI at [www.ccaiweb.com](http://www.ccaiweb.com).



The Society of Manufacturing Engineers is the world's leading professional society supporting manufacturing education. Through its member programs, publications, expositions and professional development resources, SME promotes an increased awareness of manufacturing engineering and helps keep manufacturing professionals up to date on leading trends and technologies. Headquartered in Michigan, SME influences more than half a million manufacturing engineers and executives annually. The Society has members in 70 countries supported by a network of hundreds of chapters worldwide. Visit SME at [www.sme.org](http://www.sme.org).



The Precision Metalforming Association is the full-service trade association representing the \$113-billion metalforming industry of North America—the industry that creates precision metal products using stamping, fabricating, spinning, slide forming and roll forming technologies, and other value-added processes. Its nearly 1,000 member companies also include suppliers of equipment, materials and services to the industry. PMA leads innovative member companies toward superior competitiveness and profitability through advocacy, networking, statistics, the PMA Educational Foundation, FABTECH and METALFORM tradeshow, and MetalForming magazine. Visit PMA at [www.pma.org](http://www.pma.org).



## Association Contact Information

### AWS Booth # N2031

#### American Welding Society

8669 Doral Blvd.  
Doral, FL 33166  
1-800-443-9353  
[www.aws.org](http://www.aws.org)

### FMA Booth # C6538

#### Fabricators & Manufacturers Association, International®

833 Featherstone Road  
Rockford, IL 61107  
888-394-4362  
[www.fmanet.org](http://www.fmanet.org)

### SME Booth # C6542

#### Society of Manufacturing Engineers

One SME Drive  
Dearborn, MI 48121  
1-313-425-3000  
[www.sme.org](http://www.sme.org)

### PMA Booth # C463

#### Precision Metalforming Association

6363 Oak Tree Boulevard  
Independence, OH 44131  
1-216-901-8800  
[www.pma.org](http://www.pma.org)

### CCAI Booth # C1948

#### Chemical Coaters Association International

5040 Old Taylor Mill Rd.  
PMB 13  
Taylor Mill, KY 41015  
1-859-356-1030  
[www.ccaiweb.com](http://www.ccaiweb.com)

## SPECIAL EVENTS free and open to all attendees



**Moderator: Chris Kuehl**  
Economic Analyst for FMA,  
Managing Director, Armada  
Corporate Intelligence

### STATE OF THE INDUSTRY: MANUFACTURERS' EXECUTIVE OUTLOOK

**MONDAY, NOVEMBER 12, 12:30 p.m. – 1:45 p.m.**

**Location: North FABTECH Theater**

How are businesses that attend FABTECH dealing with change in today's manufacturing environment? Hear insights from leaders representing job-shops, contract manufacturers and other service providers who are dealing with the same issues of supply, demand, labor and changing business sectors that affect your survival in today's economy. Join the interactive Q & A lead by Chris Kuehl, FMA Economist to ask questions and offer your perspective on the future of the industry. Return to your company with new insights that will guide your decision-making in 2013.

**Panelists:**



**Rick Taylor**  
President and CEO  
Jay Industries Inc.



**Gregg Simpson**  
President and Owner  
Ohio Laser LLC



**Patrick J. Thompson (PJ)**  
President  
Trans-Matic Manufacturing Co.



**Jerry B. Ward**  
Vice President  
Metcam Inc.



**Shivie Dhillon**  
Owner and President  
SunDial Powder Coatings



**Moderator: Paul Nathanson**  
Founding Partner  
Policy Resolution Group

### POST-ELECTION ANALYSIS: HOW THE RESULTS IMPACT U.S. MANUFACTURING

**TUESDAY, NOVEMBER 13, 12:30 p.m. – 1:30 p.m.**

**Location: North FABTECH Theater**

The November 2012 elections will have a profound impact on businesses and manufacturing in America. Congress and the President will need to address major issues such as tax reform and environmental regulations in 2013, along with the next steps on health care. Our panelists of Washington insiders will share their insights and take questions on the election results and their implications for these issues and policy implications for labor law, trade agreements, defense spending and energy policy — issues that will impact U.S. manufacturing and your business for many years to come.

**Panelists:**



**Omar S. Nashashibi**  
Partner The Franklin  
Partnership, LLP



**David Goch**  
Partner  
Webster, Chamberlain & Bean



## TO OFFSHORE OR RESHORE? HOW TO OBJECTIVELY DECIDE!

**TUESDAY, NOVEMBER 13, 4:00 p.m. – 4:30 p.m.**

Location: Central FABTECH Theater

Reshoring created about 50,000 manufacturing jobs in the last few years, about 10% of the total U.S. manufacturing jobs added since the low in January 2010. The Reshoring Initiative's Harry Moser will share tips to help you and your customers objectively decide when and what to reshore. Learn how the Initiative's Total Cost of Ownership (TCO) Estimator software helps identify and calculate total cost, including "hidden costs" of offshoring.



**Moderator: Harry Moser**  
Founder and President,  
Reshoring Initiative

## AWS SKILLS COMPETITION

**MONDAY, NOVEMBER 12, 9:00 a.m. – 6:00 p.m.**

**TUESDAY, NOVEMBER 13, 9:00 a.m. – 5:00 p.m.**

**WEDNESDAY, NOVEMBER 14, 9:00 a.m. – 4:00 p.m.**

Location: North Hall, Booth N1131

Check out the mad welding skills of the six top qualifying National SkillsUSA student welders. The excitement heats up throughout the show as they compete for the top three TeamUSA spots in the 2012 Invitational Weld Trials taking place right on the show floor.



## NETWORKING EVENTS free and open to all attendees

### COCKTAILS AND COMEDY

**MONDAY, NOVEMBER 12**

Location: Room N109/N110

**Doors open: 5:30 p.m.**

**Show: 6:15 p.m. – 7:00 p.m.**

Bring on the fun! Connect with new friends and old and celebrate the close of opening day "Vegas-style" at the FABTECH Cocktails and Comedy event. Kick back, relax and enjoy a night of laughs with comedian Greg Hahn. Greg has appeared on Late Night with Conan Obrien, Comedy Central, ABC, CBS and FOX. His lively interactive performance will make you laugh until you cry. You won't want to miss it!

Complimentary beverage ticket if pre-registered for Cocktails & Comedy. Cash bar available.



### HAPPY HOUR

**TUESDAY, NOVEMBER 13, 3:00 p.m. – 5:00 p.m.**

Location: North & Central Halls

Mix and mingle with other attendees and exhibitors during FABTECH Happy Hour. Held on the exhibit hall floor, Happy Hour is a great way to network with peers in a relaxed, entertaining environment while perusing the technology in exhibitor booths.



# EXPERIENCE FABTECH

## NEW PRODUCT PRESENTATIONS

Location: FABTECH Theater, North & Central Halls

Sit in on brief exhibitor-led sessions of the best new products and technologies to hit the market at the FABTECH Theater. With dozens of companies making presentations in two theaters located on the exhibit floor, this is a great opportunity to stay on the leading edge. **Free and open to all attendees.**

Monday, November 12				Tuesday, November 13				Wednesday, November 14			
Time:	Company	Technology	Topic	Time:	Company	Technology	Topic	Time:	Company	Technology	Topic
<b>FABTECH THEATER — CENTRAL HALL</b>											
				10:00 a.m.	<b>TRUMPF Inc</b>	Lasers	TruLaser 5030 Fiber	10:00 a.m.	<b>Binks, DeVilbiss, Ransburg, BGK</b>	Finishing	Advancements in Liquid Fluid Handling Equipment
11:00 a.m.	<b>Wagner Industrial Solutions</b>	Finishing	GM 5000: Liquid Electrostatic Gun	10:45 a.m.	<b>Chicago Slitter</b>	Fabricating	Innovative Coil Fed Laser Blanking Systems	10:45 a.m.	<b>Wintriss Controls</b>	Metalforming	You Can't Fix What You Don't Measure
11:45 a.m.	<b>EXEL North America</b>	Finishing	SAMES InoBell Powder Bell Application	11:30 a.m.	<b>Pretreatment Equipment Mfg Inc</b>	Finishing	Economical Lean Modular Pretreatment System	11:30 a.m.	<b>Photomachining Inc.</b>	Lasers	Fundamentals of Laser Micromachining
1:00 p.m.	<b>Jet Edge</b>	Fabricating	Eco-Friendly Waterjet Pump Technology	1:00 p.m.	<b>Daifuku</b>	Finishing	Extend the Life of your Chain Conveyor with LubriPin				
1:45 p.m.	<b>Proto-1 Manufacturing</b>	Tube & Pipe	Tube Sizing Made Simple	1:45 p.m.	<b>Amada America Inc</b>	Fabricating	HD Press Brake with Automated Tool Changer				
2:30 p.m.	<b>Amada America Inc</b>	Lasers	Fiber Laser Cuts Processing Time in Half	2:30 p.m.	<b>Automec Inc</b>	Metalforming	Tonnage vs. Technology				
3:15 p.m.	<b>DuBois Chemicals</b>	Finishing	First Ever Dilutable Gel: DfE Recognized General Purpose Degreaser	3:15 p.m.	<b>Simufact-Americas LLC</b>	Fabricating	Simulation of the Complete Sheet Metal Manufacturing Process				
4:00 p.m.	<b>FabTrol Systems Inc</b>	Fabricating	Increase Capacity, Shorten Schedules and Improve Quality								
<b>FABTECH THEATER — NORTH HALL</b>											
				10:00 a.m.	<b>Flame Technologies Inc</b>	Safety	Cost Effective Cooling Improves Worker Productivity and Safety	10:00 a.m.	<b>Norton Abrasives</b>	Abrasives	Norton BlueFire Metal Fabrication Products
11:00 a.m.	<b>Chart Inc.</b>	Welding	Flexible, Cost-Effective Gas Supply Solutions for Laser & Welding Applications	10:45 a.m.	<b>Fronius USA LLC</b>	Welding	CMT Twin: The Best of Two Technologies	10:45 a.m.	<b>Frommelt Safety Products</b>	Welding	Guardian Defender Automated Barrier Door
				11:30 a.m.	<b>American Welding Society</b>	Welding	Online Welding Training and Certification through American Welding Online	11:30 a.m.	<b>RealWeld Systems, Inc.</b>	Welding	Weld Training with the Arc On or Off
2:30 p.m.	<b>Bernard &amp; Tre-gaskiss</b>	Welding	New QUICK LOAD Liner AutoLength System Reduces Downtime Caused by Short MIG Gun Liners	2:30 p.m.	<b>OTC Daihen Inc</b>	Welding	FD Series: Changing the Future of Manufacturing				
3:15 p.m.	<b>Bug-O Systems</b>	Welding	Increasing Productivity & Quality of Welding Pipe through Automation	3:15 p.m.	<b>Metabo Corp</b>	Welding	WEPBA Angle Grinders Combine with Combinator Grinding Wheels				
4:00 p.m.	<b>Strong Hand Tools</b>	Welding	Affordable, High Precision German Welding Tables	4:00 p.m.	<b>Rethink Robotics</b>	Robotics	Robots with Common Sense				





**WHERE IS THE WORLD'S LARGEST  
MACHINE MARKETPLACE?**

Visit us in Booth C8545



## EDUCATION PROGRAM

The Fabricators & Manufacturers Association, Int'l (FMA), Society of Manufacturing Engineers (SME), Precision Metalforming Association (PMA), and Chemical Coaters Association International (CCAI), co-sponsor the sessions on cutting, finishing, forming & fabricating, lean, management, stamping, and tube & pipe. All sessions are two hours in length, offering practical knowledge you can use right away. Sessions with Tech Tours combine classroom instruction followed by expert-led guided tours on the show floor to see technology operating in designated booths.

The American Welding Society (AWS) presents a comprehensive lineup of welding education. Led by the industry's top professionals, programs focus on best practices and new commercial developments in welding and thermal spray. Events include conferences, seminars, RWMA Resistance Welding School, professional program, society events, & more.



### Continuing Education Credits

Individuals who attend AWS education programs are awarded 1 PDH (Professional Development Hour) for each hour of education program attendance. Individuals seeking FMA Recertification Credits will be awarded 2 credits for each conference session attended (forming & fabricating, cutting, or finishing tracks) plus an additional 2 credits for attending the show. Individuals who attend SME education programs may be eligible to receive one credit per hour attended toward their SME-managed recertification requirements.

### Tax Deduction

An income tax deduction may be allowed for expenses of education (including registration fees, travel, lodging, and meals) undertaken to maintain and improve professional skills. (Treas. Reg. Sec. 1.162-5). Contact your tax consultant for additional details.

### How to Find Sessions

- Use the **Schedule-at-a-Glance** on pages 23-25 to get a quick preview of all the programs offered at the 2012 event. Programs are grouped by eight tracks: Cutting, Finishing, Forming & Fabricating, Lean, Management, Stamping, Tube & Pipe and Welding.
- Review the **Floor Plan Layout** on page 22 for a visual overview of the meeting rooms where all the FABTECH education and professional events take place.
- Details of the educational programs available at FABTECH can be found in the supplemental **FABTECH 2012 Education Program**. The FABTECH 2012 Education Programs are located next to the Show Directory stands in the lobby, the registration areas in the North Hall Lobby and Central Hall Lobby, the FABTECH education headquarters, Room N115, the AWS education headquarters, Room N236 and also available on the FABTECH mobile app (see page 7 to download the mobile app now).

## EXPERIENCE LEVELS

Use this key to find the education that meets your needs.

- B Basic** – Recommended for the attendee who is new to the industry or needs a refresher on the topic.
- I Intermediate** – Designed for the attendee who already has a basic understanding of the subject matter.
- A Advanced** – For the attendee with several years of experience who is seeking more in-depth information.



# EXPERIENCE FABTECH

## ON-SITE PRICING INFORMATION

On-site registration for paid educational events is available in the **Central Hall Lobby**.

<b>Cutting, Finishing, Forming &amp; Fabricating, Lean, Management, Stamping, and Tube &amp; Pipe Education</b>		
	Member	Non-Member*
<b>1 Session</b>	\$175	\$200
<b>2 Sessions</b>	\$305	\$350
<b>3 Sessions</b>	\$400	\$470*
<b>4 Sessions</b>	\$500	\$570*
<b>Full Conference (5 or more sessions)</b> Includes (1) \$20 lunch ticket	\$705	\$805*

\*Non-member rates for 3 or more sessions include a one-year complimentary membership to one of the co-sponsoring associations (FMA, SME, PMA, CCAI).

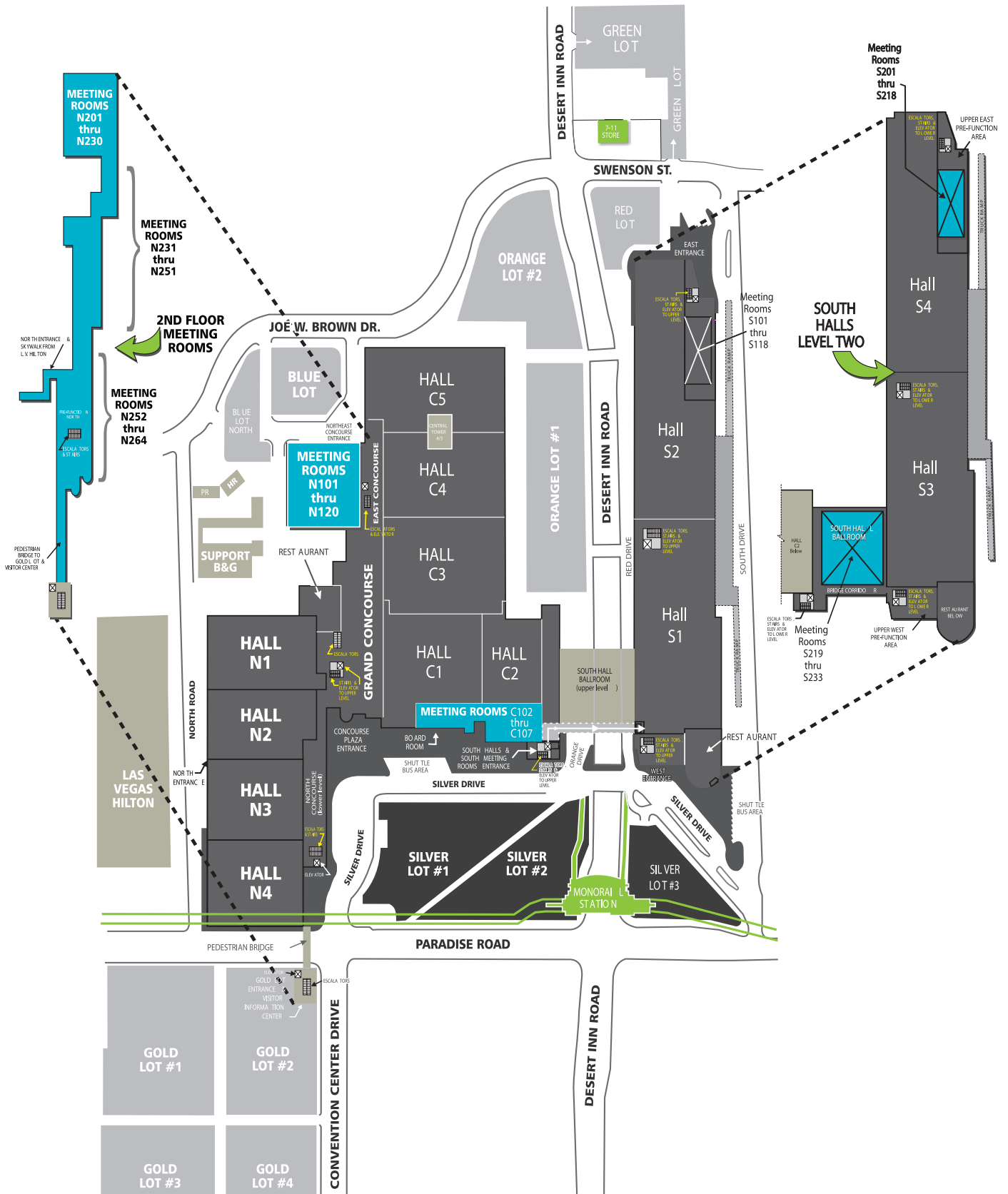
<b>Welding Education</b>		
	Member	Non-Member <sup>a</sup>
<b>1-Day AWS Educational Sessions<sup>b</sup></b>	\$150	\$225
<b>3-Day AWS Educational Sessions<sup>b</sup></b>	\$225	\$360
<b>1/2-Day Seminar</b>	\$150	\$285
<b>1-Day Conference or Seminar</b>	\$345	\$480
<b>2-Day Seminar</b>	\$550	\$685
<b>2-Day RWMA Resistance Welding School</b>	\$475	\$695
<b>1-Day Professional Program</b>	\$150	\$285
<b>3-Day Professional Program</b>	\$225	\$360
<b>Student Professional Program</b>	\$75	\$90 <sup>c</sup>
<b>AWS Awards Luncheon</b>	\$30	\$30

<sup>a</sup> Non-member price for AWS Sessions only includes a two-year AWS Individual Membership.  
<sup>b</sup> This year, the Education Annual Program and the National Welding Education Conference (Weld-Ed) have teamed together to provide the new program titled AWS Educational Sessions. Non-member AWS Educational Sessions price includes a one-year AWS Membership.  
<sup>c</sup> Non-member Student Professional Program price includes a one-year AWS Student Membership.



# EXPERIENCE FABTECH

## LVCC MEETING ROOMS



# EXPERIENCE FABTECH

## SCHEDULE-AT-A-GLANCE

### MONDAY, NOVEMBER 12

TECHNOLOGY	8:00 a.m. – 10:00 a.m.	10:30 a.m. – 12:30 p.m.	1:30 p.m. – 3:30 p.m.
<b>CUTTING</b>	F10: <b>NEW!</b> Overview of Laser Technology and Systems <b>I</b> Room N116	F20: <b>NEW!</b> Innovations and Considerations for Fiber or CO <sub>2</sub> Laser Technology <b>A</b> Room N116	F30: Advancements in Fiber Laser <b>I</b> Room N116
<b>FINISHING</b>	C10: <b>NEW!</b> Building Blocks of a Powder Coating System <b>B</b> Room N102	C20: <b>NEW!</b> Autodeposition & Powder Coating Hand-in-Hand <b>I</b> Room N102	C30: Powder Coating Conversion & Case Studies <b>I</b> Room N102
	C11: <b>NEW!</b> Running Efficient Liquid Systems <b>A</b> Room N103	C21: <b>NEW!</b> When to Use a Custom Coater <b>B</b> Room N103	C31: <b>NEW!</b> Finishing Essentials: Conveyors, Racking & Testing <b>B</b> Room N103
<b>FORMING &amp; FABRICATING</b>	F11: Roll Forming Fundamentals <b>B</b> Room N119	F21: General to Advanced Roll Forming Concepts <b>A</b> Room N119	F31: What's New in Press Brakes with Tech Tour <b>I</b> Room N119
	F12: <b>NEW!</b> Designing Parts for Sheet Metal <b>A</b> Room N120		F32: Estimating: Made to Order <b>I</b> Room N120
<b>LEAN</b>	F13: Low-Volume, High-Variety — No Problem for Lean <b>I</b> Room N114	F22: <b>NEW!</b> Profit Destroyers: Finding and Fixing Them <b>A</b> Room N114	F33: Introduction to 5S and the Visual Workplace <b>I</b> Room N114
<b>MANAGEMENT</b>	F14: <b>NEW!</b> Safety and Productivity for a Responsible Partnership <b>I</b> Room N113	F23: Driving High Performance Through Employee Engagement <b>I</b> Room N113	F34: <b>NEW!</b> Survival and Success Through Shared Lean Vision <b>I</b> Room N113
	F15: Social Marketing on Speed — Crash Course <b>I</b> Room N117	F24: <b>NEW!</b> Online Marketing for Manufacturers: Growing Your Business Using the Web <b>B</b> Room N117	F35: <b>NEW!</b> Let's All Play Nicely Together: Managing Boomers, Xers and Yers in Your Business <b>A</b> Room N117
<b>STAMPING</b>	S10: New Tool Steels to Improve Die Life <b>I</b> Room N108	S20: Introduction to Formability Engineering and Analysis <b>B</b> Room N108	S30: Progressive Strip Layout and Stamping Estimating <b>B</b> Room N108
	S11: <b>NEW!</b> Improving Business Results Through Effective Cost Models and Training <b>I</b> Room N107	S21: <b>NEW!</b> Case Studies - In-Die Sensor Applications and Growing Talent Through Internships <b>I</b> Room N107	S31: <b>NEW!</b> Effective C.I., Safety and World Class Idea Cultures <b>I</b> Room N107
<b>TUBE &amp; PIPE</b>	F16: <b>NEW!</b> Advancements in Welded Tube Production <b>I</b> Room N101	F25: <b>NEW!</b> Principles of Tube Fabrication <b>B</b> Room N101	F36: <b>NEW!</b> Lean and Green Tube Bending <b>I</b> Room N101
<b>WELDING</b>			
<b>SEMINARS</b>	W10: Metallurgy Applied to Everyday Welding • Room N259 . . . . .		8:30 a.m. – 4:30 p.m.
	W11: Advanced Visual Inspection Workshop • Room N260 . . . . .		8:30 a.m. – 4:30 p.m.
	W12: API 1104 Code Clinic (Spanish) • Room N253 . . . . .		1:00 p.m. – 5:00 p.m.
	W15: ASME Section IX, B31.1 & B31.3 Code Clinic - Day 1 • Room N261 . . . . .		8:30 a.m. – 4:30 p.m.
<b>CONFERENCES</b>	W26: Underwater Welding and Cutting • Room N254 . . . . .		9:00 a.m. – 3:30 p.m.
	W30: Thermal Spray Basics: Putting Coatings to Work – FREE • Room N256 . . . . .		1:00 p.m. – 4:00 p.m.
<b>PROFESSIONAL PROGRAM</b>	W32: Rooms N238/N240/N242 Session 1: Industry/University Collaborative Research Center on Integrated Materials Joining Science for Energy Applications – Welding Metallurgy . . . . . 1:30 p.m. – 5:30 p.m. Session 2: Arc Welding Studies . . . . . 1:30 p.m. – 5:30 p.m. Session 3: Weld Microstructure and Properties . . . . . 1:30 p.m. – 5:30 p.m.		
<b>EDUCATIONAL SESSIONS</b>	W37: AWS Educational Sessions • Room N264 . . . . . 8:00 a.m. – 5:00 p.m.		
<b>SPECIAL PROGRAMS</b>	AWS Skills Competition - Day 1 • Show Floor, Booth N1131 . . . . .		9:00 a.m. – 6:00 p.m.
	W42: AWS Education Program Q & A – FREE • Room N258 . . . . .		2:00 p.m. – 3:00 p.m.
	W43: Brazing Symposium – FREE • Room N262 . . . . .		2:00 p.m. – 5:00 p.m.

# EXPERIENCE FABTECH

## SCHEDULE-AT-A-GLANCE

### TUESDAY, NOVEMBER 13

TECHNOLOGY	8:00 a.m. – 10:00 a.m.	10:30 a.m. – 12:30 p.m.	1:30 p.m. – 3:30 p.m.
<b>CUTTING</b>	F40: <b>Comparative Cutting with Tech Tour</b> [B] Room N116	F50: <b>Advancements in Waterjet Cutting</b> [I] Room N116	F60: <b>Advancements in Plasma Cutting</b> [I] Room N116
<b>FINISHING</b>	C40: <b>Conceptos Básicos de Pintura en Polvo en Español</b> [B] Room N102	C50: <b>Efficient Parts Curing with Infrared Technology</b> [B] Room N102	C60: <b>NEW! Trends in Powder Coating Application Equipment</b> [A] Room N102
	C41: <b>NEW! Finishing Essentials: The Importance of Cleaning Prior to Pretreatment</b> [I] Room N103	C51: <b>NEW! A World of Their Own: What's Trending in Coatings</b> [A] Room N103	C61: <b>Protecting Your Finishing Operation</b> [B] Room N103
	C42: <b>NEW! Paint Line Efficiencies and Energy Savings</b> [A] Room N107	C52: <b>NEW! How World-Class Coaters Use Kaizen to Optimize Finishing Line Productivity</b> [I] Room N107	C62: <b>NEW! Innovations in Pretreatment</b> [A] Room N107
<b>FORMING &amp; FABRICATING</b>	F41: <b>NEW! Tooling Solutions for Metal Fabrication</b> [B] Room N119	F51: <b>Effectively Slitting and Blanking Coils</b> [I] Room N119	F61: <b>NEW! How Flat is Your Material? Advancements in Leveling Technology</b> [A] Room N119
	F42: <b>Automated Deburring: A Surprising Cost and Time Saving with Tech Tour</b> [B] Room N120	F52: <b>NEW! Plate Fabrication</b> [I] Room N120	F62: <b>NEW! Using Robotics in Metal Forming and Fabrication</b> [I] Room N120
<b>LEAN</b>	F43: <b>NEW! Introduction to Value Stream Mapping</b> [A] Room N114	F53: <b>NEW! Facility Design and Layout for Lean Manufacturing</b> [I] Room N114	F63: <b>NEW! Quick Changeover Techniques to Reduce Set-up Time</b> [A] Room N114
<b>MANAGEMENT</b>	F44: <b>A Practical Approach to Developing a Strategic Plan for the Job Shop</b> [I] Room N113	F54: <b>NEW! Merger, Acquisition and Capital Review - Preparing Your Company for a Liquidity Event</b> [A] Room N113	F64: <b>NEW! Catapult The Cow – Case Studies in Lean Manufacturing</b> [I] Room N113
	F45: <b>NEW! Developing a Winning Sales Force</b> [I] Room N117	F55: <b>NEW! Strategies to Help Custom Manufacturers Increase Sales and Leads</b> [I] Room N117	F65: <b>NEW! Manufacturing Metrics: Training to Drive Sustainable Business Processes</b> [A] Room N117
<b>STAMPING</b>	S40: <b>NEW! Advances in Stamping Technology: Servo Drives and In-Die Fastening</b> [I] Room N108	S50: <b>NEW! Enhancing Quality Through Efficient Hole Punching and Springback Control</b> [I] Room N108	S60: <b>Stamping High Strength Steel in Progressive Dies</b> [I] Room N108
<b>TUBE &amp; PIPE</b>	F46: <b>NEW! Reducing Scrap on Tube and Pipe Mills</b> [I] Room N101	F56: <b>NEW! Tube Mill Coolants and Testing</b> [A] Room N101	F66: <b>NEW! Best Practices in Hydroforming</b> [B] Room N101
<b>WELDING</b>			
<b>SEMINARS</b>	W13: <b>D1.1 – Code Clinic (Spanish)</b> • Room N257 . . . . .		8:30 a.m. – 4:30 p.m.
	W15: <b>ASME Section IX, B31.1 &amp; B31.3 Code Clinic - Day 2</b> • Room N261 . . . . .		8:30 a.m. – 4:30 p.m.
	W16: <b>The Why and How of Welding Procedure Specifications</b> [B] • Room N259 . . . . .		8:30 a.m. – 12:00 p.m.
	W17: <b>The Why and How of Welding Procedure Specifications</b> [A] • Room N259 . . . . .		1:00 p.m. – 5:00 p.m.
	W18: <b>The Why and How of Welding Procedure Specifications (Full Day)</b> [B] [A] • Room N259 . . . . .		8:30 a.m. – 5:00 p.m.
	W19: <b>Understanding Welding Symbols</b> [B] • Room N262 . . . . .		8:30 a.m. – 12:00 p.m.
	W20: <b>Understanding Welding Symbols</b> [A] • Room N262 . . . . .		1:00 p.m. – 5:00 p.m.
	W21: <b>Understanding Welding Symbols (Full Day)</b> [B] [A] • Room N262 . . . . .		8:30 a.m. – 5:00 p.m.
	W22: <b>Welding of Stainless Steel</b> [B] • Room N232 . . . . .		8:30 a.m. – 4:30 p.m.
<b>CONFERENCES</b>	W27: <b>Health and Safety in the Welding Environment</b> • Room N253 . . . . .		9:00 a.m. – 4:00 p.m.
	W29: <b>Thermal Spray Technology: High-Performance Surfaces</b> • Room N255 . . . . .		9:00 a.m. – 5:00 p.m.
<b>RWMA SCHOOL</b>	W31: <b>RWMA Resistance Welding School - Day 1</b> • Rooms N239/N241 . . . . .		7:45 a.m. – 5:30 p.m.
<b>PROFESSIONAL PROGRAM</b>	W33: Rooms N238/N240/N242		
	Session 4: <b>Keynote Address: Dr. Peter Mayr</b> . . . . .		8:00 a.m. – 9:00 a.m.
	Session 5: <b>Industry/University Collaborative Research Center on Integrated Materials Joining Science for Energy Applications – Modeling</b> . . . . .		9:00 a.m. – 12:00 p.m.
	Session 6: <b>Friction Stir Welding &amp; Solid State Processes</b> . . . . .		9:00 a.m. – 12:00 p.m.
	Session 7: <b>Welding Metallurgy</b> . . . . .		9:00 a.m. – 12:00 p.m.
	Session 8: <b>Sensing Applications</b> . . . . .		2:00 p.m. – 5:00 p.m.
Session 9: <b>Industry/University Collaborative Research Center on Integrated Materials Joining Science for Energy Applications – Weldability</b> . . . . .		2:00 p.m. – 5:30 p.m.	
Session 10: <b>Applied Technology</b> . . . . .		2:00 p.m. – 5:30 p.m.	
<b>EDUCATIONAL SESSIONS</b>	W38: <b>AWS Educational Sessions (including Plummer Lecture)</b> • Room N264 . . . . .		8:00 a.m. – 5:00 p.m.
<b>SPECIAL PROGRAMS</b>	AWS Skills Competition - Day 2 • Show Floor, Booth N1131 . . . . .		9:00 a.m. – 5:00 p.m.
	W41: <b>AWS Awards Luncheon</b> • Rooms N258/N260 . . . . .		12:00 p.m. – 2:00 p.m.



# EXPERIENCE FABTECH

## SCHEDULE-AT-A-GLANCE

### WEDNESDAY, NOVEMBER 14

TECHNOLOGY	8:00 a.m. – 10:00 a.m.	10:30 a.m. – 12:30 p.m.
<b>CUTTING</b>	F70: <b>NEW!</b> Industrial Applications in Laser <b>I</b> Room N116	
<b>FINISHING</b>	C70: <b>NEW!</b> Manual Powder Coating: The Basics <b>B</b> Room N102	C80: <b>NEW!</b> Cost Saving Measures for Powder Coating <b>A</b> Room N102
	C71: Advances in Porcelain Enamel <b>B</b> Room N103	C81: Introduction to Electrocoating <b>B</b> Room N103
<b>FORMING &amp; FABRICATING</b>	F71: <b>NEW!</b> Maximizing Your Press Brake <b>A</b> Room N119	
<b>LEAN</b>	F72: <b>NEW!</b> Introduction to Total Productive Maintenance <b>I</b> Room N114	F80: <b>NEW!</b> The Six Sigma Problem Solving Strategy in a "Nutshell" <b>A</b> Room N114
<b>MANAGEMENT</b>	F73: Implementing Lean Manufacturing in a High Mix – Low Volume Shop <b>I</b> Room N113	F81: <b>NEW!</b> Backshoring/Reshoring: A Manufacturing Opportunity <b>B</b> Room N117
	F74: <b>NEW!</b> Leadership: Supporting Growth and Profitability <b>A</b> Room N117	
<b>STAMPING</b>	S70: <b>NEW!</b> Improving Stamping Efficiencies Through Measuring and Right Sizing Equipment <b>I</b> Room N108	S80: <b>NEW!</b> Stamping Press Maintenance – Preventive and Planned Obsolescence <b>I</b> Room N108
<b>WELDING</b>		
<b>SEMINARS</b>	W14: D1.5 - Bridge Code Clinic • Room N257 . . . . . 8:30 a.m. – 12:00 p.m.	
	W23: Welding of Stainless Steel (Avoiding Weld Defects) <b>I</b> • Room N260 . . . . . 8:30 a.m. – 4:30 p.m.	
	W25: Corrosion of Welds: Causes and Cures • Room N262 . . . . . 8:30 a.m. – 3:00 p.m.	
<b>CONFERENCES</b>	W28: Trends in Nondestructive Examination • Room N255 . . . . . 9:00 a.m. – 3:30 p.m.	
<b>RWMA SCHOOL</b>	W31: RWMA Resistance Welding School - Day 2 • Rooms N239/N241 . . . . . 8:00 a.m. – 3:45 p.m.	
<b>PROFESSIONAL PROGRAM</b>	W34: Rooms N240/N242	
	Session 11: Keynote Address: Prof. Philip Withers . . . . . 8:00 a.m. – 9:00 a.m.	
	Session 12: Applications of Weld Modeling . . . . . 9:00 a.m. – 12:30 p.m.	
	Session 13: Weldability . . . . . 9:00 a.m. – 12:30 p.m.	
<b>EDUCATIONAL SESSIONS</b>	W39: AWS Educational Sessions • Room N264 . . . . . 8:00 a.m. – 12:00 p.m.	
<b>SPECIAL PROGRAMS</b>	W44: AWS Prayer Breakfast • Room N253 . . . . . 7:30 a.m. - 9:00 a.m.	
	AWS Skills Competition - Day 3 • Show Floor, Booth N1131 . . . . . 9:00 a.m. – 4:00 p.m.	
	AWS Certification Exam (advance application required) • Rooms N219/N220 . . . . . 7:00 a.m. – 6:00 p.m.	

# EXPERIENCE FABTECH

## ASSOCIATION MEETINGS

MEETING	DATE	START TIME	END TIME	LOCATION*	ASSOCIATION
AWS Education Committee Meeting	11/11/12	8:00 a.m.	2:00 p.m.	N233	AWS
D10P Subcommittee on Local Heat Treating of Pipework	11/11/12	1:00 p.m.	4:00 p.m.	Las Vegas Hotel, Exec Board Rm	AWS
C7B Subcommittee on Electron Beam Welding and Cutting	11/11/12	2:00 p.m.	4:00 p.m.	Las Vegas Hotel, Conf. 5 & 6	AWS
C7C Subcommittee on Laser Beam Welding and Cutting	11/11/12	4:30 p.m.	6:00 p.m.	Las Vegas Hotel, Conf. 5 & 6	AWS
C7 Committee on High Energy Beam Welding and Cutting	11/11/12	6:30 p.m.	8:00 p.m.	Las Vegas Hotel, Conf. 5 & 6	AWS
C5 Committee on Arc Welding and Cutting	11/12/12	8:00 a.m.	12:00 p.m.	N237	AWS
C2 Committee and Subcommittees on Thermal Spraying	11/12/12	8:00 a.m.	5:00 p.m.	N233	AWS
D15C Subcommittee on Track Welding	11/12/12	8:00 a.m.	5:00 p.m.	N239	AWS
C6D Committee on Friction Stir Welding	11/12/12	8:00 a.m.	5:00 p.m.	N235	AWS
D17D Subcommittee on Resistance Welding in the Aircraft and Aerospace Industries	11/12/12	8:00 a.m.	5:00 p.m.	N232	AWS
D17J Subcommittee on Friction Stir Welding in the Aircraft and Aerospace Industries	11/12/12	8:00 a.m.	5:00 p.m.	N231	AWS
AWS Opening Session & Annual Business Meeting	11/12/12	9:00 a.m.	12:00 p.m.	N255/N257	AWS
Comfort A. Adams Lecture	11/12/12	10:30 a.m.	12:00 p.m.	N255/N257	AWS
D14G Subcommittee on Welding of Rotating Equipment	11/12/12	1:00 p.m.	5:00 p.m.	N237	AWS
AWS Officer's/President's/Counterpart's Reception	11/12/12	6:30 p.m.	8:00 p.m.	Las Vegas Hotel, Ballroom A	AWS
SME Forming & Fabricating Community Advisory Meeting	11/13/12	7:00 a.m.	11:00 a.m.	N213	SME
D16 Committee on Robotic and Automatic Welding	11/13/12	7:30 a.m.	9:00 a.m.	Las Vegas Hotel, Conf. 7	AWS
FMAC Economic Forecast Breakfast (w/ Chris Kuehl)	11/13/12	8:00 a.m.	9:00 a.m.	N227 & N228	FMA
D14I Subcommittee on Welding on Hydraulic Cylinders	11/13/12	8:00 a.m.	12:00 p.m.	Las Vegas Hotel, Conf. 1 & 2	AWS
D17K Subcommittee on Fusion Welding in the Aircraft and Aerospace Industries	11/13/12	8:00 a.m.	5:00 p.m.	N231	AWS
C3 Committee and Subcommittees on Brazing and Soldering	11/13/12	8:00 a.m.	5:00 p.m.	Las Vegas Hotel, Pav. 11	AWS
D9 Committee on Welding, Brazing, and Soldering of Sheet Metal	11/13/12	9:00 a.m.	5:00 p.m.	Las Vegas Hotel, Conf. 3	AWS
B1C Task Group on the Welding Inspection Handbook	11/13/12	9:30 a.m.	5:00 p.m.	Las Vegas Hotel, Conf. 7	AWS
Thomas Lecture	11/13/12	10:00 a.m.	10:30 a.m.	N232	AWS
Plummer Lecture	11/13/12	10:45 a.m.	11:45 a.m.	N264	AWS
AWS Awards/Foundation Luncheon	11/13/12	12:00 p.m.	2:00 p.m.	N258/260	AWS
AWS Welding Handbook Committee Meeting	11/13/12	1:00 p.m.	3:30 p.m.	N234	AWS
D14E Subcommittee on Welding of Cranes and Presses	11/13/12	1:00 p.m.	5:00 p.m.	Las Vegas Hotel, Conf. 1 & 2	AWS
AWS National Nominating Committee – Open Meeting	11/13/12	2:00 p.m.	3:00 p.m.	N256	AWS
Women of Gases & Welding Reception	11/13/12	5:00 p.m.	6:00 p.m.	North Hall Theater	AWS
FMAC Meet the Editors	11/13/12	5:00 p.m.	7:00 p.m.	N227 & N228	FMA
SME Member Reception	11/13/12	5:00 p.m.	7:00 p.m.	N109/N110	SME
AWS Technical Papers Committee Meeting	11/13/12	5:15 p.m.	6:15 p.m.	N234	AWS
D14C Subcommittee on Welding of Earthmoving and Construction Equipment	11/14/12	8:00 a.m.	10:00 a.m.	Las Vegas Hotel, Conf. 1 & 2	AWS
B1B Subcommittee on Visual Examination of Welds	11/14/12	8:00 a.m.	10:00 a.m.	Las Vegas Hotel, Conf. 3	AWS
G2D Subcommittee on Reactive Alloys	11/14/12	8:00 a.m.	10:30 a.m.	N238	AWS
D17 Committee on Welding in the Aircraft and Aerospace Industries	11/14/12	8:00 a.m.	12:00 p.m.	N231	AWS
C3 Committee and Subcommittees on Brazing and Soldering	11/14/12	8:00 a.m.	5:00 p.m.	Las Vegas Hotel, Pav. 11	AWS
D14 Committee on Machinery and Equipment	11/14/12	10:00 a.m.	12:00 p.m.	Las Vegas Hotel, Conf. 1 & 2	AWS
B1 Committee on Methods of Inspection	11/14/12	10:00 a.m.	12:00 p.m.	Las Vegas Hotel, Conf. 3	AWS
A5K Subcommittee on Titanium and Zirconium Filler Metals	11/14/12	10:30 a.m.	12:00 p.m.	N238	AWS
ACIIW	11/14/12	10:30 a.m.	12:00 p.m.	N232	AWS

\*Location of events is within the Las Vegas Convention Center unless otherwise noted.

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While others were scrambling to reconfigure their CO<sub>2</sub> lasers for fiber optics, Salvagnini was introducing its second generation of cutting edge fiber lasers – the L3 & L5. Once again the legacy laser makers were too late.

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- Amada's booth will showcase state-of-the-art technologies and machine demonstrations via live feed from both the Los Angeles Technical Center (LATC) and the Amada Solution Center in Schaumburg, IL — allowing you to experience a wider range of systems and solutions.



Los Angeles Technical Center



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BOOTH # N2610

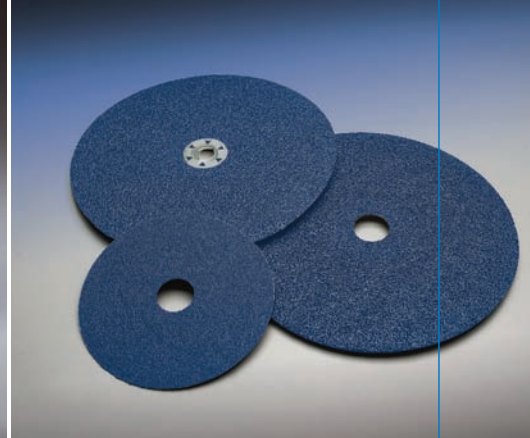
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# NEW PRODUCTS

## Arc Welding

### 3M

Booth N5502

#### Speedglas™ Welding Helmet 9100 MP

3M introduces its Speedglas™ welding helmet 9100 featuring multi-protection; HH, APF 25, welding and grinding headgear.

### ABICOR Binzel Corp

Booth N5508

#### DELTA-MIG®

American style MIG torch for heavy-duty applications. Available up to 480 amps.

#### RAB Grip Fume Extraction MIG Welding Torch

ABICOR introduces its fume extraction MIG welding torch with ergonomic handle. Available in a light-weight version the MIG welding torch has a smaller extraction tube diameter for better accessibility.

### D/F Machine Specialties Inc

Booth N2224

#### Hardbanding & Hardfacing Automation Torch

D/F's heavy duty water-cooled torch is ideal and has been used for metal build up, hardbanding, hardfacing and metal spray applications, or even retrofit with a flux delivery system for sub-arc applications, and applications where carbide is added.

### Dinse Inc

Booth N2717

#### MET 3700 Gas Cooled Welding Torch

The MET 3700 has a patented design that utilizes the separately delivered gas to the neck of the welding torch. Dinse welding torches also reduce shielding gas consumption up to 25% by delivering the shielding gas through a separate gas line opposed to traditional deliver through the liner.

### JASIC Technology Co Ltd

Booth N2019

#### 1-PCB Series MMA (IGBT) Inverter

The 1-PCB series offers a tight & compact structure; easy production, stable and reliable; air duct integration for higher efficiency; good shaping and full function; arc force, anti-stick, hot start, lift TIG, V.R.D, and O.H. lamp.

### MAGMAWELD

Booth N1628

#### Monostick 160i Welding Inverter

MAGMAWELD introduces its single phase portable MMA (SMAW) DC welding inverter. Features include excellent arc characteristics with all types of electrodes up to 4mm (5/32"), low energy consumption, works with generator sets and long cables, fan cooled and thermally protected against overloading and a light but rugged design.

### OTC DAIHEN Inc

Booth N3622

#### FD Series Robots

The FD Series advanced arc welding robots are a suitable solution for arc welding automation. Features include a new style and light weight teach pendant, quality control functions, compact eco-friendly design with reduced power consumption, welding condition guide function, jog dial, one-touch access, space conservation and increased reliability.

### Southern Stud Weld Inc

Booth N2616

#### Soyer BMS-9N Stud Welding Machine

The soyer BMS-9N is a small, lightweight and portable capacitive discharge stud welding system. PS-9 Gun displays the status of the welding equipment via a traffic light LED system.

## Assembly

### Attexor Clinch Systems SA

Booth C5622

#### SPOT CLINCH 4006 P 50 MAS

The Spt Clinch 4006 P 50 MAS is a stand-alone machine that can join up to 2 x 0.08" or 2 x gauge 14 or 2 x 2 mm of mild steel at a rate of up to 100 joints per minute. The tool provides high force, more than 50 kN (11Klbs) for strong joints. The deep C frame, 16" or 400 mm, is suitable for large pieces

## Bending/Forming

### Baileigh Industrial Inc

Booth C7513

#### MB-60CNC-R

The MB-60CNC-R is a 9 axis 60mm fully automatic CNC controlled mandrel bender which includes roll banding axis and a Windows® operating system.

### Beckwood Press Co

Booth C1228

#### Custom 10-Post Hydraulic Heated Platen Press

The Beckwood Press features a unique, 10-post hydraulic heated platen press with 5 zones of force control, each consisting of two hydraulic cylinders. The press is used in the compression molding of honeycomb panels for application in a variety of different industries.

### Dake Corporation

Booth C6923

#### PST 100S 100-Ton 2-Post Platen Hydraulic Press

Dake Corporation introduces the PST 100S, a 100-ton, semiautomatic, 2-post platen, hydraulic press. Both the upper travelling platen and the lower fixed platen have t-slots to mount tooling. Stroke and return distance are set by adjustable limit switches.

### Haeusler AG

Booth C5540

#### 4-Roll Plate Roll VRM-hy Special

Haeusler introduces its VRMhy special, a 4-roll machine with an actively controlled top roll support. The top roll support enables rolling of higher wall thicknesses at given bending diameters compared to standard plate rolls.

### MegaFab-Piranha-Whitney-Bertsch

Booth C5113

#### Bertsch NC Control

Bertsch NC control features include: program creation by editing individual blocks or teach as you roll, able to program a blended radius, proportional control of all roll movements, 15" color touch screen display, unlimited job storage via internal memory, usb storage, or network connection and designed, developed and supported by the MegaFab engineering and service group.

### Xinxiang Tianfeng Machinery Manufacture Co Ltd

Booth C7148

#### TF piling sheet roll forming line

TF piling sheet line adopts quick-change cassettes structure, offering users one machine that can produce 8 profiles with the advantages of high speed and automation.





**Brazing & Soldering**

**Elo Automated Stainless Steel Technologies Qingdao Co Ltd**  
Booth C8342

**Metal Parts, Heat Exchanger, Condenser, and Finned Tube**

Elo Automated Stainless Steel Technologies Qingdao Co Ltd offers a wide variety of stainless steel and metal products with the highest quality according to European quality standards utilizing robot welding equipment, high-precision CNC equipment and LVD laser and cutting equipment. Specialists from Denmark assist the company with support and training.

**Lucas-Milhaupt Inc**  
Booth N5027

**Sil-Fos® Rings**

Lucas-Milhaupt Inc Sil-Fos 15 rings are designed for brazing copper tubular components for HVAC/R installation applications. The rings use a calculated alloy volume for standard size copper tube providing repeatable joint quality while controlling alloy usage.

**UltraBraz**  
Booth N6226

**Luvata and Ultra Infiltrant**

UltraBraz is specifically designed for furnace brazing applications and is effective in overcoming the challenges of large gap brazing. UltraBraz's joint strength, wetting and filling characteristics are superior to traditional alloys.

**Western Enterprises**  
Booth N2933

**VN -250 / 500 HVAC Nitrogen Purging Regulator**

Western Enterprises offers the VN-250/500, a nitrogen preset regulator and flowmeter all in one for purging HVAC linesets.

**Business Services**

**American Welding Society**  
Booth N2031

**Online Welding Safety Certificate Course**

Improve safety and health of your welding operations. Three-hour self-paced course from

AWS covers electric shock, vision and skin protection, ventilation, fire protection, handling of gases, and much more. Free demo at [awo.aws.org](http://awo.aws.org)

**Association For Iron & Steel Technology**  
Booth C8530

**AIST Process Benchmark (APB)**

The AIST Process Benchmark is an online benchmarking tool for tracking key performance indicators (KPIs) between users engaged in the direct manufacturing of iron and steel.

**Chemical Coaters Assoc Int'L**  
Booth C1948

**Powder Coating Training Manual**

CCAI offers its sixth edition of Powder Coating for Industrial Finishing Applications, which has been completely revised and updated to provide all the information finishers need to produce quality powder coated parts.

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## Business Services

### Fabricators & Manufacturers Association

Booth C6538

#### 2012 Financial Ratios Survey Results

FMA's 2012 Financial Ratios Survey is a collection of liquidity, profitability, asset and debt management, operational benchmarking, and value proposition and marketing effectiveness data where results are shown based on company size, sales volume, geographic region, and plant square footage.

### Industrial Machinery Digest

Booth C8506

[IMDauctions.com](http://IMDauctions.com)

### Precision Metalforming Association

Booth C463

#### Fabricating Product News

PMA offers its Fabricating Product News, a dedicated publication featuring new products and the latest technology hitting the market to help metal fabricators increase their competitive edge.

### Society of Manufacturing Engineers

Booth C6542

#### Manufacturing Knowledge Base (MKB)

A peer-reviewed, validated, and encyclopedic WIKI combines the best features, expert content, illustrations and images of the former Tool & Manufacturing Engineer's Handbook, dictionary, thesaurus and other works that span major manufacturing processes.

### Weld.com

Booth N4809

#### Apples-to-Apples

Apples-to-Apples contains unbiased product comparisons evaluating all manufacturers' products in given categories from the consumer level, all the way to industrial grade machines.

## Coil Processing

### ARKU Coil Systems Inc

Booth C7528

#### FlatMaster® Hydraulic Precision Leveler

ARKU introduces its hydraulic precision leveler FlatMaster® which features gap control,

overload protection and a quick change system for its leveling rollers. ARKU achieves excellent leveling results for material from .020 to 2 3/8" thickness.

### Butech Bliss

Booth C5532

#### Synergy Leveling System™

The Synergy Leveling System™ includes Butech Bliss' independent work roll drive system and a proprietary work roll configuration. This technology requires up to 30% less horsepower for a given level of plastification than a conventional leveler.

### Feed Lease Corp

Booth C928

#### Tail Out Pony Servo Feeds

Feed Lease Corp offers its Tail Out Pony Servo Feeds which are designed to tail out the end of a coil. The system is primarily used in blanking application and allows the operator to produce more parts per coil and minimize the amount of scrap that is thrown away.

### Herr Voss Stamco

Booth C7239

#### ELT™ Enhanced Leveling Technology

ELT™ enhanced leveling technology meets the quality demand for stable material during and after post processing by laser, plasma or water jet cutting methods. This technology can be deployed as part of a new cut-to-length line, or as a standalone process with the ability to enhance individual sheets.

### Lapham-Hickey Steel Corp

Booth C840

#### Bradbury eDrive and FlatTrak

The eDrive system offers two gear boxes allowing for greater yield of the material through the levelers. This eliminates stress ensuring the material remains flat. The in line Flat Trak system provides informed decisions prior to the cut ensuring quality.

### Leveltek Intl LLC

Booth C5950

#### LT-1100 Stretcher Leveling System

Leveltek Intl LLC introduces its Stretcher Leveling System, which produces non-marked, memory-free, laser quality metals.

## Red Bud Industries

Booth C4732

#### Automatic CNC Programmable Slitting Head

Red Bud Industries fully automatic CNC programmable slitting head can be used in both multi-blanking and slitting lines. It is fully automated and will set itself up without operator intervention in less than two minutes. The design supports up to ten cuts at .250".

## United Performance Metals

Booth C1157

#### Traverse Winder

United Performance Metals offers the value of Traverse Winding solutions to its slit coil operations. UPM can offer its customers slit edge or edge conditioned coils with many times the linear strip footage as would be possible on conventional or pancake wound coils.

## Cutting

### BTM Bandsaws

Booth C8416

#### Model 125 SA Grating Saw

BTM Bandsaws offer the Model 125, a unique, custom designed semi-automatic bandsaw machine for cutting grating sheet steel, or polyurethane foam panels. This bandsaw features a movable guide arm with specially designed vertical clamping and electronic variable blade speed adjustment.

### Chicago Slitter

Booth C7023

#### Coil Fed Laser Blanking Line

The Coil Fed Laser Blanking Line can eliminate costly dies and die maintenance, cut ultra high strength steel easily and is flexible enough for low, medium to high volume part production.

### Delta Steel Technologies

Booth C5952

#### Rotary Shear

Delta Steel Technologies introduces its latest rotary shear technology. The company has engineered and built a rotary shear able to cut 1" thick by 102" wide high-strength steel.

### HGG Profiling Equipment

Booth C8127

#### MPC 350

The HGG multi-profile cutting machine can be configured to cut a variety of profile shapes,



including pipes, box sections, angle bars and flat sheet metal strips. With ProCAM software and a free DSTV 3D viewer, user capabilities are multiplied.

### **Hougen Manufacturing Inc** Booth C4821

#### **ROTACUT™ Master Kits**

Master Kits include 16 different sizes of RotaCut™ Sheet Metal Hole Cutters in a handy storage case.

### **Komatsu America Industries LLC** Booth C6510

#### **Twister Fine Plasma**

Komatsu introduces its Twister Fine Plasma featuring a 6 x 12 table.

### **MegaFab-Piranha-Whitney-Bertsch** Booth C5113

#### **Whitney Advantage**

The Whitney Advantage high precision plasma cutting system features: 2m x 4m unitized steel tubular fram, precise positioning, high acceleration/deceleration for contour definition at fast cutting speeds, multi-zone downdraft cutting table, Hypertherm Edge Pro CNC control, Hypertherm HPR130XD or HPR260XD plasma cutting system, Hypertherm ArcGlide THC torch height control and True Hole™ capability.

### **Messer Cutting Systems** Booth C5916

#### **EdgeMax**

The EdgeMax is designed as a compact machine with a rugged unitized steel table / frame, full capture bearing assemblies and a low-mass aluminum beam. Driven by dual brushless AC motors, the EdgeMax provides fast acceleration, precise motion and a very stable cutting platform.

#### **Fiber Laser with Plasma Combination**

Fiber laser with plasma combination machines are 2.5 times more productive over traditional Plasma Oxyfuel systems a lower operating cost.

#### **MetalMaster Plus**

The MetalMaster Plus is a unitized gantry cutting machine that utilizes precision plasma to produce excellent cut parts.

#### **MetalMaster Plus Shuttle Table**

The MetalMaster Plus shuttle table is a heavy

performance precision gantry cutting machine and dual pallet shuttle table.

#### **MPC2000**

Messer Cutting Systems offers the redesigned MPC2000 which features linear ways, long-life band drives, and larger end trucks.

#### **PlateMaster**

The PlateMaster is a rugged steel, dual drive box beam gantry with heavy duty floor mounted rail system, provides a platform for Plasma and Oxyfuel cutting.

#### **Titan II**

The Titan II is a robust gantry machine. Designed for use in a wide variety of industries, it uses the latest technology to provide versatile cutting capability.

#### **TMC4500 ST**

The TMC4500 is heavy duty box-beam constructed gantry cutting machine, built to perform in your rigorous production environment.

### **Metabo Corp** Booth N6131

#### **Ultra-M 4.0 Ah Battery**

Lithium-Ion batteries by Metabo Corp feature state-of-the-art cell monitoring system, electronic single cell protection (ESCP), are lightweight, compact with patented air-cooled charging technology and do not have a memory effect. It can be charged at the user's convenience without having to wait for the battery to totally discharge and does not lose any of its charging capability.

### **Pace Technologies Corp** Booth N2916

#### **MEGA-M250 Abrasive Saw**

This bench top model abrasive saw is great for sectioning welds for inspection. With a 10-inch blade capacity, this saw can cut through 2.5-inches of stock material. The cam locking vises allow for easy fixturing and sectioning of parts.

### **Praxair Inc** Booth N5202

#### **ProStar PRO Series CNC Cutting Tables**

The ProStar PRO series of CNC cutting tables includes six models designed for light manufacturing, job shops and serious hobbyists. They feature a welded steel framework, high-precision components, and professional-grade CNC controllers.

### **Rhino Cutting Systems** Booth N6138

#### **Fab Shop Series of Cutting Tables**

The Fab Shop series of cutting tables are for customers with lighter production needs and a smaller budget. Features include: ELICAL rack and pinions, one piece design, pre-tuned and tested, standard 5' x 10' cutting envelope, 6 programmable ventilation zones or auto raise lower water table, 1kW drives and precision planetary gear boxes, thermal dynamics and arc voltage high performance height control with crash detection.

### **Sahajanand Laser Technology LTD** Booth C8230

#### **Fiber Laser Cutting Machine**

Sahajanand Laser Technology Ltd offers a fiber laser cutting machine featuring mid-range high precision sheet-metal cutting Brahmastra Prime using the latest laser technology synchronized with hi-end CNC controller.

### **SteelTailor Ltd** Booth N4919

#### **Valiant Series**

SteelTailor Valiant series is for antilever type portable machines. The cross beam can be removed easily from the central unit, installation and packing of the machine is convenient and the spring follow-up device is removed. Additional features include: wider rail frame, rack and pinion precision; plasma and oxy-fuel, compatible; automatic torch height control; can be extended to maximum: 2000mm x 15000mm.

### **Thermacut Inc** Booth N5508

#### **SilverPro Electrodes**

Thermacut's Silver-Pro electrodes are the combination of a copper electrode body and a solid silver insert for mechanized cutting processes.

### **Victory Plasma Systems Inc** Booth N4833

#### **Pipe Cutter**

In addition to the Victory Plasma Systems regular downdraft or water table cutting systems, additional pipe-cutting capabilities are available.





## Fastening & Joining

### International Technologies Inc

Booth C8111

#### TapONE CNC tapping system

The TapONE taps holes in nested sheets of parts up to .196" thick and up to 50" wide by unlimited length utilizing a 4-station servo driven tapping head.

### LORD Corporation

Booth N2011

#### Maxlok™ Acrylic Adhesives

Maxlok™ acrylic adhesives provide a lower-cost alternative compared to traditional fastening methods and bond a wide variety of substrates. Designed to withstand low and high-temperature environments subject to high peel loads, Maxlok™ adhesives improve aesthetics and durability and reduce stress points, leaks and corrosion.

### Norlok Technology Inc

Booth C4840

#### Surelok III

Norlok Technology Inc introduces its Surelok III clinching machine. Features include: cold drawn process for fastening sheet metal and a clean alternative to spot welding and riveting. Surelok III uses standard shop air, no electrics, heat, fumes or surface damage, no added fasteners and the APU power unit uses less shop air.

## Finishing

### AFC Finishing Systems

Booth C2548

#### Airflex Sweeper Recovery System

The Airflex Sweeper is a full floor media recovery system that automatically recovers abrasive material from the floor. Floor is made of modular corridors, each with a series of flexible rubber blades set at regular intervals.

### Baril Coatings USA

Booth C2158

#### Coat Over Rust Encapsulator

C.O.R.E., coat over rust encapsulator, can be applied directly over rusted metal to restore it to a beautiful, strong, protected surface resistant to moisture, chemicals and abrasion. C.O.R.E. is available in gloss black and silver aluminum.

### Binks DeVilbiss Ransburg BGK

Booth C2532

#### Airless 75

The Binks Airless 75 spray gun is made with forged anodized aluminum body, and features a thick-walled stainless steel fluid tube and is compatible with high solids and abrasive industrial materials.

#### MX35-60 Airless Pump

The MX 35-60 airless pump outfit delivers 7,000 psi of fluid pressure and 3.5 gallons per minute of paint for demanding applications in the corrosion, industrial, bridge & infrastructure, shipbuilding, oil & gas, pipeline, and rail-car industries.

#### Ransburg Aerobell 168

With its flexible, transfer efficient applicator and robust, proven air-bearing turbine design; you can count on the AeroBell 168 to keep your system running at peak performance.

### Chemetall US Inc

Booth C2709

#### Gardobond® AP 9811, a non-phosphorous pretreatment

Gardobond® AP 9811, is a non-phosphorous pretreatment for 3-stage spray washers that is a drop-in replacement for iron phosphate processes. It is compatible with mild steel equipment so expensive stainless steel is not required.

### Chicago Pneumatic Tool Co

Booth C4750

#### CP3850 Heavy Duty Industrial Grinder/Sander

Chicago Pneumatic's heavy duty CP3850 industrial angle grinder/sander reins top in its class in delivering superior torque for maximum productivity in contouring, deburring, cutting, and sanding.

### Comco Inc

Booth C5052

#### Shot Peening Equipment

Comco Inc. offers the latest advances in Shot Peening technology with its precision Shot Peening system for demanding production or job shop environments.

### Daifuku Webb

Booth C2425

#### LubriPin

LubriPin features concave edges and a notch at the top of the pin-enabling the oil to flow quickly down the pin, reaching the areas with the highest wear point fast. LubriPin increases the longevity of chain conveyors by 32% & reduces chain stretch.

### Decoral System USA Corp

Booth C1954

#### IR® and HORIZON® Technologies

IR® technology is a process suitable for the decoration in wood grain and marble finish for 3dimensional and welded metal parts. HORIZON® technology is another process for the decoration of extrusion or rolled formed profiles.

### DuBois Chemicals

Booth C2545

#### Next Generation Zirconization

DuBois Chemicals offers Next Generation Zirconization, an easy-to-use non-phosphate pretreatment that offers complete coverage with no heat required. The Next Generation Zirconization generates virtually no sludge and cuts chemical usage. Paint adhesion and corrosion resistance are superior to alternatives.

### DuPont Industrial CoatingSolutions

Booth C2542

#### Abcite® by Thermoclad

DuPont™ Abcite® thermoplastic powders have been specifically formulated as a tough, chip-resistant finish providing excellent corrosion and UV protection without the need for a primer.

#### Alesta® AR (Architectural)

Alesta® AR powder coatings meets and exceeds the rigorous requirements of AAMA 2603, AAMA 2604 and AAMA 2605.

#### Alesta® RAL HAA

Alesta® RAL HAA powder is designed for decorative and protective applications; formulated to provide excellent weathering performance and transfer efficiency, designed to meet AAMA 2603 specifications and recommended for indoor or outdoor applications.

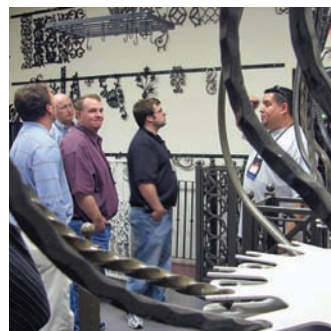
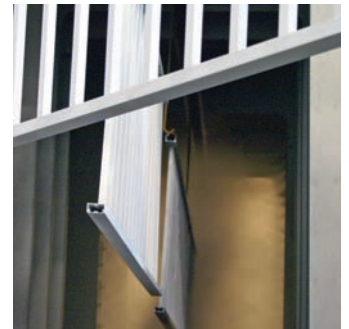


# CHEMICAL COATERS ASSOCIATION INTERNATIONAL

The Education & Information Network for the Finishing Industry

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## Finishing

### EXEL North America

Booth C2264

#### Kremlin Rexson PU3000 Plural Component Electro-Mec

The PU3000 incorporates a unique plug and play concept for mixing two component paints. The pulse free control technology delivers pulsation free performance for improved quality of mixing and application.

### Graco Inc

Booth C2350

#### Pro Xp Electrostatic Guns

Pro Xp expert performance electrostatic guns combine the benefits of material savings and excellent finish quality into a smaller and lighter gun body, making it easier to spray. Other Pro Xp features include an ergonomic handle for operator comfort, built in power supply to reduce operator fatigue and aircaps that use less air to lower your energy bill. Every gun is tested and delivered with a certificate indicating the spray pattern, mechanical performance and electrical performance.

#### ProControl 1KE Fluid and Air Management System

The ProControl 1KE actively manages fluids and air pressure to lock in precise spray parameters. Graco's fluid and air management system monitors fluids, and has added controls to manage fluids and improve spray performance.

#### E-Flo Dual Control Electric Circulating Pumps

The E-Flo DC is an energy efficient electric pump for medium sized circulation systems. The design allows users to get all of the benefits of a pneumatic air motor, with the efficiency of an electric motor. This electric pump can maintain constant pressure like a pneumatic pump by speeding up or slowing down if it detects a change in pressure, resulting in a smooth and even flow. It also features local control, and no VFDs are required for installation.

### Hangzhou Xiangsheng Abrasive Machine Manufacturing Co., Ltd

Booth C7142

#### SB1000 Two-Side-One-Pass

SB1000 can do rounding interior and exterior

contours and preserves the galvanized surface or protection film on parts.

### Hubbard-Hall Inc

Booth C2156

#### Iron Phosphate Alternative

Hubbard-Hall Inc. introduces cost effective, low temperature zirconium based conversion coatings that replaces iron phosphate solutions with several added benefits.

### Inline Sieve

Booth C2552

#### Sieve for Box Feeders

The Inline Sieve is an improved powder delivery system, delivering high density powder at a low velocity, now made to work in both fluidized hopper or box feeder.

### IntelliFinishing

Booth C2528

#### Shuttle

Save floor space when finishing large parts using the IntelliFinishing shuttle. Customers have decreased floor space by approximately 40% with the use of the shuttle for moving long parts.

### KCI America Co Ltd

Booth C2062

#### 301 Manual Coating System

CKI American Co Ltd offers its KCI-300 series which features an innovative design with four pre-programmed control options to coating a variety different project needs.

### Metcast Service Tech Resources

Booth C6946

#### e-Wheel Technology

The e-Wheel™ is the next evolution in blast wheels. Designed for upgrading existing wheel units and provides improved performance, lower maintenance costs, improved motor life and a patented Nucklesaver™ tool that makes it the easiest wheel to maintain.

### Michigan Pneumatic Tool Inc

Booth N6034

#### MP-5667VS-ORANGE

The MP-5667VS-ORANGE (3HP) and the MP-6666VSC-ORANGE (4HP) vertical grinders are tools for metal removal jobs including scale, rust, and weld splatter removal.

### Midwest Finishing Systems Inc

Booth C2526

#### Spray Wand Stations

Midwest Finishing offers the quality and performance found in its larger systems to the line of customizable spray wand stations. The innovative design offers a cost-effective, all-in-one cleaning and pretreatment solution.

### Nordson Corp

Booth C2517

#### Encore LT Hopper and VBF Systems

Nordson Corp introduces its manual powder coating mobile hopper and vibratory box feeder systems.

#### Encore LT Transportable System

Manual powder spray gun demonstration system.

#### Encore PE System

The Encore PE auto gun features a straight-through powder path and electrode air-wash and deflector design. The gun is lighter weight and better balanced for improved operator control. Its higher 100 kV electrostatic voltage output charges powder more effectively for better transfer efficiency.

#### OptiMix Plural Component Systems

Plural component metering systems.

#### Stedi-Flo Liquid Pumps

Liquid pumps.

#### Trilogy Non-Electrostatic Liquid Spray Guns

Non-electrostatic liquid spray guns.

### Norton Abrasives

Booth N2610

#### BlueFire™ Product Line

Norton Abrasives has implemented a performance upgrade across its better tier of metal fabricating abrasives products for portable grinding applications. Sub-branded as Norton BlueFire™, these product feature a performance zirconia alumina grain.

#### RapidPrep™ Non-Woven Line

Norton Abrasives introduces the Norton RapidPrep™ line of non-woven discs, belts and wheels. The RapidPrep line features innovative grain technology, providing significantly improved finishes, cutting rates and wear life.





## Osborn Booth N3309

### TY™ Encapsulated Stringer Bead Brushes

The refined TY™ encapsulated stringer bead brushes were developed by Osborn, in conjunction with leading offshore pipeline companies to quickly and effectively clean J-weld joints.

## Parker Ionics/Parkwood Engineering Booth C2523

### Q-MCB Very Quick Color Change Booth Technology

The Q-MCB color change booth technology features color changes in 5-9 minutes. Advanced air flow design within the booth minimizes powder accumulations making color changes quick and easy. The MBF Powder Kitchen features easy, automatic operation and cleaning. Application efficiencies of up to 97.8% are achievable using Q-MCB booth technology.

## Penn United Technologies Inc Booth C1420

### Metal Finishing Services

Penn United Tehnologies Inc's plating department offers cleaning, coating and plating services to both customer and our in-house metal manufactured products.

## Pretreatment Equipment Mfg Inc Booth C1962

### SprayLean Inline Washer and Pretreatment System

Perfect for today's new non-phosphate products, SprayLean features a small footprint and a modular, interchangeable pod design that's easily expandable for any application or future process changes. SprayLean offers easy access to tanks with our removable shroud design. The modular design provides for fast installation with very low maintenance and low energy consumption.

### P400 Spraywand Pretreatment Application System

PEM is proud to introduce the P400 Spraywand pretreatment system. The P400 offers a sustainable, improved environmental footprint over conventional spraywands.

## Production Systems Inc Booth C1858

### Multi-Cycle Cabinet Washer

Production Systems Inc introduces its single compartment multi stage parts washer. The washer can process parts up to 40" W x 90" H x 96" L PLC controlled for cycle sequence and cycle timing and is offered in an 88" W x 12' L foot print. Stainless steel construction for long life.

## Sherwin Williams Booth C1956

### Powdura - Satin Sheen in RAL Colors

The addition of satin sheen powder coatings in RAL colors to our family of Powdura® powder coatings. Sherwin-Williams now offers 188 RAL colors available in both satin and high gloss finishes, all with super durable TGIC-free polyester technology.

## Timesavers Inc Booth C6340

### Minibelt Machine

The Minibelt Machine from Timesavers is an efficiently sized, power-packed and inexpensive automated deburring solution. Now a company can automate its deburring at a very low price.

## TWN Industries Inc Booth C2446

### Wildfire Camouflage by Moon Shine Attitude Attire

Wildfire Camouflage™ water transfer printing film is the latest pattern created by Moon Shine Attitude Attire™, a designer brand of casual wear for outdoorsmen and women. The pattern depicts a forest condition never before represented as a camouflage with a yellow and orange inferno engulfing the woods. Bold color and strong attitude make this pattern a noticeable lifestyle look.

## Wagner Industrial Solutions Booth C1951

### WAGNER PEM-X1

The PEM-X1 powder gun from WAGNER has a sleek ergonomic design and innovative technology changes.

## Walter Surface Technologies Booth N2628

### ENDURO-FLEX™

A proprietary abrasive grain blend increases ENDURO-FLEX™ flap disc life by more than 50% and is structured to deliver consistent metal removal throughout the life of the flap disc. ENDURO-FLEX™ features a patented backing that can be trimmed to expose fresh abrasive flaps without producing dust. ENDURO-FLEX™ also offers smooth grinding with minimal vibration.

## Wendt USA LLC Booth N2606

### FleXtreme™ Flap Disc

The FleXtreme disc features a backing that wears down evenly with the flaps and eliminates trimming and reduces material costs by using more of the abrasive material.

## Gases & Gas Equipment

## ESAB Welding & Cutting Products Booth N3922

### Oxweld and Purox Elite Series

The line of Oxweld and Purox Elite products feature the top-of-the-line quality, performance, and durability while adding updated safety and design features, all at a competitive price.

## REXARC International Booth N1515

### Portable Gas Distribution Center

Rexarc's portable gas distribution centers have portability for work on the go. Flexibility to be customized to your specific needs.

## Hydroforming

## Interlaken Technology Booth C947

### Multi-Functional Hydroforming Press

An all-in-one Hydroforming and Warm Forming Press System for production manufacturing and metals research.

## Triform Sheet Hydroforming Booth C1226

### 32-10-12SC Deep Draw Sheet Hydroforming Press

Triform announces its latest and largest Deep Draw Sheet Hydroforming press to-date. The 32-10-12SC features a 32" diameter forming area, 10,000 PSI maximum forming pressure and a 12" stroke for deep drawing parts up to 13" in depth.

## Hydroforming

### Triform Sheet Hydroforming Booth C1226

#### Tray-Style Sheet Hydroforming Presses

Triform introduces two sheet hydroforming models in tray formats. The 1648BD features a 16"x48" envelope, and the 2448BD, a 24"x48" envelope. Both presses deliver standard pressure up to 5,000 PSI, with an option for 10,000 PSI.

## Inspection & Testing

### Carestream Booth N2426

#### Industrex Digital Viewing Software v4.1

The Industrex digital viewing software is Diconde compliant. Features include: fast and accurate image acquisition, simple, effective analysis tools, flexible data management system, simple interface, remote access and secure data storage and retrieval.

### Danatronics Inc Booth N1418

#### EHC-09A, Hand-Held Ultrasonic Thickness Gage

Danatronics is pleased to announce the EHC-09A, its entry level ultrasonic thickness gage packed with many features previously available such as: two point calibration, in mm and usec, graphic display with multi-language support, field upgradable option for echo to echo ignore coatings, 100k datlogger with export to excel, A-scan and B-scan, two year warranty, made in the USA.

### InterTest Inc Booth N5824

#### iShot Weld-i Zoom Automated Weld Monitoring System

Zoom in to view real time detailed color video images of your welding process. The zoom capability allows you to place the camera head far enough back so it is protected from the harsh conditions around the torch head.

### KoCos America LLC Booth C2223

#### OMCAT Catalytic Converter Measuring System

The KoCoS OMCAT catalytic converter measuring system provides a fast and efficient means of carrying out complex geometrical measurements and determining the gap bulk

density (GBD) of automotive catalytic converters. The measurement results are automatically passed on to manufacturing machinery for production process control.

### Laboratory Testing Inc Booth C2310

#### Fracture Toughness Testing

LTI offers fracture toughness testing to ASTM E399 & E1820 to measure conditions causing a crack in material to lengthen when subjected to a load. Specimens in a range of sizes can be tested to 55,000 lbs. of force at temperatures from -150° F to +350° F.

### Melttools LLC Booth N1618

#### MeltView DART Camera for Welding

The MeltView DART is a high dynamic range camera for monitoring welding up close. Combining superior image quality with small size and ruggedized features, the DART delivers real-time, recordable video of GMAW, GTAW, PAW and other processes.

### Meta Vision Systems Inc Booth N5015

#### Weld Bead Detection for Pipe Coating Control

Meta Vision Systems innovative smart laser sensor weld bead detection system for pipe coating control saves money by optimizing the amount of coating material applied while guaranteeing the right amount of coating thickness

### Metronor Inc Booth C453

#### MetroArm

The virtual arm is a portable coordinate measuring system. Features include: handheld probe, no arms or pedestals, point & measure in seconds, no moving parts or joints, robust, reliable & accurate, easy & effortless to operate, affordable & complete.

### Servo-Robot Inc Booth N5907

#### SPARK

SPARK is an arc process viewing and monitoring system produced by Servo-Robot.

### Shantou Inst of Ultrasonic Instruments Co Ltd (SIUI) Booth N2715

#### SUPOR Ultrasonic Flaw Detector

SUPOR is a phased array and TOFD flaw de-

tor with modular design. Features include: 8.4" LCD monitor with resolution 800 x 600 pixels, modular design with different combination for selection, touch screen operation and up to 6 hours operation.

### Starrett Bytewise Measurement Systems Booth C3453

#### Profile360 G3

Starrett-Bytewise measurement systems announces the introduction of the Profile360 Generation3 in-line profile measurement System. The sensors inside the Profile360 G3 have been re-engineered around higher-resolution detectors that are produced in its advanced calibration laboratory.

### Xiris Automation Inc Booth C2312

#### XVC-O Welding View Camera

Xiris introduces the XVC-O, which can be mounted right at the welding tip to allow the operator to remotely view and monitor the welding process, including MIG, MAG, TIG, plasma and laser welding applications.

## Job Shop/Contract Manufacturing

### Chelar Tool & Die Inc Booth C349

#### Bridge Mill Technology

Chelar Tool & Die has acquisitioned a large double column bridge mill in order to meet customers' expectations of short lead times and fast turnarounds.

## Lasers

### Amada America Inc Booth C3916

#### FOL3015AJ Fiber Laser

The FOL3015AJ is engineered to produce the highest quality parts at unmatched speed while reducing operating costs and environmental waste. Benefits include: faster cutting of thin material, superior speed and edge quality in material thicknesses up to 7/8" P.R.E., rapid traverse speeds of 13,380"/min. and a 5G acceleration speed for the entire work envelope.



## Bystronic Inc

Booth C4328

### BySprint Fiber 3015

The BySprint Fiber 3015 offers unprecedented parts output in the thin sheet range yet powerful enough to cut steel up to 3/4" thick with high process reliability and precision. Benefits include lower operating, maintenance and energy costs.

## Enutron International

Booth C7750

### Adira LP Laser

The Adira LP Laser is the latest evolution of laser-cutting technology. Featuring high-speed linear drives resulting in unmatched acceleration and dynamics, allowing for a faster and more efficient cutting process.

## Ermak USA

Booth C3447

### FIBERMAK Linear Drive Fiber Laser Cutting Machine

Meeting with the FIBERMAK™, fast, accurate, smooth ERMAK™'s high-tech fiber laser cuts mild steel up to 3/4" thickness with max precision and exceptional quality in a fast paced manufacturing environment.

## Haco-Lasit

Booth C3440

### Haco Cutlite Laser Cutting Systems with Automation

Laser Cutting Systems ( Fiber and CO2 ) 1- 6 KW . High speed linear motor with dual pallet exchanger and optional fully automated tower storage and delivery system for 24/7 production.

### Tower Mark

Hasco-Lasit introduces its Tower Mark, laser marking with pneumatic door , compact footprint fiber or CO2 , XYZ and rotary.

## Hypertherm Inc

Booth N3906

### HyIntensity Fiber Laser HFL030

Hypertherm introduces its most powerful fiber laser yet, a 3.0 kilowatt system. This system joins its Hypertherm siblings as the first fully integrated fiber laser system specifically designed for cutting.

## Laser Mechanisms Inc

Booth C3810

### FiberCut RAc Laser Processing Head

For 3D robotic cutting with a fiber-coupled la-

ser, the FiberCut RAc is a compact, low moving mass processing head. All connections enter at a right angle for tight part access, easy cable routing and stress reduction on the input fiber.

## LaserStar Technologies Corp

Booth C5647

### FiberStar Open Laser Marking System

FiberStar's Class 4, integration laser marking systems offer the benefits of a direct metal marking, non-contact, abrasion-resistant, permanent laser marking onto almost any type of material.

### Industrial Laser Marking Systems

The 3803 series industrial FiberCube® is a compact, turnkey laser marking, laser engraving and laser cutting system that offers the benefits of a non-contact, abrasion-resistant, permanent laser mark, laser engraving, or cut onto almost any type of material.

### Laser Marking, Engraving & Cutting Systems

The FiberCube® laser marking system (3801 Series) is a compact, turnkey laser marking system that offers the benefits of a non-contact, abrasion-resistant, permanent laser mark, engraving, or cut onto almost any type of material.

### Laser Welding System for Mold Repair

LaserStar's 7700 series with universal jig open workspace laser laser welding workstations are ideal for a wide range of unique and custom integration applications to meet the various demands of metal joining, complex assembly, and repair applications.

### Manual Laser Welding Systems

1900 series LaserStar industrial welding workstations are ideal for a wide range of metal joining, complex assembly, automation and repair applications for the industrial marketplace.

### Multi-Purpose Laser Welding Workstations

Integrated turn key laser welding solutions LaserStar Technologies offers a wide range of standard and custom laser welding workstations to meet a variety of precision spot and seam laser welding applications.

## LVD Strippit

Booth C3937

### Touch-L

LVD Strippit introduces Touch-L, a touch screen graphical user interface for select models of its laser cutting systems. Touch-L simplifies laser cutting by using intuitive graphical icons and visual indicators to display and control functions.

## Mazak Optonics Corp

Booth C3428

### OPTIPLEX Fiber Laser-cutting System

The OPTIPLEX 3015 Fiber laser processes reflective materials, such as copper, brass, aluminum and exotic aerospace materials, with greater speeds and thicknesses than its CO2 counterpart.

## MC Machinery Systems Inc/ Mitsubishi

Booth C3040

### NX-F Fiber Laser

Model 3015 NX-F features include: stroke (X x Y x Z): 125.9" (3198 mm) x 62.9" (1598 mm) x 4.7" (119 mm), rapid traverse rate (per min.): single axis, 4724" (120 m); simultaneous 6680" (170 m), positioning accuracy: 0.0019/20" (0.05/500 mm), repeatability: ± (X, axis Y) ±0.00039" (0.01 mm).

## TeraDiode Inc

Booth C8523

### TeraBlade 2kW High Brightness Direct Diode Laser

TeraDiode introduces its first multikilowatt high brightness direct diode laser source, featuring 2kW from a 100 micron fiber and a BPP of 4mm-mrad. This 970nm laser has a wall plug efficiency of 40%, exceeding the efficiency of fiber & disk lasers.

### TeraBlade 500W High Brightness Direct Diode Laser

TeraDiode introduces its high brightness 500W direct diode laser source, featuring a 50 micron fiber and a BPP below 4mm-mrad. This 970nm laser has a power conversion efficiency near 50%, well above comparable fiber lasers.





## Lasers

### TRUMPF Inc

Booth C3016

#### TruLaser 5030 fiber/5040 fiber with TruDisk 5000

The TruLaser 5030 fiber with 5kW TruDisk laser is a high powered solid-state 2D laser cutting machine and can cut mild steel up to 1" thick. When cutting with nitrogen, speeds can increase as much as 149% over the 3kW TruDisk 3001.

### Wayne Trail, a Lincoln Electric Company

Booth N4513

#### FLEX LASE PRO

The FLEX LASE PRO from Wayne Trail, is a high-speed scanner based laser processing solution that is ideal for laser etching, surface treatment, welding, marking, cutting and more.

## Lubrication

### Chemetall US Inc

Booth C2709

#### Tech Cool 35630 Synthetic Coolant

Chemetall's latest coolant is Tech Cool® 35630, a full synthetic product that is the perfect balance of performance, versatility and is effective on all substrates.

### Cimcool Fluid Technology

Booth C1452

#### CIMMILL™

CIMMILL™ fluids, designed to meet the tube and pipe industry challenges are formulated to offer trouble-free performance and increase productivity by up to 20%. CIMMILL™ fluids offer excellent lubricity, rust protection, foam control and extend sump life.

### Fuchs Lubricants Co

Booth C1517

#### Eco Draw HSS 2900

Eco Draw HSS 2900 is a petroleum-free stamping lubricant designed to address the growing complexities of the automotive metalforming industry.

### Industrial Innovations Inc

Booth C836

#### Zero Drip Die Mount Nozzle Assembly

The patented 99.5% drip free, Z series nozzles cut down on die setup time and cost. Addi-

tional features include: easily mounts to die, no moving parts or wasted lubricant, precise application control, light weight construction, universally adjustable and numerous spray patterns.

### Metalloid Corp

Booth C1447

#### ADVANCE 6325

Metalloid Corporation's ADVANCE 6325 is a VOC free green vanishing lubricant for light to medium duty forming operations. ADVANCE 6325 offers multi-metal compatibility, fast vaporization, excellent lubricity and meets the SCAQMD.

#### ENDFORM 5331

ENDFORM 5331 is a synthetic biodegradable lubricant. ENDFORM 5331 offers multi-metal lubrication, ultra low surface tension, easy cleaning and more. This green product is great for stainless steel end forming and meets the SCAQMD requirements.

#### METCOR 52

Metalloid Corporation's METCOR 52 is an oil free, biodegradable, indoor corrosion preventative for all metals. It allows for long term indoor protection, dry transparent film, is easy to clean off and more. METCOR 52 meets the requirements of the SCAQMD.

## Maintenance & Repair

### CoreTemp

Booth N6236

#### Turbo Flap Discs

Turbo High Density flap discs built-in training video right on the label.

### Richardson Electronics Ltd

Booth C3721

#### Bellows & Dust Collection Filters

Richardson Electronics now offers replacement bellows for CO2 lasers and replacement dust collection filters for Handte and Keller systems that are used with CO2 lasers.

### Scotchman Industries Inc

Booth C4923

#### Electric Stroke Control w/Remote Elect. Foot Pedal

The 50-ton electric stroke control with remote electric foot pedal option includes factory installation, two electric limit switches for accurate and consistent repeatability, and a remote foot pedal.

## Material Handling/Marking

### Demag Cranes and Components

Booth C560

#### DCS-Pro Chain Hoists

Demag's innovative DCSPRO chain hoists are 3 phase AC powered and offer optimized safety and efficiency, best-in class features and convenient operation.

### Haco-Lasit

Booth C3440

#### Marking Laser System- Gantry

Haco Lasit USA offer laser marking with more automation, smaller footprint and full gantry which allows for greater production and greater accuracy. Palletized pick and place, can be XY, 1/2 gantry and full gantry.

### Magnetic Products Inc

Booth C5510

#### Eco-Flow Magnetic Coolant Cleaner

MPI's Eco-Flow magnetic coolant cleaner boasts a significant improvement in ferrous swarf capture rate as compared to other magnetic filtration systems.

### MegaFab-Piranha-Whitney-Bertsch

Booth C5113

#### Whitney Automation

Automate your Whitney machine. Eliminate material handling bottlenecks, increase in-process time, simplify loading and part removal. Automation features include: PlatePARTNER and Plate PARTNER gantry, skeleton removal table, PartHANDLER II and conveyor feed loader and unloader. Whitney offers automation solutions for all sizes and combination machines.

### Mighty Hook Inc

Booth C2420

#### Angle Pivot System

The Angle Pivot System is a patented technology that allows significant improvement in line density losses due to conveyor elevation changes. Depending on the degree of slope, line density can improve by up to 50% with ROI in the 6 month to 1 year period.



## Richards-Wilcox Inc

Booth C2252

### E-Chain High Performance Chain

e-Chain is a high performance conveyor chain suitable for new conveyor systems or replacement chain applications and features a unique patent-pending caged bearing design.

## Samuel Strapping Systems

Booth C1524

### Fully Automatic Stencil System

Fully automated Inkjet Stencil System for panels & lumber.

## U-Mark Inc

Booth N2406

### M15 Permanent Marker

U-Mark Inc offers the M15, its all-purpose permanent ink marker. Great for industrial and professional use.

## Versatility Professional Tool Storage, LLC

Booth C1248

### Press Brake Cabinets

Versatility Professional Tool Storage offers its line of press brake cabinets for tool storage for sheet metal fabricators.

## Metal Suppliers

## AMETEK Specialty Metal Products for Fab

Booth C914

### Ti 6/4 ELI (Grade 23) Strip

AMETEK Specialty Metal Products introduces Ti 6/4 ELI (Grade 23) strip as thin as 0.004" with outstanding performance characteristics.

## Benxi Guangzheng Tungsten & Molybdenum Co Ltd

Booth C456

### Molybdenum Products

Molybdenum products are mainly used in vacuum furnace parts, lighting material, heater, semiconductor parts, LED etc.

## Cambridge Lee Industries LLC

Booth C8333

### Copper Shapes and Tellurium Copper Rod and Bar

Cambridge-Lee mill offers copper shapes and tellurium copper CDA 145 rod and bar. Also large copper ETP 110 and OFE 101 bus bar smallest to largest cross sections available, all drawn to size. Edges include: square, radius, full round, silver plated.

## Liaoning Longyuan Industry Co Ltd

Booth C455

### High Carbon Steel Shot

## Other Machinery/Equipment/Parts/Products

## Anomatic Corp

Booth C2452

### Double Anodized Closure

Highly aesthetic dispensing anodized aluminum closure assembly.

## Desch Canada Ltd

Booth C1235

### Servox DS

The Servox DS offers flexibility in terms of output torque, gear ratio range and motor variation. The output torque is transmitted via planetary gearing. Depending on the geometric conditions, between two and four servo motors can produce the drive on the input side. Flexible combination of the gear ratio/number of motors offer a broad range of applications. The gear ratios range from 4 to around 48.

## Diamond Ground Products Inc

Booth N5726

### Piranha Tungsten Electrode Grinder Upgrade Kit

Piranha upgrade kits can be used on older model Piranha tungsten grinders to enable grinding tungsten as short as .75" (19.05mm).

## DuBois Chemicals

Booth C4938

### treo® Jel D Water Reducible Gel Degreaser

Dubois introduces its treo® Jel D, a water reducible gel degreaser that is ideal for tough general purpose industrial cleaning.

## ERIEZ

Booth C7316

### SumpDoc™

The SumpDoc™ is an all-in-one portable fluid recycling system that will completely filter and rejuvenate metalworking fluids in a machine tool sump without interrupting production.

## Formtek Metal Forming & Hill Engineering

Booth C3708

### QVW-150 Forming Mill Integration

Lamnea Bruk, a manufacturer of flux core wire equipment has integrated the Yoder QVW-150 forming mill into its manufacturing system.

## General Automatic Transfer

Booth C2550

### Batch Oven

General Automatic Transfer offers 18 sizes with enhanced and improved air circulation, heater locations, and PLC control. In addition, 6'x6', 8'x8' and 10'x10' clear door openings with 10' deep to 30' deep in 4' increments.

## LPI Inc

Booth C2424

### LPI Vertical Access Lift (VAL-10)

LPI's vertical access lift, the VAL-10, is suitable for commercial/industrial trades, maintenance, and construction applications, and facility and equipment servicing and repair.

## Messer Cutting Systems

Booth C5916

### SmartLifter

Messer Cutting Systems introduces the SmartLifter for use with plasma or oxyfuel torches.

## MJC Engineering & Technology Inc

Booth C1156

### F450.2000-4 Flow Former

The F450.2000-4 flow former is designed utilizing four forming rollers to provide more power and stability providing increased efficiency.

## MTM Meissner Technik Mullenbach GmbH

Booth C2155

### FLEX-CELL

The patented MTM-FLEX-CELL processing cell offers the capabilities of common robot cells for deburring, where a wet robot is needed, while only requiring a non-wet robot placed outside of the wet cell to use its whole benefits and flexibility.

## Other Machinery/ Equipment/Parts/Products

### MTM Meissner Technik Mullenbach Gmbh

Booth C2155

#### Round Cycle Cleaning Systems

MTM Meissner Technik Mullenbach Gmbh introduces its patented MTM round-cycle cleaning system with highly efficient hood technology to the U.S. market. Different process steps can take place simultaneously and therefore short cycle times with high cleanliness requirements can be realized.

#### ROBOTAKT

The patented MTM-ROBOTAKT is an end cleaning system that combines the benefits of round-cycle systems like short auxiliary & cycle times, all times precise item-positioning and concurrent process steps with the flexibility of common robot deburring cells.

### Packsize LLC

Booth C1336

#### iQ FUSION

The iQ FUSION is a multi-patented, corrugated converting machine that gives material handling departments more opportunity by presenting a smaller footprint for On Demand Packaging™.

### Prodim USA

Booth C8521

#### Proliner 10

Proliner 10 is the ultimate measuring tool. It can measure up to 60' from one location.

### Scrape-N-Burr

Booth N1316

#### Scrape-N-Burr

The Scrape-N-Burr is a heavy duty scraper specifically designed for cleaning operations in the harsh world of welding and metal fabrication. This tool is made to stand up to the hard use and rough environments in facilities.

### Unipunch Products Inc

Booth C3732

#### 5202 Quick Die Change and Clamping System

The UniPunch 5202 quick die change template mounting system is designed as a universal press platform for reducing setup time during part change over.

### Vibro Dynamics Corp

Booth C1012

#### Custom Elastomeric Vibration Isolation System

Vibro Dynamics Corp introduces its custom elastomeric vibration isolation pad systems specifically engineered for each machine and application.

### Vicon - Plasma Automation Inc

Booth N5031

#### Fabricator SS High Density Plasma System

Vicon - Plasma Automation Inc offers a heavy duty, high density plasma cutting system available with choice of plasma power supply for cutting up to 1", and or oxy fuel for cutting up to 2". Dual high speed motors enabling traversing speed of up to 2000 ipm.

### Worlee-Chemie GmbH

Booth C1964

#### Thermal Insulating Coating

Krautzberger spraying unit for thermal insulating coating.

### Yestool/Aloris-USA

Booth C8310

#### KRUZ-SLK Drill Body & IDFK Carbide Insert

The RUZ drill body & IDFK carbide insert are designed specifically for the structural drilling market. Inserts have special double angle cutting edges that decrease flexing when under pressure.

### Zerust Corrosion Solutions (Northern Tech Intl Corp)

Booth C1014

#### Zerust ActivPak Corrosion Inhibiting Diffuser

Drop-in flash-corrosion inhibitor.

## Plate & Structural Fabricating

### AGT

Booth N2333

#### BeamMaster

The BeamMaster, an automated steel beam assembler and welder, is for small batch and lot-of-one production. Targeted for structural steel fabricators, this equipment uses industrial robots and 3D vision with self learning technology.

### Centricut

Booth C4935

#### Centricut CoolFlow nozzles for Komatsu Raser

Centricut brings CoolFlow nozzle technology to Komatsu Raser 40 and Raser 90/120 systems. CoolFlow technology applied to Komatsu nozzles results in reduced leaking and extended consumable life.

### Faccin USA Inc

Booth C6323

#### PGS Ultra CNC Control (v2012)

Faccin USA Inc introduces its PGS Ultra CNC control for four roll machines. Complex shapes (including customizable ones), multi-radius parts, cones and more are all included as are tools to correct for plate inconsistencies.

### Ficpe Corporation

Booth C6550

#### Gemini 36 HD

CNC plate processing system for cutting, drilling, tapping, countersinking, milling and weld preparation.

### Hypertherm Inc

Booth N3906

#### Hypertherm Powermax105®

The Powermax105 is a 105 amp air plasma system for hand and automated cutting and gouging designed to comfortably cut 1¼ inch (32 mm) thick metal, and sever metal up to 2 inches (50 mm) thick.

### MegaFab-Piranha-Whitney- Bertsch

Booth C5113

#### High Speed Drilling System

MegaFab-Piranha-Whitney-Bertsch offers high a performance drilling system that can be used in conjunction with punching, plasma-cutting, and/or marking on Whitney combination machines.

### Pacific Aerospace & Electronics

Booth N1607

#### Galvanic Corrosion Resistant Maritime Components

Explosively bonded metals are produced with a solid-state welding process that uses controlled explosive energy to join two or more otherwise incompatible and/or exotic materials at the molecular level.





**Trilogy Machinery Inc**

Booth C5140

**SUNRISE ANC - Fully Automatic Punching System**

The SUNRISE ANC combines a dual-cylinder ironworker or punching machine in tonnages up to 220 US tons, with up to a 20' single-axis fully automatic CNC in-feed system for punching flat bar, angle and channel webs.

**Uni-Hydro Inc**

Booth C8537

**Uni-Hydro Super Turret**

Uni-Hydro Inc introduces its 56 ton super turret that has a single end punch, notching station, structural shearing station, flat bar shear station and a 56 ton six station turret all in one machine.

**Press Brakes**

**Amada America Inc**

Booth C3916

**HD-ATC**

Amada introduces the HD press brake with automated tool changer.

**Bystronic Inc**

Booth C4328

**Xpert Press Brake**

The Bystronic Xpert press brake is equipped with a comprehensive database in material bend allowances and extensive empirical bending knowledge. Xpert options: FastBend + safety system, energy saver, optical bend guiding, LEDs and a laser angle measuring device.

**Punching**

**Lambie Engineering LLC**

Booth C4850

**Right Sized Handle Hole Punch**

This pneumatic machine punches holes in a line of pots and pans for the handle attachment.

**MegaFab-Piranha-Whitney-Bertsch**

Booth C5113

**The Piranha P2 Ironworker**

Piranha 50 ton ironworker model.

**Murata Machinery USA Inc**

Booth C3028

**Automated Machines**

Murata Machinery USA, Inc. offers automated turret punch presses including the Matorum 2048ST, the 3048, the SL-1250 and the FG-1250.

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## Resistance Welding

### Centerline (Windsor) Ltd

Booth N1926

#### FlexGun Welding Guns

Compact, modular spot welding guns.

### Dengensha America Corp

Booth N5722

#### E-Series MFDC Welder

The NDZ E-series MFDC welder features advanced controls for lower weld currents and better heat efficiency, making it suitable for welding thin steel plates. The E-series also reaches maximum current levels faster, creating stronger projection welds.

## Robotics

### ABICOR Binzel Corp

Booth N5508

#### ABIDOT

Robotic welding TCP programming aid.

#### Scansonic AL01 and AL03

Scansonic adaptive laser processing optics for brazing and welding provided by ABICOR Binzel. AL01 (brazing) & AL03 (brazing and welding) products offer a variety of processing options for various laser platforms & materials including aluminum.

#### TH6D Seam Tracking Sensor System by Scansonic

A solution for hard to follow seams in automated processing of laser & arc welded materials. 3DI scanning allows this package to be effective in processing reflective surfaces like aluminum & stainless steel.

### Abtex Corp

Booth C7547

#### Robotic Deburring and Polishing

Abtex custom designs, engineers and integrates each robotic deburring system to customers needs and specifications.

### HAI Advanced Material Spec

Booth N2319

#### AUTOCote

Automated thermal spray cell system.

### Motoman Robotics Division

Booth N5222

#### MC2000 Robot

The Motoman® MC2000 Master Cut robot is designed with high rigidity and precision

drives to provide superior path accuracy for laser cutting small holes and sharp corners. Path accuracy can be within 0.1 mm, depending on the application.

### Nachi Robotic Systems Inc

Booth N3622

#### SRA Robot

The Nachi SRA robot series features payloads of 100kg to 210kg that can be handled at best in class speeds. Reach of the SRA Robot is available from 2.6 to 3.1 meters.

### Rethink Robotics

Booth N1313

#### Baxter

Baxter is a revolutionary category of robot that is redefining the way robots can be used in manufacturing environments. Affordably priced, versatile and safe enough to work alongside people, Baxter is an ideal solution for companies of all sizes.

### Robotiq

Booth N6119

#### 2-Finger Adaptive Gripper

The 2-finger adaptive gripper is an electric gripper which provides unique versatility in handling a wide variety of parts through 3 different gripping modes, high payload to weight ratio coupled with a compact form factor and precise control on fingers' position, speed and force.

### Universal Tool & Engineering

Booth C1839

#### Robot Tube Bending Work Cell

Universal Tool & Engineering introduces its complete turn key tube bending work cell which includes: bulk tube loading, seam detection and placement, robot tube placement, CNC mandrel tube bending and robot unloading.

### Wolf Robotics LLC

Booth N4910

#### LeanArc Options

Wolf Robotics' introduces its line-up of Lean-Arc® welding cells, featuring increased capabilities, new positioner options and more.

#### Robotic 3D Cutting and Welding

Wolf Robotics offers options to switch between arc welding, pre-heat and cutting processes, all using the same robot equipped with precision tool changers.

#### Quick Change Tooling

Wolf Robotics is proud to introduce Smart-

Dock™, a secure and quick method for interchanging tooling on robotic positioners.

### Yaskawa America Inc

Booth N5222

#### Motoman MC2000 Robot

The Motoman® MC2000 Master Cut robot is designed with high rigidity and precision drives to provide superior path accuracy for laser cutting small holes and sharp corners. Path accuracy can be within 0.1 mm, depending on the application.

## Safety & Environmental

### Ace Industrial Products

Booth N5009

#### WeldSense 73-251 Portable Fume Extractor

Ace's latest portable fume extractor is lightweight, has two speeds for all types of welding, and features an onboard filter cleaning system for convenience and cost savings. Made in the USA.

### Antec Electronics Co Ltd

Booth N1609

#### Antec Auto-Darkening Welding Helmet AH6-660

The auto-darkening welding helmet, AH6-660, is suitable for all arc welding processes such as MIG, MAG, TIG, SMAW, plasma arc and carbon arc.

### Avani Environmental Intl Inc.

Booth N4537

#### Avani Environmental Intl., Inc. SDT-1.5 Downdraft

The SDT-1.5 downdraft table with accessories package includes: welder shelf, welder cabinet with fume arm and gas shelf.

### Chemetall US Inc

Booth C2709

#### Tech Cool 35052CF Semi-Synthetic Coolant

Chemetall's Tech Cool 35052CF is the next generation in green coolant technology available. Ultra high lubricity, Aerospace grade performance without chlorine. Dramatically lower operating costs.

### Fastenal Company

Booth N5736

#### Blackstone® Welding Jackets

Fastenal Company introduces its latest line of



flame resistant sateen body/leather sleeve combo welding jackets.

### Flame Technologies Inc

Booth N3219

#### HydroMist Fans by Fan Tech

HydroMist industrial fans use flash evaporation technology, which results in dramatically cooled air, reducing temperatures in the immediate area by up to 30° F.

### Frommelt Safety Products

Booth N4827

#### Guardian Defender Automated Barrier Door

Frommelt Safety introduces the Guardian Defender™ visibly safer than light curtains. PLe, Cat 4 level safety with a movable physical barrier restricts access to dangerous machine movement while at the same time containing process driving hazards.

### Goff's Enterprises Inc

Booth N2625

#### Weld Blankets

Goff's lightweight and flexible weld blankets are designed to be draped over materials, equipment and to provide protection from welding and grinding sparks, molten and hot debris, torch cutting spatter and more.

### H2Pump LLC

Booth C1154

#### HRS™ (Hydrogen Recycling System)

H2Pump offers efficient, reliable, low-cost electrochemical hydrogen recovery and recycling technology which extracts hydrogen from industrial waste streams.

### Industrial Maid

Booth N2428

#### Industrial Maid Model PFC8-DD32

Industrial Maid introduces its model PFC8-DD32 portable downdraft table, 36" W x 32" D. Built in the USA. Designed to capture welding fumes, grinding dust, plasma smoke and other nuisance dusts.

### John Tillman Co

Booth N3606

#### 1472 Black Top Grain Goatskin TrueFit Glove

Made of top grain goatskin with a reverse grain goatskin reinforced palm for longer life. Double stitched leather fingertips & reinforced thumb provide extra protection. Offers great dexterity.

### Klimawent USA LLC

Booth N5634

#### TELERGO

The Klimawent telescopic extraction arm TELERGO is a perfect solution for welding fume extraction. The pollutants are captured directly at the emission source, avoiding their expansion within the working space.

### Lincoln Electric Co

Booth N4102

#### Guardian Fire Safety Systems for Fume Control

Lincoln Electric introduces the Electric Guardian™, a safety solution for weld fume control systems. Offered in three categories: products to prevent, detect, and suppress fire.

### Nordfab Ducting

Booth N1928

#### TDH Extractor Arm

The TDH Arm is the perfect extractor for capturing welding smoke, fumes and dust in workshops.

### Roll Machining Technologies & Solutions

Booth C1526

#### S.I.K.

The RMTS's setup inspection kit features: 50% less scrap on change over's, the right height, rim clearances preset, great for offline setups, weld rolls & last fin pass, no trial or error and inspects the roll completely before installing on the mill.

### Ross Controls

Booth C849

#### Compact Modular L-O-X® Manual Lockout Valves

Ross Control® is pleased to announce the latest additions to its safety product family, the Modular L-O-X® manual lockout valve and Modular L-O-X® with EEZ-ON® operation.

### Tapeswitch Corp

Booth C3813

#### PSSR/2 Safety Interface Controller

The PSSR/2 safety interface controller is for end of the line resistor switches, safety mats, safety edges, and bumpers.

### Saws & Cut-off Machines

### New Centurion Enterprises Ltd

Booth C8347

#### Exact 280E Pipe Cutter

The 280E pipe cut systems expanded power (1750 W) and range of pipe (1.5" - 12") provides an extended range of use compared to it's predecessor the EXACT 200 (1100 W, .5"-8").

### Cosen Saws USA

Booth C7136

#### CNC-800DM Programmable Double Miter Bandsaw

The CNC-800DM is a fully programmable, double mitring bandsaw with a rigid dual column design. It incorporates a hefty 10HP saw motor to power its 51mm wide saw blade. It has a capacity of 20" round, and 16" x 31" rectangle at 90° degrees. At +/- 45° the saw has a capacity of 17.7" round, and 16" x 21" rectangle.

### DoAll Co/DGI Supply

Booth C7713

#### Value Engineered Tilt Frame

DoAll introduces its value engineered tilt frame, designed to meet the stringent requirements of fabricators.

### Haberle / Ken Bergman & Assoc LLC

Booth C7137

#### Brobo TNF125

The Brobo TNF125 aluminum semi-auto up-cutting machine with a 450mm CBT sawblade. Capacity is "11 x 5"

### Scotchman Industries Inc

Booth C4923

#### CPO 315 RFA Cold Saw

The CPO 315 RFA auto cold saw provides uninterrupted cutting on tubing, solids, & extrusions & supplies the highest quality cuts. The improved RFA decreases cycle times, can store speeds & feeds, and is ideal for high volume, long length applications.





## Software & Machine Controls

### Autoform Engineering

Booth C936

#### AutoForm Plus R4

The AutoForm Plus R4 features an enhanced workflow support integrating planning, costing, engineering and virtual tryout of the full stamping process; systematic process improvement through a rapid, easy to use and standards-based variation of key process drivers; semi-automatic result evaluation and issue detection for better, faster and more repeatable decision making; integrated reporting providing a fast, template-based report generation and automated updates through a link to the design file; ProcessDesigner, a CATIA-integrated application significantly speeding up the creation and update of die surfaces for milling.

### Engineering Technology Associates Inc

Booth C1414

#### DYNAFORM Enhanced with Optimization

Optimization of sheet metal forming is possible using the simulation software tool, DYNAFORM™. Go beyond identifying problem areas by incorporating design optimization to improve product performance.

### Henning Industrial Software Inc

Booth C4822

#### Visual EstiTrack Shop Kiosk

The optional Visual EstiTrack Shop Kiosk is an add-on application to Henning Software's flagship ERP product Visual EstiTrack.

### Messer Cutting Systems

Booth C5916

#### Automatic Plate Alignment Video Camera

Messer Cutting Systems offers an automatic plate alignment video camera. The EdgeMax cutting machine, Messer's global control S shows this feature, live.

### Metalix CAD/CAM Ltd

Booth C4911

#### cnckad Version - V11

Metalix presents cnckad, a complete CAD/CAM solution for sheet metal manufacturing. Easy transformation from 2D & 3D design, through auto nesting, processing, to NC code, its graphic simulation onto machine.

### MIE Solutions Inc

Booth C7212

#### MIE Trak PRO

MIE Trak Pro is a software solution for the manufacturing industry that integrates and streamlines operation across all the sales, manufacturing, engineering and accounting functions to provide maximum efficiency and immediate ROI.

### PEP Technology

Booth C8320

#### PEP Technology

### Powder Coating Consultants

Booth C2422

#### Cost Gauge Pro

Finishing system operational cost estimator software available in powder coating, liquid paint, and combination versions.

### Reis Robotics USA Inc

Booth N5910

#### reisPAD

Reis presents the control generation ROBOTstar-VI with the innovative portable teach pendant reisPAD in tablet format.

### Robotmaster-In-House Solutions Inc.

Booth N5933

#### Robotmaster V6

Robotmaster-In-House Solutions Inc expands on existing powerful optimizing tools and introduces the Robotmaster V6 for off-line programming of 6 axis robots.

### Shop Edge Software Inc

Booth C1434

#### Shop Edge Shop Floor Monitor

See the shop floor in real-time with the shop floor monitor by Shop Edge Software Inc. Valuable production information is captured directly from machines, and feeds the highly visual, information rich display. It is easily accessible from a web browser, anywhere.

### Sigmatex Systems LLC

Booth C4932

#### SigmaNEST Version 10

SigmaTEK unveils the industry's most powerful CAD/CAM nesting engine in SigmaNEST® version 10.

### Simufact-Americas LLC

Booth C1352

#### Simufact.welding 3.1

Simufact.welding 3.1 enables the simulation of various welding methods. It provides a realistic prediction of component distortion, also taking into account microstructure transformations.

### SpaceClaim Corp

Booth C8330

#### SpaceClaim Engineer 2012

SpaceClaim Engineer, a 3D direct modeler, has sheet metal capabilities focused on getting parts ready for production. Take any format and turn it into a flat pattern using its powerful sheet metal environment.

### Trendex Information Systems Inc

Booth N3218

#### Gastrend Graphical (GUI)

Gastrend Graphical is software for the welding supply distributor that allows the management of accounts receivable, accounts payable, general ledger, inventory, purchase orders, sales orders and invoices using a graphical user interface (GUI).

### Wintriss Controls

Booth C3711

#### ShopFloorConnect

ShopFloorConnect's factory reporting software and machine-mounted interfaces combine to automatically collect important production data from any machine with little or no operator involvement.

## Stamping

### AIDA-America Corp

Booth C1210

#### DSF Series Servo Presses

The Direct Drive Servo Former (DSF Series) is comprised of AIDA's complete range of servo presses, from 80 - 3,500 tons.

### Beckwood Press Co

Booth C1228

#### Custom Gib-Guided Hydraulic Presses

Beckwood offers custom hydraulic gib-guided presses, in addition to their post & bushing configurations. Like all made-to-order Beckwood presses, Beckwood's gib-guided offerings are engineered to each customer's specific application needs.



## Bettcher Manufacturing LLC

### Booth C1053

#### Compressor Shell

Bettcher Manufacturing LLC's compressor shell, which used to be made of two parts welded together, has been developed out of a single piece of blank using deep draw. The part is made using a 29" diameter blank and 0.133 thickness. The final part reaches 18" high draw.

## Greenerd Press & Machine Company Inc

### Booth C815

#### Custom Hydraulic Press Solutions

With product capabilities to 40,000 tons and bed sizes exceeding 240" (6,100mm), Greenerd presses are available in a variety of styles ranging from gap frame and straight-side to die-spotting and forging presses.

## Ningbo Hi-Tech Moldie Machinery Co Ltd

### Booth C356

#### OEM Stamping Parts

Ningbo Hi-Tech Moldie Machinery Co Inc offers 8 years' experience in OEM /ODM service. It has 12 sets of stamping machines from 5T to 200T and experience in the U.S. and European market.

## Penn United Technologies Inc

### Booth C1420

#### Precision Metal Stamping Dies and Metal Stamping

Penn United Technologies Inc can provide capacity for low-to-medium and high volume applications, matching the right precision metal stamping die features to specific needs and tolerances. Stamping operations use state of the art stamping presses.

## PennEngineering

### Booth C1215

#### PEMSERTER® Series 4® Press with Automatic Feed

The PEMSERTER® Series 4® press with automatic feed provides 6 tons of force and has a 45.7 cm / 18" throat depth. It is designed to install self-clinching nuts, studs, and stand-offs in sizes M2.5 to M6 / #2-56 to 1/4".

## Stamtec Presses

### Booth C1052

#### iLS1 Series Link Motion Servo Press

The iLS1-160 Intelligent Link Motion Servo

Press. The standard drive system is replaced by servos. Proprietary press controls achieve a wide variety of stroke and slide movement profiles, while supplying full working energy capacity even at low speeds.

## Thermal Spraying

## Bay State Surface Technologies

### Booth N2419

#### Plasma Spray Control Console Model CP-160

The Bay State CP-160 plasma spray console features high capacity flowmeters for higher production rates with Argon, Helium, and Hydrogen. An external flowmeter selector switch and stainless steel tubing have also been added for improved safety.

## Polymet Corp

### Booth N2313

#### Vecalloy B Amorphous Alloy

Vecalloy B is an amorphous alloy designed specially for arc spray systems. Vecalloy B can be used in applications such as boiler tubes, exhaust fans, drill collars, hydraulic shafts, and anti-skid. The product is available in 1/16" diameter form.

## Tool & Die

## Anchor Danly

### Booth C931

#### Cage Stopper End Cap

Anchor Danly announces the availability of its Danly Cage Stopper End Cap. The Cage Stopper is an option when cage travel required is more than what is available with the traditional Danly ball bearing cages.

## Associated Spring Raymond

### Booth C1426

#### D Line Die Springs

Associated Spring Raymond Die Springs are manufactured using a wire cross section developed to provide optimum balance between load-carrying characteristics and cycle life. The D Line Die Springs are manufactured to ISO 10243 standards and are designed to be interchangeable with many major manufacturers of the same type, size, and color.

## ATI Industrial Automation

### Booth N5708

#### ATI Utility Coupler

ATI Industrial Automation introduces its series of Utility Couplers for quickly changing utilities in docking and fixturing applications. The master side connection features a unique compliance mechanism that allows for large tooling misalignments.

## Bohler Uddeholm Corp

### Booth C1417

#### K294 and S693 Microclean

Bohler K294 MICROCLEAR is a third generation PM A11 tool steel, and Bohler S693 Microclean is a PM M4 high speed steel. Produced in third generation PM technology, to provide superior performance in cold work tooling and cutting tool applications.

## Carr Lane Manufacturing Co

### Booth N3036

#### Toggle Clamps with Safety Locks

Latch-action toggle clamps are available in five sizes and vertical-handle toggle clamps are available in three sizes. The compact hold-down clamps have a unique finger-grip T handle and an open arm that provides adjustable spindle location. Horizontal-handle toggle clamps are available in two sizes. The lowprofile hold-down clamps also have an open arm that provides adjustable spindle location.

## Diehl Steel Co

### Booth C1410

#### Steel Ready-Block

Ready-Block's are tool steel blocks that are available in the hardened, squared and ground condition. A starter hole is provided to allow the toolmaker to immediately begin the wire EDM process.

## International Mold Steel

### Booth C556

#### Toolox 44

ToolOX 44 is a pre-hardened tool steel, supplied at HRC45. ToolOX 44's exceptional toughness allows it to perform well in both hot and cold work applications. Toolox 44's high draw temperature of 1090 F makes it ideal for PVD coatings for additional wear.



## Tool & Die

### J Tech

Booth C755

#### In Die Stud Assembly

J-Tech has expanded its product line to include in-die assembly of studs. The studs can be pierce & clinch or clinch only. The studs can be installed from the top down, bottom up or cam action. The in-die assembly systems include the feeder and tooling.

### Kong NGAI Precision Metal Mould Shenzhen Co Ltd

Booth C856

#### Stamping Die, Metal Parts, Prototype Products

Kong Ngai produces stamping die, metal part, and prototype product for the automotive, industrial, office and home electric appliances industry. Product types include metal component parts for automotive, copier, printer, water heater, hob, cooker hood, television, network cabinets, token lenders and ATM 's.

### Latrobe Specialty Steel Distribution

Booth C915

#### CPM 4V

CPM 4V is part of Crucible's Killer V's family of cold work steels and its outstanding combination of properties make it an ideal candidate for tools to work advanced high-strength steels (AHSS).

### MegaFab-Piranha-Whitney-Bertsch

Booth C5113

#### Pro Punch

The Process developed by Whitney uses the Pro Punch™ and will produce finished holes with a burnished micro-finish and .0005 roundness. Similar to the popular punch and shave operation, this three step process will reduce or eliminate secondary operations like drilling and reaming.

### Pacesetter Systems

Booth C1412

#### Die Align

This innovative tool makes it easy to accurately locate and center any die on a press. The V-Block mounts on the back of the die shoe and guides it left to right, and front to back around a pin (1" diameter) that's installed in the bolster. The stop block rests on

the other side of the die and helps square it evenly on the press. Die-Align is designed to align a die of any size.

### Penn United Technologies Inc

Booth C1420

#### Machined Components

Penn United Technologies Inc's precision machining group specializes in high precision metal machining for critical-application components.

### Superior Die Set Corp

Booth C658

#### Type D Ball Bearing Die Set Product Line

Interchangeable with competitive ball bearing systems, inch sizes, straight sleeve and shoulder bushings, press fit and demountable pins, available with maxi-cage end caps.

## Tooling

### American Punch Co

Booth C5026

#### Ironworker Tooling with Customer-Specified Keyways

Stock oblong and square tooling with customer-specified keyways are now being shipped same day ordered exclusively from American Punch Company.

## Tube & Pipe Fabricating or Welding

### Advanced Tubular Technologies Inc

Booth C1556

#### VTube-LASER Tube Measuring Software for FARO

Advanced Tubular Technologies Inc introduces its VTube-LASER, designed from the ground up only for tube fabricators, to make qualifying tube and correcting benders easier and more productive than possible before using FARO ScanArms.

### Aquasol Corp

Booth N3613

#### I-Purge Inflatable Purge Bladders

The I-Purge System is equipped with optimum relief valve technology. I-Purge inflates at a precise rate which protects the inner bladder from over inflation while minimizing fill time. The tubing system efficiently inflates the bladders, forming an air tight seal to prevent leakage of the inert gas from the weld zone.

### Pro-Ox 100 Oxygen Monitor

The Aquasol Corp introduces its Pro-OX™ oxygen monitor with accessories kit. The ergonomically designed moninto fits nicely into the hand for a comfortable hold and accurately measures oxygen concentration with .01% (100 ppm) resolution.

### Bug-O Systems

Booth N4813

#### Pipe Welding Solutions

Bug-O Systems provides many solutions for medium to large diameter pipe welding. From high-tech digital control to economical, simple to operate tractors.

### COB Industries Inc

Booth N5919

#### PurgElite™ Pipe Purging Systems

COB Industries Inc introduces its Argweld® PurgElite™ systems, inflatable pipe purging systems with a simpler design with no valves to set or adjust. These systems are cost-effective and are the fast, easy purging method that can be used on 1" pipe and up.

### Fit Rite

Booth N6126

#### Fit Rite Precision Pipe Fitting System

The patented Fit Rite precision pipe fitting system dramatically improves the speed and accuracy of pipe to pipe, pipe to flange, pipe to elbow, or any other pipe spool combination. The fit up and welding time is improved by 50-90% over traditional pipe fitting methods in all sizes ranging from 1/2" to 72" pipe.

### HOT COILS

Booth N5115

#### 230 Volt Pipe Preheat Coils

The coils allow world-wide use for preheating and bake-out applications, require 230 volt, 15 amp power supply and can heat the pipe to 550°F (286°C) in minutes. The adj. thermostat accurately holds temperature within +/- 2.5°F. Will fit 4", 6", 8", 10" and 12" pipe.

### Innerspec Technologies

Booth N2217

#### Longitudinal Weld Inspection for ERW Tubes

The temate Ti-W(ERW) performs ultrasonic non-destructive testing of welds without couplant for inspection of tubes at higher temperatures. Installs immediately after the welder. Meets API standards.





## Lillbacka Powerco USA Inc

Booth C2132

### Heavy Duty Production 2000 UC King Crimper

The King Crimper 2000 has a maximum crimping force of 2,000 metric tons and has a crimping range from 7.87" to 25.6".

### Olympus NDT

Booth N1613

### OmniScan MX2

The OmniScan MX2 phased array flaw detector provides powerful inspection capabilities for manual and automated phased array applications. Features include a case design with a 10.4 inch innovative touch screen interface and high-speed data transfer.

### Proto-1 Manufacturing

Booth C1825

### TSM-3.5D Tube Sizing Machine

The TSM-3.5D tube sizing machine offers a small footprint, quick change tooling and is affordable. Features include: a double head design with left side for expanding from 2" - 3.5" raw tube with 3/8" range per tool and the right side reduces from 2" - 3.5" raw tube with 3/8" range per tool. This machine is portable, has touch screen controls and is designed for cell operation.

### Sumner Manufacturing Co Inc

Booth N1519

### Sumner's HOLD-E pipe clamp

A quick easy, safe clamp for holding pipe on vee-head jack stands. The Qwik™ release button allows clamp arms to open and close in seconds.

### Team Industries Inc

Booth N2929

### Generation V 8,000 lb. Weld Positioner

The Generation V weld positioner features a capacity of 8,200 lbs. 6 inches from the face of the gripper and comes equipped with a full function remote hand pendant as well as a standard corded foot pedal.

### Tubex Technology Machinery Inc

Booth C2334

### SMI SILVER 2 CD Tube Bending Machine

The SMI Silver 2 CD is a direct from coil tube bender design especially for copper, Aluminum and stainless.

## Winton Machine Co

Booth C1725

### Electric Bend Head Option

Winton Machine has added a 3-axis electric servo bend head as an option on its 20mm CNC tube benders.

### Online XYZ-LRA Converter

Winton offers expanded data points with its online XYZ-LRA converter, which converts XYZ data to LRA data.

### Twin-Head Tube Bender

Winton's model TW50 twin head tube bending machine is a hydraulic powered rotary compression tube bender that can bend tubes up to 2 inches in diameter, like those used in farm fencing.

## Tube & Pipe Producing

### Kent Corp

Booth C2128

### HRF-050 Lead Accumulator

Kent Corporation's introduces its lead HRF-050 accumulator for battery lines.

### Welder for Downhole Coiled Products

Kent Corp introduces its 45 degree bias shear and end welder for API downhole coiled products.

### Scotchman Industries Inc

Booth C4923

### HSX 100-02 Heavy Duty High Speed Tube & Pipe

The HSX 100-02 is designed and built for large diameter pipe and stainless steel applications. This machine is quick, sturdy, precise and ideally suited for grinding stainless steel rapidly with a belt speed of 131.25 feet per second.

### Wuxi Dixin Steel Pipe Co Ltd

Booth C1554

### Heavy Wall Tubes of ASTM A511

Heavy wall of grade 300 series seamless tubes per ASTM A511, such as size 6" OD X 1" WA in the picture, are very professional here in DIXIN. Size ranges from 1" OD X 3/8" WA to 7" OD X 1" WA are all covered. Abrasive blasting on OD surface is workable.

## Waterjet

### Jet Edge

Booth C4349

### ECO-JET Waterjet Pump

Jet Edge's 55KSI, 30hp ECO-JET waterjet pump features an efficient direct drive design that consumes up to 50% less electricity than a 50hp pump but produces the same output.

### Mid Rail Gantry with Permalign® EDGE

Featuring Jet Edge's Permalign® EDGE cutting technology, the mid rail gantry waterjet system is capable of cutting precise zero-taper parts and bevels up to 55°.

### KMT Waterjet Systems Inc

Booth C6334

### High Pressure Streamline PRO2® Pump

KMT Streamline PRO2® series pumps feature pressure up to 90,000psi, at 60hp & 125hp and offer the combination of horsepower and pressure with significant advances in uptime.

### OMAX Corp

Booth C3940

### Drill Head

Achieve reliable piercing of composites and laminates with an OMAX engineered pneumatic drill specifically designed for the waterjet environment.

### Semyx LLC

Booth C6347

### Optima Series Waterjet Cutting Systems

The OPTIMA waterjet cutting series provides a vigorous industrial design and rigid construction that combines precision and simplicity. The OPTIMA is made to handle high production for versatile applications. OPTIMA models come in a wide variety of sizes.

### Techni Waterjet

Booth C5128

### Intec-G2 Value Series

TECHNI Waterjet™ introduces the Intec-G2 value series line of waterjet cutting systems which includes a smaller footprint, without taking away from the cutting area and a larger monitor screen for added ease to the customer.



## Welding Consumables

### Changzhou Shine Science & Technology Co Ltd

Booth N2527

#### AS-4001F Pro

Professional welding helmet certified by ANSI, CSA, AS/NZS and CE (plus rating). The helmet is also suitable for a variety of color paint and decals. Leading edge technology assures the helmet to be used under the most severe condition.

### Changzhou Zhengyang Welding Material Co Ltd

Booth N2306

#### Welding Wire

Changzhou Zhengyang Welding Material Co Ltd offers weatherability steel welding wire, stainless steel welding wire, flux cored welding wire, aluminum welding wire, brazing welding wire in addition to its hundred of other varieties and specifications.

### Easy Abrasives LLC

Booth N2618

#### Cutoff Wheel

Easy Abrasives LLC offers type 1 and 27 metal/steel cutting wheels.

### IBEDA /Superflash Compressed Gas Equipment Inc

Booth N3437

#### Gas Adjustable Gas Mixer

SuperFlash gas mixers allow users to mix their own gases at almost any ratio needed to fit their specific process requirements. The SuperFlash compressed gas equipment two-gas mixer allows users to blend their own shielding gases at almost any ratio.

### Nanjing Youtian Metal Technology Co Ltd

Booth N1616

#### Zirconium/Hafnium/Titanium Wire

Wire is available in various grades and sizes with relative standards strictly observed in the manufacturing. Nanjing Youtian Metal Technology specializes in Zr/Hf/Ti products.

### Nevatia Steel & Alloys Pvt LTD

Booth N2824

#### Nevinox® MIG & TIG Filler Wire

Nevatia Steel a leading ISO 9001, 14001 & OHSAS 18001 company producing stainless steel MIG and TIG filler wires in India. Nev-

inox® MIG and TIG filler wires for GMAW now approved by Bureau Veritas marine, TUV for pressure vessels & equipment, CE and Deutsche Bahn.

## Welding Machines/ Equipment

### ABICOR Binzel Corp

Booth N5508

#### Regula® EWR Electronic Welding Regulator

EWR gas regulator, offered by ABICOR Binzel, combines four methods of gas regulation. By combining all four methods, gas consumption during the welding process can be regulated & reduced by an average of 40% and up to 60%.

#### ArcOne

Booth N3231

#### iDF™ Intelligent-Darkening-Filter

The iDF™ Intelligent-Darkening Filter offers standard shade adjustment 3/5-14; auto-variable shade adjustment 3/5-14; special TIG mode with up-slope and down-slope control; 8 unique memory settings customizing each helmet.

#### Bernard

Booth N5516

#### FILTAIR Fume Extraction Gun

The Bernard FILTAIR fume extraction gun allows for balance of suction with shielding gas flow to protect against porosity, ensure efficient source capture and provide reliable welding performance.

#### Bluco Corp

Booth N2819

#### Modular Fixturing for Welding

Bluco Corporation offers the latest technology in modular fixturing for welding. Many components have been added including the Titanium-Aluminum series angles.

### Centerline (Windsor) Ltd

Booth N1926

#### FlexFast Lite™

A modular welding machine for small to medium fasteners.

#### FlexFast™ Modular Welder

A highly configurable fastener welding machine.

### Diversi-Tech Inc

Booth N1922

#### Fume Tracker

The Fume Tracker eliminates welding fumes. This technology offers hands free capture of

welding fumes and complies with OSHA clean air regulations.

### ELCo Enterprises

Booth N2831

#### Torch Wizard™ Nozzle Cleaning Station

The Torch Wizard™ robotic nozzle cleaning stations maintain quality and productivity in your weld cell by quickly removing spatter build-up in the gas nozzle. The station sprays & reams simultaneously, reducing cycle time by 50%.

### Fabrisonic LLC

Booth N6218

#### SonicLayer Additive Manufacturing Product Line

Fabrisonic introduces its line of ultrasonic additive manufacturing (UAM) equipment. UAM is a disruptive solid state welding technology that provides manufacturers an alternative way to create by using sound waves to weld thin layers of dissimilar metals.

### Goldland Industrial Co Ltd

Booth N6300

#### Auto Darkening Welding Helmet

Goldland Industrial Co Ltd introduces its auto darkening welding helmet with features that include a large view area, 97mm x 61mm (3.81" x2.4"), solar cell batteries, 3V lithium batteries (CR2450 2EA, replaceable) and four arc sensors.

### Guild International

Booth C2234

#### Guild International Laser Zapwelder

Guild International offers a 6 KW CO2 Zapwelder™, which employs laser cutting and laser welding machine for joining various grades of aluminum alloys.

### Gullco International

Booth N5002

#### Pipe KAT® for Rigid Track

The Pipe KAT® from Gullco features a re-engineered design. This improved Pipe KAT® is smaller, easier to install and includes some additional control features including remote control of the voltage adjustment.

### Irc Automation Inc

Booth N2431

#### IRCO Products

Irc Automation Inc designs and manufactures positioning equipment and automated welding systems for industrial welding and



fabricating. In business for over 50 year, Irco machines an be found all over the world, operating in the toughest environments.

### **Linemaster Switch Corp** Booth C2324

#### **Hercules Wireless RF Foot Switch**

Linemaster's Hercules wireless foot control utilizes RF technology for optimal signal transmission and reception. This system has 40 foot transmission range and is powered by three AA Alkaline batteries, which can last up to 700 hours.

### **Magnatech LLC** Booth N6133

#### **EZ Orbital 517**

The Model 517 is a tube welding controller that integrates the operation of a standard, commercial GTAW power source with the weld head.

### **Matuschek Welding Products Inc** Booth N1708

#### **SPATZMulti04 Weld Recorder and Analyzer**

The hand held SPATZMuti04 helps to optimize and monitor the resistance welding process, collect data, and troubleshoot.

### **MK Products Inc** Booth N2804

#### **CobraTurn™ Digital Turntable**

From small to large weld assemblies, the CobraTurn rotates welding jobs and is ideal for all applications up to the rated load capacities.

### **Nelson Stud Welding** Booth N5922

#### **NCD Plus Product Line**

NCD+™ is a dependable, generation capacitor discharge (CD) stud welding power source built on the foundation of 30,000 Hz switch-mode power conversion topology controlled by high performance 32-bit RISC processor with integrated DSP.

### **Phoenix International Inc** Booth N2328

#### **Type 4 Flux Cored Wire Oven**

Type 4 flux cored wire ovens feature: capacity of 4 spools (12 inch) or 3 spools (16 inch) of flux cored wire, are ideally suited for preheating parts or general purpose storage, thermostatic control and optional thermometer available for immediate temperature indication.

### **Preston-Eastin Inc** Booth N5731

#### **PE-30-6**

Preston-Eastin introduces its 3,000 lbs. two-axis positioner. The PE-30-6 is designed with a smaller footprint to help maximize effective use of floor space, reduce operator fatigue, increase productivity and improve weld quality.

### **PT-Mat** Booth N3337

#### **Plasma Transfer Arc Torch**

High deposition PTA torch for heavy deposition of coating and hardfacing in the mining and oil and gas industry.

### **Red Rock Automation/ Romar/MEC** Booth N4805

#### **Romy**

Romy is the latest tank fabrication tools in the line of ROMAR/MEC - Fit Up Gear products. These can replace half-clamps with a safe and effective device.

### **Rimco Equipment** Booth N1631

#### **Rotator 1250**

RIMCO Equipment introduces its Rotator 1250, featuring the time saving benefits of turning and positioning steel beams safely and efficiently, without using a saw horse or dangerous turning methods.

### **Robotic Technologies of TN** Booth N6025

#### **RTT-MSW-100 Mobile Suitcase Welder**

Robotic Technologies introduces its sub \$10,000 mobile, robotic, welding platform capable of carrying significant payloads (60+ lbs).

### **SMK Co Ltd** Booth N1524

#### **Incorrect Nut Setting Detection for Nut/Bolt Weld**

SMK Co Ltd offers its incorrect nut setting detection system which prevents defectively welded parts from coming out and with a high degree of accuracy can detect whether or not a nut/bolt is set correctly immediately prior to welding.

### **Staubli Corp Multi Contact USA** Booth N3636

#### **Tool Changers for Robots**

Stäubli and Multi-Contact tool changers for robots cover a wide range of applications, from very small to heavy payload applications requiring large moment capacity.

### **Strong Hand Tools** Booth N3631

#### **High Precision Siegmund Welding Tables**

Strong Hand Tools offers high precision, German made Siegmund welding tables for heavy duty fixturing. Siegmund tables feature a one piece reinforced steel plate design with five faces for an extremely rigid and flat work surface.

### **Tregaskiss** Booth N5513

#### **QUICK LOAD™ Liner AutoLength™ System**

The liner system for semi-automatic and robotic MIG guns minimizes wire feeding, burn-back and contact tip issues caused by liners that are cut up to one inch (2.54 cm) too short, while also reducing MIG gun liner replacement time by half.

### **Weldcraft** Booth N5516

#### **WP-280 Water-Cooled GTAW Torch**

The WP-280 water-cooled TIG torch is designed with the company's exclusive Super Cool™ technology to provide consistent and dependable cooling performance.

### **Welding Alloys USA** Booth N4917

#### **Hardlite Ultra-thin Hardfaced Wear Pate**

Welding Alloys Hardlite features an extremely refined micro-structure with high volume of chromium carbides alloying an ultra high wear resistance. 68 HRC is achieved through the company's unique patented process. Ask WA's team at Booth # N4917.

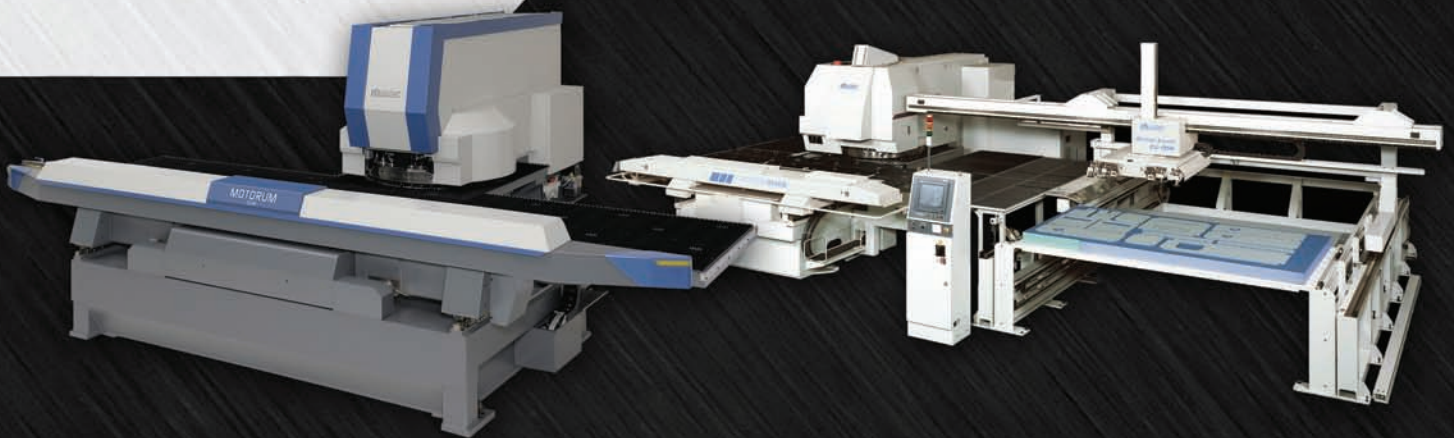
### **Wuxi Ronniwell Machinery** Booth N1707

#### **Welding Rotator**

Wind tower/tank/cylinder welding rotator, PU roller, self-alignment type.



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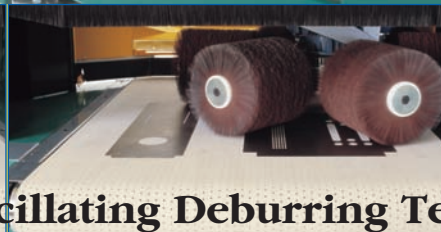
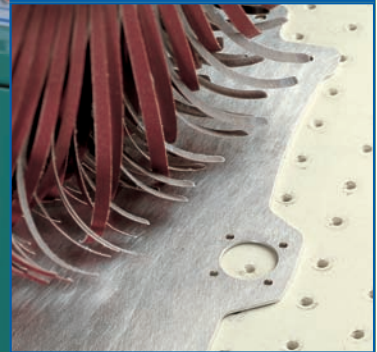
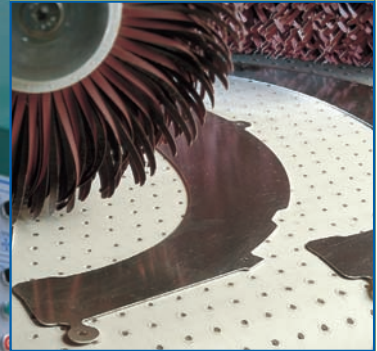
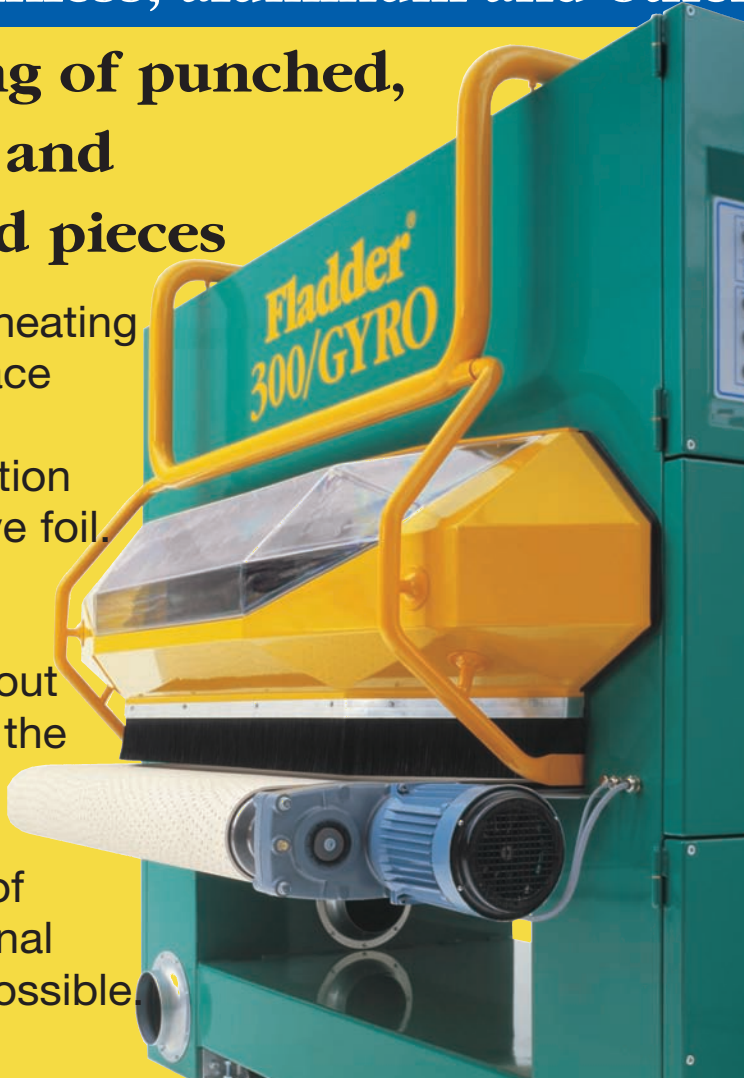


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## 321 Fixtures Booth C1756

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## 3M Booth N5502

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fax: 815-469-5601  
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## A&V Waterjet Tech Inc Booth C7533

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Waterjet

## ABB Inc Booth N6102

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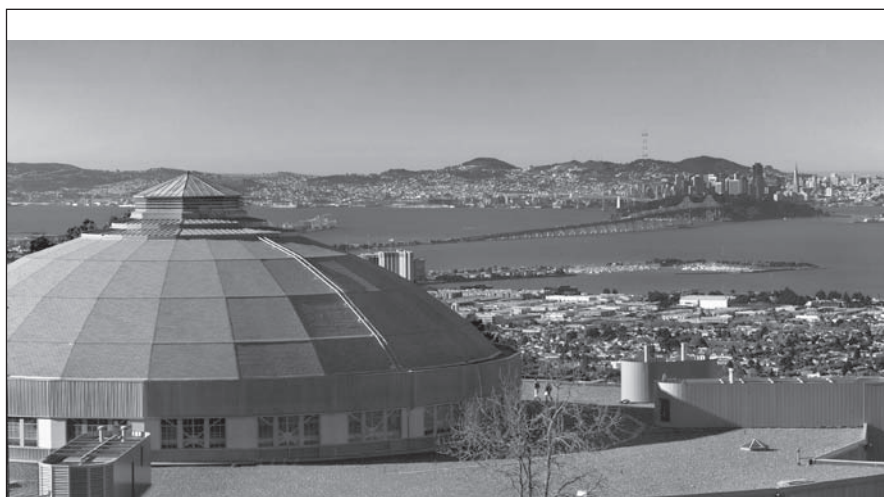
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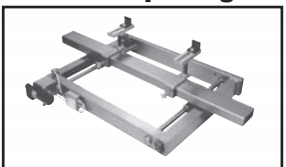
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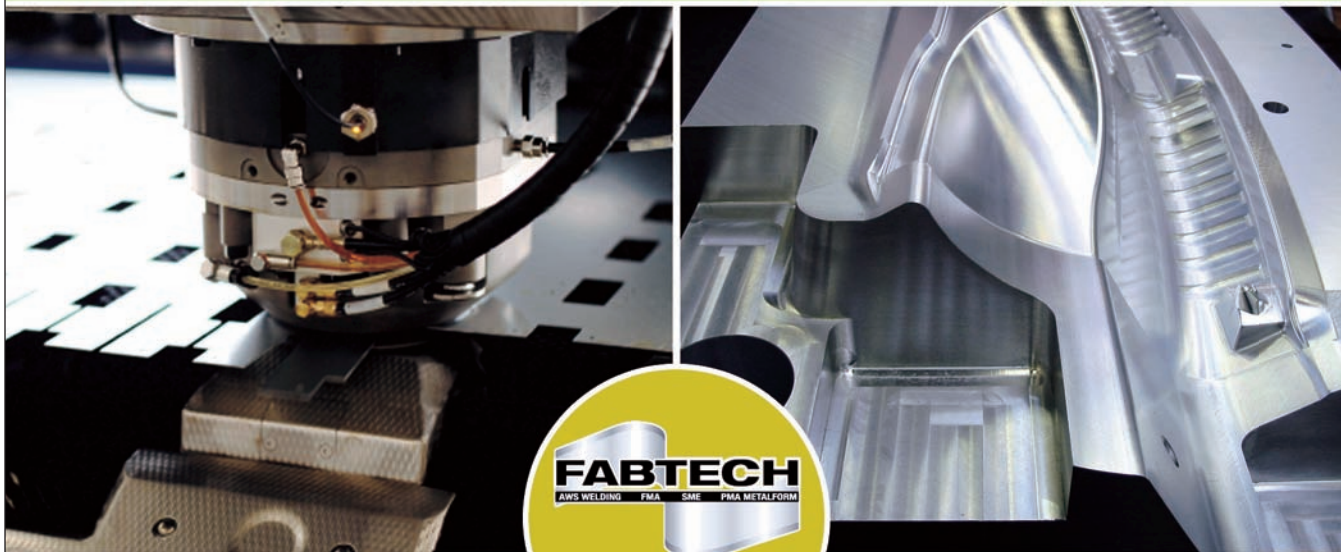
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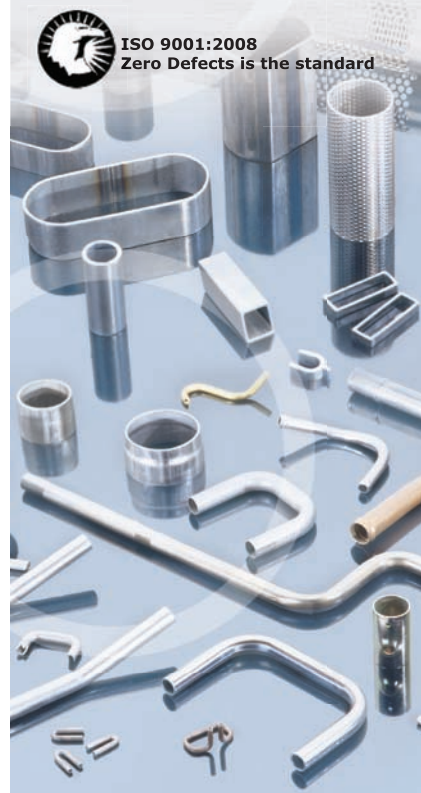
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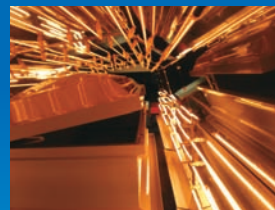
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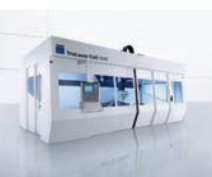
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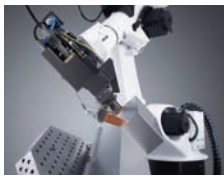
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Steelman Industries Inc . . . . .	C2058
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Alpine Bender Machinery . . . . .	C1836
Baykal Makina Sanayi ve Ticaret AS . . . . .	C5940, C5947
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F & G Tool and Die Co. . . . .	C1413
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Ningbo Hi-Tech Moldie Machinery Co Ltd . . . . .	C356
P&G Fluid Power Inc . . . . .	C1320
<b>Penn United Technologies Inc. . . . .</b>	<b>C1420</b>
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Precision Punch Corp. . . . .	C1432
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SteelTailor Ltd . . . . .	N4919
Tri Tool Inc . . . . .	N5913
United Global Sourcing Inc . . . . .	C8336
Yestool/Aloris-USA . . . . .	C8310

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C.A. Technologies Inc . . . . .	C1763
<b>Centerline (Windsor) Ltd . . . . .</b>	<b>N1926</b>
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Decoral System USA Corp . . . . .	C1954
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Eisenmann Corp . . . . .	C2439
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Global Finishing Solutions . . . . .	C2151
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Keyland Polymer Ltd . . . . .	C2063
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Powder-X Coating Systems . . . . .	C1262
Production Systems Inc . . . . .	C1858
Richards-Wilcox Inc . . . . .	C2252
Shercon Inc . . . . .	C2735
Spray-Tech/Junair . . . . .	C2164
Technogenia Inc . . . . .	N4924

Trimac Industrial Systems . . . . .	C2359
TWN Industries Inc . . . . .	C2446
Vulcan Catalytic Infrared Oven Systems	C2512
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Bulk Chemicals Inc . . . . .	C2433
<b>Calvary Industries Inc . . . . .</b>	<b>C2734</b>
Cardinal Paint and Powder . . . . .	C1761
<b>Chemical Coaters Assoc Int'l . . . . .</b>	<b>C1948</b>
Daymark Technologies . . . . .	N2222
Diamond Vogel Paints . . . . .	C2414
Enhancement Technologies / Sublitex-Miroglio . . . . .	C1561
Gem Tool Corporation . . . . .	C2320
Houghton International Inc . . . . .	C1437, C1552
Intech Services Inc . . . . .	C2163
International Chemical Co. . . . .	C1232
IonBond . . . . .	C1010
Lambda Research Optics Inc. . . . .	C5633
LORD Corporation . . . . .	N2011
PPG Industries . . . . .	C2739
St Louis Metallizing Co . . . . .	N2315
Strathmore Products Inc . . . . .	C1955
<b>Sulzer Metco US Inc . . . . .</b>	<b>N2413</b>
TAFI Inc . . . . .	N2318
Technogenia Inc . . . . .	N4924
Weld-Aid Products . . . . .	N4928

**Coil Cars & Cradles**

<b>American Machine &amp; Rollform Tech. . . . .</b>	<b>C5520</b>
ARKU Coil Systems Inc . . . . .	C7528
<b>Athader . . . . .</b>	<b>C5520</b>
<b>Bradbury Co., Inc., The . . . . .</b>	<b>C5520</b>
<b>Bradbury Group, The . . . . .</b>	<b>C5520</b>
Butech Bliss . . . . .	C5532
<b>Chicago Slitter . . . . .</b>	<b>C7023</b>
Cidan Machinery Inc. . . . .	C3449
COE Press Equipment . . . . .	C1323
D&H Machinery Inc. . . . .	C2112
Delta Steel Technologies . . . . .	C5952
Feed Lease Corp . . . . .	C928
<b>Hayes International . . . . .</b>	<b>C5520</b>
Herr Voss Stamco . . . . .	C7239
Machine Concepts Inc. . . . .	C4726
Metform International Ltd. . . . .	C5534
Minster Machine Co, The . . . . .	C649
Philpott Rubber/Lankhorst Mouldings	C823
Red Bud Industries . . . . .	C4732
Samco Machinery Ltd . . . . .	C1217
<b>Universal Tube &amp; Rollform     Equipment Corp. . . . .</b>	<b>C1528</b>





## Coil Cut-to-Length

American Machine & Rollform Tech.	C5520
ARKU Coil Systems Inc.	C7528
Athader	C5520
Beck Automation	C5520
Bradbury Co., Inc., The	C5520
Bradbury Group, The	C5520
Burghardt + Schmidt GmbH	C4934
Butech Bliss	C5532
Chicago Slitter	C7023
Cidan Machinery Inc.	C3449
COE Press Equipment	C1323
Costa & Grissom Machinery Co.	C7516
D&H Machinery Inc.	C2112
Delta Steel Technologies	C5952
Feed Lease Corp.	C928
Formtek Metal Forming & Hill Engineering	C3708
Herr Voss Stamco	C7239
Leveltek Intl LLC	C5950
Metform International Ltd.	C5534
Norwalk Innovation	C1055
Red Bud Industries	C4732
Samco Machinery Ltd.	C1217
TCT Stainless Steel Inc.	C1058
T-DRILL Industries Inc.	C2121
Ulbrich Stainless Steels & Special Metals Inc.	C1015
Universal Tube & Rollform Equipment Corp.	C1528
Vicon - Plasma Automation Inc.	N5031

## Coil End Joining Equipment

AMET Inc.	N4518
ARKU Coil Systems Inc.	C7528
Guild International	C2234
Ideal Welding Systems LP	N5008
Innerspec Technologies	N2217
Kent Corp.	C954, C2128
Metform International Ltd.	C5534
WAFIOS Machinery Corp.	C1736

## Coil Feed Line

AIDA-America Corp.	C1210
ARKU Coil Systems Inc.	C7528
COE Press Equipment	C1323
Feed Lease Corp.	C928
Herr Voss Stamco	C7239
Minster Machine Co, The	C649
Schuler Incorporated	C917
Stamtec Presses	C1052
Sutherland Presses	C152
Toledo Blank	C1149

## Coil Leveling Equipment

ARKU Coil Systems Inc.	C7528
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Bradbury Co., Inc., The	C5520
Bradbury Group, The	C5520
Burghardt + Schmidt GmbH	C4934
Butech Bliss	C5532
Chicago Slitter	C7023
Costa & Grissom Machinery Co.	C7516
D&H Machinery Inc.	C2112
Delta Steel Technologies	C5952
Formtek Metal Forming & Hill Engineering	C3708
Herr Voss Stamco	C7239
Leveltek Intl LLC	C5950
Machine Concepts Inc.	C4726
Metform International Ltd.	C5534
Red Bud Industries	C4732
Samco Machinery Ltd.	C1217
TCT Stainless Steel Inc.	C1058

## Coil Lifters/Positioners

D&H Machinery Inc.	C2112
Industrial Magnetics Inc.	C5728
JMR Industrial	C3752
Linemaster Switch Corp.	C2324
Pador Marketing Group	N2927
Permatur Industries Inc.	N3006
Roll Former Corp.	C1037
Walker Magnetics	C7536

## Coil Packaging Systems

Athader	C5520
Burghardt + Schmidt GmbH	C4934
Chicago Slitter	C7023
D&H Machinery Inc.	C2112
Delta Steel Technologies	C5952
Herr Voss Stamco	C7239
Samuel Strapping Systems	C1524

## Coil Processing - Protectors & Covers

Armstrong/Kover Kwick Inc feat NCCM Mill Rolls	C7047
Cidan Machinery Inc.	C3449
Costa & Grissom Machinery Co.	C7516
Nitto Denko America Inc.	C8409
Philpott Rubber/Lankhorst Mouldings	C823
Polyurethane Products Corp.	C3811

## Coil Processing - Tension Boards

Armstrong/Kover Kwick Inc feat NCCM Mill Rolls	C7047
Burghardt + Schmidt GmbH	C4934
Chicago Slitter	C7023
Costa & Grissom Machinery Co.	C7516
Herr Voss Stamco	C7239
Machine Concepts Inc.	C4726

## Coil Processing Accessories

Alliance Machine and Engraving LLC	C5520
Armstrong/Kover Kwick Inc feat NCCM Mill Rolls	C7047
ASKO Inc.	C4810
Athader	C5520
Chicago Slitter	C7023
Cidan Machinery Inc.	C3449
Enhancement Technologies / Sublitez-Miroglio	C1561
ERIEZ	C7316
Herr Voss Stamco	C7239
KLINGSPOR Abrasives Inc.	N3135
Machine Concepts Inc.	C4726
Measurement Systems Intl.	C7138
Nitto Denko America Inc.	C8409
Philpott Rubber/Lankhorst Mouldings	C823
Polyurethane Products Corp.	C3811
Red Bud Industries	C4732

## Coil Processing Rolls - Fabric, Urethane, Felt

Alliance Machine and Engraving LLC	C5520
Armstrong/Kover Kwick Inc feat NCCM Mill Rolls	C7047
Burghardt + Schmidt GmbH	C4934
Chicago Slitter	C7023
Costa & Grissom Machinery Co.	C7516
Herr Voss Stamco	C7239
Machine Concepts Inc.	C4726
Philpott Rubber/Lankhorst Mouldings	C823

## Coil Slitters

ARKU Coil Systems Inc.	C7528
Armstrong/Kover Kwick Inc feat NCCM Mill Rolls	C7047
ASKO Inc.	C4810
Athader	C5520
Bradbury Co., Inc., The	C5520
Bradbury Group, The	C5520
Burghardt + Schmidt GmbH	C4934
Butech Bliss	C5532
Chicago Slitter	C7023
Cidan Machinery Inc.	C3449
COE Press Equipment	C1323
Costa & Grissom Machinery Co.	C7516
D&H Machinery Inc.	C2112
Delta Steel Technologies	C5952
Herr Voss Stamco	C7239
Machine Concepts Inc.	C4726
Metform International Ltd.	C5534
Philpott Rubber/Lankhorst Mouldings	C823
Polyurethane Products Corp.	C3811
Red Bud Industries	C4732



Samco Machinery Ltd . . . . . C1217  
 TCT Stainless Steel Inc . . . . . C1058  
 Ulbrich Stainless Steels &  
 Special Metals Inc . . . . . C1015

**Coil Strip Accumulator/Loop Control Systems**

Burghardt + Schmidt GmbH . . . . . C4934  
 Guild International . . . . . C2234  
 Herr Voss Stamco . . . . . C7239  
 Kent Corp. . . . . C954, C2128  
 Machine Concepts Inc. . . . . C4726  
 Metform International Ltd. . . . . C5534  
 Mill Masters . . . . . C1533  
 T&H Lemont . . . . . C2117

**Coil Uncoilers/Recoilers**

Accra-Wire Controls Inc . . . . . C1256  
 Alma Machinery Co. . . . . C1431  
 Athader . . . . . C5520  
 Bradbury Co., Inc., The . . . . . C5520  
 Bradbury Group Australia . . . . . C5520  
 Bradbury Group, The . . . . . C5520  
 Bruderer Machinery Inc. . . . . C925  
 Burghardt + Schmidt GmbH . . . . . C4934  
 Chicago Slitter . . . . . C7023

Cidan Machinery Inc . . . . . C3449  
 Costa & Grissom Machinery Co . . . . . C7516  
 D&H Machinery Inc. . . . . C2112  
 Delta Steel Technologies . . . . . C5952  
 Feed Lease Corp . . . . . C928  
 Formtek Metal Forming &  
 Hill Engineering . . . . . C3708

Hayes International . . . . . C5520  
 Herr Voss Stamco . . . . . C7239  
 Kent Corp. . . . . C954, C2128  
 Machine Concepts Inc. . . . . C4726  
 Metform International Ltd. . . . . C5534  
 Minster Machine Co, The . . . . . C649  
 Norwalk Innovation . . . . . C1055  
 Red Bud Industries . . . . . C4732  
 Roll Former Corp . . . . . C1037  
 Samco Machinery Ltd . . . . . C1217  
 T-DRILL Industries Inc . . . . . C2121  
 Universal Tube & Rollform  
 Equipment Corp. . . . . C1528  
 WAFIOS Machinery Corp . . . . . C1736

**Combustion Systems for Ovens, Washers**

Fostoria Process Equipment . . . . . C2148  
 General Automatic Transfer . . . . . C2550

General Fabrications Corp. . . . . C2648  
 Midwest Finishing Systems Inc . . . . . C2526  
 Production Systems Inc. . . . . C1858  
 Rapid Engineering . . . . . C2610  
 Red-Ray Manufacturing Co Inc. . . . . C2052  
 Trimac Industrial Systems. . . . . C2359

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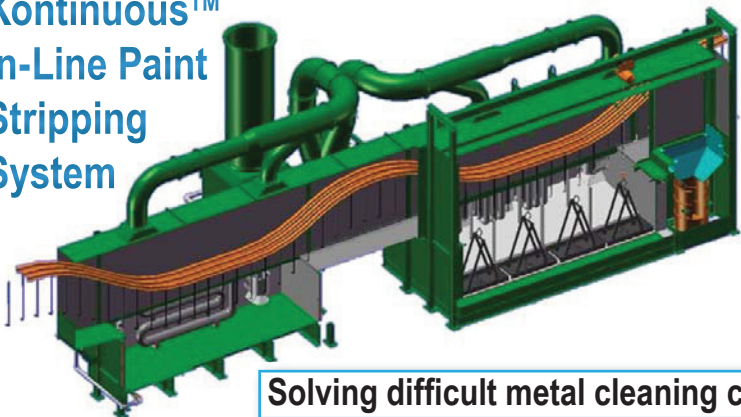
C.A. Technologies Inc . . . . . C1763  
 Compressed Air . . . . . N3034  
 Krautberger LLC . . . . . C1964  
 Parker domnick hunter . . . . . N1513  
 TDC Filter Inc. . . . . N2622

**Computer Hardware Systems & Components**

AceCad Software . . . . . C2825  
 AMET Inc. . . . . N4518  
 Beckhoff Automation . . . . . C7545  
 Computers Unlimited . . . . . N3315  
 DELTA Computer Systems Inc. . . . . C1024  
 Global Shop Solutions. . . . . C7312  
 Link Systems . . . . . C909

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## Computer Hardware Systems & Components

Prodim USA	C8521
Shop Edge Software Inc	C1434
Toledo Integrated Systems	C1317
Trendex Information Systems Inc	N3218
Victory Plasma Systems Inc	N4833

## Consulting - Finishing Technology

<b>Alliance Machine and Engraving LLC</b>	<b>C5520</b>
American Finishing Resources	C1855
<b>Anomatic Corp.</b>	<b>C2452</b>
Haynncorp Industrial Finishing Solutions	C2360
<b>IntelliFinishing</b>	<b>C2528</b>
Nation Coating Systems Inc	N2416
Powder Coating Consultants	C2422
Production Systems Inc	C1858

## Consulting - Management

5S Supply	C3454
Meltric Corp	N4826
North America Consulting	N6333
Powder Coating Consultants	C2422
<b>Precision Metalforming Association</b>	<b>C463</b>
Site Location Partnership (SLP)	N1406
State of Wyoming	N3133

## Consulting - Manufacturing Technology

Abtex Corp.	C7547
Accurate Die Design Inc/ Logopress Corp	C1423
<b>Anomatic Corp.</b>	<b>C2452</b>
Arc Specialties Inc	N1610
ASKO Inc	C4810
FARO Technologies Inc	C7636
Global Shop Solutions	C7312
KME Germany GmbH & Co KG	N1525
KoCos America LLC	C2223
<b>Logopress Corp</b>	<b>C1423</b>
Meltric Corp	N4826
MetaMation Inc	C3737
<b>MIE Solutions Inc</b>	<b>C7212</b>
Packsize LLC	C1336
<b>Precision Metalforming Association</b>	<b>C463</b>
Pronic Inc	C828
Robotmaster-In-House Solutions Inc	N5933
Shercon Inc	C2735
State of Wyoming	N3133
Tower Oil & Technology Co	C1319
TWN Industries Inc	C2446
Weldcoa	N3238

## Consulting - Marketing

Expansion Solutions Magazine	C7346
<b>Long Haul Trucking</b>	<b>C4349</b>
Nebraska Public Power District	C7347
Site Location Partnership (SLP)	N1406
State of Wyoming	N3133
Studio Eleven/Vivid Mfg Group	C754

## Consulting - Quality/ISO

5S Supply	C3454
FARO Technologies Inc	C7636
Global Shop Solutions	C7312
Powder Coating Consultants	C2422
State of Wyoming	N3133
Welder Training & Testing Institute	N1533

## Consulting - Safety

CH Steel Solutions Inc	C7348
<b>CNA Insurance</b>	<b>C7247</b>
CoreTemp	N6236
DualDraw LLC	N2506
Fastenal Company	N5736
Meltric Corp	N4826
Powder Coating Consultants	C2422
Rimco Equipment	N1631
State of Wyoming	N3133

## Conversion Coatings

Bulk Chemicals Inc	C2433
<b>Calvary Industries Inc</b>	<b>C2734</b>
DuBois Chemicals	C2545
DuBois Chemicals	C4938
Hubbard-Hall Inc	C2156
International Chemical Co	C1232
Powder Coating	C2356
Strathmore Products Inc	C1955

## Conveyor Systems

Accra-Wire Controls Inc	C1256
<b>Apex Machine Group/ SlipCon USA</b>	<b>C5528</b>
Behringer Saws Inc	C5722
BTM Bandsaws	C8416
CH Steel Solutions Inc	C7348
Controlled Automation Inc	C7730
Daifuku Webb	C2425
Emmegi USA Inc	C7323
ERIEZ	C7316
Ficep Corporation	C6550
General Automatic Transfer	C2550
Haberle / Ken Bergman & Assoc LLC	C7137
<b>Hayes International</b>	<b>C5520</b>
Hyd-Mech Group Ltd	C6523
Industrial Magnetics Inc	C5728
<b>IntelliFinishing</b>	<b>C2528</b>
Kasto Inc	C5934

<b>KMI Systems Inc</b>	<b>C2722</b>
Lissmac Corp	C4340
LS Industries Inc	C8123
Magnetic Products Inc	C5510
Marvel Manufacturing Co	C6316
Mayfran International Inc	C939
<b>Mighty Hook Inc</b>	<b>C2420</b>
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Ogden Welding Systems	N3035
Osborn	C2737, N3309
Pangborn Corp	C6516
Pax Products Inc	C1428
Peddinghaus Corp	C7723
Philpott Rubber/Lankhorst Mouldings	C823
Polyurethane Products Corp	C3811
Powder Coating	C2356
PythonX-Burlington Automation	C8116
Richards-Wilcox Inc	C2252
Southern Systems Inc	C2256
Steel Storage Systems Inc	C6916
Voortman Corporation	C7739
Vulcan Catalytic Infrared Oven Systems	C2512
Webb-Stiles Co	C2435

## Coolants

California Cold Saw	C7240
<b>Chemetall US Inc</b>	<b>C2709</b>
Chemtool Inc	C660
Cimcool Fluid Technology	C1452
Coral Chemical Co	C2417
DoALL Sawing Products	C7713
Doringer Cold Saws	C4913
DuBois Chemicals	C2545
DuBois Chemicals	C4938
Emmegi USA Inc	C7323
ERIEZ	C7316
Fuchs Lubricants Co	C1517
Global Metal Spinning Solutions Inc	C934
Haberle / Ken Bergman & Assoc LLC	C7137
HE&M Saw Inc	C5508
Houghton International Inc	C1437, C1552
Intercon Enterprises Inc	N3227
International Chemical Co	C1232
Laser Experts Inc	C5742
LENOX	C4808
<b>Metalloid Corp</b>	<b>C1447</b>
Nitto Kohki USA Inc	C1510
Rock Valley Oil & Chemical Co Inc	C1049
Taylor Enterprises Inc	C347
Tower Oil & Technology Co	C1319
UltraLube	C7539
Unist Inc	C847
Walter Surface Technologies	N2628





## Corner Forming Machines

Euromac/Metal Finish LLC	C4716
Global Metal Spinning Solutions Inc.	C934
International Technologies Inc.	C8111
<b>Triform Sheet Hydroforming</b>	<b>C1226</b>

## Cranes

Demag Cranes and Components	C560
Gorbel Inc.	C2336
JMR Industrial	C3752
Linemaster Switch Corp.	C2324
Permadr Industries Inc.	N3006
SPANCO Inc.	C2212
Vulcan Catalytic Infrared Oven Systems	C2512

## Cryogenic Equipment/Pumps/Trailers

Chart Inc.	N3204
Cyl-Tec Inc.	N3138
Fiba Technologies Inc.	N6324
Weldcoa	N3238
Western Enterprises	N2933

## Custom Machinery - Sheet Metal & Plate

<b>AKS Cutting Systems Inc.</b>	<b>C5135</b>
<b>Apex Machine Group/SlipCon USA</b>	<b>C5528</b>
<b>Beckwood Press Co.</b>	<b>C1228</b>
<b>Betenbender Manufacturing Inc.</b>	<b>C3744</b>
Bliss Clearing Niagara	C933
Bowlin Engineering	C4838
<b>Carell Corp/Eagle Bending Machines</b>	<b>C5928</b>
<b>Chicago Slitter</b>	<b>C7023</b>
COMAQ Inc.	C5125
Controlled Automation Inc.	C7730
Elo Automated Stainless Steel Technologies Qingdao Co Ltd.	C8342
Friggi N.A. Inc.	C7642
Greenerd Press & Machine Company Inc.	C815
KMT Waterjet Systems Inc.	C6334
Lissmac Corp.	C4340
LS Industries Inc.	C8123
Mayfran International Inc.	C939
Ningbo Hi-Tech Moldie Machinery Co Ltd.	C356
Norlok Technology Inc.	C4840
P&G Fluid Power Inc.	C1320
Pandjiris Inc.	N4810
PythonX-Burlington Automation	C8116
<b>Salvagnini America Inc.</b>	<b>C3928</b>
Semx LLC	C6347
Sertom Group North America LLC	C6911

Shred-Tech Compass Systems	C7550
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Timesavers Inc.	C6340
TJ Snow Co.	N2613
Toolmen Corp.	C1253
Tri Tool Inc.	N5913
<b>Triform Sheet Hydroforming</b>	<b>C1226</b>
Unipunch Products Inc.	C3732
Victory Plasma Systems Inc.	N4833
Weil Engineering North America	C8209
Westingcut Industrial Technology Anhui Inc.	N1424

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Beilun Futuo Mechanical Tools Co Ltd.	N6026
CoreTemp	N6236
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Doringer Cold Saws	C4913
Easy Abrasives LLC	N2618
Gem Tool Corporation	C2320
JAZ USA Inc.	N1831
Joysun Abrasives Co Ltd.	N3208
KLINGSPOR Abrasives Inc.	N3135
Mercer Abrasives	N6016
Metabo Corp.	N6131
<b>Norton Abrasives</b>	<b>N2610</b>
Osborn	C2737, N3309
PFERD INC.	N5018
Rex-Cut Abrasives	N2708
Suhner Industrial Products Inc.	N3010
United Abrasives Inc./SAIT.	N3104
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<b>Weiler Corp.</b>	<b>N4831</b>
Winnox Industries Ltd.	N6111

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American Torch Tip Co Inc.	N2022
C H Symington & Co Inc.	N2213
Centricut	C4935
Changzhou Huatong Welding Industry Co Ltd.	N6310
Flame Technologies Inc.	N3219
Genstar Technologies Inc.	N2822
Goss Inc.	N2722
Haberle / Ken Bergman & Assoc LLC	C7137
Harris Products Group	N4509
<b>Hypertherm Inc.</b>	<b>N3906</b>
Joysun Abrasives Co Ltd.	N3208
Komatsu America Industries LLC	C1239, C6510
LONGEVITY Welding & Cutting Products	N5109

Mathey Dearman	N5710
<b>Messer Cutting Systems</b>	<b>C5916</b>
Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd.	N6007
North (Nanjing) Instrument Technology Industries Group.	N3226
Termmei Torch & Tip Company	N2526
<b>Thermacut Inc.</b>	<b>N5508</b>
Uniweld Products Inc.	N5113

## Cutting Tools

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ATI Stellram	N1733
Bad Dog Tools	N3106
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Climax Portable Machining & Welding Systems	N1422
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Dynabrade Inc.	C2409
Easy Abrasives LLC	N2618
Eberle America Inc.	C8312
EH Wachs Co.	N5713
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Ermak USA	C3447
ESCO Tool Co.	C5735
Fastenal Company	N5736
G&J Hall Tools Inc.	N3025
Haberle / Ken Bergman & Assoc LLC	C7137
Harris Products Group	N4509
Hydro Carbide Inc.	C8238
<b>Hypertherm Inc.</b>	<b>N3906</b>
IonBond	C1010
<b>Jet Edge</b>	<b>C4349</b>
Joysun Abrasives Co Ltd.	N3208
M K Morse Co, The	C7109
Miller Electric Mfg Co.	N5213, N5816
Multiplaz	N4909
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<b>Orbitalum Orbital Cutting + Welding</b>	<b>N5713</b>
Rex-Cut Abrasives	N2708
Suhner Industrial Products Inc.	N3010
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York Portable Machine Tools	N2925



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Centerline (Windsor) Ltd. ....	N1926
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<b>SlipCon USA</b> .....	<b>C5528</b>
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CIMID Corp. ....	C8327
Comco Inc. ....	C5052
Costa & Grissom Machinery Co. ....	C7516
CS Unitec Inc. ....	N5531
Dynabrade Inc. ....	C2409
Easy Abrasives LLC .....	N2618
Euromac/Metal Finish LLC .....	C4716
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Fein Power Tools Inc. ....	N5902
<b>Fladder-Hansen &amp; Hundebol Inc.</b> ....	<b>C6328</b>
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Haberle / Ken Bergman & Assoc LLC .....	C7137
Hangzhou Xiangsheng Abrasive Machine Manufacturing Co., Ltd. .	C7142
Heck Industries .....	C4828
Hollbrit Inc. ....	N6317
Jet .....	C5923
Joysun Abrasives Co Ltd. ....	N3208
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KULLEN - KOTI GmbH .....	N3137
Lissmac Corp. ....	C4340
Metabo Corp. ....	N6131
<b>Metcast Service Tech Resources</b> ...	<b>C6946</b>
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<b>Mullenbach GmbH</b> .....	<b>C2155</b>
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PHI. ....	C2122
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Rosler Metal Finishing USA LLC. ....	C7733
Saar Hartmetall USA LLC .....	N5925
Scantool USA By CML USA .....	C7147
Suhner Industrial Products Inc. ....	N3010
T&H Lemont .....	C2117
Timesavers Inc. ....	C6340

United Abrasives Inc /SAIT. ....	N3104
Walter Surface Technologies .....	N2628
<b>Weiler Corp.</b> .....	<b>N4831</b>
Wendt USA LLC. ....	N2606
Wheelabrator Group. ....	C7121

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Corewire Ltd. ....	N2910
IonBond .....	C1010
Moeller Precision Tool .....	C1020
Rocklin Manufacturing Co. ....	C1433
Wilson Tool International. . .	C1013, C5116

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American Punch Co. ....	C5026
Anchor Danly. ....	C931
Associated Spring Raymond. ....	C1426
Carr Lane Manufacturing Co. ....	N3036
<b>Chelar Tool &amp; Die Inc</b> .....	<b>C349</b>
Cleveland Steel Tool Co .....	C5522
Fibro Inc. ....	C249
GMT North America .....	C353
Hydro Carbide Inc. ....	C8238
Moeller Precision Tool .....	C1020
SelfLube .....	C558
Superior Die Set Corp. ....	C658
Toledo Blank .....	C1149
Wilson Tool International. . .	C1013, C5116

## Die Components/Die Cushions/ Die Punches/Die Springs

Passline Performance .....	C2325
Ready Technology Inc .....	C832

## Die Handling Equipment

EAS Mold & Die Change Systems, Inc. ....	C1026
GMT North America .....	C353
JIT Automation Inc .....	C756
<b>Marion Die &amp; Fixture Inc.</b> .....	<b>C5520</b>
Minster Machine Co, The. ....	C649
Pacesetter Systems. ....	C1412
Reis Robotics USA Inc. ....	N5910

## Die Protection Equipment

CIECO Inc. ....	C1334
Industrial Innovations Inc .....	C836
ISB Group .....	C4728
JIT Automation Inc .....	C756
Pacesetter Systems. ....	C1412
Rocklin Manufacturing Co. ....	C1433
Toledo Blank .....	C1149
TOP YES Precision Metal Products Co LTD. ....	C1028
Wintriss Controls .....	C3711

## Die Sets

A-G Tool & Die .....	C920
<b>American Machine &amp; Rollform Tech.</b>	<b>C5520</b>
American Punch Co. ....	C5026
Anchor Danly. ....	C931
<b>Chelar Tool &amp; Die Inc</b> .....	<b>C349</b>
Cleveland Steel Tool Co .....	C5522
Dongsan Bearing Co .....	C833
Elizabeth Carbide Components. ....	C150
Fibro Inc. ....	C249
GMT North America .....	C353
Hydro Carbide Inc. ....	C8238
Lillbacka Powerco USA Inc. ....	C2132
Moeller Precision Tool .....	C1020
Pacesetter Systems. ....	C1412
Pottiez America LP .....	C1025
Ready Technology Inc .....	C832
Superior Die Set Corp. ....	C658
Unipunch Products Inc. ....	C3732
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CH Steel Solutions Inc .....	C7348
EAS Mold & Die Change Systems, Inc .....	C1026
Industrial Magnetics Inc. ....	C5728
Kasto Inc. ....	C5934
Macrodyne Technologies Inc .....	C252
Minster Machine Co, The .....	C649
Pacesetter Systems. ....	C1412
Polyurethane Products Corp .....	C3811
<b>Steel King Industries Inc.</b> .....	<b>C1057</b>
Steel Storage Systems Inc .....	C6916
Versatility Professional Tool Storage, LLC .....	C1248
Webb-Stiles Co. ....	C2435

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Pacific Gas and Electric Company. . .	N1407
Site Location Partnership (SLP). ....	N1406

## Downdraft Tables/Booths/ Benches

Ace Industrial Products .....	N5009
Airflow Systems Inc .....	N1110
Airgas Inc .....	N5231
Avani Environmental Intl Inc. ....	N4537
Clean Air Consultants/Filter 1. ....	C2428
Coral Spa / Industrial Air Solutions .	N2813
Diversi-Tech Inc. ....	N1922
Donaldson Torit - Donaldson Company Inc. . .	C8121, N6028

DualDraw LLC	N2506
Industrial Maid	N2428
Kemper America Inc	N2631
Kinetic Cutting Systems Inc	C6311
KLINGSPOR Abrasives Inc.	N3135
Micro Air	N1806
Nederman Inc	N1604
Production Systems Inc.	C1858
Weldsale LLC	N5124

### Drilling Machines

Automec Inc	C4832
Baileigh Industrial Inc	C7513
Behringer Saws Inc	C5722
Cleveland Steel Tool Co	C5522
Climax Portable Machining & Welding Systems	N1422
COB Industries Inc.	N5919
Controlled Automation Inc	C7730
CS Unitec Inc.	N5531
Darex LLC	C8138
Dynabrade Inc	C2409
Elumatec North America Inc.	C2849
Emmegi USA Inc	C7323
Fein Power Tools Inc	N5902
Ficep Corporation	C6550
FomUSA	C6914
G&J Hall Tools Inc.	N3025
Hougen Manufacturing Inc	C4821
International Technologies Inc	C8111
Kinetic Cutting Systems Inc	C6311
KNUTH Machine Tools USA Inc	C4910
Kong NGAI Precision Metal Mould Shenzhen Co Ltd	C856
Machinery Marketing Intl	C8337
Manufacturing Solutions	C8429
Manufacturing Solutions Inc.	N1509
Masteel America Corp	C3749
Nitto Kohki USA Inc	C1510
Ocean Machinery Inc	C7523
Peddinghaus Corp.	C7723
<b>PTR-Precision Technologies Inc</b>	<b>N5226</b>
Pushcorp Inc	N5934
PythonX-Burlington Automation	C8116
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Baileigh Industrial Inc	C7513
Formdrill USA Inc	C2222
International Technologies Inc	C8111

Kinetic Cutting Systems Inc	C6311
Kong NGAI Precision Metal Mould Shenzhen Co Ltd	C856
Laser Mechanisms Inc	C3810
Peddinghaus Corp	C7723
PythonX-Burlington Automation	C8116

### Drives

Beckhoff Automation	C7545
Emmegi USA Inc	C7323
Hiwin Corp.	C1321
Panasonic Electric Works Corp of America	C7411
<b>Universal Controls Group</b>	<b>C1528</b>
Victory Plasma Systems Inc	N4833

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ELCo Enterprises	N2831
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Enhancement Technologies / Sublitex- Miroglgio	C1561
Strathmore Products Inc	C1955

### E-Commerce/C-Commerce/Web Development

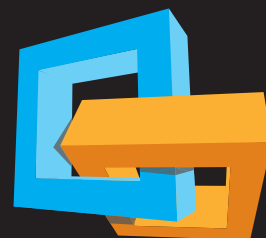
<b>Computers Unlimited</b>	<b>N3315</b>
Dataweld Inc	N2308

### Fabricators & Manufacturers

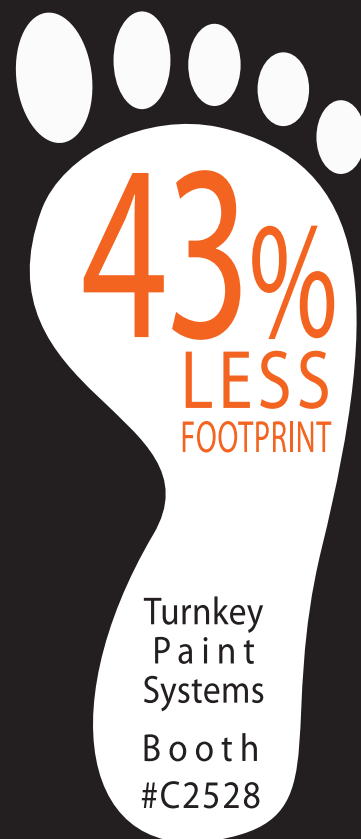
<b>Association</b>	<b>C6538</b>
State of Wyoming	N3133
SteelOrbis	C3751
Technical Translation Services	N2604

### Economic/Industrial Development Services

Arrowhead Manufacturers & Fabricators Assoc	C8242
Expansion Solutions Magazine	C7346
North America Consulting	N6333
North Carolinas Southeast	C8228
Oncor	C4837
Right Corner of Texas	C7337
Site Location Partnership (SLP)	N1406
State of Wyoming	N3133
Temple Economic Development Corp	C7439



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## Edge Finishing Equipment

Almco Inc. ....	C1220
AM Machinery Sales .....	C5528
<b>Apex Machine Group/ SlipCon USA .....</b>	<b>C5528</b>
ASKO Inc. ....	C4810
<b>Athader .....</b>	<b>C5520</b>
CIMID Corp. ....	C8327
Costa & Grissom Machinery Co. ....	C7516
D&H Machinery Inc. ....	C2112
Euromac/Metal Finish LLC .....	C4716
EXEL North America .....	C2264
<b>Fladder-Hansen &amp; Hundebol Inc. ....</b>	<b>C6328</b>
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Hangzhou Xiangsheng Abrasive Machine Manufacturing Co., Ltd. ....	C7142
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Nitto Kohki USA Inc. ....	C1510
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Saar Hartmetall USA LLC .....	N5925
Walter Surface Technologies .....	N2628
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<b>MC Machinery Systems Inc/ Mitsubishi .....</b>	<b>C3040</b>

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Link Systems .....	C909

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Richardson Electronics Ltd .....	C3721
Tapeswitch Corp. ....	C3813
Toledo Integrated Systems .....	C1317
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<b>Universal Controls Group .....</b>	<b>C1528</b>

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Anest Iwata USA Inc. ....	C2746
Eisenmann Corp. ....	C2439
Electrocoat Association, The .....	C2255
<b>George Koch Sons LLC .....</b>	<b>C2521</b>
KCI America Co Ltd .....	C2062
<b>KMI Systems Inc. ....</b>	<b>C2722</b>
<b>Magic Rack/Production Plus Corp. ...</b>	<b>C2724</b>
PKG Equipment Inc. ....	C1953

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Armstrong/Kover Kwick Inc feat NCCM Mill Rolls .....	C7047
Electrocoat Association, The .....	C2255
Nylok LLC. ....	N1624
Zhejiang Changzheng Project Carbon Electrodes Co Ltd .....	N6210

## Electrode Holders

<b>ABICOR Binzel Corp. ....</b>	<b>N5508</b>
<b>ArcOne. ....</b>	<b>N3231</b>
<b>Bernard .....</b>	<b>N5516</b>
C H Symington & Co Inc .....	N2213
Direct Wire & Cable .....	N2519
Genstar Technologies Inc. ....	N2822
Gulco International. ....	N5002
Janda Co Inc. ....	N1924
Jingyu Welding & Cutting Co Ltd. ...	N1608
North (Nanjing) Instrument Technology Industries Group. ....	N3226
Phoenix International Inc. ....	N2328
Southern Copper & Supply .....	N1926
Termmei Torch & Tip Company. ....	N2526
TJ Snow Co. ....	N2613
Washington Alloy Co. ....	N2231
Zhejiang Changzheng Project Carbon Electrodes Co Ltd .....	N6210
ZJ Industries Inc. ....	N2704

## Electrodes (Aluminum)

Bohler Welding Group USA Inc. ....	N2013
COB Industries Inc. ....	N5919
<b>Lincoln Electric Co. ....</b>	<b>N4102, N4113, N4515</b>
LONGEVITY Welding & Cutting Products .....	N5109
MAGMAWELD .....	N1628

Messer MG Welding Products .....	N2408
Uniweld Products Inc. ....	N5113
Washington Alloy Co. ....	N2231

## Electrodes (Cast Iron)

Bohler Welding Group USA Inc. ....	N2013
Broco Inc. ....	N4926
MAGMAWELD .....	N1628
Messer MG Welding Products .....	N2408
Special Metals Welding Products Co. ....	N3118
Uniweld Products Inc. ....	N5113
Washington Alloy Co. ....	N2231

## Electrodes (Copper)

Ampco Metal Inc. ....	C2326
BMM Welding Material Co. ....	N6109
C H Symington & Co Inc. ....	N2213
<b>Centerline (Windsor) Ltd. ....</b>	<b>N1926</b>
<b>Dengensha America Corp. ....</b>	<b>N5722</b>
Dinse Inc. ....	N2717
F & G Tool and Die Co. ....	C1413
Golden Eagle Minmetals(Beijing) Wldg Materials Co. ....	N5800
Janda Co Inc. ....	N1924
Kimberly-Clark Professional .....	N3407
KME Germany GmbH & Co KG .....	N1525
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Messer MG Welding Products .....	N2408
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Ningbo Powerway Alloy Material Co Ltd. ....	N5038
SMK Co Ltd. ....	N1524
Southern Copper & Supply .....	N1926
Sunstone Engineering. ....	N5916
Termmei Torch & Tip Company. ....	N2526
Tianjin Jinlong Welding Material Co Ltd. ....	N6100
TJ Snow Co. ....	N2613
Uniweld Products Inc. ....	N5113
Washington Alloy Co. ....	N2231
ZJ Industries Inc. ....	N2704

## Electrodes (Nickel)

BMM Welding Material Co. ....	N6109
Bohler Welding Group USA Inc. ....	N2013
Broco Inc. ....	N4926
COB Industries Inc. ....	N5919
COR-MET INC. ....	N5534
Haynes International. ....	N1617
JLC Electromet Pvt LLC. ....	N5138
Kennametal Stellite .....	N2528
MAGMAWELD .....	N1628
Messer MG Welding Products .....	N2408
MMC Superalloy Corp. ....	N1826
Ningbo Powerway Alloy	



Material Co Ltd .....	N5038
Sandvik Materials Technology .....	N3019
Special Metals Welding Products Co .....	N3118
Uniweld Products Inc .....	N5113
Washington Alloy Co .....	N2231

### Electrodes (Stainless Steel)

Benxi Guangzheng Tungsten & Molybdenum Co Ltd .....	C456
BMM Welding Material Co .....	N6109
Bohler Welding Group USA Inc. ....	N2013
Changzhou Huatong Welding Industry Co Ltd .....	N6310
COB Industries Inc. ....	N5919
Lincoln Electric Co. . . . .	N4102, N4113, N4515
LONGEVITY Welding & Cutting Products .....	N5109
MAGMAWELD .....	N1628
Messer MG Welding Products .....	N2408
Nevatia Steel & Alloys Pvt LTD. ....	N2824
Sandvik Materials Technology .....	N3019
Uniweld Products Inc .....	N5113
Washington Alloy Co .....	N2231

### Electrodes (Steel)

BMM Welding Material Co .....	N6109
Bohler Welding Group USA Inc. ....	N2013
Broco Inc .....	N4926
Changzhou Huatong Welding Industry Co Ltd .....	N6310
ESAB Welding & Cutting Products .....	N3922, N4122
Hobart Brothers. ....	N5516
Lincoln Electric Co. . . . .	N4102, N4113, N4515
MAGMAWELD .....	N1628
Messer MG Welding Products .....	N2408
Uniweld Products Inc .....	N5113
Washington Alloy Co .....	N2231

### Electrodes (Tungsten)

ABICOR Binzel Corp. ....	N5508
Benxi Guangzheng Tungsten & Molybdenum Co Ltd .....	C456
BMM Welding Material Co .....	N6109
Changzhou Huatong Welding Industry Co Ltd .....	N6310
CK Worldwide .....	N3615
CM Industries Inc .....	N2810
COB Industries Inc. ....	N5919
Diamond Ground Products Inc. ....	N5726
Easy Abrasives LLC .....	N2618
EH Wachs Co. ....	N5713
Intercon Enterprises Inc .....	N3227
Jingyu Welding & Cutting Co Ltd. . .	N1608
MK Products Inc .....	N2804
OKI Bering .....	N4531

Orbitalum Orbital Cutting + Welding .....	N5713
Southern Copper & Supply .....	N1926
Sunstone Engineering .....	N5916
Termmei Torch & Tip Company .....	N2526
Uniweld Products Inc .....	N5113
Weldcraft .....	N5516

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Broco Inc .....	N4926
Environmental Air Solutions .....	N6315
Sandvik Materials Technology .....	N3019

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PTR-Precision Technologies Inc .....	N5226
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Abtex Corp. ....	C7547
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Gerb Vibration Control Systems .....	C852
InterTest Inc. ....	N5824
JIT Automation Inc .....	C756
KoCos America LLC .....	C2223

Lambda Research Optics Inc. ....	C5633
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MJC Engineering & Technology Inc. .	C1156
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Powder Coating Consultants. ....	C2422
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Production Tube Cutting Inc .....	C2215
Sertom Group North America LLC ..	C6911
Shred-Tech Compass Systems .....	C7550
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Unisorb Installation Technologies. . .	C1411
Wila USA. ....	C5709

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American Finishing Resources .....	C1855
Anomatic Corp. ....	C2452
Fabrisonic LLC .....	N6218
Interlaken Technology .....	C947
International Welding Technologies Inc .....	N1724
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Penn United Technologies Inc. ....	C1420
Shercon Inc .....	C2735

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General Fabrications Corp. ....	C2648
George Koch Sons LLC .....	C2521
Global Finishing Solutions .....	C2151
IntelliFinishing. ....	C2528
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Tri-Mer Corp .....	N2615

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DMP Corp .....	C2054
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Pollution Control Products. ....	C2415



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Flexarm Inc . . . . .	C7431
JMR Industrial . . . . .	C3752
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Miller Electric Mfg Co. . . . .	N5213, N5816
Nederman Inc . . . . .	N1604
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C H Symington & Co Inc . . . . .	N2213
Dynatorch Inc . . . . .	N4837
Enutron International . . . . .	C7750
Genstar Technologies Inc . . . . .	N2822
<b>Koike Aronson Inc . . . . .</b>	<b>N4131</b>
Oxylance Inc . . . . .	N2228
Red Rock Automation/Romar/MEC . . . . .	N4805
Westingcut Industrial Technology Anhui Inc . . . . .	N1424

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Ampco Metal Inc . . . . .	C2326
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Starrett Bitewise Measurement Systems . . . . .	C3453
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Carr Lane Manufacturing Co. . . . .	N3036
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Nylok LLC . . . . .	N1624
PennEngineering . . . . .	C1215
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Swagelok Marketing Services Co. . . . .	N3431
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United Global Sourcing Inc . . . . .	C8336
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LORD Corporation . . . . .	N2011
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APEL International . . . . .	N1526
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<b>Col-Met Spray Booths Inc. . . . .</b>	<b>C2537</b>
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Intech Services Inc . . . . .	C2163
Nova Verta USA . . . . .	C1762
Parker domnick hunter . . . . .	N1513
<b>Parker Ionics/Parkwood Engineering . . . . .</b>	<b>C2523</b>
Spray-Tech/Junair . . . . .	C2164
TDC Filter Inc. . . . .	N2622
Wagner Industrial Solutions . . . . .	C1951

## Financing

American Express Open . . . . .	C8233
State of Wyoming . . . . .	N3133

## Finishing Systems Engineering & Installation Services (Systems Houses)

AFC Finishing Systems . . . . .	C2548
Amiberica Inc . . . . .	C1860
<b>Chemical Coaters Assoc Int'l . . . . .</b>	<b>C1948</b>
Daifuku Webb . . . . .	C2425
Decoral System USA Corp . . . . .	C1954
DMP Corp . . . . .	C2054
Eisenmann Corp . . . . .	C2439
EXEL North America . . . . .	C2264
Fostoria Process Equipment . . . . .	C2148
Gema . . . . .	C2750
General Automatic Transfer . . . . .	C2550
General Fabrications Corp. . . . .	C2648
<b>George Koch Sons LLC . . . . .</b>	<b>C2521</b>
Global Finishing Solutions . . . . .	C2151
Haynncorp Industrial Finishing Solutions . . . . .	C2360
<b>IntelliFinishing . . . . .</b>	<b>C2528</b>
KCI America Co Ltd . . . . .	C2062
<b>KMI Systems Inc . . . . .</b>	<b>C2722</b>
Krautzberger LLC . . . . .	C1964
<b>Metcast Service Tech Resources . . . . .</b>	<b>C6946</b>
Midwest Finishing Systems Inc . . . . .	C2526
<b>Nordson Corp . . . . .</b>	<b>C2517</b>
Pangborn Corp. . . . .	C6516
PKG Equipment Inc . . . . .	C1953
Porcelain Enamel Institute Inc . . . . .	C2436
Production Systems Inc. . . . .	C1858
Professional Finishing Systems . . . . .	C8239
Rapid Engineering . . . . .	C2610
Red-Ray Manufacturing Co Inc . . . . .	C2052
Spray-Tech/Junair . . . . .	C2164
Trimac Industrial Systems . . . . .	C2359
Vulcan Catalytic Infrared Oven Systems . . . . .	C2512
Wagner Industrial Solutions . . . . .	C1951

## Flame Cutting Machines

<b>AKS Cutting Systems Inc . . . . .</b>	<b>C5135</b>
Bug-O Systems . . . . .	N4813, N5013
Changzhou Huatong Welding Industry Co Ltd . . . . .	N6310
Dynatorch Inc . . . . .	N4837
<b>ESAB Welding &amp; Cutting Products . . . . .</b>	<b>N3922, N4122</b>
Ficpe Corporation . . . . .	C6550
Flame Technologies Inc. . . . .	N3219
gasgrab.com . . . . .	N3225



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## Flame Cutting Machines

Genstar Technologies Inc . . . . .	N2822
Gullco International . . . . .	N5002
H & M Pipe Beveling Machine Co Inc . . . . .	N3419
Harris Products Group . . . . .	N4509
HGG Profiling Equipment . . . . .	C8127
JETCAM-NestONE Solutions . . . . .	C4722
Kinetic Cutting Systems Inc . . . . .	C6311
<b>Koike Aronson Inc . . . . .</b>	<b>N4131</b>
LONGEVITY Welding & Cutting Products . . . . .	N5109
Mathey Dearman . . . . .	N5710
<b>Messer Cutting Systems . . . . .</b>	<b>C5916</b>
Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd . . . . .	N6007
Peddinghaus Corp . . . . .	C7723
Praxair Inc . . . . .	N5202
Prestige Equipment Corporation . . . . .	C7214
PythonX-Burlington Automation . . . . .	C8116
Red Rock Automation/Romar/MEC . . . . .	N4805
Rhino Cutting Systems . . . . .	N6138
SteelTailor Ltd . . . . .	N4919
Victory Plasma Systems Inc . . . . .	N4833
Westingcut Industrial Technology Anhui Inc . . . . .	N1424

## Flanging Machines

AddisonMckee Inc . . . . .	C2339
CIMID Corp . . . . .	C8327
ESCO Tool Co . . . . .	C5735
Faccin USA Inc . . . . .	C6323
Global Metal Spinning Solutions Inc . . . . .	C934
Haeusler AG . . . . .	C5540
Mathey Dearman . . . . .	N5710
<b>Overton Industries . . . . .</b>	<b>C2225</b>
Peter Prinzing GmbH . . . . .	C5638
PHI . . . . .	C2122
RAS Systems LLC . . . . .	C6921
Sertom Group North America LLC . . . . .	C6911
T-DRILL Industries Inc . . . . .	C2121
<b>Triform Sheet Hydroforming . . . . .</b>	<b>C1226</b>
Trilogy Machinery Inc . . . . .	C5140

## Fluid Processing Components & Systems

Chemtool Inc . . . . .	C660
DMP Corp . . . . .	C2054
ERIEZ . . . . .	C7316
Industrial Innovations Inc . . . . .	C836
Ross Controls . . . . .	C849

## Flux (Gas Welding/Brazing)

<b>ABICOR Binzel Corp . . . . .</b>	<b>N5508</b>
Bay State Surface Technologies . . . . .	N2419
Fusion Inc . . . . .	N3313

Gasflux Co . . . . .	N2833
Golden Eagle Minmetals(Beijing) Wldg Materials Co . . . . .	N5800
LA-CO Industries/Markal . . . . .	N4802
LONGEVITY Welding & Cutting Products . . . . .	N5109
<b>Lucas-Milhaupt Inc . . . . .</b>	<b>N5027</b>
Messer MG Welding Products . . . . .	N2408
Ningbo Powerway Alloy Material Co Ltd . . . . .	N5038
Tianjin Jinlong Welding Material Co Ltd . . . . .	N6100
Washington Alloy Co . . . . .	N2231

## Flux (Soldering)

BMM Welding Material Co . . . . .	N6109
Bohler Welding Group USA Inc . . . . .	N2013
Fusion Inc . . . . .	N3313
Golden Eagle Minmetals(Beijing) Wldg Materials Co . . . . .	N5800
LA-CO Industries/Markal . . . . .	N4802
<b>Lucas-Milhaupt Inc . . . . .</b>	<b>N5027</b>
Messer MG Welding Products . . . . .	N2408
Ningbo Powerway Alloy Material Co Ltd . . . . .	N5038
Uniweld Products Inc . . . . .	N5113
Washington Alloy Co . . . . .	N2231

## Flux (Submerged Arc)

Bohler Welding Group USA Inc . . . . .	N2013
Changzhou Huatong Welding Industry Co Ltd . . . . .	N6310
Corewire Ltd . . . . .	N2910
<b>ESAB Welding &amp; Cutting Products . . . . .</b>	<b>N3922, N4122</b>
Harbert's Products Inc/Allied Flux Reclaiming Ltd . . . . .	N4824
<b>Hobart Brothers . . . . .</b>	<b>N5516</b>
<b>Lincoln Electric Co. . . . .</b>	<b>N4102, N4113, N4515</b>
MAGMAWELD . . . . .	N1628
Sandvik Materials Technology . . . . .	N3019
Special Metals Welding Products Co . . . . .	N3118
Titus Flux Inc/American Welding & Flux . . . . .	N4239
Weld Engineering Co . . . . .	N4818

## Flux Cored Wire

<b>ABICOR Binzel Corp . . . . .</b>	<b>N5508</b>
BMM Welding Material Co . . . . .	N6109
Bohler Welding Group USA Inc . . . . .	N2013
Broco Inc . . . . .	N4926
Changzhou Huatong Welding Industry Co Ltd . . . . .	N6310
Changzhou Zhengyang Welding Material Co Ltd . . . . .	N2306

Corewire Ltd . . . . .	N2910
COR-MET INC . . . . .	N5534
DURUM USA . . . . .	N2316
<b>ESAB Welding &amp; Cutting Products . . . . .</b>	<b>N3922, N4122</b>
<b>Hobart Brothers . . . . .</b>	<b>N5516</b>
Kobelco Welding of America Inc . . . . .	N3938
<b>Lincoln Electric Co. . . . .</b>	<b>N4102, N4113, N4515</b>
<b>Lucas-Milhaupt Inc . . . . .</b>	<b>N5027</b>
MAGMAWELD . . . . .	N1628
Messer MG Welding Products . . . . .	N2408
Ningbo Powerway Alloy Material Co Ltd . . . . .	N5038
Polymet Corp . . . . .	N2313
PT-Mat . . . . .	N3337
Sandvik Materials Technology . . . . .	N3019
Termmei Torch & Tip Company . . . . .	N2526
Tianjin Jinlong Welding Material Co Ltd . . . . .	N6100
Tianjin Xuzhi Machinery & Electrical Equipment Co Ltd . . . . .	N1431
Uniweld Products Inc . . . . .	N5113
Washington Alloy Co . . . . .	N2231
Welding Alloys USA . . . . .	N4917
Winox Industries Ltd . . . . .	N6111

## Flying Cutoff Machines

<b>American Machine &amp; Rollform Tech. . . . .</b>	<b>C5520</b>
<b>Athader . . . . .</b>	<b>C5520</b>
<b>Beck Automation . . . . .</b>	<b>C5520</b>
<b>Bradbury Co., Inc., The . . . . .</b>	<b>C5520</b>
<b>Bradbury Group Australia . . . . .</b>	<b>C5520</b>
<b>Bradbury Group, The . . . . .</b>	<b>C5520</b>
CTD Machines Inc . . . . .	C8423
Formtek Metal Forming & Hill Engineering . . . . .	C3708
Jet . . . . .	C5923
Kent Corp . . . . .	C954, C2128
<b>Marion Die &amp; Fixture Inc. . . . .</b>	<b>C5520</b>
Metform International Ltd . . . . .	C5534
Mill Masters . . . . .	C1533
Passline Performance . . . . .	C2325
<b>Thermatool Corp . . . . .</b>	<b>C2110</b>
<b>Universal Tube &amp; Rollform Equipment Corp . . . . .</b>	<b>C1528</b>

## Folding Machines

Baileigh Industrial Inc . . . . .	C7513
Baykal Makina Sanayi ve Ticaret AS . . . . .	C5940, C5947
<b>Beck Automation . . . . .</b>	<b>C5520</b>
<b>Bradbury Co., Inc., The . . . . .</b>	<b>C5520</b>
<b>Bradbury Group, The . . . . .</b>	<b>C5520</b>
C Marshall Fabrication Machinery . . . . .	C7716
Cidan Machinery Inc . . . . .	C3449
Enutron International . . . . .	C7750



Gasparini SPA .....	C5536
International Technologies Inc .....	C8111
Prestige Equipment Corporation .....	C7214
Prima Power North America Inc .....	C4336
RAS Systems LLC .....	C6921
<b>Triform Sheet Hydroforming .....</b>	<b>C1226</b>

### Foot Switches/Controls/Pedals

ISB Group .....	C4728
Link Systems .....	C909
Tapeswitch Corp .....	C3813

### Free Form Fabrication/Rapid Manufacturing

Fabrisonic LLC .....	N6218
Rimco Equipment .....	N1631
Steelmax Tools .....	N4737

### Frit, Porcelain Enamel

Gema .....	C2750
Midwest Finishing Systems Inc .....	C2526
Porcelain Enamel Institute Inc .....	C2436

### Furnaces

Ambrell Precision Induction Heating .....	C4950
Bolttech Mannings .....	N2326
GH Induction Atmospheres LLC .....	C2323
PDS Bartech Inc. ....	N5917
Pollution Control Products .....	C2415

### Furnaces, Porcelain Enameling

<b>Binks DeVilbiss Ransburg BGK .....</b>	<b>C2532</b>
<b>KMI Systems Inc .....</b>	<b>C2722</b>
Porcelain Enamel Institute Inc .....	C2436

### Furniture Parts & Components

Benxi Guangzheng Tungsten & Molybdenum Co Ltd .....	C456
Fast Rite International .....	C854
Nadella .....	C7150
PDS Bartech Inc. ....	N5917
Peterson Spring .....	C549
United Global Sourcing Inc .....	C8336

### Galvanizing Equipment & Supplies

Armstrong/Kover Kwick Inc feat NCCM Mill Rolls .....	C7047
AZZ Galvanizing Services .....	C5835
Delta Steel Technologies .....	C5952
PKG Equipment Inc .....	C1953
SKM Industries Inc .....	N1717
Tennessee Galvanizing Inc .....	C7113
V&S Galvanizing LLC .....	C7427
Weld-Aid Products .....	N4928

### Garnet Removal Equipment

<b>Barton .....</b>	<b>C4916</b>
Semymx LLC .....	C6347
Techni Waterjet .....	C5128

### Gas Blenders

Airgas Inc .....	N5231
Harris Products Group .....	N4509
IBEDA /Superflash Compressed Gas Equipment Inc .....	N3437
Weldcoa .....	N3238

### Gas Cylinders/Storage Tanks

Airgas Inc .....	N5231
America Fortune Company .....	N1908
Chart Inc .....	N3204
Cyl-Tec Inc .....	N3138
Dataweld Inc .....	N2308
Generon IGS .....	C5547
Matheson .....	N6122
Praxair Inc .....	N5202
Uniweld Products Inc .....	N5113
Weldcoa .....	N3238
Weldship Corp .....	N3033
Western Enterprises .....	N2933

### Gas Distribution & Handling Equipment

Airgas Inc .....	N5231
Chart Inc .....	N3204
gasgrab.com .....	N3225
Generon IGS .....	C5547
Genstar Technologies Inc .....	N2822
Harris Products Group .....	N4509
IBEDA /Superflash Compressed Gas Equipment Inc .....	N3437
Praxair Inc .....	N5202
Red-Ray Manufacturing Co Inc .....	C2052
REXARC International .....	N1515
Superior Products .....	N2517
Weldcoa .....	N3238
Weldship Corp .....	N3033
Western Enterprises .....	N2933
Witt Gas Controls .....	N3124

### Gas Leak De.tection Chemicals

Cantesco .....	N3027
Superior Products .....	N2517
Western Enterprises .....	N2933

### Gases - Cutting

Air Products and Chemicals Inc .....	C3814
Airgas Inc .....	N5231
Chart Inc .....	N3204
Cyl-Tec Inc .....	N3138
Flame Technologies Inc .....	N3219
Generon IGS .....	C5547

Genstar Technologies Inc .....	N2822
Harris Products Group .....	N4509
Matheson .....	N6122
Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd ..	N6007

### Gases - Welding (Fuel)

Air Products and Chemicals Inc .....	C3814
Airgas Inc .....	N5231
Arrowhead Manufacturers & Fabricators Assoc .....	C8242
Chart Inc .....	N3204
Flame Technologies Inc .....	N3219
Genstar Technologies Inc .....	N2822
Harris Products Group .....	N4509
Witt Gas Controls .....	N3124

### Gases - Welding (Shielding/Purging)

Air Products and Chemicals Inc .....	C3814
Airgas Inc .....	N5231
Chart Inc .....	N3204
COB Industries Inc .....	N5919
Generon IGS .....	C5547
Harris Products Group .....	N4509
Matheson .....	N6122
Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd ..	N6007
Praxair Inc .....	N5202
Witt Gas Controls .....	N3124

### Gauging/Back Gauging Systems

Automec Inc .....	C4832
<b>Betenbender Manufacturing Inc .....</b>	<b>C3744</b>
Clark Fixture Technologies .....	C1520
Enutron International .....	C7750
FARO Technologies Inc .....	C7636
Foerster Instruments Inc .....	C1523
TigerStop LLC .....	C7442, C7542

### General Contracting/Construction Services

Bascon Inc .....	C7146
Greenberry Industrial .....	C8140
North America Consulting .....	N6333
Pacific Gas and Electric Company ..	N1407

### Generators - Nitrogen Gas

Parker domnick hunter .....	N1513
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### Generators - Steam/Electrical/Electrochemical

LONGEVITY Welding & Cutting Products .....	N5109
Miller Electric Mfg Co .....	N5213, N5816
Trystar .....	N1818





## Gouging Equipment

Arc Specialties Inc . . . . .	N1610
Broco Inc . . . . .	N4926
Bug-O Systems . . . . .	N4813, N5013
C H Symington & Co Inc . . . . .	N2213
<b>ESAB Welding &amp; Cutting Products . . . . .</b>	<b>N4122</b>
Flame Technologies Inc. . . . .	N3219
Gullco International. . . . .	N5002
Harris Products Group. . . . .	N4509
Jingyu Welding & Cutting Co Ltd . . . . .	N1608
Oxylance Inc . . . . .	N2228
Robotic Technologies of TN . . . . .	N6025
Termmei Torch & Tip Company . . . . .	N2526
Victor Technologies Intl Inc. . . . .	N4522
Zhejiang Changzheng Project Carbon Electrodes Co Ltd . . . . .	N6210

## Government Agencies

Expansion Solutions Magazine. . . . .	C7346
NIST. . . . .	C8421
State of Wyoming. . . . .	N3133

## Grinders - Tool

Alpha Professional Tools. . . . .	N6331
Armstrong/Kover Kwick Inc feat NCCM Mill Rolls . . . . .	C7047
Bosch Power Tool Corp . . . . .	N5006
<b>Boschert Precision Machinery Inc. . . . .</b>	<b>C2820</b>
Chemtool Inc . . . . .	C660
Chicago Pneumatic Tool Co. . . . .	C4750
CS Unitec Inc. . . . .	N5531
Darex LLC . . . . .	C8138
DCM Tech Inc . . . . .	C8346
Diamond Ground Products Inc. . . . .	N5726
Dynabrade Inc . . . . .	C2409
Fastenal Company. . . . .	N5736
Gem Tool Corporation . . . . .	C2320
Joysun Abrasives Co Ltd. . . . .	N3208
KLINGSPOR Abrasives Inc. . . . .	N3135
KNUTH Machine Tools USA Inc . . . . .	C4910
Mate Precision Tooling . . . . .	C3720
Matheson . . . . .	N6122
Metabo Corp . . . . .	N6131
OKI Bering . . . . .	N4531
PFERD INC. . . . .	N5018
Pushcorp Inc . . . . .	N5934
Richard Wolf Industrial . . . . .	N2309
Saar Hartmetall USA LLC . . . . .	N5925
Suhner Industrial Products Inc . . . . .	N3010
Top Cat Air Tools . . . . .	C2361
Unipunch Products Inc. . . . .	C3732
United Abrasives Inc /SAIT. . . . .	N3104
Unitool Punch & Die. . . . .	C4708
Walter Surface Technologies . . . . .	N2628
Wilson Tool International . . . . .	C1013, C5116

## Guide Posts

Anchor Danly. . . . .	C931
Elizabeth Carbide Components. . . . .	C150
Fibro Inc. . . . .	C249
GMT North America . . . . .	C353
SelfLube . . . . .	C558
Superior Die Set Corp . . . . .	C658
Whistler & Sons Inc, SB . . . . .	C4720

## Hand Benders

Eaton Leonard . . . . .	C1723
PHI. . . . .	C2122
Swagelok Marketing Services Co. . . . .	N3431
TaurinGroup USA. . . . .	C1739

## Hand Brakes

Cidan Machinery Inc. . . . .	C3449
KNUTH Machine Tools USA Inc . . . . .	C4910

## Hand Tools

Attexor Clinch Systems SA. . . . .	C5622
Bad Dog Tools . . . . .	N3106
BESSEY Tools North America . . . . .	N4931
Cleveland Steel Tool Co . . . . .	C5522
CS Unitec Inc. . . . .	N5531
Dynabrade Inc . . . . .	C2409
FARO Technologies Inc . . . . .	C7636
Flexarm Inc . . . . .	C7431
Heck Industries . . . . .	C4828
Hougen Manufacturing Inc . . . . .	C4821
International Welding Technologies Inc . . . . .	N1724
Joysun Abrasives Co Ltd. . . . .	N3208
KULLEN - KOTI GmbH . . . . .	N3137
LA-CO Industries/Markal . . . . .	N4802
LENOX . . . . .	C4808
M K Morse Co, The . . . . .	C7109
Master Magnetics. . . . .	C4733
Mercer Abrasives . . . . .	N6016
Michigan Pneumatic Tool Inc . . . . .	N6034
OKI Bering . . . . .	N4531
PFERD INC. . . . .	N5018
<b>Scrape-N-Burr . . . . .</b>	<b>N1316</b>
SKM Industries Inc . . . . .	N1717
<b>Strong Hand Tools. . . . .</b>	<b>N3631</b>
Swagelok Marketing Services Co. . . . .	N3431
Top Cat Air Tools . . . . .	C2361
U-Mark Inc. . . . .	N2406
United Global Sourcing Inc . . . . .	C8336
Wilton . . . . .	N5537

## Hand Tools - Nibbling

Bad Dog Tools . . . . .	N3106
BESSEY Tools North America . . . . .	N4931
Bosch Power Tool Corp . . . . .	N5006
Fein Power Tools Inc . . . . .	N5902
Hydro Carbide Inc . . . . .	C8238

## Hardfacing/Surfacing (Powder Alloys)

AMETEK Specialty Metal Products for Fab . . . . .	C914
Bay State Surface Technologies. . . . .	N2419
Bohler Welding Group USA Inc. . . . .	N2013
Broco Inc . . . . .	N4926
DURUM USA. . . . .	N2316
Harbert's Products Inc/ Allied Flux Reclaiming Ltd . . . . .	N4824
IPG Photonics . . . . .	N3931
Kennametal Stellite . . . . .	N2528
Messer MG Welding Products . . . . .	N2408
MMC Superalloy Corp. . . . .	N1826
PT-Mat. . . . .	N3337
<b>Sulzer Metco US Inc . . . . .</b>	<b>N2413</b>
Technogenia Inc . . . . .	N4924
Victor Technologies Intl Inc. . . . .	N4522

## Hardfacing/Surfacing (Strip Cladding)

Bohler Welding Group USA Inc. . . . .	N2013
Harbert's Products Inc/ Allied Flux Reclaiming Ltd . . . . .	N4824
<b>Kolene Corp. . . . .</b>	<b>C2509</b>
Liaoning Longyuan Industry Co Ltd. . . . .	C455
Sandvik Materials Technology . . . . .	N3019
Victor Technologies Intl Inc. . . . .	N4522

## Hardfacing/Surfacing (Wire)

AMETEK Specialty Metal Products for Fab . . . . .	C914
Bay State Surface Technologies. . . . .	N2419
BMM Welding Material Co . . . . .	N6109
Bohler Welding Group USA Inc. . . . .	N2013
Broco Inc . . . . .	N4926
Changzhou Zhengyang Welding Material Co Ltd. . . . .	N2306
Corewire Ltd . . . . .	N2910
COR-MET INC . . . . .	N5534
DURUM USA . . . . .	N2316
Harbert's Products Inc/ Allied Flux Reclaiming Ltd . . . . .	N4824
<b>Hobart Brothers. . . . .</b>	<b>N5516</b>
Kennametal Stellite . . . . .	N2528
Messer MG Welding Products . . . . .	N2408
MMC Superalloy Corp. . . . .	N1826
Polymet Corp. . . . .	N2313
PT-Mat. . . . .	N3337
Sandvik Materials Technology . . . . .	N3019
<b>Sulzer Metco US Inc . . . . .</b>	<b>N2413</b>
Uniweld Products Inc . . . . .	N5113
Washington Alloy Co . . . . .	N2231
Welding Alloys USA . . . . .	N4917



## Hardfacing/Surfacing Equipment - Finishing

Arc Specialties Inc	N1610
Broco Inc	N4926
DURUM USA	N2316
General Tool	N1622
Gullco International	N5002
Harbert's Products Inc/ Allied Flux Reclaiming Ltd	N4824
IPG Photonics	N3931
LS Industries Inc	C8123
Pandjiris Inc	N4810
Rex-Cut Abrasives	N2708
Rocklin Manufacturing Co	C1433
<b>Sulzer Metco US Inc</b>	<b>N2413</b>
Technogenia Inc	N4924
Welding Alloys USA	N4917

## Heat Exchangers

General Automatic Transfer	C2550
Haynncorp Industrial Finishing Solutions	C2360

## Heat Treating Equipment/ Stress Relieving Equipment

Ambrell Precision Induction Heating	C4950
Bolttech Mannings	N2326
Bonal Technologies Inc	N2924
EFD Induction Inc	C2139
ERIEZ	C7316
Flame Technologies Inc	N3219
GH Induction Atmospheres LLC	C2323
Guspro Inc	C1952
HOT COILS	N5115
Hotfoil EHS Inc	N1319
IonBond	C1010
IPG Photonics	N3931
LS Industries Inc	C8123
Parke Filtration and Separation	C7114
PDS Bartech Inc	N5917
Radyne Corp	N5024
Shijiazhuang Fitex Trading Co Ltd	C159
<b>Thermatool Corp</b>	<b>C2110</b>

## In-Die Assembly

Dongsan Bearing Co	C833
J Tech	C755
Uelner Precision Tools & Dies	C937

## In-Die Tapping

A-G Tool & Die	C920
Anchor Danly	C931
Automated Tapping Systems	C820
Fibro Inc	C249
GMT North America	C353
Pronic Inc	C828

TOP YES Precision Metal Products Co LTD	C1028
Uelner Precision Tools & Dies	C937

## Industrial Partitions & Enclosures

Clean Air Consultants/Filter 1	C2428
Frommelt Safety Products	N4827
<b>Goff's Enterprises Inc</b>	<b>N2625</b>
Hex-Hut Shelter Systems Ltd	N6115
JMR Industrial	C3752
Steiner Industries	N3022
Weldcoa	N3238
Wirecrafters	N1824

## Inhibitors

Cardinal Paint and Powder	C1761
DuBois Chemicals	C2545, C4938
Hubbard-Hall Inc	C2156

## Inspection & Testing - Load Monitoring & Weighing

American Society For Nondestructive Testing	N1615
Bolttech Mannings	N2326
HOT COILS	N5115
Measurement Systems Intl	C7138
OES Inc	C248
Wintriss Controls	C3711

## Inspection & Testing - Quality/ Process Control

Airgas Inc	N5231
American Society For Nondestructive Testing	N1615
BigC: Dino-Lite Scopes	C2055
Bruker Elemental	C7339
Carestream	N2426
Clara Vision	N1706
Creaform 3d	C552
Dakota Ultrasonics	N2624
DCM Tech Inc	C8346
DeFelsko Corp	C2442
Eddytech Systems Inc	C1752
Element Materials Technology	N5936
Fischer Technology Inc	C2711
InterTest Inc	N5824
Ironworkers Management Progressive Action Cooperative Trust (IMPACT)	N3004
Laboratory Testing Inc	C2310
Measurement Systems Intl	C7138
Melttools LLC	N1618
Metallurgical & Materials Technologies Inc	C1535

**Metronor Inc** ..... **C453**

Modern Manufacturing Technologies	C4738
Nikon Metrology Inc	C952
NIST	C8421
Nylok LLC	N1624
OES Inc	C248
Pace Technologies Corp	N2916
Phoenix International Inc	N2328
Powder Coating Consultants	C2422
Richard Wolf Industrial	N2309
Servo-Robot Inc	N5907
Shantou Inst of Ultrasonic Instruments Co Ltd (SIUI)	N2715
Sherwin Inc	N5918
Shijiazhuang Fitex Trading Co Ltd	C159
Southern Stud Weld Inc	N2616
Starrett Bytewise Measurement Systems	C3453
Thermo Scientific Portable XRF Analyzers	C2328
Toledo Blank	C1149
Turck Inc	C1312
Verisurf Software Inc	C7438
Welder Training & Testing Institute	N1533
Xiris Automation Inc	C2312
Zarbeco LLC	C1454

## Inspection/Testing Equipment - Dimensional & Shape/ Measuring

Accurex Measurement Inc	C2125
American Society For Nondestructive Testing	N1615
Clara Vision	N1706
Clark Fixture Technologies	C1520
Dakota Ultrasonics	N2624
FARO Technologies Inc	C7636
GE Measurement & Control	N3222
Horn Machine Tools Inc	C1734
Meta Vision Systems Inc	N5015
Metallurgical & Materials Technologies Inc	C1535
<b>Metronor Inc</b>	<b>C453</b>
Mill Masters	C1533
Modern Manufacturing Technologies	C4738
Prodim USA	C8521
Servo-Robot Inc	N5907
Shijiazhuang Fitex Trading Co Ltd	C159
Starrett Bytewise Measurement Systems	C3453



### Inspection/Testing Equipment - Finishing

ACT Test Panels LLC	C2434
American Society For Nondestructive Testing	N1615
Brandt Engineered Products Ltd	C1755
DeFelsko Corp	C2442
Elcometer Inc	N3126
<b>ElektroPhysik USA Inc</b>	<b>C2053</b>
Fischer Technology Inc	C2711
<b>Mighty Hook Inc</b>	<b>C2420</b>
Powder Coating	C2356
Richard Wolf Industrial	N2309
Zarbeco LLC	C1454

### Inspection/Testing Equipment - Hardness

American Society For Nondestructive Testing	N1615
Bolttech Mannings	N2326
Clara Vision	N1706
Elcometer Inc	C2152
Elcometer Inc	N3126
<b>ElektroPhysik USA Inc</b>	<b>C2053</b>
Fischer Technology Inc	C2711
Foerster Instruments Inc	C1523
Innerspec Technologies	N2217
Metallurgical & Materials Technologies Inc	C1535
Pace Technologies Corp	N2916
Shijiazhuang Fitex Trading Co Ltd	C159
TCT Stainless Steel Inc	C1058

### Inspection/Testing Equipment - Leak/Hydrostatic

American Society For Nondestructive Testing	N1615
Brandt Engineered Products Ltd	C1755
Fives Bronx Inc	C1514
Interlaken Technology	C947
Metallurgical & Materials Technologies Inc	C1535
Mill Masters	C1533
Shijiazhuang Fitex Trading Co Ltd	C159

### Inspection/Testing Equipment - Pressure/Force

Carestream	N2426
Interlaken Technology	C947
Measurement Systems Intl	C7138
Metallurgical & Materials Technologies Inc	C1535
OES Inc	C248

### Inspection/Testing Equipment - Sheet Metal

American Society For Nondestructive Testing	N1615
Clark Fixture Technologies	C1520
Dakota Ultrasonics	N2624
Elcometer Inc	C2152
Innerspec Technologies	N2217
Interlaken Technology	C947
Metallurgical & Materials Technologies Inc	C1535
<b>Metronor Inc</b>	<b>C453</b>
Modern Manufacturing Technologies	C4738
Starrett Bytewise Measurement Systems	C3453

### Inspection/Testing Equipment - Surface Finish

American Society For Nondestructive Testing	N1615
DeFelsko Corp	C2442
Elcometer Inc	N3126
Foerster Instruments Inc	C1523
Ketec Precision Tooling Co LTD	C3834
Pace Technologies Corp	N2916
Richard Wolf Industrial	N2309
Robotic Technologies of TN	N6025
Shijiazhuang Fitex Trading Co Ltd	C159
TCT Stainless Steel Inc	C1058
Zarbeco LLC	C1454

### Inspection/Testing Equipment - Temperature

DeFelsko Corp	C2442
IMPACT Engineering Inc	N5108
LA-CO Industries/Markal	N4802
Tempil an ITW Company	N5815

### Inspection/Testing Equipment - Tube/Pipe

Accurex Measurement Inc	C2125
Advanced Tubular Technologies Inc	C1556
BLM GROUP USA Corp	C1717
Brandt Engineered Products Ltd	C1755
Carestream	N2426
Chiyoda Kogyo-Maruka USA	C2134
Clark Fixture Technologies	C1520
Dakota Ultrasonics	N2624
Eaton Leonard	C1723
Eddytech Systems Inc	C1752
Elcometer Inc	C2152
Fives Bronx Inc	C1514
Foerster Instruments Inc	C1523
IMPACT Engineering Inc	N5108
Innerspec Technologies	N2217
Intercon Enterprises Inc	N3227

Interlaken Technology	C947
InterTest Inc	N5824
Meta Vision Systems Inc	N5015
Metallurgical & Materials Technologies Inc	C1535
<b>Metronor Inc</b>	<b>C453</b>
OES Inc	C248
Olympus NDT	N1613
Richard Wolf Industrial	N2309
Servo-Robot Inc	N5907
Starrett Bytewise Measurement Systems	C3453
Xiris Automation Inc	C2312

### Inspection/Testing Services

Accurex Measurement Inc	C2125
ACT Test Panels LLC	C2434
American Society For Nondestructive Testing	N1615
Brandt Engineered Products Ltd	C1755
Carestream	N2426
Clark Fixture Technologies	C1520
FARO Technologies Inc	C7636
Laboratory Testing Inc	C2310
Modern Manufacturing Technologies	C4738
North America Consulting	N6333
OES Inc	C248
PDS Bartech Inc	N5917
Powder Coating Consultants	C2422
Starrett Bytewise Measurement Systems	C3453
Thermo Scientific Portable XRF Analyzers	C2328
Welder Training & Testing Institute	N1533
Wheelabrator Group	C7121

### Insurance/Workers Compensation Services

<b>CNA Insurance</b>	<b>C7247</b>
Sentry Insurance	C4926
Travelers Companies Inc	C3734

### Inventory Management

<b>Beck Automation</b>	<b>C5520</b>
Fast Rite International	C854
Fastenal Company	N5736
Ficep Corporation	C6550
Machinery Marketing Intl	C8337
North America Consulting	N6333
Packsize LLC	C1336
Taylor Enterprises Inc	C347

### Ironworkers

C Marshall Fabrication Machinery	C7716
Cleveland Punch & Die Co	C5711





Cleveland Steel Tool Co	C5522
COMEQ Inc	C5125
Durma USA	C3949
Edwards Manufacturing Co	C7116
Ermak USA	C3447
Haco Atlantic Inc.	C3440
JMT USA	C5047
Manufacturing Solutions	C8429
Marvel Manufacturing Co.	C6316
Masteel America Corp	C3749
MegaFab-Piranha-Whitney-Bertsch	C5113
Peddinghaus Corp	C7723
Scotchman Industries Inc	C4923
Trilogy Machinery Inc	C5140
Uni-Hydro Inc.	C8537
US Industrial Machinery Co	C3049

**Job Shop Finishing Services - Paint/Powder**

BUWW Coverings Inc	C7320
Combustion and Systems Inc	C2411
Electrocoat Association, The	C2255
Glenn Metalcraft Inc.	C1034
Keyland Polymer Ltd	C2063
Lucky Harvest Co Ltd.	C958
Nylok LLC	N1624
Pneu-Mech Systems Manufacturing Inc.	C2539
Rohner	C2550
West Virginia Development Office	C7123

**Job Shop Finishing Services - Platers/Anodizers**

Anomatic Corp.	C2452
Ningbo Hi-Tech Moldie Machinery Co Ltd	C356

**Job Shop/ Contract Manufacturing Services - Stamping - Multi Slide**

Fast Rite International.	C854
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**Job Shop/Contract Manufacturing Services - Assembling**

American Roll Form	C5038
Anchor Danly	C931
Anomatic Corp.	C2452
Arrowhead Manufacturers & Fabricators Assoc	C8242
Atlantic Tool & Die Co.	C1155
Bowlin Engineering	C4838
Brandt Engineered Products Ltd	C1755
Fast Rite International.	C854
Feed Lease Corp	C928
Felton Inc.	C7112

Global Precision Parts Inc	C2213
IMPACT Engineering Inc	N5108
Lucky Harvest Co Ltd.	C958
Magnetic Products Inc	C5510
Ningbo Hi-Tech Moldie Machinery Co Ltd	C356
Ohio Laser LLC	C1511
Penn United Technologies Inc.	C1420
Production Tube Cutting Inc	C2215

Samson Roll Formed Products Co	C6350
Superior Die Set Corp	C658
Tennessee Galvanizing Inc	C7113
Trans-Matic Mfg Co Inc	C1011
United Global Sourcing Inc	C8336
Vacco Industries	C8431
West Virginia Development Office	C7123
Wysong Parts and Service	C1023
York Portable Machine Tools	N2925

**Fed up with the inconsistencies of 4140?**

The main bearing end caps are a critical component for high horsepower NASCAR engines. We have to certify through hardness of HRC 30 minimum. After machining the part, we test the hardness at the point that was the center of the original plate.

"With 4140 pre heat treated we had inconsistencies. It was common to have a surface hardness of HRC 30 or more, and an internal hardness of HRC of 28 or less - and therefore, a high scrap rate. Since switching to Toolox 33, our scrap has been eliminated. And, uniform through hardness of HRC 30+ is consistent. The improved stability and machinability are just added bonus."

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### Job Shop/Contract Manufacturing Services - Bending & Forming

Acrotech	C8213
A-G Tool & Die	C920
Alabama Laser	N6322
American Finishing Resources	C1855
American Roll Form	C5038
ARKU Coil Systems Inc	C7528
Arrowhead Manufacturers & Fabricators Assoc	C8242
Atlantic Tool & Die Co	C1155
BUWW Coverings Inc	C7320
CIECO Inc	C1334
Enutron International	C7750
Felton Inc	C7112
Interlaken Technology	C947
Lapham-Hickey Steel Corp	C840
Lucky Harvest Co Ltd	C958
Magnetic Products Inc	C5510
Ohio Laser LLC	C1511
Paramount Innovative Mfg	C2137
Premier Tooling & Mfg Inc	C1032
Production Tube Cutting Inc	C2215
R&B Machining Inc	C2124
Samson Roll Formed Products Co	C6350
Superform USA	C1060
TaurinGroup USA	C1739
Team Industries Inc	N2929
Tools for Bending	C2309
Ultratech Tool & Design Inc	C1332
Vacco Industries	C8431
West Virginia Development Office	C7123
Wysong Parts and Service	C1023

### Job Shop/Contract Manufacturing Services - Coating/Painting/Plating

BUWW Coverings Inc	C7320
Electrocoat Association,The	C2255
Felton Inc	C7112
Hayden Corp	N2409
Identification Plates Inc	C8340
IonBond	C1010
Metallizing Equipment Co PVT LTD	N2417
Ningbo Hi-Tech Moldie Machinery Co Ltd	C356
Penn United Technologies Inc	C1420
Precious Plate Inc	C2353
St Louis Metallizing Co	N2315
Team Industries Inc	N2929
Technogenia Inc	N4924
Vacco Industries	C8431
West Virginia Development Office	C7123

### Job Shop/Contract Manufacturing Services - Coil/ Toll Processing

Douglas Steel Supply Co	C5747
Erickson Metals Corp	C1035
Lapham-Hickey Steel Corp	C840
Measurement Systems Intl	C7138
O'Neal Flat Rolled Metals	C8331
Toledo Blank	C1149
United Aluminum Corp	C809
United Performance Metals	C1157

### Job Shop/Contract Manufacturing Services - Cutting

Anchor Danly	C931
Arrowhead Manufacturers & Fabricators Assoc	C8242
Darex LLC	C8138
Douglas Steel Supply Co	C5747
Felton Inc	C7112
Halifax Rack & Screw	C7310
II-VI Infrared	C4924
KMT Waterjet Systems Inc	C6334
Lapham-Hickey Steel Corp	C840
Ohio Laser LLC	C1511
Ophir Optics Inc	C3846
Passline Performance	C2325
Production Tube Cutting Inc	C2215
Robotmaster-In-House Solutions Inc	N5933
Semyx LLC	C6347
Superior Die Set Corp	C658
Team Industries Inc	N2929
United Performance Metals	C1157
West Virginia Development Office	C7123
Wysong Parts and Service	C1023

### Job Shop/Contract Manufacturing Services - EDM Die Manufacturing

Chelar Tool & Die Inc	C349
Elizabeth Carbide Components	C150
Moeller Precision Tool	C1020
Passline Performance	C2325
Penn United Technologies Inc	C1420
Ultratech Tool & Design Inc	C1332
Victory Tool	C246
Whistler & Sons Inc, SB	C4720

### Job Shop/Contract Manufacturing Services - Heat Treating

Alabama Laser	N6322
HOT COILS	N5115
PDS Bartech Inc	N5917

Solar Atmospheres of California	C923
Superior Die Set Corp	C658
Team Industries Inc	N2929
West Virginia Development Office	C7123

### Job Shop/Contract Manufacturing Services - Hot Dip Galvanizing

Shijiazhuang Fitex Trading Co Ltd	C159
Tennessee Galvanizing Inc	C7113
V&S Galvanizing LLC	C7427

### Job Shop/Contract Manufacturing Services - Hydroforming

Interlaken Technology	C947
Trans-Matic Mfg Co Inc	C1011

### Job Shop/Contract Manufacturing Services - Injection Molding

Felton Inc	C7112
Industrial Molded Rubber Products	C4723
Ningbo Hi-Tech Moldie Machinery Co Ltd	C356

### Job Shop/Contract Manufacturing Services - Laser Cutting

Advanced Laser Services LLC	C5634
Alabama Laser	N6322
Arrowhead Manufacturers & Fabricators Assoc	C8242
Bowlin Engineering	C4838
BUWW Coverings Inc	C7320
Chart Inc	N3204
Econco/CPI	C3712
Enutron International	C7750
Epilog Laser Corp	C7350
II-VI Infrared	C4924
Lapham-Hickey Steel Corp	C840
Laserage Technology Corp	N3209
Magnetic Products Inc	C5510
Ohio Laser LLC	C1511
OR Lasertechnology Inc	C7345
Paramount Innovative Mfg	C2137
Robotmaster-In-House Solutions Inc	N5933
United Performance Metals	C1157
Vacco Industries	C8431
West Virginia Development Office	C7123
Wirecrafters	N1824



### Job Shop/Contract Manufacturing Services - Laser Drilling

II-VI Infrared .....	C4924
Laserage Technology Corp .....	N3209
Vacco Industries .....	C8431

### Job Shop/Contract Manufacturing Services - Laser Marking

Alabama Laser .....	N6322
Epilog Laser Corp .....	C7350
Identification Plates Inc. ....	C8340
II-VI Infrared .....	C4924
Moeller Precision Tool .....	C1020
OR Lasertechnology Inc. ....	C7345
Vacco Industries .....	C8431
Weldlogic Inc .....	N5826

### Job Shop/Contract Manufacturing Services - Laser Processing

AltaMAR Inc .....	C1522
II-VI Infrared .....	C4924
Ohio Laser LLC .....	C1511

### Job Shop/Contract Manufacturing Services - Laser Tube Cutting

AltaMAR Inc .....	C1522
Laserage Technology Corp .....	N3209
Ohio Laser LLC .....	C1511
Paramount Innovative Mfg .....	C2137

### Job Shop/Contract Manufacturing Services - Laser Welding

Alabama Laser .....	N6322
AltaMAR Inc .....	C1522
Electron Beam Engineering Inc. ....	N3306
Hayden Corp .....	N2409
II-VI Infrared .....	C4924
Laserage Technology Corp .....	N3209
RPMC Lasers .....	C8411
St Louis Metallizing Co. ....	N2315
Stripmatic Products Inc. ....	C1415
Trans-Matic Mfg Co Inc .....	C1011
Vacco Industries .....	C8431

### Job Shop/Contract Manufacturing Services - Machining

Acrotech .....	C8213
A-G Tool & Die .....	C920
Anchor Danly .....	C931

Arrowhead Manufacturers & Fabricators Assoc .....	C8242
BesTech Tool Corp .....	C921
Bolttech Mannings .....	N2326
Bowlin Engineering .....	C4838
Brandt Engineered Products Ltd ....	C1755
Butech Bliss .....	C5532
<b>Chelar Tool &amp; Die Inc .....</b>	<b>C349</b>
China National Aero Technology IE Hangzhou Co .....	C160
Cleveland Steel Tool Co .....	C5522
Elizabeth Carbide Components .....	C150
F & G Tool and Die Co .....	C1413
Felton Inc. ....	C7112
Gem Tool Corporation .....	C2320
Glenn Metalcraft Inc. ....	C1034
Global Precision Parts Inc. ....	C2213
Halifax Rack & Screw .....	C7310
Hayden Corp .....	N2409
Magnetic Products Inc .....	C5510
Ningbo Hi-Tech Moldie Machinery Co Ltd .....	C356
Ohio Laser LLC .....	C1511
P&G Fluid Power Inc .....	C1320
Pacific Aerospace & Electronics ....	N1607
Paramount Innovative Mfg .....	C2137
Passline Performance .....	C2325
<b>Penn United Technologies Inc. ....</b>	<b>C1420</b>
Precision Punch Corp. ....	C1432
Premier Tooling & Mfg Inc .....	C1032
Robotmaster-In-House Solutions Inc. ....	N5933
Superior Die Set Corp. ....	C658
Superior Products .....	N2517
United Global Sourcing Inc. ....	C8336
Vacco Industries .....	C8431
West Virginia Development Office ..	C7123
Western Enterprises .....	N2933
Whistler & Sons Inc, SB .....	C4720
Wysong Parts and Service .....	C1023
York Portable Machine Tools .....	N2925

### Job Shop/Contract Manufacturing Services - Metal Finishing

<b>Chemical Coaters Assoc Int'l .....</b>	<b>C1948</b>
KLINGSPOR Abrasives Inc. ....	N3135
Shenzhen Huayuanda Technology Co Ltd .....	C949
Tennessee Galvanizing Inc .....	C7113

### Job Shop/Contract Manufacturing Services - Metal Spinning

Glenn Metalcraft Inc. ....	C1034
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Global Metal Spinning Solutions Inc .....	C934
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### Job Shop/Contract Manufacturing Services - Plasma Cutting

Arrowhead Manufacturers & Fabricators Assoc .....	C8242
Glenn Metalcraft Inc. ....	C1034
<b>Lapham-Hickey Steel Corp .....</b>	<b>C840</b>
PythonX-Burlington Automation ....	C8116
Semyx LLC .....	C6347
West Virginia Development Office ..	C7123
Wysong Parts and Service .....	C1023

### Job Shop/Contract Manufacturing Services - Punching

Alabama Laser .....	N6322
American Roll Form .....	C5038
ARKU Coil Systems Inc .....	C7528
Arrowhead Manufacturers & Fabricators Assoc .....	C8242
China National Aero Technology IE Hangzhou Co .....	C160
Felton Inc. ....	C7112
Identification Plates Inc. ....	C8340
Ketec Precision Tooling Co LTD. ....	C3834
Magnetic Products Inc .....	C5510
Ningbo Hi-Tech Moldie Machinery Co Ltd .....	C356
Nitto Kohki USA Inc .....	C1510
Production Tube Cutting Inc .....	C2215
Samson Roll Formed Products Co ...	C6350
Trans-Matic Mfg Co Inc .....	C1011
Ultratech Tool & Design Inc .....	C1332
Uni-Hydro Inc. ....	C8537
West Virginia Development Office ..	C7123
Whistler & Sons Inc, SB .....	C4720

### Job Shop/Contract Manufacturing Services - Roll Forming

American Roll Form .....	C5038
<b>Bradbury Co., Inc., The .....</b>	<b>C5520</b>
<b>Bradbury Group, The .....</b>	<b>C5520</b>
China National Aero Technology IE Hangzhou Co .....	C160
Douglas Steel Supply Co. ....	C5747
Felton Inc. ....	C7112
Ketec Precision Tooling Co LTD. ....	C3834
<b>Lucas-Milhaupt Inc .....</b>	<b>N5027</b>
Passline Performance .....	C2325
Premier Tooling & Mfg Inc .....	C1032
Samson Roll Formed Products Co ...	C6350





**Job Shop/Contract  
Manufacturing Services -  
Roll Forming**

- Starrett Bytewise
- Measurement Systems . . . . . C3453
- West Virginia Development Office . . . C7123

**Job Shop/Contract  
Manufacturing Services -  
Stamping - Deep Drawing**

- Anomatic Corp. . . . . C2452
- BesTech Tool Corp. . . . . C921
- F & G Tool and Die Co. . . . . C1413
- Fast Rite International. . . . . C854
- Forming Technologies Inc . . . . . C1421
- ITW Sexton . . . . . C1061
- Lucky Harvest Co Ltd. . . . . C958
- Ningbo Hi-Tech Moldie  
Machinery Co Ltd . . . . . C356
- Precision Stamping Products . . . . . C1158
- Superform USA . . . . . C1060
- Trans-Matic Mfg Co Inc . . . . . C1011
- Uelner Precision Tools & Dies. . . . . C937
- Ultratech Tool & Design Inc . . . . . C1332
- United Global Sourcing Inc. . . . . C8336

**Job Shop/Contract  
Manufacturing Services -  
Stamping - Fine Blanking**

- American Roll Form. . . . . C5038
- China National Aero  
Technology IE Hangzhou Co . . . . . C160
- Fast Rite International. . . . . C854
- Felton Inc. . . . . C7112
- Magnetic Products Inc . . . . . C5510
- Samson Roll Formed Products Co. . . . C6350
- TaurinGroup USA. . . . . C1739
- United Global Sourcing Inc. . . . . C8336
- Weil Engineering North America . . . C8209

**Job Shop/Contract  
Manufacturing Services -  
Stamping - Four Slide**

- Clips & Clamps Industries. . . . . C148
- F & G Tool and Die Co. . . . . C1413
- Fast Rite International. . . . . C854

**Job Shop/Contract  
Manufacturing Services -  
Stamping - High Speed**

- Fast Rite International. . . . . C854
- Felton Inc. . . . . C7112
- Lucky Harvest Co Ltd. . . . . C958
- Penn United Technologies Inc. . . . . C1420
- Precision Stamping Products . . . . . C1158
- Trans-Matic Mfg Co Inc . . . . . C1011
- Whistler & Sons Inc, SB . . . . . C4720

**Job Shop/Contract  
Manufacturing Services -  
Stamping - Multi Slide**

- Clips & Clamps Industries. . . . . C148
- F & G Tool and Die Co. . . . . C1413

**Job Shop/Contract  
Manufacturing Services -  
Stamping - Progressive**

- A-G Tool & Die . . . . . C920
- Atlantic Tool & Die Co. . . . . C1155
- BesTech Tool Corp. . . . . C921
- Chelar Tool & Die Inc . . . . . C349
- Clips & Clamps Industries. . . . . C148
- F & G Tool and Die Co. . . . . C1413
- Fast Rite International. . . . . C854
- Forming Technologies Inc . . . . . C1421
- Lucky Harvest Co Ltd. . . . . C958
- Penn United Technologies Inc. . . . . C1420
- Precision Stamping Products . . . . . C1158
- Stripmatic Products Inc. . . . . C1415
- Toledo Blank . . . . . C1149
- Trans-Matic Mfg Co Inc . . . . . C1011
- Uelner Precision Tools & Dies. . . . . C937
- Ultratech Tool & Design Inc . . . . . C1332
- Whistler & Sons Inc, SB . . . . . C4720

**Job Shop/Contract  
Manufacturing Services -  
Stamping - Single Stroke**

- A-G Tool & Die . . . . . C920
- Atlantic Tool & Die Co. . . . . C1155
- Chelar Tool & Die Inc . . . . . C349
- Fast Rite International. . . . . C854
- Felton Inc. . . . . C7112
- Forming Technologies Inc . . . . . C1421
- Lucky Harvest Co Ltd. . . . . C958
- Penn United Technologies Inc. . . . . C1420
- Precision Stamping Products . . . . . C1158
- Ultratech Tool & Design Inc . . . . . C1332

**Job Shop/Contract  
Manufacturing Services -  
Stamping - Transfer**

- A-G Tool & Die . . . . . C920
- Atlantic Tool & Die Co. . . . . C1155
- BesTech Tool Corp. . . . . C921
- Fast Rite International. . . . . C854
- Forming Technologies Inc . . . . . C1421
- Lucky Harvest Co Ltd. . . . . C958
- Stripmatic Products Inc. . . . . C1415
- Trans-Matic Mfg Co Inc . . . . . C1011
- Uelner Precision Tools & Dies. . . . . C937

**Job Shop/Contract  
Manufacturing Services - T/P  
Bending & Forming**

- A-G Tool & Die . . . . . C920
- American Roll Form. . . . . C5038
- Atlantic Tool & Die Co. . . . . C1155
- Midwest Bender Services Corp . . . . C1728
- Paramount Innovative Mfg . . . . . C2137
- Production Tube Cutting Inc . . . . . C2215
- R&B Machining Inc. . . . . C2124
- Samson Roll Formed Products Co. . . . C6350
- Schuler Incorporated. . . . . C917
- TaurinGroup USA. . . . . C1739
- Trans-Matic Mfg Co Inc . . . . . C1011
- Weil Engineering North America . . . C8209

**Job Shop/Contract  
Manufacturing Services - T/P  
End Forming/Sizing**

- A-G Tool & Die . . . . . C920
- Atlantic Tool & Die Co. . . . . C1155
- Overton Industries. . . . . C2225
- Production Tube Cutting Inc . . . . . C2215
- R&B Machining Inc. . . . . C2124
- Stripmatic Products Inc. . . . . C1415
- Team Industries Inc. . . . . N2929
- Trans-Matic Mfg Co Inc . . . . . C1011

**Job Shop/Contract  
Manufacturing Services - Tool  
Surface Treatment**

- Alabama Laser . . . . . N6322
- COR-MET INC . . . . . N5534
- Darex LLC . . . . . C8138

**Job Shop/Contract  
Manufacturing Services -  
Waterjet Cutting**

- Arrowhead Manufacturers &  
Fabricators Assoc . . . . . C8242
- BesTech Tool Corp. . . . . C921
- Glenn Metalcraft Inc. . . . . C1034
- Penn United Technologies Inc. . . . . C1420
- Robotmaster-In-House  
Solutions Inc. . . . . N5933
- Semyx LLC. . . . . C6347
- West Virginia Development Office . . C7123

**Job Shop/Contract  
Manufacturing Services -  
Welding - Laser Welding**

- Alabama Laser . . . . . N6322
- AltaMAR Inc . . . . . C1522
- Changzhou Wujin Golden Globe Welding  
& Cutting Machinery Co Ltd . . . . . N5900
- Cyl-Tec Inc . . . . . N3138



Electron Beam Engineering Inc . . . . .	N3306
Pacific Aerospace & Electronics . . . . .	N1607
St Louis Metallizing Co. . . . .	N2315
Stripmatic Products Inc. . . . .	C1415
Trans-Matic Mfg Co Inc . . . . .	C1011
Vacco Industries . . . . .	C8431

**Job Shop/Contract  
Manufacturing Services -  
Welding - Mig Welding**

Arrowhead Manufacturers & Fabricators Assoc . . . . .	C8242
Atlantic Tool & Die Co. . . . .	C1155
Changzhou Wujin Golden Globe Welding & Cutting Machinery Co Ltd . . . . .	N5900
Cyl-Tec Inc . . . . .	N3138
Glenn Metalcraft Inc. . . . .	C1034
Hotfoil EHS Inc . . . . .	N1319
<b>Lapham-Hickey Steel Corp . . . . .</b>	<b>C840</b>
Meltric Corp . . . . .	N4826
Ningbo Hi-Tech Moldie Machinery Co Ltd . . . . .	C356
Nylok LLC. . . . .	N1624
Ohio Laser LLC. . . . .	C1511
Paramount Innovative Mfg . . . . .	C2137
REXARC International . . . . .	N1515
Welding Alloys USA . . . . .	N4917
West Virginia Development Office . .	C7123

**Job Shop/Contract  
Manufacturing Services -  
Welding - Resistance Welding**

Atlantic Tool & Die Co. . . . .	C1155
Electron Beam Engineering Inc. . . . .	N3306
Glenn Metalcraft Inc. . . . .	C1034
ITW Sexton . . . . .	C1061
Janda Co Inc . . . . .	N1924
Trans-Matic Mfg Co Inc . . . . .	C1011
Vacco Industries . . . . .	C8431

**Job Shop/Contract  
Manufacturing Services -  
Welding - Robotic Welding**

Alabama Laser . . . . .	N6322
Anchor Danly. . . . .	C931
Atlantic Tool & Die Co. . . . .	C1155
Glenn Metalcraft Inc. . . . .	C1034
Hayden Corp . . . . .	N2409
<b>Lapham-Hickey Steel Corp . . . . .</b>	<b>C840</b>
Lucky Harvest Co Ltd. . . . .	C958
Ohio Laser LLC. . . . .	C1511
Robotmaster-In-House Solutions Inc. . . . .	N5933
Stripmatic Products Inc. . . . .	C1415

**Job Shop/Contract  
Manufacturing Services -  
Welding - Seam/Spot Welding**

Glenn Metalcraft Inc. . . . .	C1034
Lucky Harvest Co Ltd. . . . .	C958
Meltric Corp . . . . .	N4826
Stripmatic Products Inc. . . . .	C1415
West Virginia Development Office . .	C7123

**Job Shop/Contract  
Manufacturing Services -  
Welding/Brazing**

Alabama Laser . . . . .	N6322
American Roll Form. . . . .	C5038
Anchor Danly. . . . .	C931
Atlantic Tool & Die Co. . . . .	C1155
Bowlin Engineering. . . . .	C4838
Cyl-Tec Inc. . . . .	N3138
Electron Beam Engineering Inc. . . . .	N3306
Fusion Inc . . . . .	N3313
International Welding Technologies Inc . . . . .	N1724
<b>Lucas-Milhaupt Inc . . . . .</b>	<b>N5027</b>
Magnetic Products Inc . . . . .	C5510
Ohio Laser LLC. . . . .	C1511
OR Lasertechnology Inc. . . . .	C7345
Premier Tooling & Mfg Inc . . . . .	C1032
<b>PTR-Precision Technologies Inc . . . . .</b>	<b>N5226</b>
REXARC International . . . . .	N1515
Solar Atmospheres of California. . . . .	C923
Superior Die Set Corp. . . . .	C658
Team Industries Inc. . . . .	N2929
Technogenia Inc . . . . .	N4924
Weil Engineering North America . . .	C8209
Weldlogic Inc . . . . .	N5826
West Virginia Development Office . .	C7123
Western Enterprises . . . . .	N2933
York Portable Machine Tools . . . . .	N2925

**Job Shop/Contract  
Manufacturing Services -  
Wire Forming**

American Finishing Resources . . . . .	C1855
Clips & Clamps Industries. . . . .	C148
Felton Inc. . . . .	C7112
<b>Lucas-Milhaupt Inc . . . . .</b>	<b>N5027</b>
<b>Mighty Hook Inc . . . . .</b>	<b>C2420</b>
United Global Sourcing Inc. . . . .	C8336

**Knives & Blades**

<b>American Machine &amp; Rollform Tech. .</b>	<b>C5520</b>
American Punch Co. . . . .	C5026
ASKO Inc . . . . .	C4810
BandSawParts.com. . . . .	C7538
BESSEY Tools North America . . . . .	N4931
<b>Betenbender Manufacturing Inc. . . . .</b>	<b>C3744</b>

California Cold Saw . . . . .	C7240
Cleveland Punch & Die Co . . . . .	C5711
DoALL Sawing Products . . . . .	C7713
Doringer Cold Saws . . . . .	C4913
Eberle America Inc . . . . .	C8312
Enutron International . . . . .	C7750
Gem Tool Corporation . . . . .	C2320
Haas Saw & Supply . . . . .	C1535
Haberle / Ken Bergman & Assoc LLC .	C7137
Hydro Carbide Inc . . . . .	C8238
M K Morse Co, The. . . . .	C7109
Mill Masters . . . . .	C1533
Roll Machining Technologies & Solutions . . . . .	C1526
Saar Hartmetall USA LLC . . . . .	N5925
T&H Lemont . . . . .	C2117
Trilogy Machinery Inc . . . . .	C5140

**Lacquers**

Cardinal Paint and Powder . . . . .	C1761
Strathmore Products Inc . . . . .	C1955

**Laser Cladding**

Alabama Laser . . . . .	N6322
Coherent Inc . . . . .	C7309
Frommelt Safety Products. . . . .	N4827
Hayden Corp . . . . .	N2409
<b>LaserStar Technologies Corp . . . . .</b>	<b>C5647</b>
RPMC Lasers . . . . .	C8411
St Louis Metallizing Co. . . . .	N2315
<b>Sulzer Metco US Inc. . . . .</b>	<b>N2413</b>
<b>TeraDiode Inc . . . . .</b>	<b>C8523</b>
Wayne Trail, a Lincoln Electric Company . . . . .	N4513

**Laser Cutting Machines**

Advanced Laser Services LLC . . . . .	C5634
<b>AKS Cutting Systems Inc . . . . .</b>	<b>C5135</b>
Alabama Laser . . . . .	N6322
AltaMAR Inc . . . . .	C1522
Alternative Parts Inc. . . . .	C3726
<b>Amada America Inc. . . . .</b>	<b>C3916</b>
Baykal Makina Sanayi ve Ticaret AS. . . . .	C5940, C5947
BLM GROUP USA Corp . . . . .	C1717
<b>Bystronic Inc . . . . .</b>	<b>C4328</b>
Chart Inc . . . . .	N3204
<b>Chicago Slitter. . . . .</b>	<b>C7023</b>
Cyl-Tec Inc. . . . .	N3138
Delta Steel Technologies . . . . .	C5952
Durma USA . . . . .	C3949
Dynatorch Inc . . . . .	N4837
Econco/CPI . . . . .	C3712
Elo Automated Stainless Steel Technologies Qingdao Co Ltd. . . . .	C8342
Enutron International . . . . .	C7750



## Laser Cutting Machines

Epilog Laser Corp	C7350
Ermak USA	C3447
Friggi N.A. Inc	C7642
Genstar Technologies Inc	N2822
Haco-Lasit	C3440
Hypertherm Inc	N3906
IPG Photonics	N3931
JETCAM-NestONE Solutions	C4722
Kern Electronics & Lasers	C6513
Koike Aronson Inc	N4131
Kong NGAI Precision Metal Mould Shenzhen Co Ltd	C856
Lantek Systems Inc	C4940
Laser Experts Inc	C5742
Laser Mechanisms Inc	C3810
LT Ultra Precision Optics	C8223
LVD Stripit	C3937
Manufacturing Solutions	C8429
Mazak Optonics Corp	C3428
MC Machinery Systems Inc/ Mitsubishi	C3040
Messer Cutting Systems	C5916
MultiCam Inc	C5516
Murata Machinery USA Inc	C3028
Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd	N6007
Ophir Optics Inc	C3846
OR Lasertechnology Inc	C7345
Panasonic Electric Works Corp of America	C7411
Perfection Global LLC	C3832
Prestige Equipment Corporation	C7214
Prima Power North America Inc	C4336
Richardson Electronics Ltd	C3721
RPMC Lasers	C8411
Sahajanand Laser Technology LTD	C8230
Salvagnini America Inc	C3928
SteelTailor Ltd	N4919
Toolmen Corp	C1253
TRUMPF Inc	C3016
VyTek Inc	C8145
Wayne Trail, a Lincoln Electric Company	N4513
Weil Engineering North America	C8209
Westingcut Industrial Technology Anhui Inc	N1424
Wolf Robotics LLC	N4910

## Laser Cutting Optics & Accessories

Advanced Laser Services LLC	C5634
Alternative Parts Inc	C3726
American Photonics	C3825
American Torch Tip Co Inc	N2022
Centricut	C4935

Hypertherm Inc	N3906
II-VI Infrared	C4924
Kern Electronics & Lasers	C6513
Lambda Research Optics Inc	C5633
Laser Experts Inc	C5742
Laser Mechanisms Inc	C3810
Laser Research Optics	C3847
LaserRite (American BiltRite)	C3451
LT Ultra Precision Optics	C8223
Machinery Marketing Intl	C8337
Mate Precision Tooling	C3720
Mazak Optonics Corp	C3428
MC Machinery Systems Inc/ Mitsubishi	C3040
MultiCam Inc	C5516
Ophir Optics Inc	C3846
Parke Filtration and Separation	C7114
Praxair Inc	N5202
Richardson Electronics Ltd	C3721
Rocky Mountain Instruments Co (RMI)	C8313
RPMC Lasers	C8411
Sellstrom Manufacturing Co	N3413

## Lasers - Fiber Laser Cutting Machines

Amada America Inc	C3916
Baykal Makina Sanayi ve Ticaret AS	C5940, C5947
Chicago Slitter	C7023
Enutron International	C7750
Epilog Laser Corp	C7350
Ermak USA	C3447
Haco-Lasit	C3440
Hypertherm Inc	N3906
Koike Aronson Inc	N4131
Lambda Research Optics Inc	C5633
Laser Mechanisms Inc	C3810
LaserStar Technologies Corp	C5647
MC Machinery Systems Inc/ Mitsubishi	C3040
Nufern	C8339
Panasonic Electric Works Corp of America	C7411
RPMC Lasers	C8411
Salvagnini America Inc	C3928
Toolmen Corp	C1253
TRUMPF Inc	C3016
VyTek Inc	C8145
Westingcut Industrial Technology Anhui Inc	N1424

## Lasers - Laser Surface Ablation/Coating Removal

Coherent Inc	C7309
Epilog Laser Corp	C7350

Kern Electronics & Lasers	C6513
LaserStar Technologies Corp	C5647
Panasonic Electric Works Corp of America	C7411
REA Elektronik Inc	C1834
RPMC Lasers	C8411
Wayne Trail, a Lincoln Electric Company	N4513

## Lasers - Polymer Welding

Coherent Inc	C7309
RPMC Lasers	C8411

## Lasers - Remote Welding, CO2

Coherent Inc	C7309
II-VI Infrared	C4924
RPMC Lasers	C8411
TRUMPF Inc	C3016

## Lasers - Remote Welding, Diode

Coherent Inc	C7309
RPMC Lasers	C8411
Sunstone Engineering	N5916
TeraDiode Inc	C8523

## Lasers - Remote Welding, Fiber

AKS Cutting Systems Inc	C5135
Coherent Inc	C7309
LaserStar Technologies Corp	C5647
RPMC Lasers	C8411
Stripmatic Products Inc	C1415
Sunstone Engineering	N5916
TeraDiode Inc	C8523
Wayne Trail, a Lincoln Electric Company	N4513

## Lasers - Remote Welding, Solid State

Coherent Inc	C7309
RPMC Lasers	C8411
TeraDiode Inc	C8523
TRUMPF Inc	C3016

## Lasers - Tube & Profile Welding

Coherent Inc	C7309
LaserStar Technologies Corp	C5647
RPMC Lasers	C8411
Stripmatic Products Inc	C1415
TeraDiode Inc	C8523

## Lean Manufacturing

5S Supply	C3454
Carr Lane Manufacturing Co	N3036
CNA Insurance	C7247
Meltric Corp	N4826
Packsizes LLC	C1336





Pollution Control Products . . . . . C2415  
 Precision Punch Corp. . . . . C1432  
 Rimco Equipment . . . . . N1631  
 Toledo Blank . . . . . C1149  
 Vacco Industries . . . . . C8431  
 Wila USA. . . . . C5709  
 Wintriss Controls . . . . . C3711

**Leasing Services**

Marvel Manufacturing Co. . . . . C6316  
 PDS Bartech Inc. . . . . N5917  
 Scotchman Industries Inc . . . . . C4923  
 Sertom Group North America LLC . . . . . C6911

**Leveling Equipment - Machinery Installation**

ARKU Coil Systems Inc. . . . . C7528  
 Burghardt + Schmidt GmbH . . . . . C4934  
 Butech Bliss. . . . . C5532  
 Herr Voss Stamco . . . . . C7239  
 Leveltek Intl LLC . . . . . C5950  
 Unisorb Installation Technologies. . . . . C1411

**Leveling Equipment - Plate Leveler**

ARKU Coil Systems Inc. . . . . C7528  
 Athader . . . . . C5520  
 Bradbury Co., Inc., The . . . . . C5520  
 Bradbury Group, The . . . . . C5520  
 D&H Machinery Inc. . . . . C2112  
 Delta Steel Technologies . . . . . C5952  
 Faccin USA Inc . . . . . C6323  
 Herr Voss Stamco . . . . . C7239  
 Leveltek Intl LLC . . . . . C5950  
 Trilogy Machinery Inc . . . . . C5140

**Leveling Equipment - Sheet Metal**

ARKU Coil Systems Inc. . . . . C7528  
 Athader . . . . . C5520  
 Bradbury Co., Inc., The . . . . . C5520  
 Bradbury Group, The . . . . . C5520  
 Burghardt + Schmidt GmbH . . . . . C4934  
 Butech Bliss. . . . . C5532  
 D&H Machinery Inc. . . . . C2112  
 Formtek Metal Forming & Hill Engineering. . . . . C3708  
 Herr Voss Stamco . . . . . C7239  
 Leveltek Intl LLC . . . . . C5950  
 Machine Concepts Inc. . . . . C4726  
 Metform International Ltd. . . . . C5534  
 Perfection Global LLC . . . . . C3832  
 Red Bud Industries . . . . . C4732  
 Trilogy Machinery Inc . . . . . C514

**Lift Trucks**

Combilift USA . . . . . C5726  
 Linemaster Switch Corp . . . . . C2324  
 Sumner Manufacturing Co Inc . . . . . N1519

**Light Curtains**

AP&T North America Inc. . . . . C1231  
 AVS Industries LLC . . . . . N6018  
 CIECO Inc. . . . . C1334  
 Frommelt Safety Products. . . . . N4827  
 Gaozhou City Longsafety Labor Insurance. . . . . N6201  
 International Technologies Inc . . . . . C8111  
 ISB Group . . . . . C4728  
 Kimberly-Clark Professional . . . . . N3407  
 Panasonic Electric Works Corp of America . . . . . C7411  
 Tapeswitch Corp . . . . . C3813  
 Toledo Integrated Systems. . . . . C1317

**Loop Controls**

DELTA Computer Systems Inc. . . . . C1024  
 Starrett Bytewise Measurement Systems. . . . . C3453

**Lubricants**

BESSEY Tools North America . . . . . N4931  
 California Cold Saw . . . . . C7240  
 Calvary Industries Inc . . . . . C2734  
 Chemetall US Inc. . . . . C2709  
 Chemtool Inc . . . . . C660  
 Cimcool Fluid Technology . . . . . C1452  
 Cleveland Punch & Die Co . . . . . C5711  
 Coral Chemical Co. . . . . C2417  
 Dayton Progress Corp. . . . . C813  
 DoALL Sawing Products . . . . . C7713  
 DuBois Chemicals . . . . . C2545  
 DuBois Chemicals . . . . . C4938  
 Emmegi USA Inc. . . . . C7323  
 Fastenal Company. . . . . N5736  
 Fuchs Lubricants Co . . . . . C1517  
 Global Metal Spinning Solutions Inc . . . . . C934  
 GMT North America . . . . . C353  
 Hiwin Corp. . . . . C1321  
 Houghton International Inc. . . . . C1437, C1552  
 Hubbard-Hall Inc. . . . . C2156  
 International Chemical Co. . . . . C1232  
 LA-CO Industries/Markal . . . . . N4802  
 Laser Experts Inc. . . . . C5742  
 LENOX. . . . . C4808  
 LSP Industries Inc . . . . . C1212  
 Metalloid Corp . . . . . C1447  
 Rock Valley Oil & Chemical Co Inc . . . . . C1049  
 Taylor Enterprises Inc . . . . . C347  
 Tower Oil & Technology Co. . . . . C1319

UltraLube. . . . . C7539  
 Unist Inc . . . . . C847  
 Walter Surface Technologies . . . . . N2628  
 Weld-Aid Products . . . . . N4928  
 Zerust Corrosion Solutions (Northern Tech Intl Corp). . . . . C1014

**Lubrication Equipment**

Bruderer Machinery Inc. . . . . C925  
 LSP Industries Inc . . . . . C1212  
 P&G Fluid Power Inc . . . . . C1320  
 Pax Products Inc . . . . . C1428  
 Tower Oil & Technology Co . . . . . C1319  
 UltraLube. . . . . C7539  
 Unist Inc . . . . . C847

**Machine Control Hardware & Components**

Alternative Parts Inc . . . . . C3726  
 Beck Automation. . . . . C5520  
 Beckhoff Automation . . . . . C7545  
 CIECO Inc. . . . . C1334  
 DELTA Computer Systems Inc. . . . . C1024  
 Hiwin Corp. . . . . C1321  
 Horn Machine Tools Inc . . . . . C1734  
 Hypertherm Inc . . . . . N3906  
 ISB Group . . . . . C4728  
 Laser Experts Inc. . . . . C5742  
 Link Systems . . . . . C909  
 Panasonic Electric Works Corp of America . . . . . C7411  
 Parker domnick hunter . . . . . N1513  
 PDS Bartech Inc. . . . . N5917  
 Servo-Robot Inc. . . . . N5907  
 SEYI America Inc. . . . . C653  
 Tapeswitch Corp . . . . . C3813  
 Toledo Integrated Systems . . . . . C1317  
 Tube Works Inc . . . . . C1449  
 Universal Controls Group . . . . . C1528  
 Victory Plasma Systems Inc . . . . . N4833  
 Wintriss Controls . . . . . C3711

**Machine Control Software**

Accurpress America Inc . . . . . C3047  
 Advanced Tubular Technologies Inc . . . . . C1556  
 Arc Specialties Inc . . . . . N1610  
 Beck Automation. . . . . C5520  
 Beckhoff Automation . . . . . C7545  
 Controlled Automation Inc . . . . . C7730  
 DELTA Computer Systems Inc. . . . . C1024  
 Dynatorch Inc . . . . . N4837  
 Emmegi USA Inc . . . . . C7323  
 Horn Machine Tools Inc . . . . . C1734  
 Hypertherm Inc . . . . . N3906  
 Jetline Engineering. . . . . N5813  
 Kinetic Cutting Systems Inc . . . . . C6311



## Machine Control Software

Link Systems	C909
Metalix CAD/CAM Ltd	C4911
Ocean Machinery Inc	C7523
Parker domnick hunter	N1513
PDS Bartech Inc.	N5917
PEP Technology	C8320
Servo-Robot Inc.	N5907
Shop Edge Software Inc	C1434
<b>SigmaTEK Systems LLC</b>	<b>C4932</b>
Striker Systems	C3728
Toledo Integrated Systems	C1317
Victory Plasma Systems Inc	N4833

## Machine Monitors

Alternative Parts Inc	C3726
Beckhoff Automation	C7545
CIECO Inc.	C1334
<b>DELTA Computer Systems Inc</b>	<b>C1024</b>
Meltools LLC	N1618
OES Inc	C248
Parker domnick hunter	N1513
Wintriss Controls	C3711

## Machine Rebuilding/ Reconditioning Services

Advanced Laser Services LLC	C5634
AIDA-America Corp.	C1210
<b>Alliance Machine and Engraving LLC</b>	<b>C5250</b>
Bliss Clearing Niagara	C933
Butech Bliss	C5532
BUWW Coverings Inc	C7320
Controlled Automation Inc	C7730
Fiba Technologies Inc	N6324
Ficep Corporation	C6550
Greenberry Industrial	C8140
Heim Group, The	C1331
Horn Machine Tools Inc	C1734
Janda Co Inc	N1924
Laser Experts Inc	C5742
Machine Concepts Inc.	C4726
Metform International Ltd.	C5534
Pangborn Corp.	C6516
Schuler Incorporated.	C917
SEYI America Inc.	C653
Sutherland Presses	C152
T&H Lemont	C2117
TJ Snow Co.	N2613
Tube Works Inc	C1449
Wheelabrator Group	C7121

## Machinery Installation/ Alignment Services

<b>Accurpress America Inc</b>	<b>C3047</b>
AIDA-America Corp.	C1210
Bliss Clearing Niagara	C933

Bowlin Engineering	C4838
Greenberry Industrial	C8140
Laser Experts Inc	C5742
<b>Leveltek Intl LLC</b>	<b>C5950</b>
Schuler Incorporated.	C917
T&H Lemont	C2117
Unisorb Installation Technologies	C1411

## Magnets & Magnetic Equipment

BESSEY Tools North America	N4931
Bug-O Systems	N4813, N5013
EAS Mold & Die Change Systems, Inc	C1026
ERIEZ	C7316
<b>Hayes International</b>	<b>C5520</b>
Hougen Manufacturing Inc	C4821
Industrial Magnetics Inc	C5728
JMR Industrial	C3752
Magnetic Products Inc	C5510
Master Magnetics	C4733
Mathey Dearman	N5710
Permador Industries Inc	N3006
Shred-Tech Compass Systems	C7550
Steelmax Tools	N4737
<b>Strong Hand Tools</b>	<b>N3631</b>
Sumner Manufacturing Co Inc	N1519
Tapeswitch Corp	C3813
Techniks Inc	C7140
Universal Drilling & Cutting Equipment	C3714
Walker Magnetics	C7536
Weldsale LLC	N5124
Western Enterprises	N2933

## Maintenance Equipment/ Products

5S Supply	C3454
Advanced Laser Services LLC	C5634
ALM Materials Handling	N5927
Alternative Parts Inc	C3726
BandSawParts.com	C7538
<b>Barton</b>	<b>C4916</b>
Big Ass Fans	C7742
Bliss Clearing Niagara	C933
Bore Repair Systems Inc	N6319
Bradford Derustit Corp	N4804
Buffalo Shrink Wrap	N2210
Burghardt + Schmidt GmbH	C4934
Climax Portable Machining & Welding Systems	N1422
Corewire Ltd	N2910
CR Cuscinetti A Rulli Srl	C5636
Dake Corporation	C6923
Darex LLC	C8138
DCM Tech Inc	C8346
Diversi-Tech Inc	N1922

EH Wachs Co.	N5713
ELCo Enterprises	N2831
Electron Beam Technologies Inc	N3210
Enprotech Industrial Technologies LLC	C1439
Environmental Air Solutions	N6315
Factory Cat	N2209
Fuxin Tianyuan Steel Balls Mfg Co Ltd	C355
Gerb Vibration Control Systems	C852
H2O JET Inc.	C5713
Hex-Hut Shelter Systems Ltd	N6115
Hougen Manufacturing Inc	C4821
International Technologies Inc	C8111
International Welding Technologies Inc	N1724
Laser Experts Inc	C5742
LPI Inc	C2424
Mathey Dearman	N5710
Meltric Corp	N4826
Messer MG Welding Products	N2408
Metabo Corp	N6131
Michigan Pneumatic Tool Inc	N6034
Micro Air	N1806
Minster Machine Co, The	C649
Nitto Kohki USA Inc	C1510
<b>Norton Abrasives</b>	<b>N2610</b>
<b>Nucor Building Systems</b>	<b>C1255</b>
<b>Orbitalum Orbital Cutting + Welding</b>	<b>N5713</b>
Osborn	C2737, N3309
PDS Bartech Inc.	N5917
Phoenix International Inc	N2328
Pyro Shield Inc.	N6313
R&B Machining Inc.	C2124
RVJ/Unique4U	C1036
Richardson Electronics Ltd	C3721
Rocklin Manufacturing Co.	C1433
Ross Controls	C849
Sakura of America	N2504
Schuler Incorporated	C917
<b>Scotchman Industries Inc</b>	<b>C4923</b>
Semyx LLC	C6347
SKM Industries Inc	N1717
Technogenia Inc	N4924
Uni-Hydro Inc.	C8537
Walter Surface Technologies	N2628
<b>Weiler Corp</b>	<b>N4831</b>
Weld-Aid Products	N4928
Welding Alloys USA	N4917
York Portable Machine Tools	N2925

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## Marking Equipment - Bar Coding Systems & Supplies

Dataweld Inc.	N2308
Haco-Lasit	C3440
InfoSight Corp	C5609
MB Metal Technologies	C5013
Pannier Corp	C5824
REA Elektronik Inc.	C1834
Samuel Strapping Systems	C1524
SIC Marking USA Inc.	C8509

## Marking Equipment - Indenting/Embossing/Etching

Alliance Machine and Engraving LLC	C5520
Controlled Automation Inc	C7730
InfoSight Corp	C5609
Manufacturing Solutions Inc.	N1509
MB Metal Technologies	C5013
Mecco Marking & Traceability	C7342
Pannier Corp	C5824
Peddinghaus Corp	C7723
PFERD INC.	N5018
SIC Marking USA Inc.	C8509
SKM Industries Inc	N1717

## Marking Equipment - Inkjet/Paintjet/Markers

Arro-Mark Co LLC	C5836
Beck Automation	C5520
Diagraph MSP an ITW Company	N5718
Durable Supply	N4939
Foerster Instruments Inc	C1523
InfoSight Corp	C5609
JP Nissen Co.	N4922
LA-CO Industries/Markal	N4802
MB Metal Technologies	C5013
Pannier Corp	C5824
REA Elektronik Inc.	C1834
Sakura of America	N2504
Samuel Strapping Systems	C1524
SKM Industries Inc	N1717
U-Mark Inc.	N2406

## Marking Equipment - Laser Systems

Alabama Laser	N6322
Epilog Laser Corp	C7350
Haco-Lasit	C3440
II-VI Infrared	C4924
InfoSight Corp	C5609
IPG Photonics	N3931
Kern Electronics & Lasers	C6513
LaserStar Technologies Corp	C5647
MB Metal Technologies	C5013
Mecco Marking & Traceability	C7342

Nuferr	C8339
OR Lasertechnology Inc.	C7345
Panasonic Electric Works Corp of America	C7411
Pannier Corp	C5824
REA Elektronik Inc.	C1834
RMI Laser LLC	C8314
SIC Marking USA Inc.	C8509
TRUMPF Inc.	C3016
Vacco Industries	C8431

## Marking Equipment - Signs/Nameplates/Labels

Diagraph MSP an ITW Company	N5718
Haco-Lasit	C3440
InfoSight Corp	C5609
JP Nissen Co.	N4922
MB Metal Technologies	C5013
Pannier Corp	C5824
Samuel Strapping Systems	C1524
SKM Industries Inc	N1717

## Marking Equipment - Thermal/Thermal Transfer

InfoSight Corp	C5609
SKM Industries Inc	N1717

## Masking/Shielding Supplies

Alliance Express	C1857
Aquasol Corp.	N3613
Cardinal Paint and Powder	C1761
COB Industries Inc.	N5919
Custom Fabricating & Supplies	C2510
Echo Engineering	C2056
Goff's Enterprises Inc	N2625
Intech Services Inc	C2163
Magic Rack/Production Plus Corp.	C2724
Mighty Hook Inc	C2420
Powder Coating	C2356
Weldas Co.	N5136
Wirecrafters	N1824

## Mass Finishing Equipment & Media

Almco Inc.	C1220
Burr King Manufacturing Co.	C4740
Ervin Industries	C7448
Euromac/Metal Finish LLC	C4716
Kolene Corp.	C2509
Lissmac Corp.	C4340
LS Industries Inc	C8123
Professional Finishing Systems	C8239
Rosler Metal Finishing USA LLC	C7733
VULKAN Blast Shot Technology	C2362
Walther Pilot North America	C2609

## Material Feeding Equipment

Accra-Wire Controls Inc	C1256
ERIEZ	C7316
Friggi N.A. Inc	C7642
HE&M Saw Inc	C5508
Industrial Magnetics Inc.	C5728
Lissmac Corp.	C4340
Magnetic Products Inc	C5510
Mazak Optonics Corp	C3428
Metform International Ltd.	C5534
Minster Machine Co, The	C649
Pacesetter Systems	C1412
Pangborn Corp.	C6516
Permador Industries Inc	N3006
Prima Power North America Inc	C4336
Red Bud Industries	C4732
Shred-Tech Compass Systems	C7550
Steel Storage Systems Inc	C6916
TigerStop LLC	C7442, C7542
Webb-Stiles Co.	C2435

## Metal Cored Wires

Bay State Surface Technologies	N2419
BMM Welding Material Co	N6109
Broco Inc	N4926
Changzhou Zhengyang Welding Material Co Ltd.	N2306
Corewire Ltd	N2910
COR-MET INC	N5534
DURUM USA	N2316
ESAB Welding & Cutting Products	N3922, N4122
Hobart Brothers	N5516
Kobelco Welding of America Inc	N3938
Lincoln Electric Co.	N4102, N4113, N4515
MAGMAWELD	N1628
Polymet Corp.	N2313
PT-Mat.	N3337
Sulzer Metco US Inc	N2413
Tianjin Jinlong Welding Material Co Ltd	N6100
Washington Alloy Co	N2231
Welding Alloys USA	N4917

## Metal Service Centers

Erasteel Inc	C1435
O'Neal Flat Rolled Metals	C8331
United Performance Metals	C1157

## Metal Shapes Supplied - Angles

Cambridge Lee Industries LLC	C8333
KME Germany GmbH & Co KG	N1525
Lapham-Hickey Steel Corp	C840
Samson Roll Formed Products Co.	C6350
Valmont Coatings	C5724



## Metal Shapes Supplied - Bars & Rods

Ampco Metal Inc. ....	C2326
Benxi Guangzheng Tungsten & Molybdenum Co Ltd .....	C456
Cambridge Lee Industries LLC. ....	C8333
Erasteel Inc. ....	C1435
Hydro Carbide Inc. ....	C8238
KME Germany GmbH & Co KG. ....	N1525
<b>Lapham-Hickey Steel Corp. ....</b>	<b>C840</b>
MMC Superalloy Corp. ....	N1826
National Bronze & Metals Inc. ....	C1512
NGK Metals Corp. ....	C922
Ulbrich Stainless Steels & Special Metals Inc. ....	C1015
Valmont Coatings. ....	C5724

## Metal Shapes Supplied - Beams & Channels

Cambridge Lee Industries LLC. ....	C8333
<b>Lapham-Hickey Steel Corp. ....</b>	<b>C840</b>
Valmont Coatings. ....	C5724

## Metals Supplied - Aluminum/Aluminum Alloys

AMETEK Specialty Metal Products for Fab .....	C914
<b>Anomatic Corp. ....</b>	<b>C2452</b>
BMM Welding Material Co. ....	N6109
Cambridge Lee Industries LLC. ....	C8333
Erickson Metals Corp. ....	C1035
Identification Plates Inc. ....	C8340
<b>Lucas-Milhaupt Inc. ....</b>	<b>N5027</b>
Ningbo Jinhui Precision Casting Co Ltd. ....	C254
NKS. ....	C1549
O'Neal Flat Rolled Metals. ....	C8331
Pacific Aerospace & Electronics. ....	N1607
Superior Die Set Corp. ....	C658
Ulbrich Stainless Steels & Special Metals Inc. ....	C1015
United Aluminum Corp. ....	C809
Winnox Industries Ltd. ....	N6111

## Metals Supplied - Brass/Brass Alloys

AMETEK Specialty Metal Products for Fab .....	C914
Bohler Uddeholm Corp. ....	C1417
Cambridge Lee Industries LLC. ....	C8333
Gasflux Co. ....	N2833
Identification Plates Inc. ....	C8340
KME Germany GmbH & Co KG. ....	N1525
National Bronze & Metals Inc. ....	C1512
Ningbo Jinhui Precision Casting Co Ltd. ....	C254

NKS. ....	C1549
Winnox Industries Ltd. ....	N6111

## Metals Supplied - Bronze/Bronze Alloys

AMETEK Specialty Metal Products for Fab .....	C914
Cambridge Lee Industries LLC. ....	C8333
Gasflux Co. ....	N2833
KME Germany GmbH & Co KG. ....	N1525
National Bronze & Metals Inc. ....	C1512
Ningbo Jinhui Precision Casting Co Ltd. ....	C254
Pacific Aerospace & Electronics. ....	N1607
Winnox Industries Ltd. ....	N6111

## Metals Supplied - Cobalt Alloys

Haynes International. ....	N1617
MMC Superalloy Corp. ....	N1826
Pacific Aerospace & Electronics. ....	N1607
<b>United Performance Metals. ....</b>	<b>C1157</b>

## Metals Supplied - Copper/Copper Alloys

AMETEK Specialty Metal Products for Fab .....	C914
Ampco Metal Inc. ....	C2326
BMM Welding Material Co. ....	N6109
Bohler Uddeholm Corp. ....	C1417
Cambridge Lee Industries LLC. ....	C8333
Freeport McMoRan Copper & Gold. ....	C1254
Gasflux Co. ....	N2833
Golden Eagle Minmetals(Beijing) Wldg Materials Co. ....	N5800
KME Germany GmbH & Co KG. ....	N1525
<b>Lucas-Milhaupt Inc. ....</b>	<b>N5027</b>
MMC Superalloy Corp. ....	N1826
National Bronze & Metals Inc. ....	C1512
NGK Metals Corp. ....	C922
Ningbo Jinhui Precision Casting Co Ltd. ....	C254
Ningbo Powerway Alloy Material Co Ltd. ....	N5038
NKS. ....	C1549
Pacific Aerospace & Electronics. ....	N1607
Precision Steel Warehouse Inc. ....	C1021
Southern Copper & Supply. ....	N1926
TJ Snow Co. ....	N2613
Ulbrich Stainless Steels & Special Metals Inc. ....	C1015
Winnox Industries Ltd. ....	N6111
ZJ Industries Inc. ....	N2704

## Metals Supplied - Hi-Temp Alloys

Benxi Guangzheng Tungsten & Molybdenum Co Ltd. ....	C456
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Cambridge Lee Industries LLC. ....	C8333
Haynes International. ....	N1617
KME Germany GmbH & Co KG. ....	N1525
MMC Superalloy Corp. ....	N1826
NKS. ....	C1549
Pacific Aerospace & Electronics. ....	N1607
<b>United Performance Metals. ....</b>	<b>C1157</b>
Zapp Precision Strip. ....	C811

## Metals Supplied - Nickel/Nickel Alloys

AMETEK Specialty Metal Products for Fab .....	C914
BMM Welding Material Co. ....	N6109
Bohler Uddeholm Corp. ....	C1417
Cambridge Lee Industries LLC. ....	C8333
Haynes International. ....	N1617
Identification Plates Inc. ....	C8340
JLC Electromet Pvt LLC. ....	N5138
Kennametal Stellite. ....	N2528
Latrobe Specialty Steel Distribution. .	C915
<b>Lucas-Milhaupt Inc. ....</b>	<b>N5027</b>
MMC Superalloy Corp. ....	N1826
Ningbo Powerway Alloy Material Co Ltd. ....	N5038
NKS. ....	C1549
Pacific Aerospace & Electronics. ....	N1607
Rolled Alloys. ....	N3024
Special Metals Welding Products Co. ....	N3118
Sunstone Engineering. ....	N5916
Technogenia Inc. ....	N4924
ThyssenKrupp VDM USA, LLC. ....	N5931
Ulbrich Stainless Steels & Special Metals Inc. ....	C1015
<b>United Performance Metals. ....</b>	<b>C1157</b>
Zapp Precision Strip. ....	C811

## Metals Supplied - Powder Metals

AMETEK Specialty Metal Products for Fab .....	C914
Bohler Uddeholm Corp. ....	C1417
<b>Diehl Steel Co. ....</b>	<b>C1410</b>
Erasteel Inc. ....	C1435
Kennametal Stellite. ....	N2528
Latrobe Specialty Steel Distribution. .	C915
Southern Copper & Supply. ....	N1926

## Metals Supplied - Precious/Exotic Metals

AMETEK Specialty Metal Products for Fab .....	C914
Fabrisonic LLC. ....	N6218
Hydro Carbide Inc. ....	C8238
KME Germany GmbH & Co KG. ....	N1525



### Metals Supplied - Precious/ Exotic Metals

Lucas-Milhaupt Inc . . . . .	N5027
Nanjing Youtian Metal Technology Co Ltd . . . . .	N1616
NKS . . . . .	C1549

### Metals Supplied - Precoated

O'Neal Flat Rolled Metals . . . . .	C8331
Precision Steel Warehouse Inc. . . . .	C1021
Sandvik Materials Technology . . . . .	N3019
Toledo Blank . . . . .	C1149
United Aluminum Corp . . . . .	C809

### Metals Supplied - Steel (Carbon)

Bohler Uddeholm Corp . . . . .	C1417
Diehl Steel Co . . . . .	C1410
Douglas Steel Supply Co. . . . .	C5747
Lapham-Hickey Steel Corp . . . . .	C840
Liaoning Longyuan Industry Co Ltd . . . . .	C455
Ningbo Jinhui Precision Casting Co Ltd . . . . .	C254
NKS . . . . .	C1549
O'Neal Flat Rolled Metals . . . . .	C8331
Pacific Aerospace & Electronics . . . . .	N1607
Porcelain Enamel Institute Inc . . . . .	C2436
Precision Steel Warehouse Inc. . . . .	C1021
Superior Die Set Corp . . . . .	C658
Tennessee Galvanizing Inc . . . . .	C7113
Toledo Blank . . . . .	C1149
Valmont Coatings . . . . .	C5724

### Metals Supplied - Steel (High Alloy)

Bohler Uddeholm Corp . . . . .	C1417
Diehl Steel Co . . . . .	C1410
Douglas Steel Supply Co. . . . .	C5747
Erasteel Inc . . . . .	C1435
Haynes International . . . . .	N1617
Lapham-Hickey Steel Corp . . . . .	C840
Latrobe Specialty Steel Distribution . . . . .	C915
Liaoning Longyuan Industry Co Ltd . . . . .	C455
MMC Superalloy Corp . . . . .	N1826
Ningbo Jinhui Precision Casting Co Ltd . . . . .	C254
Pacific Aerospace & Electronics . . . . .	N1607
Precision Steel Warehouse Inc. . . . .	C1021
United Performance Metals . . . . .	C1157

### Metals Supplied - Steel (Low Alloy)

Bohler Uddeholm Corp . . . . .	C1417
Diehl Steel Co . . . . .	C1410
Douglas Steel Supply Co. . . . .	C5747
Lapham-Hickey Steel Corp . . . . .	C840
Latrobe Specialty Steel Distribution . . . . .	C915

Liaoning Longyuan Industry Co Ltd . . . . .	C455
Ningbo Jinhui Precision Casting Co Ltd . . . . .	C254
Pacific Aerospace & Electronics . . . . .	N1607
Precision Steel Warehouse Inc. . . . .	C1021
Toledo Blank . . . . .	C1149
Wilco Inc . . . . .	C1422

### Metals Supplied - Steel (Stainless)

AMETEK Specialty Metal Products for Fab . . . . .	C914
Benxi Guangzheng Tungsten & Molybdenum Co Ltd . . . . .	C456
Bohler Uddeholm Corp . . . . .	C1417
Diehl Steel Co . . . . .	C1410
Identification Plates Inc. . . . .	C8340
Latrobe Specialty Steel Distribution . . . . .	C915
Liaoning Longyuan Industry Co Ltd . . . . .	C455
Nevatia Steel & Alloys Pvt LTD . . . . .	N2824
Ningbo Jinhui Precision Casting Co Ltd . . . . .	C254
NKS . . . . .	C1549
O'Neal Flat Rolled Metals . . . . .	C8331
Pacific Aerospace & Electronics . . . . .	N1607
Precision Steel Warehouse Inc. . . . .	C1021
Rolled Alloys . . . . .	N3024
Sandvik Materials Technology . . . . .	N3019
TCT Stainless Steel Inc. . . . .	C1058
Toledo Blank . . . . .	C1149
Ulbrich Stainless Steels & Special Metals Inc . . . . .	C1015
United Performance Metals . . . . .	C1157
Zapp Precision Strip . . . . .	C811

### Metals Supplied - Steel (Tool)

Benxi Guangzheng Tungsten & Molybdenum Co Ltd . . . . .	C456
Bohler Uddeholm Corp . . . . .	C1417
Diehl Steel Co . . . . .	C1410
Erasteel Inc . . . . .	C1435
International Mold Steel . . . . .	C556
Latrobe Specialty Steel Distribution . . . . .	C915
Ningbo Jinhui Precision Casting Co Ltd . . . . .	C254
Valmont Coatings . . . . .	C5724
Zapp Precision Strip . . . . .	C811

### Metals Supplied - Titanium/ Titanium Alloys

AMETEK Specialty Metal Products for Fab . . . . .	C914
Benxi Guangzheng Tungsten & Molybdenum Co Ltd . . . . .	C456
Haynes International . . . . .	N1617
Latrobe Specialty Steel Distribution . . . . .	C915

Nanjing Youtian Metal Technology Co Ltd . . . . .	N1616
Pacific Aerospace & Electronics . . . . .	N1607
Ulbrich Stainless Steels & Special Metals Inc . . . . .	C1015
United Performance Metals . . . . .	C1157
Zapp Precision Strip . . . . .	C811

### Metals Toll Processing Services

AMETEK Specialty Metal Products for Fab . . . . .	C914
Leveltek Intl LLC . . . . .	C5950
Precision Punch Corp . . . . .	C1432
Production Tube Cutting Inc . . . . .	C2215

### Millwright Services

CH Steel Solutions Inc . . . . .	C7348
Greenberry Industrial . . . . .	C8140

### Motion Control Products

Accurate Die Design Inc/ Logopress Corp . . . . .	C1423
Alternative Parts Inc . . . . .	C3726
Beckhoff Automation . . . . .	C7545
DELTA Computer Systems Inc . . . . .	C1024
Dynatorch Inc . . . . .	N4837
Hiwin Corp . . . . .	C1321
Hypertherm Inc . . . . .	N3906
Jetline Engineering . . . . .	N5813
Kinetic Cutting Systems Inc . . . . .	C6311
Link Systems . . . . .	C909
MJC Engineering & Technology Inc . . . . .	C1156
Nadella . . . . .	C7150
Panasonic Electric Works Corp of America . . . . .	C7411
Pandjiris Inc. . . . .	N4810
Parker domnick hunter . . . . .	N1513
Red Rock Automation/Romar/MEC . . . . .	N4805
Servo-Robot Inc. . . . .	N5907
SigmaTEK Systems LLC . . . . .	C4932
Tapeswitch Corp . . . . .	C3813
Universal Controls Group . . . . .	C1528

### Motors

Alternative Parts Inc . . . . .	C3726
Beckhoff Automation . . . . .	C7545
Hiwin Corp . . . . .	C1321

### Nitrogen Die Cylinders

Anchor Danly . . . . .	C931
Fibro Inc. . . . .	C249
GMT North America . . . . .	C353
Moeller Precision Tool . . . . .	C1020
Ready Technology Inc . . . . .	C832
Superior Die Set Corp . . . . .	C658
Wilson Tool International . . . . .	C1013, C5116





## Noise Control Equipment

Bay State Surface Technologies	N2419
Frommelt Safety Products	N4827
George Koch Sons LLC	C2521
Gerb Vibration Control Systems	C852
Goff's Enterprises Inc	N2625
Micro Air	N1806
Pan Taiwan Enterprise	N1718
Pax Products Inc	C1428

## Nondestructive Testing Equipment

American Society For Nondestructive Testing	N1615
BigC: Dino-Lite Scopes	C2055
Bonal Technologies Inc	N2924
Brandt Engineered Products Ltd	C1755
Bruker Elemental	C7339
Cantesco	N3027
Carestream	N2426
Chemetall US Inc	C2709
COB Industries Inc	N5919
Dakota Ultrasonics	N2624
Danatronics Inc	N1418
DCM Tech Inc	C8346
DeFelsko Corp	C2442
Eddytech Systems Inc	C1752
Elcometer Inc	C2152
Elcometer Inc	N3126
ElektroPhysik USA Inc	C2053
FARO Technologies Inc	C7636
Fischer Technology Inc	C2711
Foerster Instruments Inc	C1523
GE Measurement & Control	N3222
IMPACT Engineering Inc	N5108
Innerspec Technologies	N2217
InterTest Inc	N5824
Metallurgical & Materials Technologies Inc	C1535
Mill Masters	C1533
Nikon Metrology Inc	C952
Olympus NDT	N1613
Richard Wolf Industrial	N2309
Servo-Robot Inc	N5907
Shantou Inst of Ultrasonic Instruments Co Ltd (SIUI)	N2715
Sherwin Inc	N5918
Thermo Scientific Portable XRF Analyzers	C2328
Xiris Automation Inc	C2312

## Notching Machines

AddisonMckee Inc	C2339
AIM Inc	C1832
Baileigh Industrial Inc	C7513

Baykal Makina Sanayi ve Ticaret AS	C5940, C5947
Boschert Precision Machinery Inc	C2820
C Marshall Fabrication Machinery	C7716
Carell Corp/Eagle Bending Machines	C5928
CML USA Inc Ercolina	C3739
COMEQ Inc	C5125
Dake Corporation	C6923
Durma USA	C3949
Edwards Manufacturing Co	C7116
Ermak USA	C3447
Euromac/Metal Finish LLC	C4716
Ficep Corporation	C6550
Haberle / Ken Bergman & Assoc LLC	C7137
Heck Industries	C4828
INNOVO Corp	C1758
Marion Die & Fixture Inc	C5520
Masteel America Corp	C3749
Midwest Bender Services Corp	C1728
Overton Industries	C2225
Proto-1 Manufacturing	C1825
Scantool USA By CML USA	C7147
Uni-Hydro Inc	C8537
Unipunch Products Inc	C3732
Unittool Punch & Die	C4708

## Nozzles for Finishing Spray Washers

General Automatic Transfer	C2550
Hydro Carbide Inc	C8238
Krautzberger LLC	C1964
Midwest Finishing Systems Inc	C2526
Trimac Industrial Systems	C2359
Uni-Spray Systems Inc	C2412

## Online Services

CFCM Canadian Finishing & Coatings Manufacturing	C2747
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Fabricating & Metalworking Magazine	C8508
Fabricators & Manufacturers Association	C6538

Precision Metalforming Association	C463
Site Location Partnership (SLP)	N1406
SteelOrbis	C3751
Unisorb Installation Technologies	C1411

## Ornamental/Scroll Benders

AIM Inc	C1832
Carell Corp/Eagle Bending Machines	C5928
CML USA Inc Ercolina	C3739
J & S Machine Inc	C2317
TaurinGroup USA	C1739

## Other

Advanced Laser Services LLC	C5634
Aquasol Corp	N3613
Atlanta Drive Systems Inc	C8323
Attexor Clinch Systems SA	C5622
BECCA Inc	C1854
Big Ass Fans	C7742
Box On Demand by Plymouth Packaging	C4824
Cambco Inc	C7430
Centricut	C4935
Chicago Pneumatic Tool Co	C4750
CR Cuscinetti A Rulli Srl	C5636
Desch Canada Ltd	C1235
Diamond Saw Works Inc	N1416
Diversi-Tech Inc	N1922
Dongsan Bearing Co	C833
Electron Beam Technologies Inc	N3210
EnvisionTEC Inc	C3826
Fuxin Tianyuan Steel Balls Mfg Co Ltd	C355
Halifax Rack & Screw	C7310
Hex-Hut Shelter Systems Ltd	N6115
Hiwin Corp	C1321
Industrial Machine Trader	C8231
Industrial Molded Rubber Products	C4723
Kolene Corp	C2509
Long Haul Trucking	C4349
Mayfran International Inc	C939
Meltric Corp	N4826
Nadella	C7150
Nitto Denko America Inc	C8409
Norlok Technology Inc	C4840
Permabond Engineering Adhesives	C6349
RVJ/Unique4U	C1036
Ready Technology Inc	C832
Shercon Inc	C2735
Triple Crown Products	N3318
Valmont Coatings	C5724
Welder Training & Testing Institute	N1533
Worlee-Chemie GmbH	C1964

## Other Machining Equipment

ALM Materials Handling	N5927
Bonal Technologies Inc	N2924
Bore Repair Systems Inc	N6319
CIMID Corp	C8327
Climax Portable Machining & Welding Systems	N1422
CR Cuscinetti A Rulli Srl	C5636
EH Wachs Co	N5713
Elumatec North America Inc	C2849
Emmegi USA Inc	C7323
ESCO Tool Co	C5735
FomUSA	C6914



## Other Machining Equipment

International Welding Technologies Inc . . . . .	N1724
Kong NGAI Precision Metal Mould Shenzhen Co Ltd . . . . .	C856
Lissmac Corp. . . . .	C4340
Machinery Marketing Intl . . . . .	C8337
Magnetic Products Inc . . . . .	C5510
Manufacturing Solutions Inc. . . . .	N1509
Masteel America Corp . . . . .	C3749
Mathey Dearman . . . . .	N5710
<b>MC Machinery Systems Inc/ Mitsubishi . . . . .</b>	<b>C3040</b>
<b>Orbitalum Orbital Cutting + Welding . . . . .</b>	<b>N5713</b>
Pangborn Corp. . . . .	C6516
Pushcorp Inc . . . . .	N5934
Shijiazhuang Fitex Trading Co Ltd. . . . .	C159
Tapeswitch Corp . . . . .	C3813
Tri Tool Inc. . . . .	N5913

## Ovens for Curing Paint & Coatings

AFC Finishing Systems . . . . .	C2548
Ambrell Precision Induction Heating . . . . .	C4950
<b>Binks DeVilbiss Ransburg BGK . . . . .</b>	<b>C2532</b>
Catalytic Industrial Systems . . . . .	C2421
<b>Chemical Coaters Assoc Int'l . . . . .</b>	<b>C1948</b>
<b>Col-Met Spray Booths Inc. . . . .</b>	<b>C2537</b>
Combustion and Systems Inc . . . . .	C2411
Eisenmann Corp . . . . .	C2439
Fostoria Process Equipment . . . . .	C2148
General Automatic Transfer . . . . .	C2550
General Fabrications Corp. . . . .	C2648
<b>George Koch Sons LLC . . . . .</b>	<b>C2521</b>
Global Finishing Solutions . . . . .	C2151
Guspro Inc . . . . .	C1952
Haynncorp Industrial Finishing Solutions . . . . .	C2360
Intech Services Inc . . . . .	C2163
<b>IntelliFinishing. . . . .</b>	<b>C2528</b>
<b>KMI Systems Inc. . . . .</b>	<b>C2722</b>
LS Industries Inc . . . . .	C8123
Midwest Finishing Systems Inc . . . . .	C2526
<b>Nordson Corp . . . . .</b>	<b>C2517</b>
Pneu-Mech Systems Manufacturing Inc. . . . .	C2539
Powder Coating. . . . .	C2356
Production Systems Inc. . . . .	C1858
Rapid Engineering. . . . .	C2610
Red-Ray Manufacturing Co Inc. . . . .	C2052
Spray-Tech/Junair. . . . .	C2164
Steelman Industries Inc . . . . .	C2058
Trimac Industrial Systems. . . . .	C2359

Vulcan Catalytic Infrared Oven Systems . . . . .	C2512
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## Ovens for Drying Parts

AFC Finishing Systems . . . . .	C2548
<b>Binks DeVilbiss Ransburg BGK . . . . .</b>	<b>C2532</b>
Eisenmann Corp . . . . .	C2439
Fostoria Process Equipment . . . . .	C2148
General Automatic Transfer . . . . .	C2550
General Fabrications Corp. . . . .	C2648
<b>George Koch Sons LLC . . . . .</b>	<b>C2521</b>
Global Finishing Solutions . . . . .	C2151
Haynncorp Industrial Finishing Solutions . . . . .	C2360
Intech Services Inc . . . . .	C2163
<b>IntelliFinishing. . . . .</b>	<b>C2528</b>
<b>KMI Systems Inc. . . . .</b>	<b>C2722</b>
LS Industries Inc . . . . .	C8123
Midwest Finishing Systems Inc . . . . .	C2526
Pneu-Mech Systems Manufacturing Inc. . . . .	C2539
Red-Ray Manufacturing Co Inc. . . . .	C2052
Spray-Tech/Junair. . . . .	C2164
Steelman Industries Inc . . . . .	C2058
Trimac Industrial Systems. . . . .	C2359
Vulcan Catalytic Infrared Oven Systems . . . . .	C2512

## Oven-Temperature Monitors/ Curing Analyzers - Finishing

Elcometer Inc. . . . .	N3126
<b>IntelliFinishing. . . . .</b>	<b>C2528</b>
LA-CO Industries/Markal . . . . .	N4802
Trimac Industrial Systems. . . . .	C2359

## Oxyfuel/Gas Cutting Machines

Ajan Elektronik Servis San Ve. . . . .	N5237
<b>AKS Cutting Systems Inc . . . . .</b>	<b>C5135</b>
Bug-O Systems . . . . .	N4813, N5013
Controlled Automation Inc . . . . .	C7730
Dynatorch Inc . . . . .	N4837
Etal/INDUX Sa De Cv . . . . .	N2433
Flame Technologies Inc. . . . .	N3219
Haco Atlantic Inc. . . . .	C3440
<b>Haco-Lasit. . . . .</b>	<b>C3440</b>
Harris Products Group. . . . .	N4509
HGG Profiling Equipment. . . . .	C8127
Kinetic Cutting Systems Inc . . . . .	C6311
<b>Koike Aronson Inc. . . . .</b>	<b>N4131</b>
Komatsu America Industries LLC . . . . .	C1239, C6510
Mathey Dearman . . . . .	N5710
<b>Messer Cutting Systems. . . . .</b>	<b>C5916</b>
MultiCam Inc. . . . .	C5516
Oxylance Inc . . . . .	N2228
Permadrur Industries Inc . . . . .	N3006

PythonX-Burlington Automation . . . . .	C8116
Vicon - Plasma Automation Inc. . . . .	N5031
Victor Technologies Intl Inc. . . . .	N4522
Victory Plasma Systems Inc . . . . .	N4833
Voortman Corporation. . . . .	C7739
Westingcut Industrial Technology Anhui Inc . . . . .	N1424
Witt Gas Controls . . . . .	N3124

## Packaging Machinery & Components

<b>Athader . . . . .</b>	<b>C5520</b>
Box On Demand by Plymouth Packaging . . . . .	C4824
<b>Bradbury Group Australia . . . . .</b>	<b>C5520</b>
Dr Shrink Inc . . . . .	C7314
Industrial Molded Rubber Products . . . . .	C4723
Machine Concepts Inc. . . . .	C4726
Minster Machine Co, The . . . . .	C649
Packsize LLC . . . . .	C1336
Samuel Strapping Systems. . . . .	C1524

## Packaging Materials

Cordstrap USA Inc. . . . .	C7433
Dr Shrink Inc . . . . .	C7314
Emmegi USA Inc . . . . .	C7323
Heritage Packaging. . . . .	C7548
<b>InfoSight Corp. . . . .</b>	<b>C5609</b>
<b>Long Haul Trucking . . . . .</b>	<b>C4349</b>
Packsize LLC . . . . .	C1336
rose plastic USA LP. . . . .	N3213
Ulbrich Stainless Steels & Special Metals Inc . . . . .	C1015

## Paint Application Equipment - Liquid

Anest Iwata USA Inc. . . . .	C2746
<b>Binks DeVilbiss Ransburg BGK . . . . .</b>	<b>C2532</b>
C.A. Technologies Inc . . . . .	C1763
<b>Chemical Coaters Assoc Int'l . . . . .</b>	<b>C1948</b>
EXEL North America . . . . .	C2264
<b>George Koch Sons LLC . . . . .</b>	<b>C2521</b>
<b>Graco Inc. . . . .</b>	<b>C2350</b>
<b>IntelliFinishing. . . . .</b>	<b>C2528</b>
Krautzberger LLC. . . . .	C1964
Midwest Finishing Systems Inc . . . . .	C2526
<b>Nordson Corp . . . . .</b>	<b>C2517</b>
Nylok LLC. . . . .	N1624
Pneu-Mech Systems Manufacturing Inc. . . . .	C2539
SKM Industries Inc . . . . .	N1717
Vulcan Catalytic Infrared Oven Systems . . . . .	C2512
Wagner Industrial Solutions. . . . .	C1951



## Paint Circulating Systems

Binks DeVilbiss Ransburg BGK . . . . .	C2532
Combustion and Systems Inc . . . . .	C2411
EXEL North America . . . . .	C2264
Global Finishing Solutions . . . . .	C2151
Graco Inc . . . . .	C2350
Krautzberger LLC . . . . .	C1964
Production Systems Inc. . . . .	C1858
Spray-Tech/Junair . . . . .	C2164

## Paint Drum Rotators, Mixers, Shakers

Binks DeVilbiss Ransburg BGK . . . . .	C2532
C.A. Technologies Inc . . . . .	C1763
Combustion and Systems Inc . . . . .	C2411
EXEL North America . . . . .	C2264
Graco Inc . . . . .	C2350

## Paint Manufacturers - Liquid

Cardinal Paint and Powder . . . . .	C1761
Chemical Coaters Assoc Int'l . . . . .	C1948
NIC Industries Inc . . . . .	C2426
PPG Industries . . . . .	C2739
SKM Industries Inc . . . . .	N1717
Strathmore Products Inc . . . . .	C1955

## Paint Overspray Recycling/Recovery Systems & Services

Eisenmann Corp . . . . .	C2439
EXEL North America . . . . .	C2264
KCI America Co Ltd . . . . .	C2062
Krautzberger LLC . . . . .	C1964
Wagner Industrial Solutions . . . . .	C1951

## Painting Equipment

American Finishing Resources . . . . .	C1855
Anest Iwata USA Inc. . . . .	C2746
Binks DeVilbiss Ransburg BGK . . . . .	C2532
C.A. Technologies Inc . . . . .	C1763
Chemical Coaters Assoc Int'l . . . . .	C1948
Col-Met Spray Booths Inc. . . . .	C2537
Decoral System USA Corp . . . . .	C1954
Delta Steel Technologies . . . . .	C5952
Duroair Technologies Inc. . . . .	C1362
Eisenmann Corp . . . . .	C2439
EXEL North America . . . . .	C2264
Gema . . . . .	C2750
George Koch Sons LLC . . . . .	C2521
Graco Inc . . . . .	C2350
IntelliFinishing . . . . .	C2528
Keyland Polymer Ltd . . . . .	C2063
Krautzberger LLC . . . . .	C1964
Mighty Hook Inc . . . . .	C2420
Parker Ionics/Parkwood Engineering . . . . .	C2523

## Pneu-Mech Systems

Manufacturing Inc. . . . .	C2539
SKM Industries Inc . . . . .	N1717
Spray-Tech/Junair . . . . .	C2164
Trimac Industrial Systems . . . . .	C2359
Vulcan Catalytic Infrared Oven Systems . . . . .	C2512
Wagner Industrial Solutions . . . . .	C1951

## Palitizers/Depalitizers, Stackers

Wayne Trail, a Lincoln Electric Company . . . . .	N4513
Webb-Stiles Co. . . . .	C2435
Weldcoa . . . . .	N3238

## Panel Benders

Baykal Makina Sanayi ve Ticaret AS . . . . .	C5940, C5947
Chicago Slitter . . . . .	C7023
Cidan Machinery Inc . . . . .	C3449
Elo Automated Stainless Steel Technologies Qingdao Co Ltd . . . . .	C8342
Haeusler AG . . . . .	C5540
International Technologies Inc . . . . .	C8111
Midwest Bender Services Corp . . . . .	C1728
Prima Power North America Inc . . . . .	C4336
RAS Systems LLC . . . . .	C6921
Ready Technology Inc . . . . .	C832
Salvagnini America Inc . . . . .	C3928

## Parts Straighteners

Machine Concepts Inc. . . . .	C4726
Minster Machine Co, The . . . . .	C649

## Pickling Equipment

ASKO Inc . . . . .	C4810
Bohler Welding Group USA Inc. . . . .	N2013
Bradford Derustit Corp . . . . .	N4804
Capital Weld Cleaners . . . . .	N3007
Delta Steel Technologies . . . . .	C5952
Innerspec Technologies . . . . .	N2217
Kolene Corp. . . . .	C2509
PKG Equipment Inc . . . . .	C1953

## Piercing Machines

AIM Inc . . . . .	C1832
INNOVO Corp . . . . .	C1758
Multipress Inc . . . . .	C1022
Proto-1 Manufacturing . . . . .	C1825
TOX Pressotechnik LLC . . . . .	C5024
Unipunch Products Inc. . . . .	C3732
Unittool Punch & Die. . . . .	C4708

## Plasma Cutting Machines & Components

Airgas Inc . . . . .	N5231
Ajan Elektronik Servis San Ve. . . . .	N5237

AKS Cutting Systems Inc . . . . .	C5135
American Torch Tip Co Inc. . . . .	N2022
Baykal Makina Sanayi ve Ticaret AS . . . . .	C5940, C5947
Boschert Precision Machinery Inc. . . . .	C2820
Bowlin Engineering . . . . .	C4838
Bug-O Systems . . . . .	N4813, N5013
Centricut . . . . .	C4935
CIMID Corp . . . . .	C8327
Cloos Robotic Welding Inc . . . . .	N3618
Controlled Automation Inc . . . . .	C7730
Durma USA . . . . .	C3949
Dynatorch Inc . . . . .	N4837
Environmental Air Solutions . . . . .	N6315
Ermak USA . . . . .	C3447
ESAB Welding & Cutting Products . . . . .	N3922
Friggi N.A. Inc . . . . .	C7642
Haco Atlantic Inc. . . . .	C3440
Haco-Lasit . . . . .	C3440
Heck Industries . . . . .	C4828
Hypertherm Inc . . . . .	N3906
JETCAM-NestONE Solutions . . . . .	C4722
JMT USA . . . . .	C5047
Kinetic Cutting Systems Inc . . . . .	C6311
KNUTH Machine Tools USA Inc . . . . .	C4910
Koike Aronson Inc . . . . .	N4131
Komatsu America Industries LLC . . . . .	C1239, C6510
Matheson . . . . .	N6122
MegaFab-Piranha-Whitney-Bertsch . . . . .	C5113
Messer Cutting Systems . . . . .	C5916
MetaMation Inc . . . . .	C3737
MultiCam Inc. . . . .	C5516
Murata Machinery USA Inc . . . . .	C3028
North (Nanjing) Instrument Technology Industries Group . . . . .	N3226
Ocean Machinery Inc . . . . .	C7523
Peddinghaus Corp . . . . .	C7723
Perfection Global LLC . . . . .	C3832
Permatur Industries Inc . . . . .	N3006
Praxair Inc . . . . .	N5202
Prodevco Industries Inc. . . . .	C8129
PythonX-Burlington Automation . . . . .	C8116
Rhino Cutting Systems . . . . .	N6138
Semyx LLC . . . . .	C6347
SteelTailor Ltd . . . . .	N4919
Termmei Torch & Tip Company . . . . .	N2526
Thermacut Inc . . . . .	N5508
Vicon - Plasma Automation Inc. . . . .	N5031
Victor Technologies Intl Inc . . . . .	N4522
Victory Plasma Systems Inc . . . . .	N4833
Voortman Corporation . . . . .	C7739
Walker Magnetics . . . . .	C7536





## Plasma Cutting Machines & Components

Westingcut Industrial Technology Anhui Inc . . . . .	N1424
<b>Wolf Robotics LLC</b> . . . . .	<b>N4910</b>

## Plate & Structural Fabricating Machines

<b>AKS Cutting Systems Inc</b> . . . . .	<b>C5135</b>
Akyapak . . . . .	C5545
ARKU Coil Systems Inc . . . . .	C7528
Behringer Saws Inc . . . . .	C5722
<b>Boschert Precision Machinery Inc.</b> . . . . .	<b>C2820</b>
Bug-O Systems . . . . .	N4813, N5013
<b>Carell Corp/Eagle</b>	
<b>Bending Machines</b> . . . . .	<b>C5928</b>
COMEQ Inc . . . . .	C5125
Controlled Automation Inc . . . . .	C7730
Durma USA . . . . .	C3949
Ermak USA . . . . .	C3447
Faccin USA Inc . . . . .	C6323
Ficep Corporation . . . . .	C6550
Friggi N.A. Inc . . . . .	C7642
Haco Atlantic Inc . . . . .	C3440
Heck Industries . . . . .	C4828
HGG Profiling Equipment . . . . .	C8127
<b>Hypertherm Inc</b> . . . . .	<b>N3906</b>
JMT USA . . . . .	C5047
Kinetic Cutting Systems Inc . . . . .	C6311
KoCos America LLC . . . . .	C2223
Masteel America Corp . . . . .	C3749
Ocean Machinery Inc . . . . .	C7523
Pandjiris Inc . . . . .	N4810
Peddinghaus Corp . . . . .	C7723
Perfection Global LLC . . . . .	C3832
PythonX-Burlington Automation . . . . .	C8116
Richardson Electronics Ltd . . . . .	C3721
Rimco Equipment . . . . .	N1631
<b>Scotchman Industries Inc</b> . . . . .	<b>C4923</b>
Superior Die Set Corp . . . . .	C658
TaurinGroup USA . . . . .	C1739
Unittool Punch & Die . . . . .	C4708
Victory Plasma Systems Inc . . . . .	N4833
Voortman Corporation . . . . .	C7739
Welding Alloys USA . . . . .	N4917
Weldsale LLC . . . . .	N5124
Yaskawa America Inc . . . . .	N5222

## Plate Bending Rolls

Akyapak . . . . .	C5545
Baileigh Industrial Inc . . . . .	C7513
C Marshall Fabrication Machinery . . . . .	C7716
<b>Carell Corp/Eagle</b>	
<b>Bending Machines</b> . . . . .	<b>C5928</b>
CIMID Corp . . . . .	C8327
COMEQ Inc . . . . .	C5125

DAVI Inc . . . . .	C3435
Durma USA . . . . .	C3949
Elo Automated Stainless Steel Technologies Qingdao Co Ltd . . . . .	C8342
Euromac/Metal Finish LLC . . . . .	C4716
Faccin USA Inc . . . . .	C6323
Haeusler AG . . . . .	C5540
JMT USA . . . . .	C5047
KNUTH Machine Tools USA Inc . . . . .	C4910
Masteel America Corp . . . . .	C3749
<b>MegaFab-Piranha-Whitney-Bertsch</b> . . . . .	<b>C5113</b>
Perfection Global LLC . . . . .	C3832
Sertom Group North America LLC . . . . .	C6911
TaurinGroup USA . . . . .	C1739
Trilogy Machinery Inc . . . . .	C5140
US Industrial Machinery Co . . . . .	C3049
Weldlogic Inc . . . . .	N5826

## Pneumatic Lifts, Aerial Work Platforms/Positioners

Flexarm Inc . . . . .	C7431
JMR Industrial . . . . .	C3752
LPI Inc . . . . .	C2424
Pacesetter Systems . . . . .	C1412
Rimco Equipment . . . . .	N1631

## Polishing Media

Almco Inc . . . . .	C1220
Alpha Professional Tools . . . . .	N6331
Armstrong/Kover Kwick Inc feat NCCM Mill Rolls . . . . .	C7047
Burr King Manufacturing Co . . . . .	C4740
Gem Tool Corporation . . . . .	C2320
Joysun Abrasives Co Ltd . . . . .	N3208
LS Industries Inc . . . . .	C8123
Rex-Cut Abrasives . . . . .	N2708
Rosler Metal Finishing USA LLC . . . . .	C7733
Wendt USA LLC . . . . .	N2606

## Polishing/Sanding/Buffering Equipment

Almco Inc . . . . .	C1220
Alpha Professional Tools . . . . .	N6331
AM Machinery Sales . . . . .	C5528
<b>Apex Machine Group/SlipCon USA</b> . . . . .	<b>C5528</b>
Armstrong/Kover Kwick Inc feat NCCM Mill Rolls . . . . .	C7047
Beilun Futuo Mechanical Tools Co Ltd . . . . .	N6026
Burr King Manufacturing Co . . . . .	C4740
Capital Weld Cleaners . . . . .	N3007
CIMID Corp . . . . .	C8327
Costa & Grissom Machinery Co . . . . .	C7516
CS Unitec Inc . . . . .	N5531
Dynabrade Inc . . . . .	C2409
Euromac/Metal Finish LLC . . . . .	C4716

Fein Power Tools Inc . . . . .	N5902
<b>Fladder-Hansen &amp; Hundebol Inc.</b> . . . . .	<b>C6328</b>
Global Metal Spinning Solutions Inc . . . . .	C934
Intech Services Inc . . . . .	C2163
Joysun Abrasives Co Ltd . . . . .	N3208
KLINGSPOR Abrasives Inc . . . . .	N3135
KULLEN - KOTI GmbH . . . . .	N3137
Lissmac Corp . . . . .	C4340
Metabo Corp . . . . .	N6131
<b>Norton Abrasives</b> . . . . .	<b>N2610</b>
Osborn . . . . .	C2737, N3309
PFERD INC . . . . .	N5018
Preston-Eastin Inc . . . . .	N5731
Pushcorp Inc . . . . .	N5934
Rex-Cut Abrasives . . . . .	N2708
Rosler Metal Finishing USA LLC . . . . .	C7733
Scantool USA By CML USA . . . . .	C7147
Suhner Industrial Products Inc . . . . .	N3010
Timesavers Inc . . . . .	C6340
Top Cat Air Tools . . . . .	C2361
United Abrasives Inc /SAIT . . . . .	N3104
Walter Surface Technologies . . . . .	N2628
Wendt USA LLC . . . . .	N2606
Wheelabrator Group . . . . .	C7121

## Pollution Control Chemicals - Finishing

Nederman Inc . . . . .	N1604
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## Pollution Control Equipment

Ace Industrial Products . . . . .	N5009
Airflow Systems Inc . . . . .	N1110
Avani Environmental Intl Inc . . . . .	N4537
Bowlin Engineering . . . . .	C4838
Clean Air Consultants/Filter 1 . . . . .	C2428
Coral Spa / Industrial Air Solutions . . . . .	N2813
Diversi-Tech Inc . . . . .	N1922
Donaldson Torit - Donaldson Company Inc . . . . .	C8121, N6028
DualDraw LLC . . . . .	N2506
Environmental Air Solutions . . . . .	N6315
<b>Goff's Enterprises Inc</b> . . . . .	<b>N2625</b>
Industrial Maid . . . . .	N2428
Kemper America Inc . . . . .	N2631
Micro Air . . . . .	N1806
Nederman Inc . . . . .	N1604
Pollution Control Products . . . . .	C2415
Tri-Mer Corp . . . . .	N2615
Walter Surface Technologies . . . . .	N2628
Weldsale LLC . . . . .	N5124

## Pollution Control Equipment - Finishing

Guspro Inc . . . . .	C1952
I.S.T. International Surface Technologies . . . . .	C1958

Industrial Maid .....	N2428
<b>Metcast Service Tech Resources</b> .....	<b>C6946</b>
Micro Air .....	N1806
Nederman Inc .....	N1604
Tri-Mer Corp .....	N2615

### Pollution Control Systems (Engineering & Design) - Finishing

Avani Environmental Intl Inc. ....	N4537
DualDraw LLC .....	N2506
Micro Air .....	N1806
Nederman Inc .....	N1604
Powder Coating Consultants. ....	C2422
Tri-Mer Corp .....	N2615

### Portable Power Tools

Alpha Professional Tools. ....	N6331
Bosch Power Tool Corp. ....	N5006
Chicago Pneumatic Tool Co. ....	C4750
Cleveland Steel Tool Co .....	C5522
Dynabrade Inc .....	C2409
EH Wachs Co. ....	N5713
ESCO Tool Co. ....	C5735
Heck Industries .....	C4828
Metabo Corp. ....	N6131
Michigan Pneumatic Tool Inc .....	N6034

### Orbitalum Orbital Cutting

<b>+ Welding</b> .....	<b>N5713</b>
PDS Bartech Inc. ....	N5917
PFERD INC. ....	N5018
Steelmax Tools .....	N4737
T-DRILL Industries Inc .....	C2121
Top Cat Air Tools .....	C2361
Tri Tool Inc .....	N5913
Wendt USA LLC. ....	N2606
York Portable Machine Tools .....	N2925

### Powder Coating Application & Recovery Equipment

AFC Finishing Systems .....	C2548
<b>Chemical Coaters Assoc Int'l</b> .....	<b>C1948</b>
<b>Col-Met Spray Booths Inc.</b> .....	<b>C2537</b>
Combustion and Systems Inc .....	C2411
Enhancement Technologies / Sublitex-Miroglio .....	C1561
EXEL North America .....	C2264
Fostoria Process Equipment .....	C2148
Gema .....	C2750
General Fabrications Corp. ....	C2648
<b>George Koch Sons LLC</b> .....	<b>C2521</b>
Global Finishing Solutions .....	C2151
<b>IntelliFinishing</b> .....	<b>C2528</b>
KCI America Co Ltd .....	C2062
Midwest Finishing Systems Inc .....	C2526
<b>Nordson Corp</b> .....	<b>C2517</b>

**Parker Ionics/Parkwood  
Engineering** .....

<b>Engineering</b> .....	<b>C2523</b>
Pneu-Mech Systems Manufacturing Inc. ....	C2539
Powder Coating .....	C2356
Powder-X Coating Systems. ....	C1262
Production Systems Inc. ....	C1858
Spray-Tech/Junair .....	C2164
Trimac Industrial Systems. ....	C2359
Vulcan Catalytic Infrared Oven Systems .....	C2512
Wagner Industrial Solutions .....	C1951

### Powder Coating Sieves, Screening Devices, Sifters

Combustion and Systems Inc .....	C2411
Gema .....	C2750
Inline Sieve .....	C2552
KCI America Co Ltd .....	C2062
<b>Nordson Corp</b> .....	<b>C2517</b>
<b>Parker Ionics/Parkwood Engineering</b> .....	<b>C2523</b>
Powder Coating .....	C2356
Wagner Industrial Solutions .....	C1951

### Powder Coatings Manufacturers

AkzoNobel Powder Coatings. ....	C2258
Cardinal Paint and Powder .....	C1761
<b>Chemical Coaters Assoc Int'l</b> .....	<b>C1948</b>
Combustion and Systems Inc .....	C2411
Decoral System USA Corp .....	C1954
Diamond Vogel Paints. ....	C2414
<b>DuPont Industrial CoatingSolutions</b> .....	<b>C2542</b>
General Automatic Transfer .....	C2550
Global Finishing Solutions .....	C2151
Intech Services Inc .....	C2163
KCI America Co Ltd .....	C2062
Keyland Polymer Ltd .....	C2063
NIC Industries Inc .....	C2426
Powder Coating .....	C2356
PPG Industries .....	C2739
Spray-Tech/Junair .....	C2164

### Power Supplies for Electrostatic Processes

Gema .....	C2750
Intech Services Inc .....	C2163

### Power Transmission Products

Atlanta Drive Systems Inc. ....	C8323
Nadella .....	C7150



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## Press Automation Transfer Equipment

AIDA-America Corp.	C1210
ATI Industrial Automation	N5708
<b>Beckwood Press Co.</b>	<b>C1228</b>
Bettcher Manufacturing LLC	C1053
Kong NGAI Precision Metal Mould Shenzhen Co Ltd	C856
P&G Fluid Power Inc	C1320
Reis Robotics USA Inc.	N5910
Schuler Incorporated	C917
Wayne Trail, a Lincoln Electric Company	N4513

## Press Brakes (All-Electric)

ARKU Coil Systems Inc	C7528
Automec Inc	C4832
Baykal Makina Sanayi ve Ticaret AS	C5940, C5947
Bettcher Manufacturing LLC	C1053
COMEQ Inc	C5125
Enutron International	C7750
Ermak USA	C3447
International Technologies Inc	C8111
Jet	C5923
Lantek Systems Inc	C4940
Lazer Safe Pty Ltd	C3824
Linemaster Switch Corp	C2324
Manufacturing Solutions	C8429
<b>MC Machinery Systems Inc/ Mitsubishi</b>	<b>C3040</b>
Prima Power North America Inc	C4336
<b>Salvagnini America Inc</b>	<b>C3928</b>
Tapeswitch Corp	C3813
<b>TRUMPF Inc.</b>	<b>C3016</b>
Wila USA	C5709

## Press Brakes (Hydraulic)

<b>Accurpress America Inc</b>	<b>C3047</b>
Alternative Parts Inc	C3726
<b>Amada America Inc.</b>	<b>C3916</b>
Automec Inc	C4832
Baileigh Industrial Inc	C7513
Baykal Makina Sanayi ve Ticaret AS	C5940, C5947
<b>Betenbender Manufacturing Inc.</b>	<b>C3744</b>
Bettcher Manufacturing LLC	C1053
<b>Boschert Precision Machinery Inc.</b>	<b>C2820</b>
<b>Bystronic Inc</b>	<b>C4328</b>
C Marshall Fabrication Machinery	C7716
Changzhou Huatong Welding Industry Co Ltd	N6310
COMEQ Inc	C5125
Dake Corporation	C6923
Durma USA	C3949
Edwards Manufacturing Co	C7116

Enutron International	C7750
Ermak USA	C3447
GINGRAS/Machinerie G A S	C3822
Haco Atlantic Inc	C3440
Jet	C5923
JMT USA	C5047
Ketec Precision Tooling Co LTD	C3834
KNUTH Machine Tools USA Inc	C4910
Lazer Safe Pty Ltd	C3824
Linemaster Switch Corp	C2324
<b>LVD Stripit</b>	<b>C3937</b>
Machinery Marketing Intl	C8337
Masteel America Corp	C3749
<b>MC Machinery Systems Inc/ Mitsubishi</b>	<b>C3040</b>
Midwest Tool Inc	C4826
Perfection Global LLC	C3832
Prestige Equipment Corporation	C7214
Prima Power North America Inc	C4336
<b>Salvagnini America Inc</b>	<b>C3928</b>
<b>TRUMPF Inc.</b>	<b>C3016</b>
Unittool Punch & Die	C4708
US Industrial Machinery Co	C3049
Wila USA	C5709
Wysong Parts and Service	C1023

## Press Brakes (Hydromechanical)

<b>Accurpress America Inc</b>	<b>C3047</b>
Automec Inc	C4832
Ermak USA	C3447
Prestige Equipment Corporation	C7214
Wila USA	C5709
Wysong Parts and Service	C1023

## Press Brakes (Mechanical)

Automec Inc	C4832
Ermak USA	C3447
Heim Group, The	C1331
Jet	C5923
Ketec Precision Tooling Co LTD	C3834
Magnetic Products Inc	C5510
Midwest Tool Inc	C4826
Precision Stamping Products	C1158
Prestige Equipment Corporation	C7214
Wysong Parts and Service	C1023

## Press Brakes (Pneumatic)

C Marshall Fabrication Machinery	C7716
Jet	C5923
Ketec Precision Tooling Co LTD	C3834
Linemaster Switch Corp	C2324
Ross Controls	C849
Unittool Punch & Die	C4708

## Press Controls

Alternative Parts Inc	C3726
AP&T North America Inc	C1231
CIECO Inc	C1334
<b>Radan</b>	<b>C3747</b>
Tapeswitch Corp	C3813
Toledo Blank	C1149
TOX Pressotechnik LLC	C5024
Wintriss Controls	C3711

## Press Counter Balance

CIECO Inc	C1334
Wintriss Controls	C3711

## Press Feeds

AIDA-America Corp.	C1210
Alma Machinery Co.	C1431
Industrial Magnetics Inc	C5728
Minster Machine Co, The	C649
Norwalk Innovation	C1055
Red Bud Industries	C4732
SEYI America Inc.	C653
Sutherland Presses	C152

## Presses - Deep Drawing

AIDA-America Corp.	C1210
Alma Machinery Co.	C1431
Ampco Metal Inc.	C2326
AP&T North America Inc.	C1231
<b>Beckwood Press Co.</b>	<b>C1228</b>
Bettcher Manufacturing LLC	C1053
Enprotech Industrial Technologies LLC	C1439
Greenerd Press & Machine Company Inc	C815
Kong NGAI Precision Metal Mould Shenzhen Co Ltd	C856
Macrodyne Technologies Inc	C252
Minster Machine Co, The	C649
Multipress Inc	C1022
Ningbo Hi-Tech Moldie Machinery Co Ltd	C356
Ross Controls	C849
Schuler Incorporated	C917
SEYI America Inc.	C653
Stamtec Presses	C1052
Sutherland Presses	C152
<b>Triform Sheet Hydroforming</b>	<b>C1226</b>
Uelner Precision Tools & Dies	C937

## Presses - Dishing

<b>Beckwood Press Co.</b>	<b>C1228</b>
CIMID Corp	C8327
Enprotech Industrial Technologies LLC	C1439





Greenerd Press & Machine Company Inc ..... C815  
 Macrodyne Technologies Inc ..... C252  
 Multipress Inc ..... C1022  
**Triform Sheet Hydroforming ..... C1226**

**Presses - Fineblanking**

AIDA-America Corp ..... C1210  
 Enprotech Industrial Technologies LLC ..... C1439  
 Macrodyne Technologies Inc ..... C252  
 Minster Machine Co, The ..... C649  
 Multipress Inc ..... C1022  
 Ross Controls ..... C849  
 SEYI America Inc ..... C653  
 Stamtec Presses ..... C1052

**Presses - Forging**

**Beckwood Press Co ..... C1228**  
 Gerb Vibration Control Systems ..... C852  
 Interlaken Technology ..... C947  
 Ningbo Hi-Tech Moldie Machinery Co Ltd ..... C356  
 Schuler Incorporated ..... C917  
 Stamtec Presses ..... C1052  
 Sutherland Presses ..... C152

**Presses - Hot Stamping**

AP&T North America Inc ..... C1231  
**Beckwood Press Co ..... C1228**  
 Enprotech Industrial Technologies LLC ..... C1439  
 Greenerd Press & Machine Company Inc ..... C815  
 Interlaken Technology ..... C947  
 Macrodyne Technologies Inc ..... C252  
 Schuler Incorporated ..... C917  
 Sutherland Presses ..... C152

**Presses - Hydraulic (Column Style/Post)**

Alma Machinery Co ..... C1431  
**American Machine & Rollform Tech. C5520**  
 AP&T North America Inc ..... C1231  
**Beckwood Press Co ..... C1228**  
 Bettcher Manufacturing LLC ..... C1053  
 Elo Automated Stainless Steel Technologies Qingdao Co Ltd .... C8342  
 Enprotech Industrial Technologies LLC ..... C1439  
 Gerb Vibration Control Systems ..... C852

Greenerd Press & Machine Company Inc ..... C815  
 Interlaken Technology ..... C947  
 Macrodyne Technologies Inc ..... C252  
 Multipress Inc ..... C1022  
 Perfection Global LLC ..... C3832  
 PHI ..... C2122  
 Schuler Incorporated ..... C917  
 SEYI America Inc ..... C653  
 Stamtec Presses ..... C1052  
 Sutherland Presses ..... C152  
 TOX Pressotechnik LLC ..... C5024  
**Triform Sheet Hydroforming ..... C1226**

**Presses - Hydraulic (Gap/C Frame)**

Alma Machinery Co ..... C1431  
**Beckwood Press Co ..... C1228**  
**Betenbender Manufacturing Inc. .... C3744**  
 Brown Boggis ..... C1409  
 Controlled Automation Inc ..... C7730  
 Dake Corporation ..... C6923  
 Enprotech Industrial Technologies LLC ..... C1439

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## Presses - Hydraulic (Gap/C Frame)

Greenerd Press & Machine Company Inc	C815
Haco Atlantic Inc	C3440
Haco-Lasit	C3440
KNUTH Machine Tools USA Inc	C4910
Macrodyne Technologies Inc	C252
Multipress Inc	C1022
Proto-1 Manufacturing	C1825
Samco Machinery Ltd	C1217
SEYI America Inc	C653
Stamtec Presses	C1052
Sutherland Presses	C152
TOX Pressotechnik LLC	C5024
Triform Sheet Hydroforming	C1226

## Presses - Hydraulic (Servo-Drive)

American Machine & Rollform Tech	C5520
AP&T North America Inc	C1231
Brown Boggs	C1409
Clips & Clamps Industries	C148
Interlaken Technology	C947
LVD Strippit	C3937
Samco Machinery Ltd	C1217
Stamtec Presses	C1052

## Presses - Hydraulic (Straight Side)

Alma Machinery Co	C1431
AP&T North America Inc	C1231
Beckwood Press Co	C1228
Brown Boggs	C1409
D&H Machinery Inc	C2112
Greenerd Press & Machine Company Inc	C815
Macrodyne Technologies Inc	C252
Multipress Inc	C1022
Proto-1 Manufacturing	C1825
Schuler Incorporated	C917
SEYI America Inc	C653
Stamtec Presses	C1052
Sutherland Presses	C152
Triform Sheet Hydroforming	C1226

## Presses - Hydroforming (Sheet)/Elastoforming/ Rubber Pad

Alma Machinery Co	C1431
AP&T North America Inc	C1231
Beckwood Press Co	C1228
CIMID Corp	C8327
Enprotech Industrial Technologies LLC	C1439

Interlaken Technology	C947
Macrodyne Technologies Inc	C252
Multipress Inc	C1022
PHI	C2122
Polyurethane Products Corp	C3811
Prestige Equipment Corporation	C7214
Triform Sheet Hydroforming	C1226

## Presses - Mechanical (Gap/C Frame)

AIDA-America Corp	C1210
Alma Machinery Co	C1431
Bettcher Manufacturing LLC	C1053
Bliss Clearing Niagara	C933
Brown Boggs	C1409
Heim Group, The	C1331
Minster Machine Co, The	C649
Perfection Global LLC	C3832
Premier Tooling & Mfg Inc	C1032
Ross Controls	C849
Samco Machinery Ltd	C1217
SEYI America Inc	C653
Stamtec Presses	C1052
Stripmatic Products Inc	C1415
Sutherland Presses	C152

## Presses - Mechanical (Servo-Drive)

AIDA-America Corp	C1210
American Machine & Rollform Tech	C5520
Beck Automation	C5520
Brown Boggs	C1409
Clips & Clamps Industries	C148
Komatsu America Industries LLC	C1239, C6510
Premier Tooling & Mfg Inc	C1032
Ross Controls	C849
Samco Machinery Ltd	C1217
Schuler Incorporated	C917
SEYI America Inc	C653
Stamtec Presses	C1052
Stripmatic Products Inc	C1415
Uelner Precision Tools & Dies	C937

## Presses - Mechanical (Straight Side)

AIDA-America Corp	C1210
Alma Machinery Co	C1431
Bliss Clearing Niagara	C933
Brown Boggs	C1409
Bruderer Machinery Inc	C925
Enprotech Industrial Technologies LLC	C1439
Gerb Vibration Control Systems	C852
Heim Group, The	C1331
Minster Machine Co, The	C649

Perfection Global LLC	C3832
Premier Tooling & Mfg Inc	C1032
Ross Controls	C849
Schuler Incorporated	C917
SEYI America Inc	C653
Stamtec Presses	C1052
Stripmatic Products Inc	C1415
Sutherland Presses	C152
Toledo Blank	C1149
Uelner Precision Tools & Dies	C937

## Presses - Pneumatic

Anchor Danly	C931
Attexor Clinch Systems SA	C5622
Brown Boggs	C1409
Clips & Clamps Industries	C148
Dake Corporation	C6923
Nucor Building Systems	C1255
PHI	C2122
Ross Controls	C849
TOX Pressotechnik LLC	C5024

## Presses - Punch (Single Station)

American Machine & Rollform Tech	C5520
American Punch Co	C5026
Anomatic Corp	C2452
Attexor Clinch Systems SA	C5622
Baykal Makina Sanayi ve Ticaret AS	C5940, C5947
Beckwood Press Co	C1228
Behringer Saws Inc	C5722
Bettcher Manufacturing LLC	C1053
Boschert Precision Machinery Inc	C2820
Centerline (Windsor) Ltd	N1926
Cleveland Punch & Die Co	C5711
Cleveland Steel Tool Co	C5522
COMEQ Inc	C5125
Controlled Automation Inc	C7730
Durma USA	C3949
Edwards Manufacturing Co	C7116
Ermak USA	C3447
Euromac/Metal Finish LLC	C4716
Gerb Vibration Control Systems	C852
Greenerd Press & Machine Company Inc	C815
Haco Atlantic Inc	C3440
Heim Group, The	C1331
Macrodyne Technologies Inc	C252
Manufacturing Solutions	C8429
Marion Die & Fixture Inc	C5520
Multipress Inc	C1022
Nitto Kohki USA Inc	C1510
SEYI America Inc	C653
SigmaTEK Systems LLC	C4932
Stamtec Presses	C1052





- Trilogy Machinery Inc ..... C5140  
**TRUMPF Inc.** ..... **C3016**  
 Whistler & Sons Inc, SB ..... C4720
- Presses - Punch (Turret)**
- Alternative Parts Inc ..... C3726  
**Amada America Inc.** ..... **C3916**  
 Baykal Makina Sanayi  
   ve Ticaret AS ..... C5940, C5947  
 Behringer Saws Inc ..... C5722  
**Boschert Precision Machinery Inc.** ..... **C2820**  
 Cleveland Punch & Die Co ..... C5711  
 Durma USA ..... C3949  
 Elo Automated Stainless Steel  
   Technologies Qingdao Co Ltd ..... C8342  
 Ermak USA ..... C3447  
 Euromac/Metal Finish LLC ..... C4716  
 Haco Atlantic Inc ..... C3440  
**Haco-Lasit** ..... **C3440**  
 International Technologies Inc ..... C8111  
 JETCAM-NestONE Solutions ..... C4722  
 JMT USA ..... C5047  
 Ketec Precision Tooling Co LTD ..... C3834  
 KNUTH Machine Tools USA Inc ..... C4910  
 Lantek Systems Inc ..... C4940  
**LVD Strippit** ..... **C3937**  
 Manufacturing Solutions ..... C8429  
 MetaMation Inc ..... C3737  
**Murata Machinery USA Inc** ..... **C3028**  
 Perfection Global LLC ..... C3832  
 Prestige Equipment Corporation ..... C7214  
 Prima Power North America Inc ..... C4336  
**Salvagnini America Inc.** ..... **C3928**  
**SigmaTEK Systems LLC.** ..... **C4932**  
**TRUMPF Inc.** ..... **C3016**
- Presses - Superplastic Forming**
- Beckwood Press Co.** ..... **C1228**  
 Macrodyne Technologies Inc ..... C252  
**Triform Sheet Hydroforming** ..... **C1226**
- Presses - Transfer**
- AIDA-America Corp ..... C1210  
**Anomatic Corp.** ..... **C2452**  
 AP&T North America Inc ..... C1231  
**Beckwood Press Co.** ..... **C1228**  
 Enprotech Industrial  
   Technologies LLC ..... C1439  
 Gerb Vibration Control Systems ..... C852  
 Greenerd Press &  
   Machine Company Inc ..... C815  
 Linear Transfer Automation Inc ..... C1223  
 Macrodyne Technologies Inc ..... C252  
 Minster Machine Co, The ..... C649  
 Premier Tooling & Mfg Inc ..... C1032  
 Ross Controls ..... C849
- Schuler Incorporated ..... C917  
 SEYI America Inc ..... C653  
 Stamtec Presses ..... C1052  
 Sutherland Presses ..... C152  
 Uelner Precision Tools & Dies ..... C937
- Pressure Regulators/Valves/  
 Flow Meters (Fluid)**
- EXEL North America ..... C2264  
 Pacesetter Systems ..... C1412  
 Swagelok Marketing Services Co. ... N3431
- Pressure Regulators/Valves/  
 Flow Meters (Gas)**
- Airgas Inc ..... N5231  
 Chart Inc ..... N3204  
 Flame Technologies Inc ..... N3219  
 Genstar Technologies Inc ..... N2822  
 Harris Products Group ..... N4509  
 North (Nanjing) Instrument  
   Technology Industries Group. .... N3226  
 Red-Ray Manufacturing Co Inc ..... C2052  
 REXARC International ..... N1515  
 Swagelok Marketing Services Co. ... N3431  
 Uniweld Products Inc ..... N5113  
 Western Enterprises ..... N2933
- Pretreatment Chemicals -  
 Finishing**
- Bulk Chemicals Inc ..... C2433  
**Calvary Industries Inc** ..... **C2734**  
 Carpenter Chemicals LC ..... C2712  
**Chemetall US Inc.** ..... **C2709**  
**Chemical Coaters Assoc Int'l** ..... **C1948**  
 Chemtool Inc ..... C660  
 Coral Chemical Co ..... C2417  
 DMP Corp ..... C2054  
 DuBois Chemicals ..... C2545  
 DuBois Chemicals ..... C4938  
 Electro-Steam Generator Corp ..... C2410  
 Hubbard-Hall Inc ..... C2156  
 Intech Services Inc ..... C2163  
 International Chemical Co ..... C1232  
 Midwest Finishing Systems Inc ..... C2526  
 Powder Coating ..... C2356
- Profile Cutting Machinery**
- AKS Cutting Systems Inc** ..... **C5135**  
 Elo Automated Stainless Steel  
   Technologies Qingdao Co Ltd ..... C8342  
 ESCO Tool Co ..... C5735  
 Haberle / Ken Bergman  
   & Assoc LLC ..... C7137  
 HGG Profiling Equipment ..... C8127  
**Hypertherm Inc** ..... **N3906**  
**Koike Aronson Inc** ..... **N4131**
- Ningbo Jinfeng Welding & Cutting  
 Machinery Manufacture Co Ltd ... N6007  
 Red Rock Automation/  
   Romar/MEC ..... N4805  
 Rhino Cutting Systems ..... N6138  
 Steelmax Tools ..... N4737  
 Toolmen Corp ..... C1253  
 Victory Plasma Systems Inc ..... N4833  
 voestalpine – Roll Forming  
   Corp & Rotec Inc ..... C4725  
 Westingcut Industrial  
   Technology Anhui Inc ..... N1424
- Protectors - Covers/Caps/  
 Film/Tape**
- Armstrong/Kover Kwick  
 Inc feat NCCM Mill Rolls ..... C7047  
 Buffalo Shrink Wrap ..... N2210  
 Dr Shrink Inc ..... C7314  
 Heritage Packaging ..... C7548  
**Mighty Hook Inc** ..... **C2420**  
 Novacel Inc ..... C8433  
 Polyurethane Products Corp ..... C3811  
**Steel King Industries Inc** ..... **C1057**
- Proximity Switches**
- Alternative Parts Inc ..... C3726
- Publishing**
- Aerospace Manufacturing  
 and Design ..... C8338  
 CFCM Canadian Finishing  
   & Coatings Manufacturing ..... C2747  
**Chemical Coaters Assoc Int'l** ..... **C1948**  
**Compressed Air** ..... **N3034**  
 Expansion Solutions Magazine ..... C7346  
**Fabricating & Metalworking  
 Magazine** ..... **C8508**  
 Fabricator, The ..... C8227  
**Fabricators & Manufacturers  
 Association** ..... **C6538**  
**FF Journal Magazine** ..... **C8236**  
 Industrial Laser Solutions ..... C8520  
**Industrial Machinery Digest** ..... **C8506**  
 Industrial Market Place ..... C5036  
 Job Shop Company, The ..... C5035  
 Manufacturing News ..... C4936  
 Powder Coating ..... C2356  
**Precision Metalforming  
 Association** ..... **C463**  
 Products Finishing Magazine ..... C2254  
 Sanpo Publications Inc ..... N1507  
**Society of Manufacturing  
 Engineers** ..... **C6542**  
 SteelOrbis ..... C3751  
 Technical Translation Services ..... N2604





## Pumps - Finishing

Anest Iwata USA Inc. ....	C2746
<b>Binks DeVilbiss Ransburg BGK</b> .....	<b>C2532</b>
DMP Corp .....	C2054
EXEL North America .....	C2264
Gema .....	C2750
General Automatic Transfer .....	C2550
General Fabrications Corp. ....	C2648
<b>Graco Inc</b> .....	<b>C2350</b>
Inline Sieve .....	C2552
Intech Services Inc .....	C2163
Krautzberger LLC .....	C1964
Midwest Finishing Systems Inc ....	C2526
Nation Coating Systems Inc .....	N2416
<b>Nordson Corp</b> .....	<b>C2517</b>
Pangborn Corp. ....	C6516
<b>Walther Pilot North America</b> .....	<b>C2609</b>

## Punching - CNC Bus Par

COMEQ Inc .....	C5125
Machinery Marketing Intl .....	C8337

## Punching - Coil fed CNC

<b>Beckwood Press Co.</b> .....	<b>C1228</b>
Bettcher Manufacturing LLC .....	C1053
<b>Chicago Slitter.</b> .....	<b>C7023</b>

## Purge Paper, Tapes

<b>Aquasol Corp.</b> .....	<b>N3613</b>
Daymark Technologies .....	N2222
Intercon Enterprises Inc .....	N3227
PROFAX / LENCO .....	N3013
Sumner Manufacturing Co Inc .....	N1519

## Purging Equipment - Gases

<b>Aquasol Corp.</b> .....	<b>N3613</b>
Chart Inc .....	N3204
COB Industries Inc. ....	N5919
Daymark Technologies .....	N2222
Generon IGS .....	C5547
Harris Products Group .....	N4509
Intercon Enterprises Inc .....	N3227
OKI Bering .....	N4531
Weldcoa .....	N3238

## Purging Equipment - Welding

<b>Aquasol Corp.</b> .....	<b>N3613</b>
Daymark Technologies .....	N2222
Western Enterprises .....	N2933

## Quick Die Change Systems or Engineering

5S Supply .....	C3454
AP&T North America Inc. ....	C1231
ATI Industrial Automation .....	N5708

EAS Mold & Die Change Systems, Inc .....	C1026
Hilma Division Carr Lane Roemheld .....	C449
JIT Automation Inc .....	C756
Kosmek USA .....	C1054
<b>Marion Die &amp; Fixture Inc.</b> .....	<b>C5520</b>
Pacesetter Systems .....	C1412
<b>Penn United Technologies Inc.</b> .....	<b>C1420</b>

## Racks, Fixtures, Hooks & Hangers for Painting Processes

American Finishing Resources .....	C1855
JMR Industrial .....	C3752
<b>Magic Rack/Production Plus Corp.</b> ..	<b>C2724</b>
<b>Mighty Hook Inc</b> .....	<b>C2420</b>
Southern Systems Inc .....	C2256
<b>Steel King Industries Inc.</b> .....	<b>C1057</b>

## Replacement Parts - Machinery/Equipment

Advanced Laser Services LLC .....	C5634
<b>Alliance Machine and Engraving LLC</b> .....	<b>C5520</b>
Alternative Parts Inc .....	C3726
<b>Apex Machine Group/ SlipCon USA</b> .....	<b>C5528</b>
Bliss Clearing Niagara .....	C933
Dongsan Bearing Co .....	C833
Emmegi USA Inc .....	C7323
FomUSA .....	C6914
H2O JET Inc .....	C5713
Industrial Molded Rubber Products ..	C4723
International Technologies Inc .....	C8111
International Welding Technologies Inc ..	N1724
Lambda Research Optics Inc. ....	C5633
Meltric Corp .....	N4826
Nadella .....	C7150
Ningbo Hi-Tech Moldie Machinery Co Ltd ..	C356
Ogden Welding Systems .....	N3035
Pacesetter Systems .....	C1412
PDS Bartech Inc. ....	N5917
<b>PTR-Precision Technologies Inc</b> .....	<b>N5226</b>
Ready Technology Inc .....	C832
Semyx LLC .....	C6347
Tapeswitch Corp .....	C3813
York Portable Machine Tools .....	N2925

## Research & Development Services

<b>Anomatic Corp.</b> .....	<b>C2452</b>
Nation Coating Systems Inc .....	N2416
NIST .....	C8421
North America Consulting .....	N6333

OES Inc .....	C248
Vacco Industries .....	C8431

## Robotic Equipment - Assembly

ABB Inc .....	N6102
AGT .....	N2333
ATI Industrial Automation .....	N5708
Attexor Clinch Systems SA .....	C5622
Daifuku Webb .....	C2425
FANUC Robotics America Corp. ....	N3917
Fusion Inc .....	N3313
Genesis Systems Group .....	N3913
KUKA Robotics Corporation .....	N5702
<b>Motoman Robotics Division</b> .....	<b>N5222</b>
<b>Nachi Robotic Systems Inc</b> .....	<b>N3622</b>
Reis Robotics USA Inc. ....	N5910
Rethink Robotics .....	N1313
Robotiq .....	N6119
RPS Robot Protection Systems Inc ..	N6316
Staubli Corp Multi Contact USA .....	N3636
Turck Inc .....	C1312
<b>Wauseon Machine &amp; Manufacturing Inc.</b> .....	<b>C1539</b>
Yaskawa America Inc .....	N5222

## Robotic Equipment - Cutting

ABB Inc .....	N6102
AGT .....	N2333
Alma Cam USA LLC .....	C4834
American Torch Tip Co Inc. ....	N2022
Arc Specialties Inc .....	N1610
Cloos Robotic Welding Inc .....	N3618
Dynatorch Inc .....	N4837
FANUC Robotics America Corp. ....	N3917
Flow International Corp. ....	C5911
Genesis Systems Group .....	N3913
HGG Profiling Equipment .....	C8127
KMT Waterjet Systems Inc .....	C6334
KUKA Robotics Corporation .....	N5702
Laser Mechanisms Inc .....	C3810
LT Ultra Precision Optics .....	C8223
Machinery Marketing Intl .....	C8337
<b>Motoman Robotics Division</b> .....	<b>N5222</b>
MultiCam Inc .....	C5516
<b>Nachi Robotic Systems Inc</b> .....	<b>N3622</b>
Prodevco Industries Inc .....	C8129
Pushcorp Inc .....	N5934
PythonX-Burlington Automation ....	C8116
Reis Robotics USA Inc. ....	N5910
Robotic Technologies of TN .....	N6025
Robotmaster-In-House Solutions Inc. ....	N5933
RPS Robot Protection Systems Inc ..	N6316
Staubli Corp Multi Contact USA .....	N3636
Steelmax Tools .....	N4737
SteelTailor Ltd .....	N4919



Voortman Corporation .....	C7739
Wayne Trail, a Lincoln Electric Company .....	N4513
Westingcut Industrial Technology Anhui Inc .....	N1424
<b>Wolf Robotics LLC .....</b>	<b>N4910</b>
Yaskawa America Inc .....	N5222

**Robotic Equipment - Deburring/Grinding/Polishing**

ABB Inc .....	N6102
Abtex Corp. ....	C7547
AGT .....	N2333
ATI Industrial Automation .....	N5708
CIMID Corp .....	C8327
Comco Inc .....	C5052
FANUC Robotics America Corp. ....	N3917
Frommelt Safety Products .....	N4827
Genesis Systems Group .....	N3913
Hollbirt Inc. ....	N6317
KUKA Robotics Corporation .....	N5702
Lissmac Corp. ....	C4340
<b>Motoman Robotics Division .....</b>	<b>N5222</b>
<b>Nachi Robotic Systems Inc .....</b>	<b>N3622</b>
Pushcorp Inc .....	N5934
Reis Robotics USA Inc. ....	N5910
Rex-Cut Abrasives .....	N2708
Robotic Technologies of TN .....	N6025
Robotmaster-In-House Solutions Inc. ....	N5933
RPS Robot Protection Systems Inc ..	N6316
Staubli Corp Multi Contact USA. ....	N3636
<b>Wolf Robotics LLC .....</b>	<b>N4910</b>
Yaskawa America Inc .....	N5222

**Robotic Equipment - Finishing**

ABB Inc .....	N6102
AGT .....	N2333
ATI Industrial Automation .....	N5708
Comco Inc .....	C5052
EXEL North America .....	C2264
FANUC Robotics America Corp. ....	N3917
Krautzberger LLC .....	C1964
<b>Motoman Robotics Division .....</b>	<b>N5222</b>
<b>Nachi Robotic Systems Inc .....</b>	<b>N3622</b>
<b>Nordson Corp .....</b>	<b>C2517</b>
Production Systems Inc. ....	C1858
Pushcorp Inc .....	N5934
Rethink Robotics .....	N1313
RPS Robot Protection Systems Inc ..	N6316
Staubli Corp Multi Contact USA. ....	N3636
TWN Industries Inc .....	C2446
Wheelabrator Group .....	C7121
Yaskawa America Inc .....	N5222

**Robotic Equipment - Laser Vision**

ABB Inc .....	N6102
AGT .....	N2333
FANUC Robotics America Corp. ....	N3917
Meltools LLC .....	N1618
Meta Vision Systems Inc .....	N5015
<b>Motoman Robotics Division .....</b>	<b>N5222</b>
<b>Nachi Robotic Systems Inc .....</b>	<b>N3622</b>
RPS Robot Protection Systems Inc ..	N6316
Staubli Corp Multi Contact USA. ....	N3636
SteelTailor Ltd .....	N4919
Yaskawa America Inc .....	N5222

**Robotic Equipment - Machining**

ABB Inc .....	N6102
AGT .....	N2333
Bettcher Manufacturing LLC .....	C1053
Chemtool Inc .....	C660
CM Industries Inc .....	N2810
Emmegi USA Inc .....	C7323
FANUC Robotics America Corp. ....	N3917
Genesis Systems Group .....	N3913
KUKA Robotics Corporation .....	N5702
<b>Motoman Robotics Division .....</b>	<b>N5222</b>
<b>Nachi Robotic Systems Inc .....</b>	<b>N3622</b>
Pushcorp Inc .....	N5934
Reis Robotics USA Inc. ....	N5910
Robotmaster-In-House Solutions Inc. ....	N5933
RPS Robot Protection Systems Inc ..	N6316
Staubli Corp Multi Contact USA. ....	N3636
Tapeswitch Corp .....	C3813
Yaskawa America Inc .....	N5222
York Portable Machine Tools .....	N2925

**Robotic Equipment - Material Handling/Tending**

ABB Inc .....	N6102
<b>Accurpress America Inc .....</b>	<b>C3047</b>
AIM Inc .....	C1832
Alma Cam USA LLC .....	C4834
AP&T North America Inc. ....	C1231
ATI Industrial Automation .....	N5708
Electron Beam Technologies Inc. ....	N3210
FANUC Robotics America Corp. ....	N3917
Frommelt Safety Products .....	N4827
Genesis Systems Group .....	N3913
Global Metal Spinning Solutions Inc .	C934
<b>Koike Aronson Inc .....</b>	<b>N4131</b>
KUKA Robotics Corporation .....	N5702
MJC Engineering & Technology Inc .	C1156
<b>Motoman Robotics Division .....</b>	<b>N5222</b>
<b>Nachi Robotic Systems Inc .....</b>	<b>N3622</b>
Preston-Eastin Inc .....	N5731
Reis Robotics USA Inc. ....	N5910

Rethink Robotics .....	N1313
Rimco Equipment .....	N1631
Robotiq .....	N6119
RPS Robot Protection Systems Inc ..	N6316
<b>Salvagnini America Inc .....</b>	<b>C3928</b>
Staubli Corp Multi Contact USA. ....	N3636
Universal Tool & Engineering .....	C1839
Walker Magnetics .....	C7536
<b>Wauseon Machine &amp; Manufacturing Inc. ....</b>	<b>C1539</b>
Wayne Trail, a Lincoln Electric Company .....	N4513
<b>Wolf Robotics LLC .....</b>	<b>N4910</b>
Yaskawa America Inc .....	N5222

**Robotic Equipment - Painting/Finishing**

ABB Inc .....	N6102
AGT .....	N2333
Bay State Surface Technologies .....	N2419
<b>Chemical Coaters Assoc Int'l .....</b>	<b>C1948</b>
Combustion and Systems Inc .....	C2411
EXEL North America .....	C2264
FANUC Robotics America Corp. ....	N3917
Krautzberger LLC .....	C1964
LS Industries Inc .....	C8123
<b>Motoman Robotics Division .....</b>	<b>N5222</b>
<b>Nordson Corp .....</b>	<b>C2517</b>
Preston-Eastin Inc .....	N5731
Reis Robotics USA Inc. ....	N5910
Robotic Technologies of TN .....	N6025
Robotmaster-In-House Solutions Inc. ....	N5933
RPS Robot Protection Systems Inc ..	N6316
Staubli Corp Multi Contact USA. ....	N3636
Yaskawa America Inc .....	N5222

**Robotic Equipment - Robot Tooling/Grippers**

ABB Inc .....	N6102
Alma Cam USA LLC .....	C4834
AP&T North America Inc. ....	C1231
ATI Industrial Automation .....	N5708
Bilsing Automation North America. ....	C926
ERIEZ .....	C7316
FANUC Robotics America Corp. ....	N3917
Genesis Systems Group .....	N3913
Industrial Magnetics Inc .....	C5728
<b>Motoman Robotics Division .....</b>	<b>N5222</b>
<b>Nachi Robotic Systems Inc .....</b>	<b>N3622</b>
Reis Robotics USA Inc. ....	N5910
Robotiq .....	N6119
RPS Robot Protection Systems Inc ..	N6316
Staubli Corp Multi Contact USA. ....	N3636
Walker Magnetics .....	C7536
Wila USA .....	C5709
Yaskawa America Inc .....	N5222



## Robotic Equipment - Welding (Arc)

ABB Inc	N6102
<b>ABICOR Binzel Corp.</b>	<b>N5508</b>
AGT	N2333
Airgas Inc	N5231
Alma Cam USA LLC	C4834
American Torch Tip Co Inc.	N2022
AMET Inc.	N4518
Arc Specialties Inc	N1610
ATI Industrial Automation	N5708
Bettcher Manufacturing LLC	C1053
Changzhou Wujin Golden Globe Welding & Cutting Machinery Co Ltd	N5900
Climax Portable Machining & Welding Systems	N1422
Clips & Clamps Industries	C148
Cloos Robotic Welding Inc	N3618
CM Industries Inc	N2810
D/F Machine Specialties Inc.	N2224
Dinse Inc	N2717
ELCo Enterprises	N2831
Elo Automated Stainless Steel Technologies Qingdao Co Ltd	C8342
<b>ESAB Welding &amp; Cutting Products</b>	<b>N3922, N4122</b>
FANUC Robotics America Corp.	N3917
Frommelt Safety Products	N4827
Fronius USA LLC	N3425
Genesis Systems Group	N3913
HAI Advanced Material Spec	N2319
Hollbrit Inc.	N6317
International Welding Technologies Inc	N1724
<b>Iroco Automation Inc.</b>	<b>N2431</b>
KUKA Robotics Corporation	N5702
Liburdi Automation Inc	N3609
<b>Lincoln Electric Co.</b>	<b>N4102, N4113, N4515</b>
Meltric Corp	N4826
Miller Electric Mfg Co.	N5213, N5816
Miller Welding Automation	N5513
<b>Motoman Robotics Division</b>	<b>N5222</b>
Nelson Stud Welding	N5922
<b>OTC DAIHEN Inc</b>	<b>N3622</b>
Pador Marketing Group	N2927
Pandjiris Inc.	N4810
Praxair Inc	N5202
Preston-Eastin Inc	N5731
PT-Mat.	N3337
Red Rock Automation/Romar/MEC	N4805
Reis Robotics USA Inc.	N5910
Robotic Technologies of TN	N6025
Robotiq	N6119
Robotmaster-In-House	

Solutions Inc.	N5933
RPS Robot Protection Systems Inc	N6316
Secoa Technology	N1719
Servo-Robot Inc.	N5907
Southern Stud Weld Inc	N2616
Steelmax Tools	N4737
<b>Tregaskiss</b>	<b>N5513</b>
Tri Tool Inc.	N5913
Victor Technologies Intl Inc.	N4522
Wayne Trail, a Lincoln Electric Company	N4513
<b>Wolf Robotics LLC.</b>	<b>N4910</b>
Yaskawa America Inc	N5222
York Portable Machine Tools	N2925
ZJ Industries Inc	N2704

## Robotic Equipment - Welding (Laser)

ABB Inc	N6102
AGT	N2333
Alma Cam USA LLC	C4834
American Torch Tip Co Inc.	N2022
Changzhou Wujin Golden Globe Welding & Cutting Machinery Co Ltd	N5900
Cloos Robotic Welding Inc	N3618
Dinse Inc	N2717
ELCo Enterprises	N2831
FANUC Robotics America Corp.	N3917
Frommelt Safety Products	N4827
Fronius USA LLC	N3425
Genesis Systems Group	N3913
KUKA Robotics Corporation	N5702
Laser Mechanisms Inc	C3810
Liburdi Automation Inc	N3609
LT Ultra Precision Optics	C8223
<b>Motoman Robotics Division</b>	<b>N5222</b>
OR Lasertechnology Inc.	C7345
Reis Robotics USA Inc.	N5910
Robotic Technologies of TN	N6025
Robotmaster-In-House Solutions Inc.	N5933
RPS Robot Protection Systems Inc	N6316
Servo-Robot Inc.	N5907
Wayne Trail, a Lincoln Electric Company	N4513
Weil Engineering North America	C8209
<b>Wolf Robotics LLC.</b>	<b>N4910</b>
Yaskawa America Inc	N5222

## Robotic Equipment - Welding (Resistance)

ABB Inc	N6102
<b>ABICOR Binzel Corp.</b>	<b>N5508</b>
<b>Centerline (Windsor) Ltd.</b>	<b>N1926</b>
Elo Automated Stainless Steel Technologies Qingdao Co Ltd	C8342

Etal/INDUX Sa De Cv	N2433
FANUC Robotics America Corp.	N3917
Fronius USA LLC	N3425
Genesis Systems Group	N3913
Janda Co Inc	N1924
KUKA Robotics Corporation	N5702
Matuschek Welding Products Inc.	N1708
<b>Motoman Robotics Division</b>	<b>N5222</b>
<b>Nachi Robotic Systems Inc</b>	<b>N3622</b>
Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd	N6007
Reis Robotics USA Inc.	N5910
Robotiq	N6119
RPS Robot Protection Systems Inc	N6316
SMK Co Ltd	N1524
Wayne Trail, a Lincoln Electric Company	N4513
<b>Wolf Robotics LLC.</b>	<b>N4910</b>
Yaskawa America Inc	N5222
ZJ Industries Inc	N2704

## Roll Benders

Acrotech	C8213
Ampco Metal Inc.	C2326
Baileigh Industrial Inc	C7513
<b>Boschert Precision Machinery Inc.</b>	<b>C2820</b>
C Marshall Fabrication Machinery	C7716
<b>Carell Corp/Eagle Bending Machines</b>	<b>C5928</b>
CIMID Corp	C8327
CMF Jammes Rolling and Welding	C5538
CML USA Inc Ercolina	C3739
COMEQ Inc	C5125
Eaton Leonard	C1723
Euromac/Metal Finish LLC	C4716
Faccin USA Inc	C6323
Global Metal Spinning Solutions Inc	C934
Haeusler AG	C5540
J & S Machine Inc.	C2317
Jet	C5923
JMT USA	C5047
KNUTH Machine Tools USA Inc	C4910
<b>MG S.r.L.</b>	<b>C7716</b>
Midwest Bender Services Corp	C1728
Peter Prinzing GmbH	C5638
Prestige Equipment Corporation	C7214
Ready Technology Inc	C832
Sertom Group North America LLC	C6911
TaurinGroup USA	C1739
Trilogy Machinery Inc	C5140

## Roll Formed Metal Shapes

American Roll Form	C5038
Douglas Steel Supply Co.	C5747
Hydro Carbide Inc	C8238
MMC Superalloy Corp.	N1826





National Bronze & Metals Inc. ....	C1512
Samco Machinery Ltd. ....	C1217
Samson Roll Formed Products Co. ...	C6350
Southern Copper & Supply. ....	N1926
TaurinGroup USA. ....	C1739
Ulbrich Stainless Steels & Special Metals Inc. ....	C1015
voestalpine – Roll Forming Corp & Rotec Inc. ....	C4725

### Roll Forming Machines

Acrotech. ....	C8213
American Machine & Rollform Tech. ....	C5520
Beck Automation. ....	C5520
Bradbury Co., Inc., The. ....	C5520
Bradbury Group Australia. ....	C5520
Bradbury Group, The. ....	C5520
C Marshall Fabrication Machinery. ....	C7716
Chemtool Inc. ....	C660
CMF Jammes Rolling and Welding. ....	C5538
Eaton Leonard. ....	C1723
Fontijne Grotnes Inc. ....	C2136
Formtek Metal Forming & Hill Engineering. ....	C3708
Gasparini SPA. ....	C5536
Haeusler AG. ....	C5540
Hayes International. ....	C5520
Masteel America Corp. ....	C3749
Metform International Ltd. ....	C5534
MG S.r.L. ....	C7716
Perfection Global LLC. ....	C3832
RAS Systems LLC. ....	C6921
Roll Former Corp. ....	C1037
Samco Machinery Ltd. ....	C1217
Sertom Group North America LLC. ...	C6911
Starrett Byewise Measurement Systems. ....	C3453
T&H Lemont. ....	C2117
TaurinGroup USA. ....	C1739
Universal Tube & Rollform Equipment Corp. ....	C1528
Vicon - Plasma Automation Inc. ....	N5031
voestalpine – Roll Forming Corp & Rotec Inc. ....	C4725
Weil Engineering North America. ...	C8209
Weldlogic Inc. ....	N5826
Xinxiang Tianfeng Machinery Manufacture Co Ltd. ....	C7148

### Rolling Mills

Ampco Metal Inc. ....	C2326
Beck Automation. ....	C5520
Fives Bronx Inc. ....	C1514
Formtek Metal Forming & Hill Engineering. ....	C3708
Hayes International. ....	C5520

KULLEN - KOTI GmbH. ....	N3137
Samco Machinery Ltd. ....	C1217
Sertom Group North America LLC. ...	C6911
T&H Lemont. ....	C2117
TCT Stainless Steel Inc. ....	C1058
Tianjin Xuzhi Machinery & Electrical Equipment Co Ltd. ....	N1431
Ulbrich Stainless Steels & Special Metals Inc. ....	C1015

### Rolls - Fabric, Urethane, Felt

Armstrong/Kover Kwick Inc feat NCCM Mill Rolls. ....	C7047
Auburn Manufacturing Inc. ....	N4904
Buffalo Shrink Wrap. ....	N2210
Webb-Stiles Co. ....	C2435

### Rust Inhibitors - Finishing

Almco Inc. ....	C1220
Bradford Derustit Corp. ....	N4804
Bulk Chemicals Inc. ....	C2433
Calvary Industries Inc. ....	C2734
Cardinal Paint and Powder. ....	C1761
Chemetall US Inc. ....	C2709
Chemtool Inc. ....	C660
Cimcool Fluid Technology. ....	C1452
DuBois Chemicals. ....	C2545
DuBois Chemicals. ....	C4938
Houghton International Inc. ...	C1437, C1552
Hubbard-Hall Inc. ....	C2156
International Chemical Co. ....	C1232
Metalloid Corp. ....	C1447
Osborn. ....	C2737, N3309
Professional Finishing Systems. ...	C8239
Rock Valley Oil & Chemical Co Inc. .	C1049
Tower Oil & Technology Co. ....	C1319
Weld-Aid Products. ....	N4928
Zerust Corrosion Solutions (Northern Tech Intl Corp). ....	C1014

### Rust Removers - Finishing

Almco Inc. ....	C1220
Alpha Professional Tools. ....	N6331
Beilun Futuo Mechanical Tools Co Ltd. ....	N6026
Calvary Industries Inc. ....	C2734
Chemetall US Inc. ....	C2709
Chemtool Inc. ....	C660
Cimcool Fluid Technology. ....	C1452
DuBois Chemicals. ....	C2545, C4938
Easy Abrasives LLC. ....	N2618
Hubbard-Hall Inc. ....	C2156
International Chemical Co. ....	C1232
Metalloid Corp. ....	C1447
Osborn. ....	C2737, N3309
Professional Finishing Systems. ...	C8239

Rex-Cut Abrasives. ....	N2708
Weiler Corp. ....	N4831
Wheelabrator Group. ....	C7121
Zerust Corrosion Solutions (Northern Tech Intl Corp). ....	C1014

### Safety Floor Matting

Gaozhou City Longsafety Labor Insurance. ....	N6201
ISB Group. ....	C4728
Tapeswitch Corp. ....	C3813

### Safety/Guarding Apparel

ArcOne. ....	N3231
BUWW Coverings Inc. ....	C7320
Carhartt Workwear. ....	N1506
Certified Safety Mfg. ....	C256
Cordstrap USA Inc. ....	C7433
Fastenal Company. ....	N5736
Fibre-Metal By Honeywell. ....	N2006
Gaozhou City Longsafety Labor Insurance. ....	N6201
Interactive Safety Product Inc. ....	N3206
John Tillman Co. ....	N3606
Kemper America Inc. ....	N2631
KLINGSPOR Abrasives Inc. ....	N3135
Lapco Mfg Inc. ....	N1404
Massaging Insoles By the Master's Plan. ....	N3308
Matheson. ....	N6122
Miller Electric Mfg Co. ....	N5213, N5816
New Fire Co Ltd. ....	N3017
North (Nanjing) Instrument Technology Industries Group. ....	N3226
Oxylance Inc. ....	N2228
Pan Taiwan Enterprise. ....	N1718
Revco Industries Inc. ....	N3031
RPS Robot Protection Systems Inc. .	N6316
Sellstrom Manufacturing Co. ....	N3413
Steiner Industries. ....	N3022
Triple Crown Products. ....	N3318
Weldas Co. ....	N5136
West Chester Holding Inc. ....	N5106
Winnox Industries Ltd. ....	N6111

### Safety/Guarding Equipment/ Lockouts

Advanced Manufacturing Solutions LLC. ....	C6351
AP&T North America Inc. ....	C1231
ArcOne. ....	N3231
Axellent Inc. ....	N5127
Beckhoff Automation. ....	C7545
CIECO Inc. ....	C1334
Cordstrap USA Inc. ....	C7433
Dr Gold & Co. ....	N5026



## Safety/Guarding Equipment/ Lockouts

Fibre-Metal By Honeywell	N2006
Folding Guard Corp	N1808
Frommelt Safety Products	N4827
Gaozhou City Longsafety Labor Insurance	N6201
gasgrab.com	N3225
<b>Goff's Enterprises Inc</b>	<b>N2625</b>
Hex-Hut Shelter Systems Ltd	N6115
IBEDA /Superflash Compressed Gas Equipment Inc	N3437
Interactive Safety Product Inc	N3206
ISB Group	C4728
John Tillman Co.	N3606
Lazer Safe Pty Ltd	C3824
Link Systems	C909
Medi Mall Inc	N2608
Meltric Corp	N4826
Pan Taiwan Enterprise	N1718
Pax Products Inc	C1428
Rimco Equipment	N1631
Ross Controls	C849
Sellstrom Manufacturing Co.	N3413
Steiner Industries	N3022
Tapeswitch Corp	C3813
Termmei Torch & Tip Company	N2526
Weldas Co.	N5136
Wirecrafters	N1824
Wireway Husky Corp.	N2225

## Saws

Alpine Bender Machinery	C1836
ASKO Inc	C4810
Automec Inc	C4832
Baileigh Industrial Inc	C7513
BandSawParts.com	C7538
Behringer Saws Inc.	C5722
BLM GROUP USA Corp	C1717
Bosch Power Tool Corp	N5006
BTM Bandsaws	C8416
Controlled Automation Inc	C7730
Cosen Saws USA	C7136
CS Unitec Inc	N5531
CTD Machines Inc	C8423
Dake Corporation	C6923
Delta Steel Technologies	C5952
DoALL Sawing Products	C7713
Doringer Cold Saws	C4913
Durma USA	C3949
Eberle America Inc	C8312
EH Wachs Co.	N5713
Elumatec North America Inc	C2849
Emmegi USA Inc	C7323
Enutron International	C7750

ESCO Tool Co.	C5735
Fein Power Tools Inc	N5902
Ficep Corporation	C6550
FomUSA	C6914
Friggi N.A. Inc	C7642
Haas Saw & Supply	C1535
Haberle / Ken Bergman & Assoc LLC	C7137
HE&M Saw Inc	C5508
Hyd-Mech Group Ltd	C6523
International Mold Steel	C556
J & S Machine Inc.	C2317
Jet	C5923
JMT USA	C5047
Kasto Inc	C5934
Kent Corp.	C954, C2128
KNUTH Machine Tools USA Inc	C4910
LENOX	C4808
M K Morse Co, The	C7109
Marvel Manufacturing Co.	C6316
Metlsaw Systems Inc	C8229
Michigan Pneumatic Tool Inc	N6034
New Centurion Enterprises Ltd.	C8347
Ocean Machinery Inc	C7523
<b>Orbitalum Orbital Cutting + Welding</b>	<b>N5713</b>
Pat Mooney Inc.	C6913
Peddinghaus Corp	C7723
Prestige Equipment Corporation	C7214
<b>Scotchman Industries Inc</b>	<b>C4923</b>
Steelmax Tools	N4737
T-DRILL Industries Inc	C2121
<b>Thermatool Corp</b>	<b>C2110</b>
Top Cat Air Tools	C2361
Tsune America	C3450
Tubex Technology Machinery Inc	C2334
United Abrasives Inc /SAIT	N3104
voestalpine – Roll Forming Corp & Rotec Inc.	C4725
Voortman Corporation	C7739

## Schools - College & University (2 & 4 year)

Ferris State Univ	N1534
U.S. Invitational Weld Trials	N1131

## Schools - Vocational & Technical

Arrowhead Manufacturers & Fabricators Assoc	C8242
Hobart Institute of Welding Technology	N5819
Ironworkers Management Progressive Action Cooperative Trust (IMPACT)	N3004
North America Consulting	N6333
Welder Training & Testing Institute	N1533

## Scrap Buying Specialist

NGK Metals Corp	C922
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## Scrap Chopping & Handling Equipment

Burghardt + Schmidt GmbH	C4934
Butech Bliss	C5532
D&H Machinery Inc.	C2112
ERIEZ	C7316
gasgrab.com	N3225
Kent Corp.	C954, C2128
Machine Concepts Inc.	C4726
Magnetic Products Inc	C5510
Metform International Ltd.	C5534
Red Bud Industries	C4732
Shred-Tech Compass Systems	C7550
Walker Magnetics	C7536

## Seaming Machines

AMET Inc.	N4518
CMF Jammes Rolling and Welding	C5538
Gullco International	N5002
Multipress Inc	C1022
Pandjiris Inc.	N4810
Peter Prinzing GmbH	C5638
RAS Systems LLC	C6921
Roll Former Corp	C1037
Weil Engineering North America	C8209

## Security Systems/Services

RPS Robot Protection Systems Inc	N6316
Wirecrafters	N1824

## Sensors & Transducers

Balluff Inc	C1047
CIECO Inc.	C1334
ISB Group	C4728
Toledo Integrated Systems	C1317

## Sensors / Transducers

OES Inc	C248
Panasonic Electric Works Corp of America	C7411
Tapeswitch Corp	C3813

## Service/Repair & Parts

Alternative Parts Inc	C3726
Bliss Clearing Niagara	C933
Bolttech Mannings	N2326
Eisenmann Corp	C2439
Fiba Technologies Inc	N6324
Janda Co Inc	N1924
Michigan Pneumatic Tool Inc	N6034
Midwest Bender Services Corp	C1728
Nation Coating Systems Inc	N2416
Stud Welding Associates Inc	N6327
Tapeswitch Corp	C3813



TJ Snow Co. . . . . N2613  
 Wheelabrator Group . . . . . C7121

**Shears**

Accurpress America Inc . . . . . C3047  
 American Machine & Rollform Tech. C5520  
 American Punch Co. . . . . C5026  
 ASKO Inc . . . . . C4810  
 Athader . . . . . C5520  
 Automec Inc . . . . . C4832  
 Baileigh Industrial Inc. . . . . C7513  
 Baykal Makina Sanayi  
     ve Ticaret AS. . . . . C5940, C5947  
 BESSEY Tools North America . . . . . N4931  
 Betenbender Manufacturing Inc. . . . . C3744  
 Bosch Power Tool Corp. . . . . N5006  
 Burghardt + Schmidt GmbH . . . . . C4934  
 Butech Bliss. . . . . C5532  
 Cidan Machinery Inc . . . . . C3449  
 COMEQ Inc . . . . . C5125  
 Controlled Automation Inc . . . . . C7730  
 Delta Steel Technologies . . . . . C5952  
 Durma USA . . . . . C3949  
 Edwards Manufacturing Co . . . . . C7116  
 Enutron International . . . . . C7750  
 Ermak USA . . . . . C3447

Global Metal Spinning Solutions Inc . C934  
 Hayes International. . . . . C5520  
 Machine Concepts Inc. . . . . C4726  
 MetaMation Inc . . . . . C3737  
 Metform International Ltd. . . . . C5534  
 Midwest Tool Inc. . . . . C4826  
 Passline Performance . . . . . C2325  
 Perfection Global LLC . . . . . C3832  
 Peter Prinzing GmbH. . . . . C5638  
 Prima Power North America Inc. . . . . C4336  
 Uni-Hydro Inc. . . . . C8537  
 US Industrial Machinery Co . . . . . C3049  
 voestalpine – Roll Forming  
     Corp & Rotec Inc. . . . . C4725  
 Wysong Parts and Service . . . . . C1023

**Shipping Containers & Accessories**

Buffalo Shrink Wrap . . . . . N2210  
 Dr Shrink Inc . . . . . C7314  
 InfoSight Corp . . . . . C5609  
 JMR Industrial. . . . . C3752  
 Long Haul Trucking . . . . . C4349  
 rose plastic USA LP. . . . . N3213  
 Saf-T-Cart Inc . . . . . N2619  
 Steel King Industries Inc. . . . . C1057

**Shipping/Transportation Services**

Cordstrap USA Inc. . . . . C7433  
 Precision Metalforming Association. . C463  
 UPS . . . . . C463

**Shop Lighting**

LDPI Inc . . . . . C2752  
 Service Lamp Corp . . . . . C8246

**Shotblasting Machines**

Blastec Inc. . . . . C8142  
 Comco Inc . . . . . C5052  
 Goff Inc . . . . . C2726  
 Gostol TST d.o.o . . . . . C7645  
 I.S.T. International Surface  
     Technologies. . . . . C1958  
 LS Industries Inc . . . . . C8123  
 Metallizing Equipment Co PVT LTD. . N2417  
 Metcast Service Tech Resources . . . C6946  
 Pangborn Corp. . . . . C6516  
 Rosler Metal Finishing USA LLC. . . . C7733  
 Wheelabrator Group. . . . . C7121

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11'-6'	29.44	32.89	37.49	48.57
12'-0'	30.44	34.04	38.84	50.05
12'-6'	31.44	35.19	40.19	51.53
13'-0'	32.44	36.34	41.54	53.02
13'-6'	33.44	37.49	42.89	54.60
14'-0'	34.44	38.64	44.24	55.98
14'-6'	35.44	39.79	45.59	57.46
15'-0'	36.44	40.94	46.94	58.95
15'-6'	37.44	42.09	48.29	60.43
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Cedar Valley Region of Iowa	C7429
Expansion Solutions Magazine	C7346
Site Location Partnership (SLP)	N1406
State of Wyoming	N3133

## Slide Forming & Spring Machines

Clips & Clamps Industries	C148
F & G Tool and Die Co	C1413
WAFIOS Machinery Corp	C1736

## Sludge Handling Equipment - Finishing

Eisenmann Corp	C2439
General Automatic Transfer	C2550
KMI Systems Inc	C2722
PKG Equipment Inc	C1953
Pneu-Mech Systems Manufacturing Inc	C2539

## Smut Removers

Calvary Industries Inc	C2734
Chemetall US Inc	C2709
DuBois Chemicals	C2545, C4938
Hubbard-Hall Inc	C2156
International Chemical Co	C1232

## Software - Accounting/Job Costing

AceCad Software	C2825
Computers Unlimited	N3315
Dataweld Inc	N2308
Epicor Software Corp	C7211
FabSuite	C5736
Global Shop Solutions	C7312
Henning Industrial Software Inc	C4822
JETCAM-NestONE Solutions	C4722
Jobscope Corp ERP	C4825
Lantek Systems Inc	C4940
Metalix CAD/CAM Ltd	C4911
MIE Solutions Inc	C7212
PEP Technology	C8320
Plex Systems	C913
Radan	C3747
Shop Edge Software Inc	C1434
Shoptech Software	C7013
SigmaTEK Systems LLC	C4932
SMe Software Inc	C7245
Trendex Information Systems Inc	N3218

## Software - CAD/CAM

2020 Software Solutions Inc	C1724
Accurate Die Design Inc/ Logopress Corp	C1423
AceCad Software	C2825

AKS Cutting Systems Inc	C5135
Alma Cam USA LLC	C4834
Amada America Inc	C3916
Boschert Precision Machinery Inc	C2820
Bystronic Inc	C4328
Dynatorch Inc	N4837
Elo Automated Stainless Steel Technologies Qingdao Co Ltd	C8342
FARO Technologies Inc	C7636
Forming Technologies Inc	C1421
Hypertherm Inc	N3906
JETCAM-NestONE Solutions	C4722
Kinetic Cutting Systems Inc	C6311
Lantek Systems Inc	C4940
Logopress Corp	C1423
LVD Strippit	C3937
Magestic Systems Inc	C3710
Mazak Optonics Corp	C3428
Messer Cutting Systems	C5916
Metalix CAD/CAM Ltd	C4911
MetaMation Inc	C3737
MIE Solutions Inc	C7212
MultiCam Inc	C5516
PEP Technology	C8320
Radan	C3747
Robotmaster-In-House Solutions Inc	N5933
Semyx LLC	C6347
SigmaTEK Systems LLC	C4932
SpaceClaim Corp	C8330
Starrett Bytewise Measurement Systems	C3453
Striker Systems	C3728
TRUMPF Inc	C3016
Verisurf Software Inc	C7438
Vicon - Plasma Automation Inc	N5031
Victory Plasma Systems Inc	N4833
Visi	C3747

## Software - Cost Estimating

Accurate Die Design Inc/ Logopress Corp	C1423
AceCad Software	C2825
Alma Cam USA LLC	C4834
Autoform Engineering	C936
Computer Engineering Inc	N3327
Epicor Software Corp	C7211
FabSuite	C5736
FabTrol Systems Inc	C8131
Flow International Corp	C5911
Forming Technologies Inc	C1421
Global Shop Solutions	C7312
Henning Industrial Software Inc	C4822
JETCAM-NestONE Solutions	C4722
Jobscope Corp ERP	C4825

Kinetic Cutting Systems Inc	C6311
Lantek Systems Inc	C4940
Logopress Corp	C1423
Magestic Systems Inc	C3710
Metalix CAD/CAM Ltd	C4911
MIE Solutions Inc	C7212
PEP Technology	C8320
Plex Systems	C913
Powder Coating Consultants	C2422
Radan	C3747
Semyx LLC	C6347
Shoptech Software	C7013
SigmaTEK Systems LLC	C4932
SMe Software Inc	C7245
Striker Systems	C3728

## Software - CRM (Customer Relationship Management)

AceCad Software	C2825
Computers Unlimited	N3315
Epicor Software Corp	C7211
FabTrol Systems Inc	C8131
Global Shop Solutions	C7312
Henning Industrial Software Inc	C4822
Lantek Systems Inc	C4940
Metalix CAD/CAM Ltd	C4911
MIE Solutions Inc	C7212
Northrop Grumman	C8211
Plex Systems	C913

## Software - Document Control

AceCad Software	C2825
Computer Engineering Inc	N3327
Computers Unlimited	N3315
C-spec	N4817
FabSuite	C5736
FabTrol Systems Inc	C8131
Henning Industrial Software Inc	C4822
MetaMation Inc	C3737
MIE Solutions Inc	C7212
Northrop Grumman	C8211
PEP Technology	C8320
Plex Systems	C913
Shoptech Software	C7013
SigmaTEK Systems LLC	C4932
SMe Software Inc	C7245

## Software - ERP (Enterprise Resource Planning)

AceCad Software	C2825
Computers Unlimited	N3315
Elo Automated Stainless Steel Technologies Qingdao Co Ltd	C8342
Epicor Software Corp	C7211
Global Shop Solutions	C7312
Henning Industrial Software Inc	C4822



JETCAM-NestONE Solutions	C4722
Jobscope Corp ERP	C4825
Lantek Systems Inc	C4940
Magestic Systems Inc	C3710
Metalix CAD/CAM Ltd	C4911
MetaMation Inc	C3737
<b>MIE Solutions Inc</b>	<b>C7212</b>
Northrop Grumman	C8211
PEP Technology	C8320
Plex Systems	C913
Shop Edge Software Inc	C1434
Shoptech Software	C7013
SMe Software Inc	C7245

**Software - Finishing**

Alma Cam USA LLC	C4834
FabTrol Systems Inc	C8131
<b>IntelliFinishing</b>	<b>C2528</b>
Powder Coating Consultants	C2422

**Software - FMS  
(Flexible Mfg. Systems)**

AceCad Software	C2825
Global Shop Solutions	C7312
JETCAM-NestONE Solutions	C4722
Lantek Systems Inc	C4940
Laser Experts Inc	C5742
<b>Mazak Optonics Corp</b>	<b>C3428</b>
MetaMation Inc	C3737
<b>MIE Solutions Inc</b>	<b>C7212</b>
<b>Radan</b>	<b>C3747</b>
Striker Systems	C3728

**Software - Folding/Unfolding**

2020 Software Solutions Inc	C1724
Accurate Die Design Inc/ Logopress Corp	C1423
<b>Accurpress America Inc</b>	<b>C3047</b>
Alma Cam USA LLC	C4834
Autoform Engineering	C936
Forming Technologies Inc	C1421
JETCAM-NestONE Solutions	C4722
Lantek Systems Inc	C4940
<b>Logopress Corp</b>	<b>C1423</b>
<b>LVD Strippit</b>	<b>C3937</b>
Metalix CAD/CAM Ltd	C4911
MetaMation Inc	C3737
<b>Radan</b>	<b>C3747</b>
<b>Salvagnini America Inc</b>	<b>C3928</b>
Striker Systems	C3728

**Software - Inventory/  
Purchasing**

AceCad Software	C2825
<b>Computers Unlimited</b>	<b>N3315</b>
Dataweld Inc	N2308

Epicor Software Corp	C7211
FabSuite	C5736
FabTrol Systems Inc	C8131
Global Shop Solutions	C7312
Henning Industrial Software Inc	C4822
Jobscope Corp ERP	C4825
Lantek Systems Inc	C4940
Magestic Systems Inc	C3710
Metalix CAD/CAM Ltd	C4911
<b>MIE Solutions Inc</b>	<b>C7212</b>
Northrop Grumman	C8211
PEP Technology	C8320
Plex Systems	C913
Shop Edge Software Inc	C1434
Shoptech Software	C7013
<b>SigmaTEK Systems LLC</b>	<b>C4932</b>
SMe Software Inc	C7245
Trendex Information Systems Inc	N3218

**Software - Labor/Order Tracking**

AceCad Software	C2825
<b>Computers Unlimited</b>	<b>N3315</b>
Dataweld Inc	N2308
Epicor Software Corp	C7211
FabSuite	C5736
FabTrol Systems Inc	C8131
Global Shop Solutions	C7312
Henning Industrial Software Inc	C4822
JETCAM-NestONE Solutions	C4722
Jobscope Corp ERP	C4825
Lantek Systems Inc	C4940
Magestic Systems Inc	C3710
<b>MIE Solutions Inc</b>	<b>C7212</b>
PEP Technology	C8320
Plex Systems	C913
Shop Edge Software Inc	C1434
Shoptech Software	C7013
<b>SigmaTEK Systems LLC</b>	<b>C4932</b>
SMe Software Inc	C7245
Trendex Information Systems Inc	N3218

**Software - Load Monitors**

CIECO Inc	C1334
FabTrol Systems Inc	C8131
Lantek Systems Inc	C4940
OES Inc	C248
SEYI America Inc	C653
Toledo Integrated Systems	C1317
Wintriss Controls	C3711

**Software - Nesting/  
Optimization**

Accurate Die Design Inc/ Logopress Corp	C1423
AceCad Software	C2825
Alma Cam USA LLC	C4834

Autoform Engineering	C936
<b>Beck Automation</b>	<b>C5520</b>
<b>Bystronic Inc</b>	<b>C4328</b>
FabSuite	C5736
FabTrol Systems Inc	C8131
Flow International Corp	C5911
Forming Technologies Inc	C1421
Global Shop Solutions	C7312
<b>Hypertherm Inc</b>	<b>N3906</b>
JETCAM-NestONE Solutions	C4722
Kinetic Cutting Systems Inc	C6311
Lantek Systems Inc	C4940
Laser Experts Inc	C5742
<b>Logopress Corp</b>	<b>C1423</b>
<b>LVD Strippit</b>	<b>C3937</b>
Magestic Systems Inc	C3710
Marvel Manufacturing Co	C6316
<b>Mazak Optonics Corp</b>	<b>C3428</b>
<b>Messer Cutting Systems</b>	<b>C5916</b>
Metalix CAD/CAM Ltd	C4911
MetaMation Inc	C3737
<b>MIE Solutions Inc</b>	<b>C7212</b>
MultiCam Inc	C5516
PEP Technology	C8320
Plex Systems	C913
Prima Power North America Inc	C4336
<b>Radan</b>	<b>C3747</b>
<b>Salvagnini America Inc</b>	<b>C3928</b>
Semx LLC	C6347
<b>SigmaTEK Systems LLC</b>	<b>C4932</b>
Striker Systems	C3728
Vicon - Plasma Automation Inc	N5031
Victory Plasma Systems Inc	N4833

**Software - OEE**

Beckhoff Automation	C7545
Shop Edge Software Inc	C1434
Wintriss Controls	C3711

**Software - Plant Maintenance**

OES Inc	C248
Shop Edge Software Inc	C1434

**Software - Project Management**

AceCad Software	C2825
Computer Engineering Inc	N3327
C-spec	N4817
Epicor Software Corp	C7211
FabSuite	C5736
FabTrol Systems Inc	C8131
Global Shop Solutions	C7312
Henning Industrial Software Inc	C4822
Jobscope Corp ERP	C4825
<b>Mazak Optonics Corp</b>	<b>C3428</b>
Metalix CAD/CAM Ltd	C4911
<b>MIE Solutions Inc</b>	<b>C7212</b>



## Software - Project Management

OES Inc	C248
Plex Systems	C913
Radan	C3747
Shoptech Software	C7013
SigmaTEK Systems LLC	C4932
SMe Software Inc	C7245

## Software - Quality Control

Advanced Tubular Technologies Inc	C1556
AMET Inc	N4518
ASKO Inc	C4810
Clara Vision	N1706
Computer Engineering Inc	N3327
C-spec	N4817
Epicor Software Corp	C7211
FabSuite	C5736
FabTrol Systems Inc	C8131
FARO Technologies Inc	C7636
Global Shop Solutions	C7312
Henning Industrial Software Inc	C4822
Jobscope Corp ERP	C4825
Link Systems	C909
Magestic Systems Inc	C3710
Matuschek Welding Products Inc	N1708
MIE Solutions Inc	C7212
Modern Manufacturing Technologies	C4738
Northrop Grumman	C8211
OES Inc	C248
Plex Systems	C913
Shop Edge Software Inc	C1434
Shoptech Software	C7013
SMe Software Inc	C7245
Starrett Bytewise Measurement Systems	C3453
Zarbeco LLC	C1454

## Software - Rapid Prototype

Advanced Tubular Technologies Inc	C1556
Salvagnini America Inc	C3928

## Software - Scheduling

AceCad Software	C2825
Beck Automation	C5520
Epicor Software Corp	C7211
FabSuite	C5736
FabTrol Systems Inc	C8131
Global Shop Solutions	C7312
Henning Industrial Software Inc	C4822
JETCAM-NestONE Solutions	C4722
Jobscope Corp ERP	C4825
Lantek Systems Inc	C4940
Laser Experts Inc	C5742
Link Systems	C909

Magestic Systems Inc	C3710
MIE Solutions Inc	C7212
Northrop Grumman	C8211
PEP Technology	C8320
Plex Systems	C913
Radan	C3747
Shop Edge Software Inc	C1434
Shoptech Software	C7013
SigmaTEK Systems LLC	C4932
SMe Software Inc	C7245
Striker Systems	C3728
Toledo Integrated Systems	C1317
Wintriss Controls	C3711

## Software - Simulation

2020 Software Solutions Inc	C1724
Accurate Die Design Inc/Logopress Corp	C1423
Accurpress America Inc	C3047
Alma Cam USA LLC	C4834
Autoform Engineering	C936
DELTA Computer Systems Inc	C1024
Engineering Technology Associates Inc	C1414
Forming Technologies Inc	C1421
Laser Experts Inc	C5742
Logopress Corp	C1423
Metalix CAD/CAM Ltd	C4911
MetaMation Inc	C3737
MIE Solutions Inc	C7212
Motoman Robotics Division	N5222
Radan	C3747
RealWeld Systems Inc	N6217
Robotmaster-In-House Solutions Inc	N5933
Salvagnini America Inc	C3928
Simufact-Americas LLC	C1352
StampingSimulation.Com Pty Ltd	C851
Striker Systems	C3728
Wolf Robotics LLC	N4910
Yaskawa America Inc	N5222

## Soldering Alloys

BMM Welding Material Co	N6109
Etal/INDUX Sa De Cv	N2433
Fusion Inc	N3313
GH Induction Atmospheres LLC	C2323
Harris Products Group	N4509
Lucas-Milhaupt Inc	N5027
Messer MG Welding Products	N2408
NetBrazo LLC	N4139
Ningbo Powerway Alloy Material Co Ltd	N5038
Obraze	N4839
Uniweld Products Inc	N5113
Washington Alloy Co	N2231

Winox Industries Ltd	N6111
Wolverine Joining Technologies	N2818

## Solvents/Thinners for Paint

Calvary Industries Inc	C2734
Cardinal Paint and Powder	C1761
I.S.T. International Surface Technologies	C1958
Intech Services Inc	C2163
International Chemical Co	C1232
Strathmore Products Inc	C1955

## Special Forming Machines (Explosive, Peen, Ultrasonic, etc.)

AIM Inc	C1832
Fontijne Grotnes Inc	C2136
Pacific Aerospace & Electronics	N1607
Ready Technology Inc	C832
Sertom Group North America LLC	C6911
Triform Sheet Hydroforming	C1226
Wolf Robotics LLC	N4910

## Spinning Machines/Flow Forming Machines

Fontijne Grotnes Inc	C2136
Global Metal Spinning Solutions Inc	C934
International Technologies Inc	C8111
Leifeld Metal Spinning AG	C8112
MJC Engineering & Technology Inc	C1156
Overton Industries	C2225
T-DRILL Industries Inc	C2121
Triform Sheet Hydroforming	C1226

## Spray Booth Cleaning Materials (Consumables)

Calvary Industries Inc	C2734
Cardinal Paint and Powder	C1761
Chemetall US Inc	C2709
DuBois Chemicals	C2545
DuBois Chemicals	C4938
Global Finishing Solutions	C2151
International Chemical Co	C1232

## Spray Booth Coatings

Binks DeVilbiss Ransburg BGK	C2532
Bulk Chemicals Inc	C2433
C.A. Technologies Inc	C1763
Calvary Industries Inc	C2734
Cardinal Paint and Powder	C1761
Chemetall US Inc	C2709
Diamond Vogel Paints	C2414
DuBois Chemicals	C2545, C4938
Global Finishing Solutions	C2151
Hayden Corp	N2409
KCI America Co Ltd	C2062
Keyland Polymer Ltd	C2063



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## Spray Booth Coatings

Krautzberger LLC	C1964
St Louis Metallizing Co	N2315
Strathmore Products Inc	C1955

## Spray Booth Contaminant Control Devices

Duroair Technologies Inc	C1362
Frommelt Safety Products	N4827
Gema	C2750
Global Finishing Solutions	C2151
Goff's Enterprises Inc	N2625
Nordson Corp	C2517
Spray-Tech/Junair	C2164

## Spray Booth Equipment

AFC Finishing Systems	C2548
Anest Iwata USA Inc	C2746
Col-Met Spray Booths Inc	C2537
Decoral System USA Corp	C1954
Duroair Technologies Inc	C1362
Eisenmann Corp	C2439
EXEL North America	C2264
Fostoria Process Equipment	C2148
Gema	C2750
General Fabrications Corp	C2648
Global Finishing Solutions	C2151
Inline Sieve	C2552
Intech Services Inc	C2163
KCI America Co Ltd	C2062
Krautzberger LLC	C1964
LDPI Inc	C2752
LPI Inc	C2424
Nordson Corp	C2517
Nova Verta USA	C1762
Parker Ionics/Parkwood Engineering	C2523
Pneu-Mech Systems	
Manufacturing Inc	C2539
Spray-Tech/Junair	C2164
Trimac Industrial Systems	C2359
Vulcan Catalytic Infrared	
Oven Systems	C2512
Wagner Industrial Solutions	C1951
Walther Pilot North America	C2609
Wheelabrator Group	C7121

## Spray Booths for Painting/Powder Coating

AFC Finishing Systems	C2548
Chemical Coaters Assoc Int'l	C1948
Col-Met Spray Booths Inc	C2537
Combustion and Systems Inc	C2411
Duroair Technologies Inc	C1362
Eisenmann Corp	C2439
Fostoria Process Equipment	C2148
Gema	C2750

General Fabrications Corp	C2648
Global Finishing Solutions	C2151
Goff's Enterprises Inc	N2625
Haynncorp Industrial	
Finishing Solutions	C2360
Intech Services Inc	C2163
IntelliFinishing	C2528
KCI America Co Ltd	C2062
KMI Systems Inc	C2722
Nordson Corp	C2517
Nova Verta USA	C1762
Parker Ionics/Parkwood	
Engineering	C2523
Pneu-Mech Systems	
Manufacturing Inc	C2539
Porcelain Enamel Institute Inc	C2436
Production Systems Inc	C1858
Spray Systems Inc	C1260
Spray-Tech/Junair	C2164
Trimac Industrial Systems	C2359
Vulcan Catalytic Infrared	
Oven Systems	C2512
Wagner Industrial Solutions	C1951
Walther Pilot North America	C2609
Wheelabrator Group	C7121

## Spray Gun Controls, Movers, Washers

Binks DeVilbiss Ransburg BGK	C2532
EXEL North America	C2264
Gema	C2750
Nordson Corp	C2517
Parker Ionics/Parkwood Engineering	C2523
Wagner Industrial Solutions	C1951
Walther Pilot North America	C2609

## Storage Shelves/Racks, Palletized Beds, Cages & Accessories

Big Steel Rack	C8528
Bowlin Engineering	C4838
Buffalo Shrink Wrap	N2210
CH Steel Solutions Inc	C7348
JMR Industrial	C3752
Kemper America Inc	N2631
Richards-Wilcox Inc	C2252
Saf-T-Cart Inc	N2619
Steel King Industries Inc	C1057
Sumner Manufacturing Co Inc	N1519
Versatility Professional	
Tool Storage, LLC	C1248
Weldcoa	N3238
Wirecrafters	N1824
Wireway Husky Corp	N2225

## Straightening Equipment

AIDA-America Corp	C1210
Alma Machinery Co	C1431
ARKU Coil Systems Inc	C7528
Athader	C5520
Burghardt + Schmidt GmbH	C4934
Chicago Slitter	C7023
COE Press Equipment	C1323
Costa & Grissom Machinery Co	C7516
D&H Machinery Inc	C2112
Delta Steel Technologies	C5952
Feed Lease Corp	C928
Herr Voss Stamco	C7239
Machine Concepts Inc	C4726
Metform International Ltd	C5534
Norwalk Innovation	C1055
Red Bud Industries	C4732
Samco Machinery Ltd	C1217
T&H Lemont	C2117
T-DRILL Industries Inc	C2121
Trilogy Machinery Inc	C5140
Universal Tube & Rollform	
Equipment Corp	C1528
WAFIOS Machinery Corp	C1736

## Stretch Formers

Triform Sheet Hydroforming	C1226
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## Stripping Solutions, Equipment & Services

Alpha Professional Tools	N6331
American Finishing Resources	C1855
Bulk Chemicals Inc	C2433
Chemetail US Inc	C2709
Guspro Inc	C1952
Hubbard-Hall Inc	C2156
International Chemical Co	C1232
Kolene Corp	C2509
Powder Coating	C2356
Steelman Industries Inc	C2058

## Supply Chain Management

Airgas Inc	N5231
CNA Insurance	C7247
Fast Rite International	C854
Fastenal Company	N5736
SME Software Inc	C7245
Taylor Enterprises Inc	C347

## Systems Integration

AIDA-America Corp	C1210
Dataweld Inc	N2308
DMP Corp	C2054
IntelliFinishing	C2528
Production Systems Inc	C1858
Sutherland Presses	C152



## Tables - Cutting/Water Tables

Bowlin Engineering	C4838
Controlled Automation Inc	C7730
Flow International Corp.	C5911
Friggi N.A. Inc	C7642
Kinetic Cutting Systems Inc	C6311
Koike Aronson Inc	N4131
Messer Cutting Systems	C5916
OMAX Corp	C3940
Permatur Industries Inc	N3006
Rimco Equipment	N1631
Techni Waterjet	C5128
Weldsale LLC	N5124

## Tables - Indexing & Positioning

Accra-Wire Controls Inc	C1256
Arc Specialties Inc	N1610
Bluco Corp	N2819
Enutron International	C7750
Gullco International	N5002
JMR Industrial	C3752
Linemaster Switch Corp	C2324
Pandjiris Inc	N4810
Preston-Eastin Inc	N5731
Red Rock Automation/Romar/MEC	N4805
TigerStop LLC	C7442, C7542

## Tanks & Tank Supplies - Finishing

Binks DeVilbiss Ransburg BGK	C2532
DMP Corp	C2054
General Automatic Transfer	C2550
Krautzberger LLC	C1964
Pangborn Corp	C6516
PKG Equipment Inc	C1953
Pneu-Mech Systems Manufacturing Inc	C2539
Rex-Cut Abrasives	N2708
Tennessee Galvanizing Inc	C7113
Trimac Industrial Systems	C2359
Tri-Mer Corp	N2615
TWN Industries Inc	C2446
Walther Pilot North America	C2609

## Tapping Machines

Automated Tapping Systems	C820
Climax Portable Machining & Welding Systems	N1422
Fein Power Tools Inc	N5902
Ficep Corporation	C6550
Flexarm Inc	C7431
FomUSA	C6914
Formdrill USA Inc	C2222
International Technologies Inc	C8111
Kong NGAI Precision Metal Mould Shenzhen Co Ltd	C856

Machinery Marketing Intl	C8337
Shijiazhuang Fitex Trading Co Ltd	C159

## Thermal Spray Masking Tape/ Consumables

Aquasol Corp	N3613
Bay State Surface Technologies	N2419
Custom Fabricating & Supplies	C2510
HAI Advanced Material Spec	N2319
International Thermal Spray Assoc (ITSA)	N2509
Metallizing Equipment Co PVT LTD	N2417
Sulzer Metco US Inc	N2413

## Thermal Spray Wires & Powders

AMETEK Specialty Metal Products for Fab	C914
Ampco Metal Inc	C2326
Bay State Surface Technologies	N2419
BMM Welding Material Co	N6109
DURUM USA	N2316
HAI Advanced Material Spec	N2319
Haynes International	N1617
International Thermal Spray Assoc (ITSA)	N2509
Kennametal Stellite	N2528
Metallizing Equipment Co PVT LTD	N2417
Nation Coating Systems Inc	N2416
Polymet Corp	N2313
PT-Mat	N3337
Sandvik Materials Technology	N3019
Special Metals Welding Products Co	N3118
St Louis Metallizing Co	N2315
Sulzer Metco US Inc	N2413
TAFI Inc	N2318

## Thermal Spraying Machines & Components

American Torch Tip Co Inc	N2022
Arc Specialties Inc	N1610
Bay State Surface Technologies	N2419
Bug-O Systems	N4813, N5013
Centerline (Windsor) Ltd	N1926
HAI Advanced Material Spec	N2319
IBEDA /Superflash Compressed Gas Equipment Inc	N3437
International Thermal Spray Assoc (ITSA)	N2509
Metallizing Equipment Co PVT LTD	N2417
Mill Masters	C1533
Preston-Eastin Inc	N5731
St Louis Metallizing Co	N2315
Sulzer Metco US Inc	N2413
TAFI Inc	N2318

## Tool & Die Design

A-G Tool & Die	C920
American Machine & Rollform Tech	C5520
Atlantic Tool & Die Co	C1155
BesTech Tool Corp	C921
Bradbury Co., Inc., The	C5520
Bradbury Group, The	C5520
Chelar Tool & Die Inc	C349
Cleveland Steel Tool Co	C5522
COR-MET INC	N5534
F & G Tool and Die Co	C1413
Heim Group, The	C1331
Kong NGAI Precision Metal Mould Shenzhen Co Ltd	C856
Lucky Harvest Co Ltd	C958
Marion Die & Fixture Inc	C5520
Nebraska Public Power District	C7347
Ningbo Hi-Tech Moldie Machinery Co Ltd	C356
Penn United Technologies Inc	C1420
Pottiez America LP	C1025
R&B Machining Inc	C2124
Simufact-Americas LLC	C1352
Superior Die Set Corp	C658
TOP YES Precision Metal Products Co LTD	C1028
Uelner Precision Tools & Dies	C937
Ultratech Tool & Design Inc	C1332
Unipunch Products Inc	C3732
Victory Tool	C246

## Tool Storage/Cabinets

Wila USA	C5709
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## Tool Surface Treatment Equipment

Beilun Futuo Mechanical Tools Co Ltd	N6026
Bohler Uddeholm Corp	C1417
EFD Induction Inc	C2139
IonBond	C1010
Joysun Abrasives Co Ltd	N3208
KULLEN - KOTI GmbH	N3137
Metabo Corp	N6131
Osborn	C2737, N3309
Rocklin Manufacturing Co	C1433
SKM Industries Inc	N1717
Wilson Tool International	C1013, C5116

## Tooling - Carbide

California Cold Saw	C7240
Chemtool Inc	C660
Darex LLC	C8138
Easy Abrasives LLC	N2618
Elizabeth Carbide Components	C150





**Tool Surface Treatment Equipment**

F & G Tool and Die Co	C1413
Formdrill USA Inc	C2222
Hydro Carbide Inc	C8238
<b>Overton Industries</b>	<b>C2225</b>
<b>Penn United Technologies Inc</b>	<b>C1420</b>
Precision Punch Corp.	C1432
Suhner Industrial Products Inc	N3010
WAFIOS Machinery Corp	C1736
Yestool/Aloris-USA	C8310

**Tooling - Ceramic**

California Cold Saw	C7240
Elizabeth Carbide Components	C150
<b>Overton Industries</b>	<b>C2225</b>
WAFIOS Machinery Corp	C1736

**Tooling - Components**

American Punch Co	C5026
Anchor Danly	C931
BesTech Tool Corp	C921
Bilsing Automation North America	C926
<b>Chelar Tool &amp; Die Inc</b>	<b>C349</b>
Dayton Progress Corp	C813
Elizabeth Carbide Components	C150
Formdrill USA Inc	C2222
Gem Tool Corporation	C2320
Global Metal Spinning Solutions Inc	C934
GMT North America	C353
Hiwin Corp	C1321
Hydro Carbide Inc	C8238
<b>MegaFab-Piranha-Whitney-Bertsch</b>	<b>C5113</b>
MJC Engineering & Technology Inc	C1156
Moeller Precision Tool	C1020
MultiCam Inc	C5516
Pacesetter Systems	C1412
<b>Penn United Technologies Inc</b>	<b>C1420</b>
Polyurethane Products Corp	C3811
Pottiez America LP	C1025
Precision Punch Corp.	C1432
Precision Stamping Products	C1158
Pronic Inc	C828
R&B Machining Inc	C2124
Rolleri USA	C3750
Saar Hartmetall USA LLC	N5925
Ulbrich Stainless Steels & Special Metals Inc	C1015
Whistler & Sons Inc, SB	C4720
Zhejiang Changzheng Project Carbon Electrodes Co Ltd	N6210

**Tooling - Hydraulic Presses**

AddisonMckee Inc	C2339
<b>American Machine &amp; Rollform Tech</b>	<b>C5520</b>
American Punch Co	C5026

AP&T North America Inc	C1231
Attexor Clinch Systems SA	C5622
<b>Betenbender Manufacturing Inc</b>	<b>C3744</b>
Bilsing Automation North America	C926
Cleveland Punch & Die Co	C5711
Cleveland Steel Tool Co	C5522
Edwards Manufacturing Co	C7116
Formtek Metal Forming & Hill Engineering	C3708
Interlaken Technology	C947
<b>Marion Die &amp; Fixture Inc</b>	<b>C5520</b>
Pacesetter Systems	C1412
Peddinghaus Corp	C7723
Polyurethane Products Corp	C3811
Proto-1 Manufacturing	C1825
Uelner Precision Tools & Dies	C937
Unipunch Products Inc	C3732
Unitool Punch & Die	C4708
Whistler & Sons Inc, SB	C4720
Wila USA	C5709
Wilson Tool International	C1013, C5116

**Tooling - Ironworkers**

American Punch Co	C5026
Cleveland Punch & Die Co	C5711
Cleveland Steel Tool Co	C5522
Edwards Manufacturing Co	C7116
Haco Atlantic Inc	C3440
<b>Haco-Lasit</b>	<b>C3440</b>
<b>MegaFab-Piranha-Whitney-Bertsch</b>	<b>C5113</b>
Peddinghaus Corp	C7723
<b>Scotchman Industries Inc</b>	<b>C4923</b>
Suhner Industrial Products Inc	N3010
Trilogy Machinery Inc	C5140
Uni-Hydro Inc	C8537
Wilson Tool International	C1013, C5116

**Tooling - Plate Fabricating**

<b>Accurpress America Inc</b>	<b>C3047</b>
American Punch Co	C5026
<b>Betenbender Manufacturing Inc</b>	<b>C3744</b>
<b>Carrell Corp/Eagle Bending Machines</b>	<b>C5928</b>
<b>Chelar Tool &amp; Die Inc</b>	<b>C349</b>
Cleveland Punch & Die Co	C5711
Cleveland Steel Tool Co	C5522
<b>MegaFab-Piranha-Whitney-Bertsch</b>	<b>C5113</b>
Pandjiris Inc	N4810
Pushcorp Inc	N5934
PythonX-Burlington Automation	C8116
Shenzhen SYH Tooling Co Ltd	C821
Suhner Industrial Products Inc	N3010
Superior Die Set Corp	C658
Trilogy Machinery Inc	C5140
Unipunch Products Inc	C3732

Unitool Punch & Die	C4708
Wila USA	C5709

**Tooling - Press Brakes**

<b>Accurpress America Inc</b>	<b>C3047</b>
<b>Amada America Inc</b>	<b>C3916</b>
Baykal Makina Sanayi ve Ticaret AS	C5940, C5947
<b>Betenbender Manufacturing Inc</b>	<b>C3744</b>
Bohler Uddeholm Corp	C1417
<b>Bystronic Inc</b>	<b>C4328</b>
Cleveland Punch & Die Co	C5711
Edwards Manufacturing Co	C7116
Haco Atlantic Inc	C3440
<b>Haco-Lasit</b>	<b>C3440</b>
International Technologies Inc	C8111
<b>LVD Strippit</b>	<b>C3937</b>
Masteel America Corp	C3749
Polyurethane Products Corp	C3811
Premier Tooling & Mfg Inc	C1032
Rolleri USA	C3750
<b>TRUMPF Inc</b>	<b>C3016</b>
Unipunch Products Inc	C3732
Unitool Punch & Die	C4708
Whistler & Sons Inc, SB	C4720
Wila USA	C5709
Wilson Tool International	C1013, C5116

**Tooling - Progressive Die**

A-G Tool & Die	C920
American Punch Co	C5026
BesTech Tool Corp	C921
Bohler Uddeholm Corp	C1417
<b>Chelar Tool &amp; Die Inc</b>	<b>C349</b>
F & G Tool and Die Co	C1413
Kong NGAI Precision Metal Mould Shenzhen Co Ltd	C856
Lucky Harvest Co Ltd	C958
<b>Marion Die &amp; Fixture Inc</b>	<b>C5520</b>
Moeller Precision Tool	C1020
<b>Penn United Technologies Inc</b>	<b>C1420</b>
Precision Punch Corp.	C1432
Toledo Blank	C1149
Uelner Precision Tools & Dies	C937
Ultratech Tool & Design Inc	C1332
Whistler & Sons Inc, SB	C4720

**Tooling - Punch Presses**

<b>Amada America Inc</b>	<b>C3916</b>
<b>American Machine &amp; Rollform Tech</b>	<b>C5520</b>
American Punch Co	C5026
Attexor Clinch Systems SA	C5622
BesTech Tool Corp	C921
<b>Boschert Precision Machinery Inc</b>	<b>C2820</b>
<b>Bradbury Co., Inc., The</b>	<b>C5520</b>
<b>Bradbury Group, The</b>	<b>C5520</b>



<b>Chelar Tool &amp; Die Inc</b> .....	<b>C349</b>
Cleveland Punch & Die Co .....	C5711
Cleveland Steel Tool Co .....	C5522
Dayton Progress Corp .....	C813
Gem Tool Corporation .....	C2320
GMT North America .....	C353
Ketec Precision Tooling Co LTD. ....	C3834
<b>Marion Die &amp; Fixture Inc.</b> .....	<b>C5520</b>
Mate Precision Tooling .....	C3720
<b>MegaFab-Piranha-Whitney-Bertsch</b> .	<b>C5113</b>
Moeller Precision Tool .....	C1020
Nitto Kohki USA Inc .....	C1510
Pacesetter Systems .....	C1412
Polyurethane Products Corp .....	C3811
Precision Punch Corp. ....	C1432
Premier Tooling & Mfg Inc .....	C1032
<b>Salvagnini America Inc.</b> .....	<b>C3928</b>
Samco Machinery Ltd .....	C1217
<b>TRUMPF Inc.</b> .....	<b>C3016</b>
Ultratech Tool & Design Inc .....	C1332
Unipunch Products Inc. ....	C3732
Unittool Punch & Die. ....	C4708
Whistler & Sons Inc, SB .....	C4720
Wilson Tool International ...	C1013, C5116

### Tooling - Roll Forming

Acrotech .....	C8213
<b>American Machine &amp; Rollform Tech.</b>	<b>C5520</b>
American Punch Co .....	C5026
Bohler Uddeholm Corp .....	C1417
<b>Bradbury Co., Inc., The</b> .....	<b>C5520</b>
<b>Bradbury Group Australia</b> .....	<b>C5520</b>
<b>Bradbury Group, The</b> .....	<b>C5520</b>
Elizabeth Carbide Components .....	C150
Formdrill USA Inc .....	C2222
Formtek Metal Forming & Hill Engineering .....	C3708
Gem Tool Corporation .....	C2320
<b>Hayes International</b> .....	<b>C5520</b>
Metform International Ltd. ....	C5534
Mill Masters .....	C1533
Passline Performance .....	C2325
Polyurethane Products Corp .....	C3811
Precision Punch Corp. ....	C1432
Pronic Inc. ....	C828
Roll Machining Technologies & Solutions .....	C1526
Samco Machinery Ltd .....	C1217
Samson Roll Formed Products Co. ...	C6350
T&H Lemont .....	C2117
TaurinGroup USA .....	C1739
Wilson Tool International ...	C1013, C5116

### Tooling - Transfer Dies

A-G Tool & Die .....	C920
American Punch Co. ....	C5026
BesTech Tool Corp. ....	C921

Bliss Clearing Niagara .....	C933
<b>Chelar Tool &amp; Die Inc</b> .....	<b>C349</b>
F & G Tool and Die Co. ....	C1413
Kong NGAI Precision Metal Mould Shenzhen Co Ltd .....	C856
Lucky Harvest Co Ltd. ....	C958
Moeller Precision Tool .....	C1020
Pacesetter Systems .....	C1412
Uelner Precision Tools & Dies. ....	C937

### Tooling - Tube/Pipe Benders/ End Formers

AddisonMckee Inc. ....	C2339
A-G Tool & Die .....	C920
Alpine Bender Machinery .....	C1836
Ampco Metal Inc. ....	C2326
<b>Carell Corp/Eagle Bending Machines</b> .....	<b>C5928</b>
Clark Fixture Technologies .....	C1520
CML USA Inc Ercolina .....	C3739
Eaton Leonard .....	C1723
Edwards Manufacturing Co .....	C7116
Gem Tool Corporation .....	C2320
Lillbacka Powerco USA Inc. ....	C2132
Mathey Dearman .....	N5710
Midwest Bender Services Corp .....	C1728
OMNI-X Inc .....	C1537
<b>Overton Industries</b> .....	<b>C2225</b>
PHI .....	C2122
R&B Machining Inc .....	C2124
Suhner Industrial Products Inc .....	N3010
T&H Lemont .....	C2117
TaurinGroup USA .....	C1739
Tools for Bending .....	C2309
Universal Tool & Engineering .....	C1839
WAFIOS Machinery Corp .....	C1736
<b>Wauseon Machine &amp; Manufacturing Inc.</b> .....	<b>C1539</b>

### Tooling - Tube/Pipe Mills

California Cold Saw .....	C7240
Formtek Metal Forming & Hill Engineering .....	C3708
Gem Tool Corporation .....	C2320
Innerspec Technologies .....	N2217
Mill Masters .....	C1533
Moeller Precision Tool .....	C1020
PHI .....	C2122
Pushcorp Inc .....	N5934
Roll Machining Technologies & Solutions .....	C1526
Saar Hartmetall USA LLC .....	N5925
T&H Lemont .....	C2117

### Tooling - Unitized Punching/ Notching

Elizabeth Carbide Components .....	C150
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Gem Tool Corporation .....	C2320
Nitto Kohki USA Inc .....	C1510
Project Tool & Die Inc .....	C7313
SKM Industries Inc .....	N1717
Unipunch Products Inc. ....	C3732
Unittool Punch & Die. ....	C4708
Whistler & Sons Inc, SB .....	C4720

### Tooling - Urethane

Acrotech .....	C8213
Anchor Danly .....	C931
Dayton Progress Corp .....	C813
GMT North America .....	C353
Moeller Precision Tool .....	C1020
Wila USA .....	C5709
Wilson Tool International ...	C1013, C5116

### Touch-Up Paint

Anest Iwata USA Inc. ....	C2746
Cardinal Paint and Powder .....	C1761
Diamond Vogel Paints .....	C2414
Powder Coating .....	C2356
SKM Industries Inc .....	N1717
Strathmore Products Inc .....	C1955
Weld-Aid Products .....	N4928

### Trade Show Organizer

Association For Iron & Steel Technology .....	C8530
Essen Trade Shows .....	N2516

### Fabricators & Manufacturers

<b>Association</b> .....	<b>C6538</b>
Sanpo Publications Inc .....	N1507
<b>Society of Manufacturing Engineers</b> .....	<b>C6542</b>

### Trailers

<b>Long Haul Trucking</b> .....	<b>C4349</b>
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### Training Services - Management

American Society For Nondestructive Testing .....	N1615
American Welding Online .....	N2233
<b>American Welding Society</b> .....	<b>N2031</b>
<b>Fabricators &amp; Manufacturers Association</b> .....	<b>C6538</b>
North America Consulting .....	N6333
<b>Precision Metalforming Association</b> .....	<b>C463</b>
<b>Society of Manufacturing Engineers</b> .....	<b>C6542</b>
State of Wyoming .....	N3133
Technical Translation Services .....	N2604



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Accurate Die Design Inc/ Logopress Corp .....	C1423
AIDA-America Corp .....	C1210
Airgas Inc .....	N5231
American Society For Nondestructive Testing .....	N1615
American Welding Online .....	N2233
<b>American Welding Society</b> .....	<b>N2031</b>
ASKO Inc .....	C4810
Association For Iron & Steel Technology .....	C8530
<b>Chemical Coaters Assoc Int'l</b> .....	<b>C1948</b>
Electrocoat Association, The .....	C2255
<b>Fabricators &amp; Manufacturers Association</b> .....	<b>C6538</b>
IMPACT Engineering Inc .....	N5108
Ironworkers Management Progressive Action Cooperative Trust (IMPACT) .....	N3004
KUKA Robotics Corporation .....	N5702
Laser Experts Inc .....	C5742
LORD Corporation .....	N2011
NIC Industries Inc .....	C2426
North America Consulting .....	N6333
Powder Coating Consultants .....	C2422
<b>Precision Metalforming Association</b> .....	<b>C463</b>
<b>PTR-Precision Technologies Inc</b> .....	<b>N5226</b>
RealWeld Systems Inc .....	N6217
<b>Society of Manufacturing Engineers</b> .....	<b>C6542</b>
State of Wyoming .....	N3133
Sutherland Presses .....	C152
T&H Lemont .....	C2117
Technical Translation Services .....	N2604
<b>Thermatool Corp</b> .....	<b>C2110</b>
Tower Oil & Technology Co. ....	C1319
Welder Training & Testing Institute .....	N1533
Wheelabrator Group .....	C7121

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<b>Abbey International</b> .....	<b>C1514</b>
Alpine Bender Machinery .....	C1836
Chart Inc .....	N3204
COB Industries Inc .....	N5919
D/F Machine Specialties Inc .....	N2224
Fit Rite .....	N6126
Fives Bronx Inc .....	C1514
Gullco International .....	N5002
Haeusler AG .....	C5540
<b>Irc Automation Inc</b> .....	<b>N2431</b>
KUKA Robotics Corporation .....	N5702
Magnatech LLC .....	N6133
Mathey Dearman .....	N5710

Meta Vision Systems Inc .....	N5015
<b>Nucor Building Systems</b> .....	<b>C1255</b>
Praxair Inc .....	N5202
Preston-Eastin Inc .....	N5731
Prodim USA .....	C8521
Richardson Electronics Ltd .....	C3721
Sumner Manufacturing Co Inc .....	N1519
T&H Lemont .....	C2117
TaurinGroup USA .....	C1739
Weil Engineering North America ...	C8209
Yaskawa America Inc .....	N5222

## Tube/Pipe Bends & Fittings

GW KENT INC .....	N2918
Haynes International .....	N1617
National Bronze & Metals Inc. ....	C1512
Nordfab Ducting .....	N1928
Production Tube Cutting Inc .....	C2215
Proto-1 Manufacturing .....	C1825
Swagelok Marketing Services Co. ...	N3431
TaurinGroup USA .....	C1739
Valmont Coatings .....	C5724

## Tube/Pipe Bundling Equipment

Prodim USA .....	C8521
Sertom Group North America LLC ...	C6911
Tsune America .....	C3450

## Tube/Pipe Cleaning/ Degreasing Equipment

Almco Inc .....	C1220
BLM GROUP USA Corp .....	C1717
Chemtool Inc .....	C660
Durr Ecoclean Inc .....	C2437
Goff Inc .....	C2726
LS Industries Inc .....	C8123
Pangborn Corp .....	C6516
Quaker Chemical Corp .....	C1852
Steelman Industries Inc .....	C2058

## Tube/Pipe CNC Pipe Cutting

<b>AKS Cutting Systems Inc</b> .....	<b>C5135</b>
Alpine Bender Machinery .....	C1836
AltaMAR Inc .....	C1522
Baykal Makina Sanayi ve Ticaret AS .....	C5940, C5947
BLM GROUP USA Corp .....	C1717
Enutron International .....	C7750
Ficep Corporation .....	C6550
Friggi N.A. Inc .....	C7642
HGG Profiling Equipment .....	C8127
INNOVO Corp .....	C1758
J & S Machine Inc .....	C2317
<b>Koike Aronson Inc</b> .....	<b>N4131</b>
Machinery Marketing Intl. ....	C8337
Ningbo Jinfeng Welding & Cutting	

Machinery Manufacture Co Ltd ..	N6007
Pushcorp Inc .....	N5934
Red Rock Automation/Romar/MEC ..	N4805
Rhino Cutting Systems .....	N6138
SB Machine Tools .....	C2322
Toolmen Corp .....	C1253
Tri Tool Inc .....	N5913
Tubex Technology Machinery Inc ...	C2334
Victory Plasma Systems Inc .....	N4833
Westingcut Industrial Technology Anhui Inc .....	N1424
<b>Winton Machine Co</b> .....	<b>C1725</b>
<b>YLM - Ying Lin Machine Industrial Co</b> .....	<b>C2317</b>

## Tube/Pipe Compression Benders

Alpine Bender Machinery .....	C1836
BLM GROUP USA Corp .....	C1717
<b>Carell Corp/Eagle Bending Machines</b> .....	<b>C5928</b>
Eaton Leonard .....	C1723
J & S Machine Inc .....	C2317
PHI .....	C2122
TaurinGroup USA .....	C1739
Tubex Technology Machinery Inc ...	C2334
Universal Tool & Engineering .....	C1839
<b>Wauseon Machine &amp; Manufacturing Inc</b> .....	<b>C1539</b>
<b>Winton Machine Co</b> .....	<b>C1725</b>
<b>YLM - Ying Lin Machine Industrial Co</b> .....	<b>C2317</b>

## Tube/Pipe Connectors

Benxi Guangzheng Tungsten & Molybdenum Co Ltd .....	C456
GW KENT INC .....	N2918
Haynes International .....	N1617
National Bronze & Metals Inc. ....	C1512
Nordfab Ducting .....	N1928
Pacific Aerospace & Electronics ...	N1607
Production Tube Cutting Inc .....	C2215
Staubli Corp Multi Contact USA ...	N3636
Superior Products .....	N2517
Swagelok Marketing Services Co. ...	N3431

## Tube/Pipe Custom Machinery

<b>Abbey International</b> .....	<b>C1514</b>
<b>AKS Cutting Systems Inc</b> .....	<b>C5135</b>
Alpine Bender Machinery .....	C1836
AltaMAR Inc .....	C1522
Arc Specialties Inc .....	N1610
Brandt Engineered Products Ltd ...	C1755
<b>Carell Corp/Eagle Bending Machines</b> .....	<b>C5928</b>
Clark Fixture Technologies .....	C1520





CML USA Inc Ercolina	C3739
Eaton Leonard	C1723
EH Wachs Co.	N5713
Fit Rite	N6126
Fives Bronx Inc	C1514
Fontijne Grotnes Inc	C2136
Formtek Metal Forming & Hill Engineering	C3708
Friggi N.A. Inc	C7642
Global Metal Spinning Solutions Inc	C934
Haberle / Ken Bergman & Assoc LLC	C7137
HGG Profiling Equipment	C8127
INNOVO Corp	C1758
Jetline Engineering	N5813
Kent Corp.	C954, C2128
LS Industries Inc	C8123
Manufacturing Solutions Inc.	N1509
Mathey Dearman	N5710
Midwest Bender Services Corp	C1728
Mill Masters	C1533
OMAX Corp	C3940
<b>Orbitalum Orbital Cutting + Welding</b>	<b>N5713</b>
Project Tool & Die Inc	C7313
Proto-1 Manufacturing	C1825
Pushcorp Inc	N5934
Richardson Electronics Ltd	C3721
Rimco Equipment	N1631
Steelmax Tools	N4737
TaurinGroup USA.	C1739
T-DRILL Industries Inc	C2121
Toolmen Corp	C1253
Tri Tool Inc	N5913
Tube Works Inc	C1449
Tubex Technology Machinery Inc	C2334
Universal Tool & Engineering	C1839
WAFIOS Machinery Corp	C1736
<b>Wauseon Machine &amp; Manufacturing Inc.</b>	<b>C1539</b>
Weil Engineering North America	C8209
<b>Winton Machine Co</b>	<b>C1725</b>

**Tube/Pipe Cut-off Machines**

<b>Abbey International</b>	<b>C1514</b>
AddisonMckee Inc.	C2339
Alpine Bender Machinery	C1836
Automec Inc	C4832
BTM Bandsaws	C8416
Cosen Saws USA	C7136
CTD Machines Inc.	C8423
Dake Corporation	C6923
Doringer Cold Saws	C4913
Dynabrade Inc	C2409
Eaton Leonard	C1723

Eberle America Inc	C8312
EH Wachs Co.	N5713
Enutron International	C7750
ESCO Tool Co.	C5735
Fives Bronx Inc	C1514
FomUSA	C6914
Formtek Metal Forming & Hill Engineering	C3708
Friggi N.A. Inc	C7642
H & M Pipe Beveling Machine Co Inc	N3419
Haas Saw & Supply	C1535


Haberle / Ken Bergman & Assoc LLC	C7137
Horn Machine Tools Inc	C1734
Hyd-Mech Group Ltd.	C6523
INNOVO Corp	C1758
J & S Machine Inc.	C2317
Kent Corp.	C954, C2128
<b>Marion Die &amp; Fixture Inc.</b>	<b>C5520</b>
Mathey Dearman	N5710
<b>Mazak Optonics Corp</b>	<b>C3428</b>

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## Tube/Pipe Cut-off Machines

Metlsaw Systems Inc . . . . .	C8229
Midwest Bender Services Corp . . . . .	C1728
Mill Masters . . . . .	C1533
New Centurion Enterprises Ltd. . . . .	C8347
Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd . . . . .	N6007

### Orbitalum Orbital Cutting

+ Welding . . . . . N5713

Overton Industries . . . . . C2225

Pador Marketing Group . . . . . N2927

Passline Performance . . . . . C2325

Pat Mooney Inc . . . . . C6913

Project Tool & Die Inc . . . . . C7313

Proto-1 Manufacturing . . . . . C1825

Scotchman Industries Inc . . . . . C4923

T&H Lemont . . . . . C2117

T-DRILL Industries Inc . . . . . C2121

Thermatool Corp . . . . . C2110

Toolmen Corp . . . . . C1253

Top Cat Air Tools . . . . . C2361

Tri Tool Inc . . . . . N5913

Tsune America . . . . . C3450

Tubex Technology Machinery Inc . . . . . C2334

voestalpine – Roll Forming Corp

& Rotec Inc. . . . . C4725

### YLM - Ying Lin Machine

Industrial Co . . . . . C2317

## Tube/Pipe Deburring Equipment

Abtex Corp. . . . . C7547

Almco Inc. . . . . C1220

### Apex Machine Group/

SlipCon USA . . . . . C5528

Beilun Futuo Mechanical

Tools Co Ltd. . . . . N6026

BLM GROUP USA Corp . . . . . C1717

Comco Inc . . . . . C5052

CS Unitec Inc. . . . . N5531

EH Wachs Co. . . . . N5713

Fein Power Tools Inc . . . . . N5902

Fives Bronx Inc . . . . . C1514

Haberle / Ken Bergman

& Assoc LLC . . . . . C7137

Kent Corp. . . . . C954, C2128

KLINGSPOR Abrasives Inc. . . . . N3135

KUKA Robotics Corporation . . . . . N5702

KULLEN - KOTI GmbH . . . . . N3137

Manufacturing Solutions Inc. . . . . N1509

Metcast Service Tech Resources . . . . . C6946

Midwest Bender Services Corp . . . . . C1728

Nitto Kohki USA Inc . . . . . C1510

### Orbitalum Orbital Cutting

+ Welding . . . . . N5713

Osborn . . . . . C2737, N3309

Pangborn Corp. . . . . C6516

PFERD INC. . . . . N5018

PHI . . . . . C2122

Proto-1 Manufacturing . . . . . C1825

Rex-Cut Abrasives . . . . . N2708

Rosler Metal Finishing USA LLC . . . . . C7733

Saar Hartmetall USA LLC . . . . . N5925

Scantool USA By CML USA . . . . . C7147

Suhner Industrial Products Inc . . . . . N3010

Swagelok Marketing Services Co. . . . . N3431

T-DRILL Industries Inc . . . . . C2121

Tubex Technology Machinery Inc . . . . . C2334

### Universal Tube & Rollform

Equipment Corp. . . . . C1528

Weiler Corp . . . . . N4831

Wendt USA LLC. . . . . N2606

Wheelabrator Group . . . . . C7121

## Tube/Pipe Draw Benches

Abbey International. . . . . C1514

Fives Bronx Inc . . . . . C1514

Nucor Building Systems . . . . . C1255

R&B Machining Inc . . . . . C2124

### Universal Tube & Rollform

Equipment Corp. . . . . C1528

Wuxi Dixin Steel Pipe Co Ltd . . . . . C1554

## Tube/Pipe End Forming Equipment

AddisonMckee Inc. . . . . C2339

AIM Inc . . . . . C1832

Alpine Bender Machinery . . . . . C1836

Brandt Engineered Products Ltd . . . . . C1755

Chiyoda Kogyo-Maruka USA. . . . . C2134

Eaton Leonard . . . . . C1723

Fontijne Grotnes Inc . . . . . C2136

GH Induction Atmospheres LLC . . . . . C2323

Global Metal Spinning Solutions Inc . . . . . C934

Haeusler AG . . . . . C5540

Heck Industries . . . . . C4828

INNOVO Corp . . . . . C1758

J & S Machine Inc. . . . . C2317

Manufacturing Solutions Inc. . . . . N1509

Midwest Bender Services Corp . . . . . C1728

MJC Engineering & Technology Inc . . . . . C1156

Multipress Inc . . . . . C1022

Overton Industries. . . . . C2225

Perfection Global LLC . . . . . C3832

Peter Prinzing GmbH . . . . . C5638

PHI . . . . . C2122

Proto-1 Manufacturing . . . . . C1825

R&B Machining Inc . . . . . C2124

SB Machine Tools . . . . . C2322

Scotchman Industries Inc . . . . . C4923

Tubex Technology Machinery Inc . . . . . C2334

Universal Tool & Engineering . . . . . C1839

### Wauseon Machine &

Manufacturing Inc. . . . . C1539

Winton Machine Co . . . . . C1725

### YLM - Ying Lin Machine

Industrial Co . . . . . C2317

## Tube/Pipe Expanders

AddisonMckee Inc. . . . . C2339

BLM GROUP USA Corp . . . . . C1717

CS Unitec Inc. . . . . N5531

Eaton Leonard . . . . . C1723

ESCO Tool Co. . . . . C5735

Fontijne Grotnes Inc . . . . . C2136

Haeusler AG . . . . . C5540

INNOVO Corp . . . . . C1758

Nordfab Ducting . . . . . N1928

Peter Prinzing GmbH . . . . . C5638

R&B Machining Inc. . . . . C2124

T-DRILL Industries Inc . . . . . C2121

### Universal Tube & Rollform

Equipment Corp. . . . . C1528

### Wauseon Machine &

Manufacturing Inc. . . . . C1539

Winton Machine Co . . . . . C1725

## Tube/Pipe Extrusion Presses

Macrodyne Technologies Inc . . . . . C252

Nucor Building Systems . . . . . C1255

## Tube/Pipe Finning Machines

AM Machinery Sales . . . . . C5528

Elo Automated Stainless Steel

Technologies Qingdao Co Ltd . . . . . C8342

ESCO Tool Co. . . . . C5735

Peter Prinzing GmbH . . . . . C5638

## Tube/Pipe Flanging Machines

AddisonMckee Inc. . . . . C2339

BLM GROUP USA Corp . . . . . C1717

Eaton Leonard . . . . . C1723

EH Wachs Co. . . . . N5713

ESCO Tool Co. . . . . C5735

Haeusler AG . . . . . C5540

INNOVO Corp . . . . . C1758

MJC Engineering & Technology Inc . . . . . C1156

### Orbitalum Orbital Cutting

+ Welding . . . . . N5713

Overton Industries. . . . . C2225

Peter Prinzing GmbH . . . . . C5638

PHI . . . . . C2122

Proto-1 Manufacturing . . . . . C1825

T-DRILL Industries Inc . . . . . C2121

Trilogy Machinery Inc . . . . . C5140

Universal Tool & Engineering . . . . . C1839

### Wauseon Machine &

Manufacturing Inc. . . . . C1539



### Tube/Pipe Flaring Machines

AddisonMckee Inc. ....	C2339
BLM GROUP USA Corp. ....	C1717
Eaton Leonard. ....	C1723
INNOVO Corp. ....	C1758
J & S Machine Inc. ....	C2317
<b>Overton Industries. ....</b>	<b>C2225</b>
PHI. ....	C2122
Proto-1 Manufacturing. ....	C1825
Sertom Group North America LLC. ....	C6911
T-DRILL Industries Inc. ....	C2121
Universal Tool & Engineering. ....	C1839
<b>Universal Tube &amp; Rollform Equipment Corp. ....</b>	<b>C1528</b>
<b>Wauseon Machine &amp; Manufacturing Inc. ....</b>	<b>C1539</b>

### Tube/Pipe Grinding & Polishing Equipment

AM Machinery Sales. ....	C5528
<b>Apex Machine Group/ SlipCon USA. ....</b>	<b>C5528</b>
CIMID Corp. ....	C8327
Costa & Grissom Machinery Co. ....	C7516
CS Unitec Inc. ....	N5531
Dynabrade Inc. ....	C2409
Fein Power Tools Inc. ....	N5902
Fiba Technologies Inc. ....	N6324
KLINGSPOR Abrasives Inc. ....	N3135
KUKA Robotics Corporation. ....	N5702
Metabo Corp. ....	N6131
Michigan Pneumatic Tool Inc. ....	N6034
Osborn. ....	C2737, N3309
PFERD INC. ....	N5018
Rex-Cut Abrasives. ....	N2708
Scantool USA By CML USA. ....	C7147
Suhner Industrial Products Inc. ....	N3010
Top Cat Air Tools. ....	C2361
Wendt USA LLC. ....	N2606

### Tube/Pipe Grooving Machines

MJC Engineering & Technology Inc. ....	C1156
<b>Overton Industries. ....</b>	<b>C2225</b>
Proto-1 Manufacturing. ....	C1825
Pushcorp Inc. ....	N5934
RIDGID. ....	C8412
Toolmen Corp. ....	C1253
<b>Wauseon Machine &amp; Manufacturing Inc. ....</b>	<b>C1539</b>

### Tube/Pipe Hand Benders

Baileigh Industrial Inc. ....	C7513
Dake Corporation. ....	C6923
Eaton Leonard. ....	C1723
Heck Industries. ....	C4828
Peter Prinzing GmbH. ....	C5638

PHI. ....	C2122
Swagelok Marketing Services Co. ....	N3431
TaurinGroup USA. ....	C1739
Trilogy Machinery Inc. ....	C5140
<b>Wauseon Machine &amp; Manufacturing Inc. ....</b>	<b>C1539</b>
<b>Winton Machine Co. ....</b>	<b>C1725</b>

### Tube/Pipe Handling Systems

Alpine Bender Machinery. ....	C1836
CH Steel Solutions Inc. ....	C7348
Demag Cranes and Components. ....	C560
ERIEZ. ....	C7316
Foerster Instruments Inc. ....	C1523
Friggi N.A. Inc. ....	C7642
HGG Profiling Equipment. ....	C8127
<b>Irco Automation Inc. ....</b>	<b>N2431</b>
Manufacturing Solutions Inc. ....	N1509
Nordfab Ducting. ....	N1928
<b>Nucor Building Systems. ....</b>	<b>C1255</b>
Prodim USA. ....	C8521
Red Rock Automation/Romar/MEC. ....	N4805
Rimco Equipment. ....	N1631
Steel Storage Systems Inc. ....	C6916
Sumner Manufacturing Co Inc. ....	N1519
Universal Tool & Engineering. ....	C1839
Walker Magnetics. ....	C7536

### Tube/Pipe Hydroforming Machines

AP&T North America Inc. ....	C1231
Chemtool Inc. ....	C660
Enprotech Industrial Technologies LLC. ....	C1439
Interlaken Technology. ....	C947
Macrodyne Technologies Inc. ....	C252
Schuler Incorporated. ....	C917
Wayne Trail, a Lincoln Electric Company. ....	N4513

### Tube/Pipe Incremental Benders

Alpine Bender Machinery. ....	C1836
BLM GROUP USA Corp. ....	C1717
<b>Boschert Precision Machinery Inc. ....</b>	<b>C2820</b>
Dake Corporation. ....	C6923
Eaton Leonard. ....	C1723
Sertom Group North America LLC. ....	C6911
WAFIOS Machinery Corp. ....	C1736

### Tube/Pipe Induction Benders

GH Induction Atmospheres LLC. ....	C2323
Radyne Corp. ....	N5024

### Tube/Pipe Mills - ERW

<b>Abbey International. ....</b>	<b>C1514</b>
Brandt Engineered Products Ltd. ....	C1755

Econco/CPI. ....	C3712
Fives Bronx Inc. ....	C1514
Gasparini SPA. ....	C5536
Innerspec Technologies. ....	N2217
Mill Masters. ....	C1533
<b>Nucor Building Systems. ....</b>	<b>C1255</b>
Passline Performance. ....	C2325
T&H Lemont. ....	C2117
<b>Universal Tube &amp; Rollform Equipment Corp. ....</b>	<b>C1528</b>

### Tube/Pipe Mills - GTAW (TIG)

<b>ABICOR Binzel Corp. ....</b>	<b>N5508</b>
AMET Inc. ....	N4518
Brandt Engineered Products Ltd. ....	C1755
D/F Machine Specialties Inc. ....	N2224
Gasparini SPA. ....	C5536
Innerspec Technologies. ....	N2217
Liburdi Automation Inc. ....	N3609
Mill Masters. ....	C1533
<b>Nucor Building Systems. ....</b>	<b>C1255</b>
Passline Performance. ....	C2325
Red Rock Automation/Romar/MEC. ....	N4805
<b>Universal Tube &amp; Rollform Equipment Corp. ....</b>	<b>C1528</b>

### Tube/Pipe Mills - High Frequency

Brandt Engineered Products Ltd. ....	C1755
D&H Machinery Inc. ....	C2112
Econco/CPI. ....	C3712
Formtek Metal Forming & Hill Engineering. ....	C3708
Gasparini SPA. ....	C5536
Innerspec Technologies. ....	N2217
Kent Corp. ....	C954, C2128
Mill Masters. ....	C1533
<b>Nucor Building Systems. ....</b>	<b>C1255</b>
Passline Performance. ....	C2325
T&H Lemont. ....	C2117
<b>Universal Tube &amp; Rollform Equipment Corp. ....</b>	<b>C1528</b>

### Tube/Pipe Mills - Induction

Ambrell Precision Induction Heating. ....	C4950
Econco/CPI. ....	C3712
Formtek Metal Forming & Hill Engineering. ....	C3708
Gasparini SPA. ....	C5536
GH Induction Atmospheres LLC. ....	C2323
<b>Nucor Building Systems. ....</b>	<b>C1255</b>
Passline Performance. ....	C2325
Radyne Corp. ....	N5024





### Tube/Pipe Mills - Laser

<b>Bystronic Inc</b> .....	<b>C4328</b>
Econco/CPI .....	C3712
Formtek Metal Forming & Hill Engineering .....	C3708
Gasparini SPA .....	C5536
Innerspec Technologies .....	N2217
Laser Mechanisms Inc .....	C3810
<b>Mazak Optonics Corp</b> .....	<b>C3428</b>
Mill Masters .....	C1533
<b>Nucor Building Systems</b> .....	<b>C1255</b>
<b>TRUMPF Inc</b> .....	<b>C3016</b>
Weil Engineering North America ...	C8209

### Tube/Pipe Mills - Pilger

<b>Nucor Building Systems</b> .....	<b>C1255</b>
Wuxi Dixin Steel Pipe Co Ltd .....	C1554

### Tube/Pipe Mills - Spiral

Brandt Engineered Products Ltd .....	C1755
Gasparini SPA .....	C5536
Harbert's Products Inc/ Allied Flux Reclaiming Ltd .....	N4824
Innerspec Technologies .....	N2217
<b>Nucor Building Systems</b> .....	<b>C1255</b>

### Tube/Pipe Mills - Welding Power Supplies

EFD Induction Inc. ....	C2139
Harbert's Products Inc/ Allied Flux Reclaiming Ltd .....	N4824
Liburdi Automation Inc .....	N3609
Pyro Shield Inc. ....	N6313

### Tube/Pipe Notching Machines

AddisonMckee Inc. ....	C2339
Baileigh Industrial Inc .....	C7513
CML USA Inc Ercolina .....	C3739
Dake Corporation .....	C6923
Dynatorch Inc .....	N4837
Edwards Manufacturing Co .....	C7116
Fein Power Tools Inc .....	N5902
FomUSA .....	C6914
Haberle / Ken Bergman & Assoc LLC .....	C7137
Heck Industries .....	C4828
HGG Profiling Equipment .....	C8127
INNOVO Corp .....	C1758
InterTest Inc. ....	N5824
Midwest Bender Services Corp ...	C1728
<b>Overton Industries</b> .....	<b>C2225</b>
Project Tool & Die Inc .....	C7313
Proto-1 Manufacturing .....	C1825
R&B Machining Inc .....	C2124
Scantool USA By CML USA .....	C7147
<b>Scotchman Industries Inc</b> .....	<b>C4923</b>

Toolmen Corp .....	C1253
TOX Pressotechnik LLC .....	C5024
Unipunch Products Inc .....	C3732
Unittool Punch & Die .....	C4708
Weil Engineering North America ...	C8209

### Tube/Pipe Ovalforming Machines

Peter Prinzing GmbH .....	C5638
Proto-1 Manufacturing .....	C1825
Toolmen Corp .....	C1253
Weldlogic Inc .....	N5826

### Tube/Pipe Piercing Machines

AddisonMckee Inc. ....	C2339
AM Machinery Sales .....	C5528
Dynatorch Inc .....	N4837
INNOVO Corp .....	C1758
Proto-1 Manufacturing .....	C1825
TOX Pressotechnik LLC .....	C5024
Unipunch Products Inc .....	C3732
Unittool Punch & Die .....	C4708
Universal Tool & Engineering .....	C1839

### Tube/Pipe Ram Benders

AddisonMckee Inc. ....	C2339
Alpine Bender Machinery .....	C1836
<b>Boschert Precision Machinery Inc.</b> ...	<b>C2820</b>
Fein Power Tools Inc .....	N5902
INNOVO Corp .....	C1758
J & S Machine Inc. ....	C2317
Proto-1 Manufacturing .....	C1825
Universal Tool & Engineering .....	C1839

### Tube/Pipe Reducers

AddisonMckee Inc. ....	C2339
INNOVO Corp .....	C1758
J & S Machine Inc. ....	C2317
Lillbacka Powerco USA Inc .....	C2132
Nordfab Ducting .....	N1928
<b>Overton Industries</b> .....	<b>C2225</b>
Proto-1 Manufacturing .....	C1825
R&B Machining Inc .....	C2124
<b>Wauseon Machine &amp; Manufacturing Inc.</b> .....	<b>C1539</b>

### Tube/Pipe Roll Benders

<b>Boschert Precision Machinery Inc.</b> ...	<b>C2820</b>
C Marshall Fabrication Machinery ..	C7716
<b>Carell Corp/Eagle Bending Machines</b> .....	<b>C5928</b>
CML USA Inc Ercolina .....	C3739
COMEQ Inc .....	C5125
Dake Corporation .....	C6923
Faccin USA Inc .....	C6323
Haeusler AG .....	C5540

J & S Machine Inc. ....	C2317
KNUTH Machine Tools USA Inc ....	C4910
Peter Prinzing GmbH .....	C5638
Prestige Equipment Corporation ....	C7214
TaurinGroup USA .....	C1739
Trilogy Machinery Inc .....	C5140
Weldlogic Inc .....	N5826
<b>Winton Machine Co</b> .....	<b>C1725</b>

### Tube/Pipe Rotary Draw Benders

AddisonMckee Inc. ....	C2339
Alpine Bender Machinery .....	C1836
Baileigh Industrial Inc .....	C7513
BLM GROUP USA Corp .....	C1717

#### Carell Corp/Eagle

<b>Bending Machines</b> .....	<b>C5928</b>
Chiyoda Kogyo-Maruka USA .....	C2134
CML USA Inc Ercolina .....	C3739
Eaton Leonard .....	C1723
Edwards Manufacturing Co .....	C7116
Horn Machine Tools Inc .....	C1734
INNOVO Corp .....	C1758
J & S Machine Inc. ....	C2317
TaurinGroup USA .....	C1739
Tube Works Inc .....	C1449
Tubex Technology Machinery Inc ...	C2334
Universal Tool & Engineering .....	C1839

#### Universal Tube & Rollform

<b>Equipment Corp.</b> .....	<b>C1528</b>
WAFIOS Machinery Corp .....	C1736
Wayne Trail, a Lincoln Electric Company .....	N4513
<b>Winton Machine Co</b> .....	<b>C1725</b>
<b>YLM - Ying Lin Machine Industrial Co</b> .....	<b>C2317</b>

### Tube/Pipe Scarfing Equipment

American Torch Tip Co Inc. ....	N2022
ESCO Tool Co. ....	C5735
Gem Tool Corporation .....	C2320
Kent Corp. ....	C954, C2128
Saar Hartmetall USA LLC .....	N5925
T&H Lemont .....	C2117

### Tube/Pipe Serpentine Benders

AIM Inc .....	C1832
Alpine Bender Machinery .....	C1836
J & S Machine Inc. ....	C2317
Tubex Technology Machinery Inc ...	C2334
Universal Tool & Engineering .....	C1839
<b>Winton Machine Co</b> .....	<b>C1725</b>



### Tube/Pipe Stands/Jacks/ Positioners

Advanced Tubular Technologies Inc .	C1556
Intercon Enterprises Inc . . . . .	N3227
<b>Irco Automation Inc. . . . .</b>	<b>N2431</b>
RIDGID. . . . .	C8412

### Tube/Pipe Stretch Benders

Alpine Bender Machinery . . . . .	C1836
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### Tube/Pipe Supplied - Copper/ Copper Alloys

Ampco Metal Inc. . . . .	C2326
Cambridge Lee Industries LLC. . . . .	C8333
Haynes International. . . . .	N1617
KME Germany GmbH & Co KG . . . . .	N1525
Liaoning Longyuan Industry Co Ltd . . . . .	C455
National Bronze & Metals Inc. . . . .	C1512
Ningbo Powerway Alloy Material Co Ltd. . . . .	N5038
Production Tube Cutting Inc . . . . .	C2215
ZJ Industries Inc . . . . .	N2704

### Tube/Pipe Supplied - Other Ferrous Metals

American Roll Form. . . . .	C5038
Haynes International. . . . .	N1617
Liaoning Longyuan Industry Co Ltd . . . . .	C455
Production Tube Cutting Inc . . . . .	C2215
Stripmatic Products Inc. . . . .	C1415

### Tube/Pipe Supplied - Other Nonferrous Metals

Cambridge Lee Industries LLC. . . . .	C8333
Liaoning Longyuan Industry Co Ltd . . . . .	C455
MMC Superalloy Corp. . . . .	N1826
Nanjing Youtian Metal Technology Co Ltd. . . . .	N1616
National Bronze & Metals Inc. . . . .	C1512
Ningbo Powerway Alloy Material Co Ltd. . . . .	N5038
Production Tube Cutting Inc . . . . .	C2215

### Tube/Pipe Supplied - Steel (Carbon)

American Roll Form. . . . .	C5038
<b>Lapham-Hickey Steel Corp . . . . .</b>	<b>C840</b>
Liaoning Longyuan Industry Co Ltd . . . . .	C455
Production Tube Cutting Inc . . . . .	C2215
Stripmatic Products Inc. . . . .	C1415
Valmont Coatings . . . . .	C5724

### Tube/Pipe Supplied - Steel (Stainless)

Benxi Guangzheng Tungsten & Molybdenum Co Ltd . . . . .	C456
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Liaoning Longyuan Industry Co Ltd . . . . .	C455
Production Tube Cutting Inc . . . . .	C2215
Stripmatic Products Inc. . . . .	C1415
Swagelok Marketing Services Co. . . . .	N3431
Wuxi Dixin Steel Pipe Co Ltd . . . . .	C1554

### Tube/Pipe Swaging Machines

AddisonMckee Inc. . . . .	C2339
BLM GROUP USA Corp . . . . .	C1717
CML USA Inc Ercolina. . . . .	C3739
INNOVO Corp . . . . .	C1758
Lillbacka Powerco USA Inc. . . . .	C2132
<b>Overton Industries. . . . .</b>	<b>C2225</b>
PHI . . . . .	C2122
Project Tool & Die Inc. . . . .	C7313
Proto-1 Manufacturing . . . . .	C1825
Swagelok Marketing Services Co. . . . .	N3431
<b>Universal Tube &amp; Rollform Equipment Corp. . . . .</b>	<b>C1528</b>
<b>Wauseon Machine &amp; Manufacturing Inc. . . . .</b>	<b>C1539</b>

### Tube/Pipe Threading/ Knurling Machines

<b>Nucor Building Systems . . . . .</b>	<b>C1255</b>
Proto-1 Manufacturing . . . . .	C1825
RIDGID. . . . .	C8412

### Turning Machines

Climax Portable Machining & Welding Systems . . . . .	N1422
Elo Automated Stainless Steel Technologies Qingdao Co Ltd . . . . .	C8342
F & G Tool and Die Co. . . . .	C1413
Genstar Technologies Inc . . . . .	N2822
Gerb Vibration Control Systems . . . . .	C852
Gulco International. . . . .	N5002
International Mold Steel. . . . .	C556
KNUTH Machine Tools USA Inc . . . . .	C4910
Kong NGAI Precision Metal Mould Shenzhen Co Ltd . . . . .	C856
Machinery Marketing Intl . . . . .	C8337
Manufacturing Solutions . . . . .	C8429
Manufacturing Solutions Inc. . . . .	N1509
<b>Murata Machinery USA Inc . . . . .</b>	<b>C3028</b>
Preston-Eastin Inc . . . . .	N5731
Roll Machining Technologies & Solutions. . . . .	C1526
Shijiazhuang Fitex Trading Co Ltd. . . . .	C159

### Ultrafiltration Equipment for Electrocoating

DMP Corp . . . . .	C2054
Eisenmann Corp . . . . .	C2439

### Ultrasonic Cleaning Equipment

Almco Inc. . . . .	C1220
Durr Ecoclean Inc . . . . .	C2437
I.S.T. International Surface Technologies . . . . .	C1958
<b>MTM Meissner Technik Mullenbach GmbH . . . . .</b>	<b>C2155</b>
PKG Equipment Inc . . . . .	C1953

### Used Machinery

Advanced Laser Services LLC . . . . .	C5634
Alternative Parts Inc . . . . .	C3726
<b>Betenbender Manufacturing Inc. . . . .</b>	<b>C3744</b>
Bliss Clearing Niagara . . . . .	C933
Climax Portable Machining & Welding Systems . . . . .	N1422
COMEQ Inc . . . . .	C5125
Controlled Automation Inc . . . . .	C7730
D&H Machinery Inc. . . . .	C2112
Darex LLC . . . . .	C8138
Global Metal Spinning Solutions Inc . . . . .	C934
Haeusler AG . . . . .	C5540
Heim Group, The . . . . .	C1331
International Technologies Inc . . . . .	C8111
Janda Co Inc . . . . .	N1924
Kent Corp. . . . .	C954, C2128
Leifeld Metal Spinning AG . . . . .	C8112
Machinery Marketing Intl . . . . .	C8337
<b>Mazak Optonics Corp . . . . .</b>	<b>C3428</b>
Midwest Bender Services Corp . . . . .	C1728
Ogden Welding Systems. . . . .	N3035
Prestige Equipment Corporation. . . . .	C7214
<b>PTR-Precision Technologies Inc . . . . .</b>	<b>N5226</b>
<b>Salvagnini America Inc . . . . .</b>	<b>C3928</b>
<b>Scotchman Industries Inc . . . . .</b>	<b>C4923</b>
Semyx LLC. . . . .	C6347
TJ Snow Co. . . . .	N2613
Voortman Corporation. . . . .	C7739

### UV Curable Coatings

Cardinal Paint and Powder . . . . .	C1761
Keyland Polymer Ltd . . . . .	C2063
PPG Industries. . . . .	C2739
Strathmore Products Inc . . . . .	C1955

### UV Curing Equipment & Lamps

<b>Nordson Corp . . . . .</b>	<b>C2517</b>
Production Systems Inc. . . . .	C1858
Richard Wolf Industrial. . . . .	N2309



## Vacuum Lifting & Positioning Equipment

Burghardt + Schmidt GmbH	C4934
Coral Spa / Industrial	
Air Solutions	N2813
Demag Cranes and Components	C560
Industrial Magnetics Inc	C5728
JMR Industrial	C3752
Lissmac Corp	C4340
Permadur Industries Inc	N3006
Red Rock Automation/Romar/MEC	N4805

## Vacuum Systems for Powder Coating

Combustion and Systems Inc	C2411
Coral Spa / Industrial	
Air Solutions	N2813
KCI America Co Ltd	C2062
Powder Coating	C2356

## Vacuum/Oscillator Tubes

Benxi Guangzheng Tungsten & Molybdenum Co Ltd	C456
Econco/CPI	C3712
Richardson Electronics Ltd	C3721
<b>Thermatool Corp</b>	<b>C2110</b>

## Varnish

Cardinal Paint and Powder	C1761
Strathmore Products Inc	C1955

## Vibration Control/ Machine Mounting Equipment

Gerb Vibration Control Systems	C852
Mayfran International Inc	C939
<b>Strong Hand Tools</b>	<b>N3631</b>
Unisorb Installation Technologies	C1411
Vibro Dynamics Corp	C1012

## Waste Treatment & Recovery Processes & Equipment

BECCA Inc	C1854
<b>Chemetall US Inc</b>	<b>C2709</b>
Coral Chemical Co	C2417
DMP Corp	C2054
Gaozhou City Longsafety	
Labor Insurance	N6201
<b>George Koch Sons LLC</b>	<b>C2521</b>
<b>H2Pump LLC</b>	<b>C1154</b>
I.S.T. International	
Surface Technologies	C1958
Industrial Innovations Inc	C836
Meltric Corp	N4826
Nederman Inc	N1604

## Water Circulators - Welding

CM Industries Inc	N2810
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## Waterjet Cutting Machines & Components

A&V Waterjet Tech Inc	C7533
Accustream Inc	C8109
Baileigh Industrial Inc	C7513
<b>Barton</b>	<b>C4916</b>
<b>Bystronic Inc</b>	<b>C4328</b>
Flow International Corp	C5911
Friggi N.A. Inc	C7642
H2O JET Inc	C5713
International Waterjet Parts	C5847
<b>Jet Edge</b>	<b>C4349</b>
JETCAM-NestONE Solutions	C4722
Kinetic Cutting Systems Inc	C6311
KMT Waterjet Systems Inc	C6334
KNUTH Machine Tools USA Inc	C4910
<b>Koike Aronson Inc</b>	<b>N4131</b>
Machinery Marketing Intl	C8337
Manufacturing Solutions	C8429
<b>MC Machinery Systems Inc/ Mitsubishi</b>	<b>C3040</b>
MultiCam Inc	C5516
OMAX Corp	C3940
Prestige Equipment Corporation	C7214
Rhino Cutting Systems	N6138
Semyx LLC	C6347
Techni Waterjet	C5128

## Weld Backings

<b>Aquasol Corp</b>	<b>N3613</b>
Bug-O Systems	N4813, N5013
Cerbaco Ltd	N2706
COB Industries Inc	N5919
Gullico International	N5002
PROFAX / Lenco	N3013
Southern Copper & Supply	N1926

## Weld Curtains

Auburn Manufacturing Inc	N4904
CoreTemp	N6236
Frommelt Safety Products	N4827
Gaozhou City Longsafety	
Labor Insurance	N6201
<b>Goff's Enterprises Inc</b>	<b>N2625</b>
Hex-Hut Shelter Systems Ltd	N6115
Pan Taiwan Enterprise	N1718
Pyro Shield Inc	N6313
Sellstrom Manufacturing Co	N3413
Steiner Industries	N3022
Winnox Industries Ltd	N6111

## Weld Quality Monitors/ Checkers/Sensors/ Measurement

American Society For Nondestructive Testing	N1615
AMET Inc	N4518
Arc Specialties Inc	N1610
Brandt Engineered Products Ltd	C1755
Clara Vision	N1706
Cloos Robotic Welding Inc	N3618
COB Industries Inc	N5919
Eddytech Systems Inc	C1752
Elcometer Inc	N3126
Fischer Technology Inc	C2711
GE Measurement & Control	N3222
HOT COILS	N5115
IMPACT Engineering Inc	N5108
Innerspec Technologies	N2217
Intercon Enterprises Inc	N3227
International Welding Technologies Inc	N1724
InterTest Inc	N5824
Janda Co Inc	N1924
Matuschek Welding Products Inc	N1708
Melttools LLC	N1618
Meta Vision Systems Inc	N5015
Metallurgical & Materials Technologies Inc	C1535
OES Inc	C248
RealWeld Systems Inc	N6217
Robotic Technologies of TN	N6025
Servo-Robot Inc	N5907
Starrett Byte-wise	
Measurement Systems	C3453
TJ Snow Co	N2613
Xiris Automation Inc	C2312

## Welding - Arc (GMAW) Machines & Components

<b>ABICOR Binzel Corp</b>	<b>N5508</b>
Airgas Inc	N5231
American Torch Tip Co Inc	N2022
<b>ArcOne</b>	<b>N3231</b>
Beijing Essen Welding & Cutting Fair	N6200
<b>Bernard</b>	<b>N5516</b>
Bettcher Manufacturing LLC	C1053
Changzhou Huatong	
Welding Industry Co Ltd	N6310
CK Worldwide	N3615
Climax Portable Machining & Welding Systems	N1422
Cloos Robotic Welding Inc	N3618
CM Industries Inc	N2810





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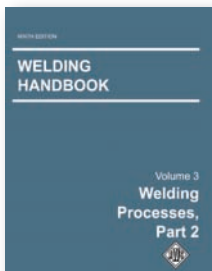
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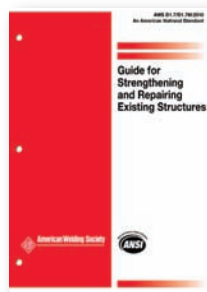
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*The mission of the American Welding Society is to advance the science, technology, and application of welding and allied joining and cutting processes worldwide, including brazing, soldering, and thermal spraying.*



## Welding - Arc (GMAW) Machines & Components

CMF Jammes Rolling and Welding	C5538
D/F Machine Specialties Inc.	N2224
Dinse Inc	N2717
ELCo Enterprises	N2831
Electron Beam Technologies Inc.	N3210
<b>ESAB Welding &amp; Cutting Products</b>	<b>N3922, N4122</b>
Fronius USA LLC	N3425
Genesis Systems Group	N3913
Guild International	C2234
Gullco International	N5002
Hollbrit Inc.	N6317
Hotfoil EHS Inc	N1319
IMPACT Engineering Inc	N5108
<b>Irco Automation Inc.</b>	<b>N2431</b>
JASIC Technology Co Ltd	N2019
Jetline Engineering	N5813
Kalas: Industrial	N2026
Liburdi Automation Inc	N3609
<b>Lincoln Electric Co.</b>	<b>N4102, N4113, N4515</b>
Linemaster Switch Corp	C2324
LONGEVITY Welding & Cutting Products	N5109
MAGMAWELD	N1628
Magnatech LLC	N6133
Matheson	N6122
Meltools LLC	N1618
Meta Vision Systems Inc	N5015
Miller Electric Mfg Co.	N5213, N5816
Miller Welding Automation	N5513
MK Products Inc	N2804
Ningbo Powerway Alloy Material Co Ltd	N5038
North (Nanjing) Instrument Technology Industries Group	N3226
Ogden Welding Systems	N3035
<b>OTC DAIHEN Inc</b>	<b>N3622</b>
Pador Marketing Group	N2927
Pandjiris Inc.	N4810
Preston-Eastin Inc	N5731
PROFAX / LENCO	N3013
Red Rock Automation/Romar/MEC	N4805
Robotic Technologies of TN	N6025
Secoa Technology	N1719
Servo-Robot Inc.	N5907
Team Industries Inc	N2929
Termmei Torch & Tip Company	N2526
Trafimet USA	N2725
<b>Tregaskiss</b>	<b>N5513</b>
Tri Tool Inc	N5913
Trystar	N1818

TWI North America LLC	N3217
Victor Technologies Intl Inc	N4522
Weld.com	N4809
Weldcoa	N3238
Welding Alloys USA	N4917
Weldlogic Inc	N5826
Western Enterprises	N2933
<b>Wolf Robotics LLC</b>	<b>N4910</b>
York Portable Machine Tools	N2925
ZJ Industries Inc	N2704

## Welding - Arc (GTAW) Machines & Components

<b>ABICOR Binzel Corp.</b>	<b>N5508</b>
American Torch Tip Co Inc.	N2022
AMET Inc.	N4518
Arc Machines Inc	N5522
Arc Products	N4507
Arc Specialties Inc	N1610
<b>ArcOne</b>	<b>N3231</b>
Changzhou Huatong Welding Industry Co Ltd	N6310
CK Worldwide	N3615
Climax Portable Machining & Welding Systems	N1422
CM Industries Inc	N2810
CMF Jammes Rolling and Welding	C5538
D/F Machine Specialties Inc.	N2224
Diamond Ground Products Inc.	N5726
Dinse Inc	N2717
EH Wachs Co.	N5713
Electron Beam Technologies Inc.	N3210
Elo Automated Stainless Steel Technologies Qingdao Co Ltd	C8342
<b>ESAB Welding &amp; Cutting Products</b>	<b>N3922, N4122</b>
Fronius USA LLC	N3425
Genesis Systems Group	N3913
Guild International	C2234
<b>Irco Automation Inc.</b>	<b>N2431</b>
JASIC Technology Co Ltd	N2019
Jetline Engineering	N5813
Kalas: Industrial	N2026
Liburdi Automation Inc	N3609
<b>Lincoln Electric Co.</b>	<b>N4102, N4113, N4515</b>
Linemaster Switch Corp	C2324
LONGEVITY Welding & Cutting Products	N5109
MAGMAWELD	N1628
Magnatech LLC	N6133
Matheson	N6122
Meltools LLC	N1618
Meta Vision Systems Inc	N5015

Miller Electric Mfg Co.	N5213, N5816
Miller Welding Automation	N5513
Multiquip Inc.	N6215
Ningbo Powerway Alloy Material Co Ltd	N5038
North (Nanjing) Instrument Technology Industries Group	N3226
<b>Orbitalum Orbital Cutting + Welding</b>	<b>N5713</b>
<b>OTC DAIHEN Inc</b>	<b>N3622</b>
Pandjiris Inc.	N4810
PROFAX / LENCO	N3013
Red Rock Automation/Romar/MEC	N4805
Servo-Robot Inc.	N5907
Sunstone Engineering	N5916
Swagelok Marketing Services Co.	N3431
Team Industries Inc.	N2929
TEC Torch Co Inc	N4822
Termmei Torch & Tip Company	N2526
Trafimet USA	N2725
Tri Tool Inc	N5913
Victor Technologies Intl Inc.	N4522
Weld.com	N4809
Weldcoa	N3238
<b>Weldcraft</b>	<b>N5516</b>
Weldlogic Inc	N5826
ZJ Industries Inc	N2704

## Welding - Arc (Plasma) Machines & Components

American Torch Tip Co Inc.	N2022
AMET Inc.	N4518
Arc Specialties Inc	N1610
Changzhou Huatong Welding Industry Co Ltd	N6310
Cloos Robotic Welding Inc	N3618
CMF Jammes Rolling and Welding	C5538
Diamond Ground Products Inc.	N5726
Electron Beam Technologies Inc.	N3210
<b>ESAB Welding &amp; Cutting Products</b>	<b>N3922, N4122</b>
Fronius USA LLC	N3425
Genesis Systems Group	N3913
Guild International	C2234
HAI Advanced Material Spec	N2319
Hollbrit Inc.	N6317
<b>Irco Automation Inc.</b>	<b>N2431</b>
JASIC Technology Co Ltd	N2019
Jetline Engineering	N5813
Kalas: Industrial	N2026
Kennametal Stellite	N2528
KUKA Robotics Corporation	N5702
Liburdi Automation Inc	N3609
Linemaster Switch Corp	C2324



LONGEVITY Welding & Cutting Products	N5109
Matheson	N6122
Melttools LLC	N1618
Meta Vision Systems Inc	N5015
Multiplaz	N4909
North (Nanjing) Instrument Technology Industries Group	N3226
<b>OTC DAIHEN Inc</b>	<b>N3622</b>
Pandjiris Inc.	N4810
PROFAX / LENCO	N3013
PT-Mat	N3337
PythonX-Burlington Automation	C8116
Robotmaster-In-House Solutions Inc.	N5933
Servo-Robot Inc.	N5907
Sunstone Engineering	N5916
<b>Thermacut Inc</b>	<b>N5508</b>
Trafimet USA	N2725
Victor Technologies Intl Inc	N4522
Weldcoa	N3238
Weldlogic Inc	N5826
<b>Wolf Robotics LLC</b>	<b>N4910</b>

### Welding - Arc (Stud) Machines & Components

Changzhou Huatong Welding Industry Co Ltd	N6310
Cloos Robotic Welding Inc	N3618
D/F Machine Specialties Inc.	N2224
Genesis Systems Group	N3913
International Welding Technologies Inc	N1724
Kalas: Industrial	N2026
KUKA Robotics Corporation	N5702
Linemaster Switch Corp	C2324
Nelson Stud Welding	N5922
Ningbo Powerway Alloy Material Co Ltd	N5038
Southern Stud Weld Inc	N2616
Stud Welding Associates Inc	N6327
<b>Wolf Robotics LLC</b>	<b>N4910</b>
ZJ Industries Inc	N2704

### Welding - Arc (Submerged) Machines & Components

American Torch Tip Co Inc.	N2022
Arc Products	N4507
Arc Specialties Inc	N1610
Changzhou Huatong Welding Industry Co Ltd	N6310
CMF Jammes Rolling and Welding	C5538
Corewire Ltd	N2910
D/F Machine Specialties Inc.	N2224
ELCo Enterprises	N2831

<b>ESAB Welding &amp; Cutting Products</b>	<b>N3922, N4122</b>
Gullco International	N5002
Harbert's Products Inc/ Allied Flux Reclaiming Ltd	N4824
IMPACT Engineering Inc	N5108
<b>Irco Automation Inc.</b>	<b>N2431</b>
JASIC Technology Co Ltd	N2019
Jetline Engineering	N5813
Kalas: Industrial	N2026
<b>Lincoln Electric Co.</b>	<b>N4102, N4113, N4515</b>

Linemaster Switch Corp	C2324
Melttools LLC	N1618
Meta Vision Systems Inc	N5015
Miller Electric Mfg Co.	N5213, N5816
Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd	N6007
North (Nanjing) Instrument Technology Industries Group	N3226
Ogden Welding Systems	N3035
Pador Marketing Group	N2927
Pandjiris Inc.	N4810
Praxair Inc	N5202
PROFAX / LENCO	N3013
Red Rock Automation/Romar/MEC	N4805
Servo-Robot Inc.	N5907
Team Industries Inc	N2929
TWI North America LLC	N3217
Weld Engineering Co	N4818
Weld.com	N4809
Welding Alloys USA	N4917
<b>Wolf Robotics LLC</b>	<b>N4910</b>

### Welding - Capacitor Discharge

Matuschek Welding Products Inc.	N1708
Southern Copper & Supply	N1926
Southern Stud Weld Inc	N2616
Stud Welding Associates Inc	N6327
Sunstone Engineering	N5916

### Welding - Electron Beam Machines & Components

Cambridge Vacuum Engineering	N3038
D/F Machine Specialties Inc.	N2224
Electron Beam Engineering Inc.	N3306

### Welding - Electronic

International Welding Technologies Inc	N1724
Sunstone Engineering	N5916

### Welding - Fixed Weld Automation Systems

Arc Machines Inc	N5522
Bug-O Systems	N4813, N5013

D/F Machine Specialties Inc.	N2224
Hollbrit Inc.	N6317
Janda Co Inc	N1924
Melttools LLC	N1618
Meta Vision Systems Inc	N5015
Nelson Stud Welding	N5922
Ogden Welding Systems	N3035
Southern Stud Weld Inc	N2616
Stud Welding Associates Inc	N6327

### Welding - Induction Machines & Components

EFD Induction Inc.	C2139
GH Induction Atmospheres LLC	C2323
Miller Electric Mfg Co.	N5213, N5816
Ogden Welding Systems	N3035
Radyne Corp	N5024
Richardson Electronics Ltd	C3721
<b>Thermatool Corp</b>	<b>C2110</b>
WAFIOS Machinery Corp	C1736

### Welding - Laser Beam Machines & Components

Alabama Laser	N6322
AltaMAR Inc	C1522
Dinse Inc	N2717
II-VI Infrared	C4924
IPG Photonics	N3931
Laser Mechanisms Inc	C3810
<b>LaserStar Technologies Corp</b>	<b>C5647</b>
LT Ultra Precision Optics	C8223
Melttools LLC	N1618
OR Lasertechnology Inc.	C7345
Richardson Electronics Ltd	C3721
Servo-Robot Inc.	N5907
Sunstone Engineering	N5916
Technogenia Inc	N4924
<b>TRUMPF Inc.</b>	<b>C3016</b>
Wayne Trail, a Lincoln Electric Company	N4513
Weil Engineering North America	C8209
Weld.com	N4809
Witt Gas Controls	N3124

### Welding - Micro Welding

Matuschek Welding Products Inc.	N1708
Melttools LLC	N1618
Ogden Welding Systems	N3035
Rocklin Manufacturing Co.	C1433
Sunstone Engineering	N5916
WEMCO	N1627





## Welding - Orbital Machines & Components

AMET Inc. ....	N4518
Arc Machines Inc. ....	N5522
Arc Products. ....	N4507
Bug-O Systems. ....	N4813, N5013
Diamond Ground Products Inc. ....	N5726
EH Wachs Co. ....	N5713
Liburdi Automation Inc. ....	N3609
Magnatech LLC. ....	N6133
Matheson. ....	N6122
Meltools LLC. ....	N1618
MK Products Inc. ....	N2804
<b>Orbitalum Orbital Cutting</b>	
+ <b>Welding</b> .....	<b>N5713</b>
Robotic Technologies of TN. ....	N6025
Swagelok Marketing Services Co. ....	N3431
Tri Tool Inc. ....	N5913
Weldlogic Inc. ....	N5826
York Portable Machine Tools. ....	N2925

## Welding - Oxyfuel Machines & Components

American Torch Tip Co Inc. ....	N2022
Bug-O Systems. ....	N4813, N5013
Flame Technologies Inc. ....	N3219
IBEDA /Superflash Compressed Gas Equipment Inc. ....	N3437
<b>Koike Aronson Inc.</b> .....	<b>N4131</b>
<b>Thermacut Inc.</b> .....	<b>N5508</b>
Uniweld Products Inc. ....	N5113
Weld.com. ....	N4809
Western Enterprises. ....	N2933
Witt Gas Controls. ....	N3124

## Welding - Plastic Welding Machines & Components

IPG Photonics. ....	N3931
Richardson Electronics Ltd. ....	C3721

## Welding - Portable MIG Welder

Bore Repair Systems Inc. ....	N6319
Bug-O Systems. ....	N4813, N5013
MAGMAWELD. ....	N1628
Miller Electric Mfg Co. ....	N5213, N5816
North (Nanjing) Instrument Technology Industries Group. ....	N3226
Robotic Technologies of TN. ....	N6025
Weld.com. ....	N4809

## Welding - Resistance (Flash & Upset) Machines & Comp.

Etal/INDUX Sa De Cv. ....	N2433
Ideal Welding Systems LP. ....	N5008
Janda Co Inc. ....	N1924
Nylok LLC. ....	N1624

RWMA. ....	N1626
Southern Copper & Supply. ....	N1926
TJ Snow Co. ....	N2613
WAFIOS Machinery Corp. ....	C1736
ZJ Industries Inc. ....	N2704

## Welding - Resistance (Seam) Machines & Components

Carestream. ....	N2426
<b>Centerline (Windsor) Ltd.</b> .....	<b>N1926</b>
<b>Dengensha America Corp.</b> .....	<b>N5722</b>
Etal/INDUX Sa De Cv. ....	N2433
Guild International. ....	C2234
Janda Co Inc. ....	N1924
Linemaster Switch Corp. ....	C2324
Matuschek Welding Products Inc. ....	N1708
Ningbo Powerway Alloy Material Co Ltd. ....	N5038
Southern Copper & Supply. ....	N1926
Sunstone Engineering. ....	N5916
<b>Thermatool Corp.</b> .....	<b>C2110</b>
TJ Snow Co. ....	N2613
Toolmen Corp. ....	C1253
Weld.com. ....	N4809
ZJ Industries Inc. ....	N2704

## Welding - Resistance (Spot) Machines & Components

Bay State Surface Technologies. ....	N2419
Bettcher Manufacturing LLC. ....	C1053
BMM Welding Material Co. ....	N6109
<b>Centerline (Windsor) Ltd.</b> .....	<b>N1926</b>
Clips & Clamps Industries. ....	C148
D/F Machine Specialties Inc. ....	N2224
<b>Dengensha America Corp.</b> .....	<b>N5722</b>
Etal/INDUX Sa De Cv. ....	N2433
Fronius USA LLC. ....	N3425
Ideal Welding Systems LP. ....	N5008
International Technologies Inc. ....	C8111
Janda Co Inc. ....	N1924
KME Germany GmbH & Co KG. ....	N1525
Koyo Giken Inc. ....	N3109
Linemaster Switch Corp. ....	C2324
Matuschek Welding Products Inc. ....	N1708
Ningbo Powerway Alloy Material Co Ltd. ....	N5038
Parker domnick hunter. ....	N1513
PROFAX / LENCO. ....	N3013
Rocklin Manufacturing Co. ....	C1433
Secoa Technology. ....	N1719
SMK Co Ltd. ....	N1524
Southern Copper & Supply. ....	N1926
Sunstone Engineering. ....	N5916
TJ Snow Co. ....	N2613
Toolmen Corp. ....	C1253
Vacco Industries. ....	C8431

Wayne Trail, a Lincoln Electric Company. ....	N4513
ZJ Industries Inc. ....	N2704

## Welding - Resistance Welding Controls

<b>Dengensha America Corp.</b> .....	<b>N5722</b>
Etal/INDUX Sa De Cv. ....	N2433
Janda Co Inc. ....	N1924
Matuschek Welding Products Inc. ....	N1708
Parker domnick hunter. ....	N1513
SMK Co Ltd. ....	N1524
Southern Copper & Supply. ....	N1926
TJ Snow Co. ....	N2613
Toolmen Corp. ....	C1253

## Welding - Solid State (Friction, Ultrasonic, Explosive) Mach. & Comp.

Attexor Clinch Systems SA. ....	C5622
Fabrisonic LLC. ....	N6218
Superior Products. ....	N2517

## Welding - Thermic/Exothermic Machines & Components

C H Symington & Co Inc. ....	N2213
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## Welding Blankets

Auburn Manufacturing Inc. ....	N4904
AVS Industries LLC. ....	N6018
Changzhou Wujin Golden Globe Welding & Cutting Machinery Co Ltd. ....	N5900
Frommelt Safety Products. ....	N4827
Kimberly-Clark Professional. ....	N3407
Pan Taiwan Enterprise. ....	N1718
PDS Bartech Inc. ....	N5917
Pyro Shield Inc. ....	N6313
Sellstrom Manufacturing Co. ....	N3413
Steiner Industries. ....	N3022
Winnox Industries Ltd. ....	N6111

## Welding Flux Recovery Systems

Bug-O Systems. ....	N4813, N5013
Corewire Ltd. ....	N2910
Harbert's Products Inc/Allied Flux Reclaiming Ltd. ....	N4824
Red Rock Automation/ Romar/MEC. ....	N4805
Weld Engineering Co. ....	N4818
Weld.com. ....	N4809

## Welding Guns/Torches

<b>ABICOR Binzel Corp.</b> .....	<b>N5508</b>
American Torch Tip Co Inc. ....	N2022
<b>ArcOne.</b> .....	<b>N3231</b>
<b>Bernard.</b> .....	<b>N5516</b>



- Bore Repair Systems Inc. . . . . N6319  
 Bug-O Systems . . . . . N4813, N5013  
 C H Symington & Co Inc . . . . . N2213  
 Changzhou Huarui Welding  
 & Cutting Equip Co Ltd . . . . . N5126  
 Changzhou Wujin Golden Globe Welding  
 & Cutting Machinery Co Ltd . . . . . N5900  
 CK Worldwide . . . . . N3615  
 Climax Portable Machining &  
 Welding Systems . . . . . N1422  
 CM Industries Inc . . . . . N2810  
 D/F Machine Specialties Inc. . . . . N2224  
 Dinse Inc . . . . . N2717  
 Direct Wire & Cable . . . . . N2519  
 Fronius USA LLC . . . . . N3425  
 HAI Advanced Material Spec . . . . . N2319  
 Jingyu Welding & Cutting Co Ltd . . . . . N1608  
 Kennametal Stellite . . . . . N2528  
 Liburdi Automation Inc . . . . . N3609  
 Lincoln Electric Co. . . . . N4102,  
 N4113, N4515  
 LONGEVITY Welding &  
 Cutting Products . . . . . N5109  
 Matheson . . . . . N6122  
 MK Products Inc . . . . . N2804  
 North (Nanjing) Instrument  
 Technology Industries Group. . . . . N3226  
 OKI Bering . . . . . N4531  
 Praxair Inc . . . . . N5202  
 PROFAX / Lenco . . . . . N3013  
 REXARC International . . . . . N1515  
 TEC Torch Co Inc . . . . . N4822  
 Technogenia Inc . . . . . N4924  
 Thermacut Inc . . . . . N5508  
 Trafimet USA . . . . . N2725  
 Tregaskiss . . . . . N5513  
 Uniweld Products Inc . . . . . N5113  
 Victor Technologies Intl Inc. . . . . N4522  
 Weldcraft . . . . . N5516  
 York Portable Machine Tools . . . . . N2925  
 ZJ Industries Inc . . . . . N2704
- Welding Helmets, Respirators & Accessories**  
 3M . . . . . N5502  
 Antec Electronics Co Ltd . . . . . N1609  
 ArcOne . . . . . N3231  
 Changzhou Huarui Welding  
 & Cutting Equip Co Ltd . . . . . N5126  
 Changzhou Shine Science &  
 Technology Co Ltd . . . . . N2527  
 Fastenal Company . . . . . N5736  
 Fibre-Metal By Honeywell . . . . . N2006  
 Fronius USA LLC . . . . . N3425  
 Goldland Industrial Co Ltd. . . . . N6300
- Interactive Safety Product Inc. . . . . N3206  
 Jingyu Welding & Cutting Co Ltd . . . . . N1608  
 Kimberly-Clark Professional . . . . . N3407  
 Lincoln Electric Co. . . . . N4102,  
 N4113, N4515  
 Matheson . . . . . N6122  
 Miller Electric Mfg Co. . . . . N5213, N5816  
 North (Nanjing) Instrument  
 Technology Industries Group. . . . . N3226  
 Pan Taiwan Enterprise . . . . . N1718  
 Praxair Inc . . . . . N5202  
 Sellstrom Manufacturing Co. . . . . N3413  
 SKM Industries Inc . . . . . N1717  
 TECMEN Electronics Co Ltd . . . . . N2427  
 Weld.com . . . . . N4809  
 Wenzhou Xidin Electronics  
 Technology Co Ltd . . . . . N6209  
 Yunnan Hengyu Optical Electronics  
 Co (Optech Co) . . . . . N4918
- Welding Inserts (Consumable)**  
 Changzhou Huarui Welding &  
 Cutting Equip Co Ltd . . . . . N5126  
 D/F Machine Specialties Inc. . . . . N2224  
 Dinse Inc . . . . . N2717  
 Direct Wire & Cable . . . . . N2519  
 Formdrill USA Inc . . . . . C2222  
 KME Germany GmbH & Co KG . . . . . N1525  
 Matheson . . . . . N6122  
 Ningbo Powerway Alloy  
 Material Co Ltd . . . . . N5038  
 Osborn . . . . . C2737, N3309  
 Praxair Inc . . . . . N5202  
 Saar Hartmetall USA LLC . . . . . N5925  
 Secoa Technology . . . . . N1719  
 Southern Copper & Supply . . . . . N1926  
 Trystar . . . . . N1818  
 Victor Technologies Intl Inc. . . . . N4522
- Welding Power Cables & Connectors/Lugs**  
 ABICOR Binzel Corp. . . . . N5508  
 Bernard . . . . . N5516  
 C H Symington & Co Inc . . . . . N2213  
 Changzhou Huarui Welding  
 & Cutting Equip Co Ltd . . . . . N5126  
 CK Worldwide . . . . . N3615  
 CM Industries Inc . . . . . N2810  
 D/F Machine Specialties Inc. . . . . N2224  
 Dinse Inc . . . . . N2717  
 Direct Wire & Cable . . . . . N2519  
 Fronius USA LLC . . . . . N3425  
 Jingyu Welding & Cutting Co Ltd . . . . . N1608  
 Kalas: Industrial . . . . . N2026  
 PDS Bartech Inc. . . . . N5917  
 PROFAX / Lenco . . . . . N3013
- Staubli Corp Multi Contact USA . . . . . N3636  
 Stud Welding Associates Inc . . . . . N6327  
 Trafimet USA . . . . . N2725  
 Trystar . . . . . N1818  
 Weldcraft . . . . . N5516
- Welding Power Supplies - Electron Beam**  
 BMM Welding Material Co . . . . . N6109  
 Electron Beam Engineering Inc. . . . . N3306  
 PTR-Precision Technologies Inc . . . . . N5226
- Welding Power Supplies - GMAW/GTAW**  
 Arc Machines Inc . . . . . N5522  
 Capital Weld Cleaners . . . . . N3007  
 Cloos Robotic Welding Inc . . . . . N3618  
 EH Wachs Co. . . . . N5713  
 ESAB Welding &  
 Cutting Products . . . . . N3922, N4122  
 Fronius USA LLC . . . . . N3425  
 Hotfoil EHS Inc . . . . . N1319  
 Liburdi Automation Inc . . . . . N3609  
 Lincoln Electric Co. . . . . N4102,  
 N4113, N4515  
 LONGEVITY Welding &  
 Cutting Products . . . . . N5109  
 MAGMAWELD . . . . . N1628  
 Magnatech LLC . . . . . N6133  
 Miller Electric Mfg Co. . . . . N5213, N5816  
 Miller Welding Automation . . . . . N5513  
 MK Products Inc . . . . . N2804  
 Orbitalum Orbital Cutting  
 + Welding . . . . . N5713  
 OTC DAIHEN Inc . . . . . N3622  
 Praxair Inc . . . . . N5202  
 Swagelok Marketing Services Co. . . . . N3431  
 Victor Technologies Intl Inc. . . . . N4522  
 Weld.com . . . . . N4809  
 Weldlogic Inc . . . . . N5826
- Welding Power Supplies - Induction**  
 EFD Induction Inc. . . . . C2139  
 GH Induction Atmospheres LLC . . . . . C2323  
 Miller Electric Mfg Co. . . . . N5213, N5816  
 Richardson Electronics Ltd . . . . . C3721  
 Thermatool Corp . . . . . C2110
- Welding Power Supplies - Laser**  
 IPG Photonics . . . . . N3931  
 Liburdi Automation Inc . . . . . N3609  
 OR Lasertechnology Inc. . . . . C7345  
 Richardson Electronics Ltd . . . . . C3721  
 Sunstone Engineering . . . . . N5916  
 Weld.com . . . . . N4809



### Welding Power Supplies - Orbital

Arc Machines Inc	N5522
EH Wachs Co	N5713
Liburdi Automation Inc	N3609
Magnatech LLC	N6133
MK Products Inc	N2804
<b>Orbitalum Orbital Cutting</b>	
+ Welding	N5713
Swagelok Marketing Services Co	N3431
Weldlogic Inc	N5826

### Welding Power Supplies - Plasma Arc

AMET Inc	N4518
Changzhou Huarui Welding & Cutting Equip Co Ltd	N5126
Diamond Ground Products Inc	N5726
<b>ESAB Welding &amp; Cutting Products</b>	N3922, N4122
JASIC Technology Co Ltd	N2019
Kalas: Industrial	N2026
Liburdi Automation Inc	N3609
LONGEVITY Welding & Cutting Products	N5109
Meltric Corp	N4826
Multiplaz	N4909
<b>OTC DAIHEN Inc</b>	N3622
PythonX-Burlington Automation	C8116
Victor Technologies Intl Inc	N4522
Weld.com	N4809
Weldlogic Inc	N5826

### Welding Power Supplies - Resistance

Etal/INDUX Sa De Cv	N2433
Fronius USA LLC	N3425
Janda Co Inc	N1924
Matuschek Welding Products Inc	N1708
Pyro Shield Inc	N6313
Southern Copper & Supply	N1926
Sunstone Engineering	N5916
<b>Thermatool Corp</b>	C2110
TJ Snow Co	N2613

### Welding Power Supplies - SMAW/SAW

<b>ESAB Welding &amp; Cutting Products</b>	N3922, N4122
Harbert's Products Inc/ Allied Flux Reclaiming Ltd	N4824
<b>Lincoln Electric Co</b>	N4102, N4113, N4515
LONGEVITY Welding & Cutting Products	N5109
MAGMAWELD	N1628

Miller Electric Mfg Co	N5213, N5816
Weld.com	N4809

### Welding Power Supplies - Solid State

EFD Induction Inc	C2139
International Welding Technologies Inc	N1724
IPG Photonics	N3931
Nelson Stud Welding	N5922
Southern Stud Weld Inc	N2616
Stud Welding Associates Inc	N6327
<b>Thermatool Corp</b>	C2110

### Welding Rod & Flux Drying Ovens

Golden Eagle Minmetals(Beijing) Wldg Materials Co	N5800
Gullico International	N5002
Harbert's Products Inc/ Allied Flux Reclaiming Ltd	N4824
Phoenix International Inc	N2328
PROFAX / Lenco	N3013
Weld Engineering Co	N4818

### Welding Stands/Platens/ Positioners/Manipulators

ALM Materials Handling	N5927
AMET Inc	N4518
Arc Specialties Inc	N1610
B&B Steel Products Inc	N3107
Bluco Corp	N2819
Genesis Systems Group	N3913
Genstar Technologies Inc	N2822
Gullico International	N5002
Industrial Magnetics Inc	C5728
<b>Irc Automation Inc</b>	N2431
Jetline Engineering	N5813
<b>Koike Aronson Inc</b>	N4131
KUKA Robotics Corporation	N5702
Linemaster Switch Corp	C2324
Master Magnetics	C4733
Matheson	N6122
Preston-Eastin Inc	N5731
<b>Ptr-Precision Technologies Inc</b>	N5226
Red Rock Automation/Romar/MEC	N4805
<b>Strong Hand Tools</b>	N3631
Team Industries Inc	N2929
Weld.com	N4809
Weldcoa	N3238
Weldsale LLC	N5124
<b>Wolf Robotics LLC</b>	N4910

### Welding Tips/Nozzles

<b>ABICOR Binzel Corp</b>	N5508
American Torch Tip Co Inc	N2022

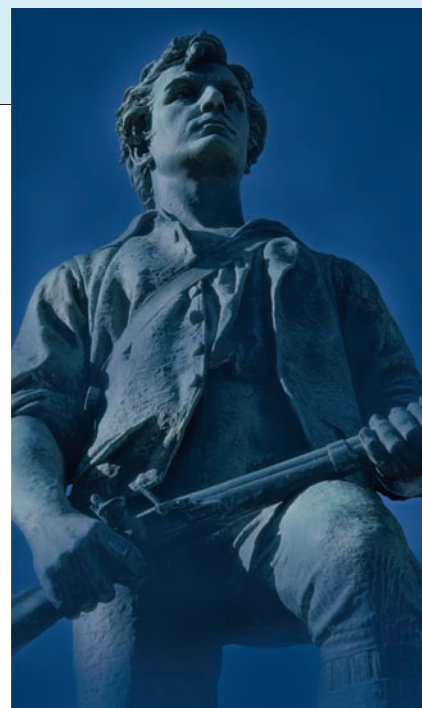
<b>Bernard</b>	N5516
BMM Welding Material Co	N6109
C H Symington & Co Inc	N2213
Changzhou Huarui Welding & Cutting Equip Co Ltd	N5126
Changzhou Wujin Golden Globe Welding & Cutting Machinery Co Ltd	N5900
CK Worldwide	N3615
Climax Portable Machining & Welding Systems	N1422
CM Industries Inc	N2810
D/F Machine Specialties Inc	N2224
Diamond Ground Products Inc	N5726
Dinse Inc	N2717
Fastenal Company	N5736
Flame Technologies Inc	N3219
Fronius USA LLC	N3425
Goss Inc	N2722
Hydro Carbide Inc	C8238
<b>Hypertherm Inc</b>	N3906
II-VI Infrared	C4924
Kennametal Stellite	N2528
LONGEVITY Welding & Cutting Products	N5109
MK Products Inc	N2804
Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd	N6007
North (Nanjing) Instrument Technology Industries Group	N3226
OKI Bering	N4531
Praxair Inc	N5202
PROFAX / Lenco	N3013
Secoa Technology	N1719
TEC Torch Co Inc	N4822
Termmei Torch & Tip Company	N2526
<b>Thermacut Inc</b>	N5508
Trafimet USA	N2725
<b>Tregaskiss</b>	N5513
Uniweld Products Inc	N5113
Victor Technologies Intl Inc	N4522
<b>Weldcraft</b>	N5516
ZJ Industries Inc	N2704

### Welding Wire

AMETEK Specialty Metal Products for Fab	C914
Ampco Metal Inc	C2326
ATI Stellram	N1733
Bay State Surface Technologies	N2419
Benxi Guangzheng Tungsten & Molybdenum Co Ltd	C456
BMM Welding Material Co	N6109
Bohler Welding Group USA Inc	N2013
Broco Inc	N4926



Changzhou Huarui Welding & Cutting Equip Co Ltd . . . . .	N5126	Welding Alloys USA . . . . .	N4917
Changzhou Huatong Welding Industry Co Ltd . . . . .	N6310	Winnox Industries Ltd. . . . .	N6111
Changzhou Wujin Golden Globe Welding & Cutting Machinery Co Ltd . . . . .	N5900	<b>Wire - Raw Materials</b>	
Changzhou Zhengyang Welding Material Co Ltd. . . . .	N2306	AMETEK Specialty Metal	
Corewire Ltd . . . . .	N2910	Products for Fab . . . . .	C914
COR-MET INC . . . . .	N5534	Bay State Surface Technologies. . . . .	N2419
<b>ESAB Welding &amp; Cutting Products. . . . .</b>	<b>N3922, N4122</b>	Benxi Guangzheng Tungsten & Molybdenum Co Ltd . . . . .	C456
Fastenal Company. . . . .	N5736	Changzhou Zhengyang Welding Material Co Ltd. . . . .	N2306
Golden Eagle Minmetals(Beijing)		Haynes International. . . . .	N1617
Wldg Materials Co. . . . .	N5800	JLC Electromet Pvt LLC . . . . .	N5138
Harbert's Products Inc/ Allied Flux Reclaiming Ltd . . . . .	N4824	Nanjing Youtian Metal Technology Co Ltd. . . . .	N1616
Haynes International. . . . .	N1617	<b>Nevatia Steel &amp; Alloys Pvt LTD. . . . .</b>	<b>N2824</b>
<b>Hobart Brothers. . . . .</b>	<b>N5516</b>	Termmei Torch & Tip Company . . . . .	N2526
Intercon Enterprises Inc . . . . .	N3227	<b>Wire EDM</b>	
JLC Electromet Pvt LLC . . . . .	N5138	A-G Tool & Die . . . . .	C920
Kennametal Stellite . . . . .	N2528	<b>Chelar Tool &amp; Die Inc . . . . .</b>	<b>C349</b>
Kobelco Welding of America Inc . . . . .	N3938	Elizabeth Carbide Components. . . . .	C150
<b>LaserStar Technologies Corp . . . . .</b>	<b>C5647</b>	F & G Tool and Die Co. . . . .	C1413
LONGEVITY Welding & Cutting Products . . . . .	N5109	<b>Marion Die &amp; Fixture Inc. . . . .</b>	<b>C5520</b>
MAGMAWELD . . . . .	N1628	Moeller Precision Tool . . . . .	C1020
Matheson . . . . .	N6122	Passline Performance . . . . .	C2325
Messer MG Welding Products . . . . .	N2408	Precision Punch Corp. . . . .	C1432
MK Products Inc . . . . .	N2804	TOP YES Precision Metal Products Co LTD . . . . .	C1028
MMC Superalloy Corp. . . . .	N1826	Uelner Precision Tools & Dies. . . . .	C937
Nanjing Youtian Metal Technology Co Ltd. . . . .	N1616	Ultratech Tool & Design Inc . . . . .	C1332
<b>Nevatia Steel &amp; Alloys Pvt LTD. . . . .</b>	<b>N2824</b>	Victory Tool . . . . .	C246
Ningbo Powerway Alloy Material Co Ltd. . . . .	N5038	<b>Wire Forming Machines</b>	
North (Nanjing) Instrument Technology Industries Group. . . . .	N3226	AIM Inc . . . . .	C1832
OKI Bering . . . . .	N4531	Bliss Clearing Niagara . . . . .	C933
OR Lasertechnology Inc. . . . .	C7345	Clips & Clamps Industries. . . . .	C148
Polymet Corp. . . . .	N2313	Joysun Abrasives Co Ltd. . . . .	N3208
Praxair Inc . . . . .	N5202	Lillbacka Powerco USA Inc. . . . .	C2132
Rocklin Manufacturing Co. . . . .	C1433	Midwest Bender Services Corp . . . . .	C1728
Sandvik Materials Technology . . . . .	N3019	Starrett Bytewise Measurement Systems. . . . .	C3453
Special Metals Welding Products Co . . . . .	N3118	Tianjin Xuzhi Machinery & Electrical Equipment Co Ltd . . . . .	N1431
Technogenia Inc . . . . .	N4924	TJ Snow Co. . . . .	N2613
ThyssenKrupp VDM USA, LLC. . . . .	N5931	Toolmen Corp . . . . .	C1253
Tianjin Jinlong Welding Material Co Ltd. . . . .	N6100	Ulbrich Stainless Steels & Special Metals Inc . . . . .	C1015
Tianjin Xuzhi Machinery & Electrical Equipment Co Ltd . . . . .	N1431	WAFIOS Machinery Corp . . . . .	C1736
Uniweld Products Inc . . . . .	N5113	<b>Wauseon Machine &amp; Manufacturing Inc. . . . .</b>	<b>C1539</b>
Weld.com . . . . .	N4809		



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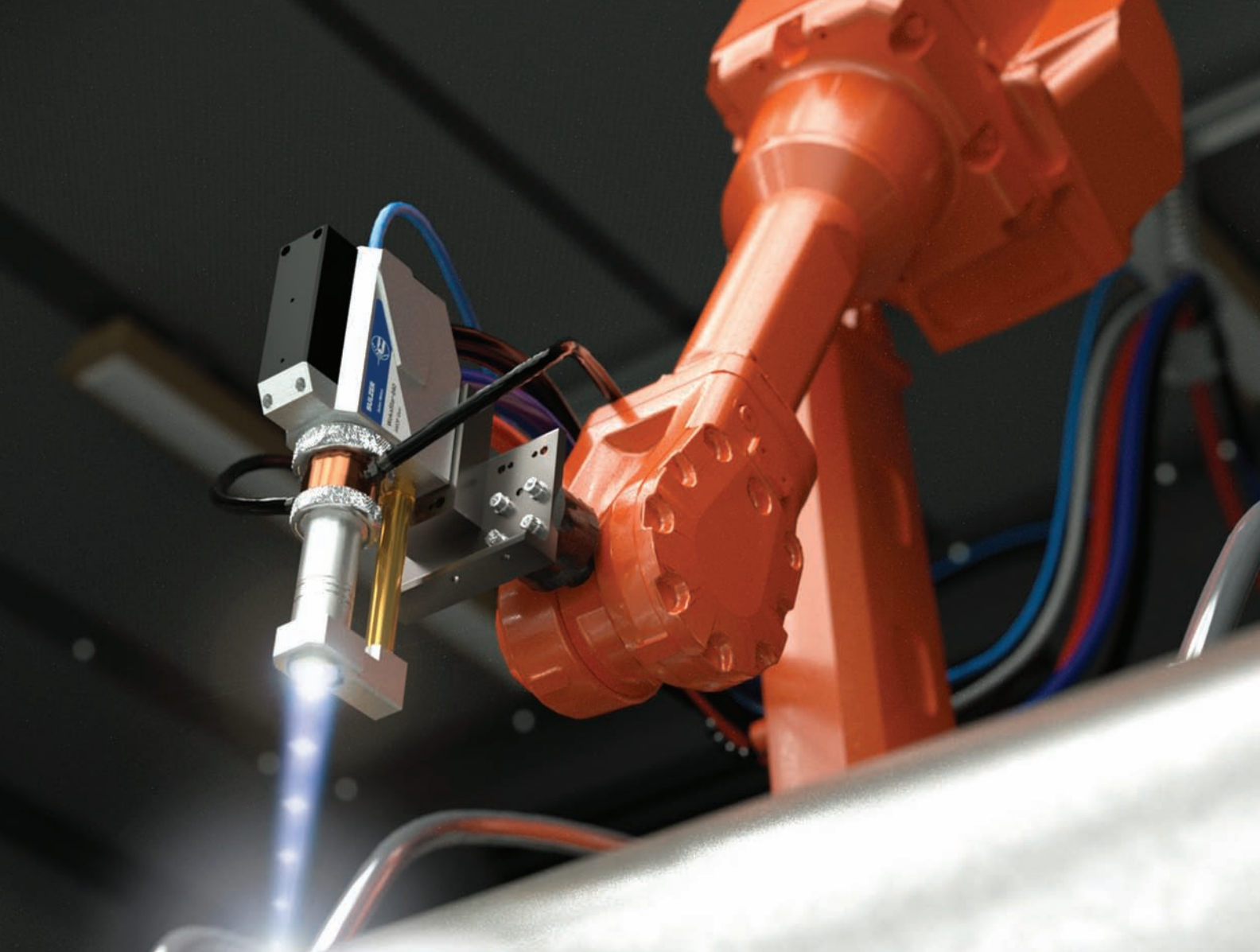


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# INTERNATIONAL EXHIBITORS



## Australia

### **Bradbury Group Australia** . . Booth C5520

Bending/Forming, Coil Processing, Material Handling/Marking, Saws & Cut-off Machines, Tooling

### **CNC Automotion** . . . . . Booth C7450

### **Lazer Safe Pty Ltd** . . . . . Booth C3824

Press Brakes, Safety & Environmental

### **Rimco Equipment** . . . . . Booth N1631

Business Services, Material Handling/Marking, Plate & Structural Fabricating, Robotics, Safety & Environmental, Tube & Pipe Fabricating or Welding, Welding Machines/Equipment

## Austria

### **Linsinger**

### **Maschinenbau GmbH** . . . . . Booth C1558

## Canada

### **AGT** . . . . . Booth N2333

Assembly, Robotics

### **BESSEY Tools**

### **North America** . . . . . Booth N4931

Cutting, Fastening & Joining, Lubrication, Material Handling/Marking, Other Machinery/Equipment/Parts/Products

### **Blow Press Co.** . . . . . Booth C857

### **Brandt Engineered**

### **Products Ltd** . . . . . Booth C1755

Business Services, Inspection & Testing, Job Shop/Contract Manufacturing, Tube & Pipe Fabricating or Welding, Tube & Pipe Producing

### **Brown Boggs** . . . . . Booth C1409

Stamping

### **BTM Bandsaws** . . . . . Booth C8416

Material Handling/Marking, Saws & Cut-off Machines

### **Centerline (Windsor) Ltd** . . Booth N1926

Assembly, Finishing, Punching, Resistance Welding, Robotics, Thermal Spraying, Tool & Die, Welding Consumables

### **CFCM Canadian Finishing & Coatings Manufacturing** . . Booth C2747

Business Services

### **CorActive High Tech** . . . . . Booth C8446

### **Creaform 3d** . . . . . Booth C552

Business Services, Inspection & Testing

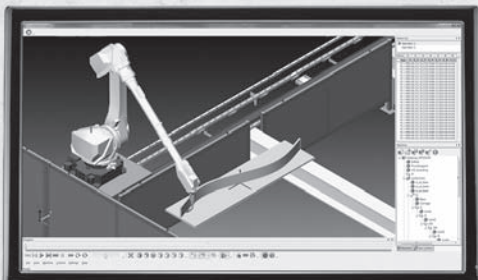
### **Desch Canada Ltd** . . . . . Booth C1235

Other Machinery/Equipment/Parts/Products

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## Canada

### **Diversi-Tech Inc. . . . . Booth N1922**

Maintenance & Repair, Other Machinery/  
Equipment/Parts/Products, Safety &  
Environmental

### **Duroair Technologies Inc. . . Booth C1362**

Finishing, Safety & Environmental

### **Forming Technologies Inc. . Booth C1421**

Job Shop/Contract Manufacturing, Software  
& Machine Controls

### **Friggi N.A. Inc. . . . . Booth C7642**

Lasers, Material Handling/Marking, Other  
Machinery/Equipment/Parts/Products, Plate  
& Structural Fabricating, Saws & Cut-off  
Machines, Tube & Pipe Fabricating or  
Welding, Waterjet

### **GINGRAS/**

### **Machinerie G A S . . . . . Booth C3822**

Press Brakes

### **Guspro Inc. . . . . Booth C1952**

Finishing, Other Machinery/Equipment/Parts/  
Products, Safety & Environmental

### **Hex-Hut Shelter**

### **Systems Ltd. . . . . Booth N6115**

Maintenance & Repair, Material Handling/  
Marking, Other Machinery/Equipment/Parts/  
Products, Safety & Environmental

### **Hollbrit Inc . . . . . Booth N6317**

Arc Welding, Finishing, Robotics, Welding  
Machines/Equipment

### **HOT COILS. . . . . Booth N5115**

Inspection & Testing, Job Shop/Contract  
Manufacturing, Other Machinery/Equipment/  
Parts/Products

### **Hyd-Mech Group Ltd. . . . . Booth C6523**

Material Handling & Packaging, Material  
Handling/Marking, Saws & Cut-off Machines

### **I.S.T. International Surface**

### **Technologies . . . . . Booth C1958**

Finishing, Safety & Environmental

### **IrcO Automation Inc. . . . . Booth N2431**

Arc Welding, Material Handling/Marking,  
Robotics, Tube & Pipe Fabricating or Welding

### **ISB Group . . . . . Booth C4728**

Safety & Environmental, Software &  
Machine Controls, Tool & Die

### **J Tech. . . . . Booth C755**

Tool & Die

### **JIT Automation Inc . . . . . Booth C756**

Business Services, Material Handling/  
Marking, Tool & Die

### **Liburdi Automation Inc. . . . Booth N3609**

Arc Welding, Robotics, Tube & Pipe  
Producing, Welding Machines/Equipment

### **Linear Transfer**

### **Automation Inc. . . . . Booth C1223**

Stamping

### **Macrodyne**

### **Technologies Inc . . . . . Booth C252**

Hydroforming, Material Handling &  
Packaging, Material Handling/Marking,  
Punching, Stamping, Tube & Pipe Producing

### **Masteel America Corp . . . . Booth C3749**

Bending/Forming, Machining/EDM, Other  
Machinery/Equipment/Parts/Products, Plate  
& Structural Fabricating, Press Brakes,  
Tooling

### **Meta Vision Systems Inc . . Booth N5015**

Arc Welding, Inspection & Testing, Robotics,  
Tube & Pipe Fabricating or Welding, Welding  
Machines/Equipment

### **Metform International Ltd . . Booth C5534**

Bending/Forming, Business Services, Coil  
Processing, Finishing, Material Handling/  
Marking, Metalforming & Fabricating  
Equipment, Saws & Cut-off Machines,  
Tooling

### **New Centurion**

### **Enterprises Ltd . . . . . Booth C8347**

Bending/Forming, Cutting, Saws & Cut-off  
Machines

### **New Form Tools Ltd. . . . . Booth C2235**

### **Norlok Technology Inc . . . . Booth C4840**

Fastening & Joining, Other Machinery/  
Equipment/Parts/Products

### **OES Inc . . . . . Booth C248**

Business Services, Inspection & Testing,  
Software & Machine Controls

### **Pador Marketing Group . . . Booth N2927**

Arc Welding, Bending/Forming, Material  
Handling/Marking, Robotics, Saws & Cut-off  
Machines

### **Prodevco Industries Inc . . . Booth C8129**

Plate & Structural Fabricating, Robotics

### **Protech Powder Coatings . . Booth C2162**

### **PythonX-Burlington**

### **Automation . . . . . Booth C8116**

Arc Welding, Cutting, Job Shop/Contract  
Manufacturing, Machining/EDM, Material  
Handling/Marking, Other Machinery/  
Equipment/Parts/Products, Plate & Structural  
Fabricating, Robotics, Tooling

### **Rhino Cutting Systems . . . . Booth N6138**

Bending/Forming, Cutting, Plate & Structural  
Fabricating, Tube & Pipe Fabricating or  
Welding, Waterjet

### **Robotiq. . . . . Booth N6119**

Robotics

### **Robotmaster-In-House**

### **Solutions Inc. . . . . Booth N5933**

Arc Welding, Business Services, Job Shop/  
Contract Manufacturing, Robotics, Software  
& Machine Controls

### **Samco Machinery Ltd. . . . . Booth C1217**

Bending/Forming, Coil Processing, Metal  
Suppliers, Stamping, Tooling

### **Samuel Strapping Systems . Booth C1524**

Coil Processing, Material Handling/Marking

### **Servo-Robot Inc . . . . . Booth N5907**

Arc Welding, Inspection & Testing, Robotics,  
Software & Machine Controls, Welding  
Machines/Equipment

### **Shop Edge Software Inc. . . . Booth C1434**

Software & Machine Controls

### **Shred-Tech**

### **Compass Systems . . . . . Booth C7550**

Business Services, Material Handling/  
Marking, Other Machinery/Equipment/Parts/  
Products

### **Tregaskiss. . . . . Booth N5513**

Arc Welding, Robotics, Welding Machines/  
Equipment

### **Trendex Information**

### **Systems Inc. . . . . Booth N3218**

Software & Machine Controls

### **Tubex Technology**

### **Machinery Inc . . . . . Booth C2334**

Finishing, Saws & Cut-off Machines, Tube &  
Pipe Fabricating or Welding

### **Uni-Spray Systems Inc . . . . Booth C2412**

Finishing

### **Virtek Vision International. . Booth C4928**





**VULKAN Blast Shot Technology** ..... Booth C2362  
Finishing

**Westingcut Industrial Technology Anhui Inc** ..... Booth N1424  
Cutting, Lasers, Other Machinery/Equipment/Parts/Products, Plate & Structural Fabricating, Robotics, Tube & Pipe Fabricating or Welding

**Xiris Automation Inc** ..... Booth C2312  
Inspection & Testing

**York Portable Machine Tools** ..... Booth N2925  
Arc Welding, Cutting, Job Shop/Contract Manufacturing, Maintenance & Repair, Other Machinery/Equipment/Parts/Products, Robotics, Welding Machines/Equipment

## China

**Antec Electronics Co Ltd** .. Booth N1609  
Welding Machines/Equipment

**Beijing Essen Welding & Cutting Fair** ..... Booth N6200  
Arc Welding, Welding Consumables

**Beilun Futuo Mechanical Tools Co Ltd** ..... Booth N6026  
Cutting, Finishing, Saws & Cut-off Machines, Tooling

**Benxi Guangzheng Tungsten & Molybdenum Co Ltd** ..... Booth C456  
Fastening & Joining, Metal Suppliers, Other Machinery/Equipment/Parts/Products, Welding Consumables, Welding Machines/Equipment

**BMM Welding Material Co** . Booth N6109  
Brazing & Soldering, Metal Suppliers, Resistance Welding, Thermal Spraying, Welding Consumables, Welding Machines/Equipment

**Changzhou Golden Globe Welding & Cutting Equipment Co Ltd** .. Booth N3236

**Changzhou Huarui Welding & Cutting Equip Co Ltd** ..... Booth N5126  
Arc Welding, Welding Consumables, Welding Machines/Equipment

**Changzhou Huatong Welding Industry Co Ltd** ..... Booth N6310  
Arc Welding, Cutting, Other Machinery/Equipment/Parts/Products, Press Brakes, Welding Consumables

**Changzhou Shine Science & Technology Co Ltd** ..... Booth N2527  
Welding Machines/Equipment

**Changzhou Wujin Golden Globe Welding & Cutting Machinery Co Ltd** ..... Booth N5900  
Job Shop/Contract Manufacturing, Material Handling/Marking, Robotics, Welding Consumables, Welding Machines/Equipment

**Changzhou Zhengyang Welding Material Co Ltd** ..... Booth N2306  
Welding Consumables

**China National Aero Technology IE Hangzhou Co** ..... Booth C160  
Job Shop/Contract Manufacturing, Stamping

**Dalian Xingli Industrial Products Co Inc** ..... Booth C354

**Elo Automated Stainless Steel Technologies Qingdao Co Ltd** ..... Booth C8342  
Arc Welding, Bending/Forming, Cutting, Lasers, Machining/EDM, Other Machinery/Equipment/Parts/Products, Plate & Structural Fabricating, Punching, Robotics, Software & Machine Controls, Stamping, Tube & Pipe Fabricating or Welding

**Etco Industrial Co Ltd** ..... Booth C953

**Fuxin Tianyuan Steel Balls Mfg Co Ltd** ..... Booth C355  
Assembly, Fastening & Joining, Maintenance & Repair, Other Machinery/Equipment/Parts/Products

**Gaozhou City Longsafety Labor Insurance** ..... Booth N6201  
Safety & Environmental

**Golden Eagle Minmetals(Beijing) Wldg Materials Co** ..... Booth N5800  
Metal Suppliers, Welding Consumables, Welding Machines/Equipment

**Goldland Industrial Co Ltd** . Booth N6300  
Welding Machines/Equipment

**Hangzhou Xiangsheng Abrasive Machine Manufacturing Co., Ltd** ..... Booth C7142  
Finishing

**Hebei Shinning Metals Co Ltd** ..... Booth C460

**JASIC Technology Co Ltd** . Booth N2019  
Arc Welding

**Jing County Anhui Haori Import & Export Trading Co Ltd** ..... Booth C7410

**Jingyu Welding & Cutting Co Ltd** ..... Booth N1608  
Cutting, Material Handling/Marking, Welding Consumables, Welding Machines/Equipment

**Jinhua Bieduo Import & Export Co Ltd** ..... Booth N6309

**Joysun Abrasives Co Ltd** .. Booth N3208  
Assembly, Bending/Forming, Cutting, Finishing, Other Machinery/Equipment/Parts/Products, Saws & Cut-off Machines, Tool & Die, Tooling

**Ketec Precision Tooling Co LTD** ..... Booth C3834  
Inspection & Testing, Job Shop/Contract Manufacturing, Press Brakes, Punching, Tooling

**Kong NGAI Precision Metal Mould Shenzhen Co Ltd** .... Booth C856  
Lasers, Machining/EDM, Stamping, Tool & Die, Tooling

**Liaoning Longyuan Industry Co Ltd** ..... Booth C455  
Finishing, Metal Suppliers, Other Machinery/Equipment/Parts/Products, Welding Consumables

**Lucky Harvest Co Ltd** ..... Booth C958  
Job Shop/Contract Manufacturing, Tool & Die, Tooling

**Nanjing Youtian Metal Technology Co Ltd** ..... Booth N1616  
Metal Suppliers, Welding Consumables

**New Fire Co Ltd** ..... Booth N3017  
Safety & Environmental, Welding Consumables

**Newland (Tianjin) Welding Wire and Metal Products Co Ltd** .... Booth N6008

**Ningbo Hi-Tech Moldie Machinery Co Ltd** ..... Booth C356  
Job Shop/Contract Manufacturing, Other Machinery/Equipment/Parts/Products, Stamping, Tool & Die



## China

### **Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd** ..... Booth N6007

Arc Welding, Assembly, Cutting, Gases & Gas Equipment, Lasers, Robotics, Saws & Cut-off Machines, Tube & Pipe Fabricating or Welding, Welding Machines/Equipment

### **Ningbo Jinhui Precision Casting Co Ltd** ..... Booth C254

Metal Suppliers

### **Ningbo Powerway Alloy Material Co Ltd** ..... Booth N5038

Arc Welding, Brazing & Soldering, Metal Suppliers, Resistance Welding, Welding Consumables

### **North (Nanjing) Instrument Technology Industries Group** ..... Booth N3226

Arc Welding, Cutting, Gases & Gas Equipment, Plate & Structural Fabricating, Safety & Environmental, Welding Consumables, Welding Machines/Equipment

### **Rigo Tools Co Ltd** ..... Booth N6117

### **Shanghai Top Bridge Industry Co Ltd** ..... Booth N6211

### **Shantou Inst of Ultrasonic Instruments Co Ltd (SIUI)** .. Booth N2715

Inspection & Testing

### **Shenyang Machinery Imp and Export Corp LTD** ..... Booth C158

### **Shenzhen Haiyi Tool & Die Ltd** ..... Booth C358

### **Shenzhen Huayuanda Technology Co Ltd** ..... Booth C949

Job Shop/Contract Manufacturing

### **Shenzhen SYH Tooling Co Ltd** ..... Booth C821

Tooling

### **Shijiazhuang Fitex Trading Co Ltd** ..... Booth C159

Inspection & Testing, Job Shop/Contract Manufacturing, Machining/EDM, Other Machinery/Equipment/Parts/Products

### **SteelTailor Ltd** ..... Booth N4919

Cutting, Lasers, Other Machinery/Equipment/Parts/Products, Plate & Structural Fabricating, Robotics

### **Suntex Composite Industrial Co Ltd** ..... Booth N6311

### **TECMEN Electronics Co Ltd** ..... Booth N2427

Welding Machines/Equipment

### **Termmei Torch & Tip Company** ..... Booth N2526

Arc Welding, Cutting, Plate & Structural Fabricating, Safety & Environmental, Welding Consumables, Welding Machines/Equipment

### **Tianjin Jinlong Welding Material Co Ltd** ..... Booth N6100

Brazing & Soldering, Welding Consumables

### **Tianjin Metallurgy Group Flourish Steel Industrial Corp Ltd** .. Booth N1432

### **Tianjin Minmetals NC Co Ltd** ..... Booth N6000

### **Tianjin Xinsen Welding Materials Co Ltd** ..... Booth N6001

### **Tianjin Xuzhi Machinery & Electrical Equipment Co Ltd** ..... Booth N1431

Bending/Forming, Welding Consumables

### **TOP YES Precision Metal Products Co LTD** ..... Booth C1028

Tool & Die

### **Wenzhou Xidin Electronics Technology Co Ltd** ..... Booth N6209

Welding Machines/Equipment

### **Wuhan Welhel Photoelectric Co Ltd** ..... Booth N2307

### **Wuxi Dixin Steel Pipe Co Ltd** ..... Booth C1554

Metal Suppliers, Tube & Pipe Producing

### **Wuxi Ronniewell Machinery** ..... Booth N1707

### **Wuxi Volcano Welding & Cutting** ..... Booth N1606

### **Xinxiang Tianfeng Machinery Manufacture Co Ltd** ..... Booth C7148

Bending/Forming

### **Yunnan Hengyu Optical Electronics Co (Optech Co)** ..... Booth N4918

Welding Machines/Equipment

### **Zhejiang Changzheng Project Carbon Electrodes Co Ltd** ..... Booth N6210

Cutting, Finishing, Tooling, Welding Machines/Equipment

### **Zhejiang Yuguang Aluminium Material Co Ltd** ..... Booth N5901

### **Zhengzhou Anxin Abrasives** ..... Booth N2817

Finishing

## France

### **Clara Vision** ..... Booth N1706

Inspection & Testing, Software & Machine Controls

### **CMF Jammes Rolling and Welding** ..... Booth C5538

Arc Welding, Bending/Forming

### **Logopress Corp** ..... Booth C1423

Business Services, Software & Machine Controls

## Germany

### **Burghardt + Schmidt GmbH** ..... Booth C4934

Coil Processing, Cutting, Maintenance & Repair, Material Handling/Marking

### **Dr Gold & Co** ..... Booth N5026

Material Handling/Marking, Safety & Environmental

### **Forster Welding Systems GmbH** ..... Booth N3325

### **Krautzberger LLC** ..... Booth C1964

Finishing, Robotics

### **KULLEN - KOTI GmbH** ..... Booth N3137

Bending/Forming, Finishing, Other Machinery/Equipment/Parts/Products, Tooling

### **Leifeld Metal Spinning AG** . Booth C8112

Bending/Forming, Other Machinery/Equipment/Parts/Products

### **MTM Meissner Technik Mullenbach GmbH** ..... Booth C2155

Finishing

### **Peter Prinzing GmbH** ..... Booth C5638

Bending/Forming, Metalforming & Fabricating Equipment, Tube & Pipe Fabricating or Welding

### **Spacecontrol GmbH** ..... Booth C8440

### **Worlee-Chemie GmbH** .... Booth C1964

Other Machinery/Equipment/Parts/Products



## Hong Kong

**Winox Industries Ltd. . . . Booth N6111**  
 Brazing & Soldering, Cutting, Finishing,  
 Metal Suppliers, Safety & Environmental,  
 Saws & Cut-off Machines, Welding  
 Consumables, Welding Machines/Equipment

## India

**Metallizing Equipment  
 Co PVT LTD . . . . . Booth N2417**  
 Finishing, Job Shop/Contract Manufacturing,  
 Thermal Spraying

**Nevatia Steel & Alloys  
 Pvt LTD. . . . . Booth N2824**  
 Metal Suppliers, Welding Consumables

**Sahajanand Laser  
 Technology LTD . . . . . Booth C8230**  
 Lasers

**Saru Silver Alloy  
 Private Limited. . . . . Booth N2410**  
 Brazing & Soldering

## Italy

**CR Cuscinetti A Rulli Srl . . . Booth C5636**  
 Machining/EDM, Maintenance & Repair,  
 Other Machinery/Equipment/Parts/Products

**Crippa SPA . . . . . Booth C1828**

**Gasparini SPA . . . . . Booth C5536**  
 Bending/Forming, Tube & Pipe Producing

**Julia Utensili Spa . . . . . Booth C1356**

**MG S.r.L. . . . . Booth C7716**  
 Bending/Forming

**MTM Tube Mills. . . . . Booth C2128**

**TTEngineering . . . . . Booth C3050**

## Japan

**Koyo Giken Inc. . . . . Booth N3109**  
 Resistance Welding

**MMC Superalloy Corp . . . Booth N1826**  
 Metal Suppliers, Welding Consumables

**Sanpo Publications Inc . . . Booth N1507**  
 Business Services

**SMK Co Ltd . . . . . Booth N1524**  
 Resistance Welding, Robotics, Welding  
 Consumables

## Korea (South)

**AW&S Co Ltd . . . . . Booth N2207**

**Dongsan Bearing Co . . . . . Booth C833**  
 Assembly, Other Machinery/Equipment/  
 Parts/Products, Tool & Die

## Mexico

**Etal/INDUX Sa De Cv. . . . . Booth N2433**  
 Brazing & Soldering, Other Machinery/  
 Equipment/Parts/Products, Plate & Structural  
 Fabricating, Resistance Welding, Robotics

**Mexico Industry  
 Newspaper . . . . . Booth N1318**

## Netherlands

**BEWO Cutting Systems. . . . Booth C2128**

## Slovenia

**Gostol TST d.o.o. . . . . Booth C7645**  
 Finishing

## Spain

**Athader . . . . . Booth C5520**  
 Coil Processing, Cutting, Finishing, Material  
 Handling/Marking, Saws & Cut-off Machines

## Switzerland

**Attexor Clinch Systems SA . Booth C5622**  
 Assembly, Fastening & Joining, Finishing,  
 Other Machinery/Equipment/Parts/Products,  
 Punching, Robotics, Stamping, Tooling,  
 Welding Machines/Equipment

**Haeusler AG . . . . . Booth C5540**  
 Assembly, Bending/Forming, Other  
 Machinery/Equipment/Parts/Products, Plate  
 & Structural Fabricating, Tube & Pipe  
 Fabricating or Welding

**OPTREL AG . . . . . Booth N1410**

**Profilbiegetechnik Ag. . . . Booth C2820**

**Stierli Bieger AG . . . . . Booth C2820**

## Taiwan

**Pan Taiwan Enterprise . . . Booth N1718**  
 Safety & Environmental, Welding Machines/  
 Equipment

**YLM - Ying Lin Machine  
 Industrial Co . . . . . Booth C2317**  
 Saws & Cut-off Machines, Tube & Pipe  
 Fabricating or Welding

## Turkey

**Ajan Elektronik  
 Servis San Ve . . . . . Booth N5237**  
 Plate & Structural Fabricating

**Akyapak. . . . . Booth C5545**  
 Plate & Structural Fabricating

**Baykal Makina  
 Sanayi ve Ticaret  
 AS . . . . . Booth C5940, C5947**  
 Bending/Forming, Cutting, Lasers, Other  
 Machinery/Equipment/Parts/Products, Plate  
 & Structural Fabricating, Press Brakes,  
 Punching, Tooling, Tube & Pipe Fabricating or  
 Welding

**MAGMAWELD . . . . . Booth N1628**  
 Arc Welding, Welding Consumables,  
 Welding Machines/Equipment

## United Kingdom

**Corewire Ltd . . . . . Booth N2910**  
 Arc Welding, Maintenance & Repair, Tool &  
 Die, Welding Consumables, Welding  
 Machines/Equipment

**gasgrab.com . . . . . Booth N3225**  
 Assembly & Joining, Cutting, Gases & Gas  
 Equipment, Material Handling/Marking,  
 Safety & Environmental

**International Sheet  
 Metal Review. . . . . Booth C8510**

**Tube & Pipe Technology. . . Booth C1555**

## Vietnam

**North America  
 Consulting . . . . . Booth N6333**  
 Business Services





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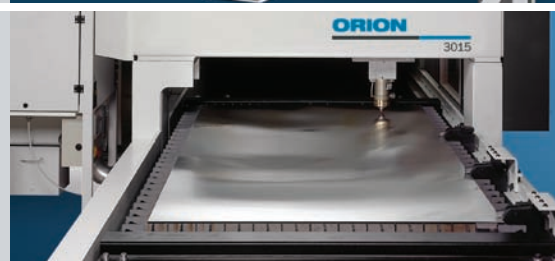
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