

# FABTECH

NORTH AMERICA'S LARGEST METAL FORMING,  
FABRICATING, WELDING AND FINISHING EVENT



## THE OFFICIAL **ON-SITE GUIDE & DIRECTORY**

**SEPTEMBER 13-16**  
McCormick Place / Chicago

**2021**

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

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September 13-16, 2021 / Booths A2904, B18005, B16004

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Fabricators today are facing more challenges than ever. Lower order quantities, shorter lead times, higher material costs and a shortage of skilled labor combine to make your challenges seem overwhelming. TRUMPF understands those challenges and provides innovative and productive solutions for the entire spectrum of sheet metal fabricators. Whether your needs are stand-alone machines or smart factory solutions of any scale, TRUMPF has the machines, software, experience and manpower to determine, produce and support the best solution to fit your needs. We invite you to visit our FABTECH booths to see a sampling of our products, speak with our experts and develop a roadmap to solving your challenges today.

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## FABTECH BOOTH **A4402**

Mazak leads the way with Variable Beam Shaping technology on the OPTIPLEX NEXUS 3015 FIBER S7, high-speed productivity on the FT-150 FIBER tube laser and the high power of the OPTIPLEX 3015 FIBER III 10kW. For information visit [www.mazakoptonics.com](http://www.mazakoptonics.com).

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## OPTIPLEX NEXUS FIBER S7 HIGH POWER VARIABLE BEAM SHAPING



### BEAM SHAPING

Programmable beam shaping offers enhanced edge quality and speed with users selecting from a preset range of beam sizes and heat intensity profiles.



### H.P. AIR CUTTING

High Performance Air Cutting can dramatically reduce monthly operating costs, increase throughput and expand cutting range in particular applications.



### LIVE CAMERA NESTING

Active live camera nesting is a user-friendly solution for an operator to quickly and easily process additional parts on demand, without delay.



### IIoT SMART CONTROL

The PreviewG control can provide real-time cutting metrics and maintenance data maximizing machine utilization and reducing unexpected down time.

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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 McCormick Place.

### GENERAL INFORMATION

Beginning on **page 6**, find information on attendee event services such as baggage check, first aid, lost and found, and hotel shuttle information.

### CONFERENCE PROGRAM & SPECIAL EVENTS

Starting on **page 16**, preview schedules and room locations for the FABTECH Conference Program. In addition, turn to **page 20** to find a schedule of Special Events occurring at FABTECH 2021.

### NEW PRODUCTS

The first tabbed section found on **page 27** contains the new products by technology introduced at the show. Take the opportunity to review the products provided and stop by the exhibits to see the products live and in action!

### EXHIBITOR LIST

The second tabbed section found on **page 43** is an alphabetical listing of exhibitors who are showcasing their equipment. This includes important exhibitor contact information that can be used as a resource when you return to your office. Exhibitor List is current as of 8/17/21.

### PRODUCT CATEGORIES

The third tabbed section found on **page 95** provides a list of exhibitors by specific technology or type of equipment 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 after **page 130** is a visual representation of the exhibitor booth locations, including an alphabetical list of all exhibitors represented in the show. There are two maps, one for exhibitors located in the South Building, Hall A and one for exhibitors located in the North Building, Hall B and Lakeside Center (East Building), Hall D.

### HEALTH & SAFETY FIRST

Our top priority remains the health and safety of all those on-site at the event. FABTECH has actively worked with McCormick Place and our vendor partners to provide a safe environment. Learn more about what you can expect at the show at [fabtechexpo.com/safetyfirst](http://fabtechexpo.com/safetyfirst) or in the FABTECH mobile app.

## THANK YOU TO OUR SHOW SPONSORS

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# TAKE *the* TORCH.

AWS

**Become an AWS member today  
to lead the next generation of welders.**



The time to come back together and reconnect with the industry is now. This year, make FABTECH yours. Step into the exhibition hall and stop by the AWS booth located at B25008. Learn about who we are, how we can help advance your career through education and certification, how you can save on AWS products and services by becoming a member, and much more. As part of the Take the Torch membership recruitment campaign, AWS will hold a drawing for a customized AWS helmet for individuals who register to become members during September, including at FABTECH. If you're not an AWS member, now is your chance.

Explore all member benefits at AWS Booth **B25008** or by visiting [aws.org/takethetorch](https://aws.org/takethetorch)

Membership | Certification | Education | Training | Standards | Publications | Events | Foundation | Bookstore



[aws.org](https://aws.org)

## ABOUT THE SHOW

FABTECH is the largest metal forming, fabricating, welding, tube & pipe, 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 event is cosponsored by the American Welding Society (AWS), the Fabricators and Manufacturers Association, International (FMA), SME, the Precision Metalforming Association (PMA) and the Chemical Coaters Association International (CCAI).

## SHOW DATES & HOURS

Monday, Sept. 13 ..... 10 AM\* - 6 PM  
 Tuesday, Sept. 14 ..... 9 AM - 5 PM  
 Wednesday, Sept. 15 ..... 9 AM - 5 PM  
 Thursday, Sept. 16 ..... 9 AM - 3 PM

*\*East Building (Lakeside Center)  
 Opens at 9:00 AM.*

## LOCATION

**McCormick Place**  
 2301 S. King Drive  
 Chicago, IL 60616  
[mccormickplace.com](http://mccormickplace.com)

## ON-SITE SHOW REGISTRATION

Event Registration is located in the S100 Ballroom, Lakeside Center, South Hall A, and North Hall B Level 2.

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 AWS, FMA, SME, 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.

## HOURS OF OPERATION

ATTENDEE REGISTRATION			
SUNDAY	SEPTEMBER 12	10:00 AM	3:00 PM
MONDAY	SEPTEMBER 13	7:00 AM	5:00 PM
TUESDAY	SEPTEMBER 14	7:30 AM	4:00 PM
WEDNESDAY	SEPTEMBER 15	7:30 AM	4:00 PM
THURSDAY	SEPTEMBER 16	7:30 AM	2:00 PM

EXHIBITOR REGISTRATION			
SUNDAY	SEPTEMBER 12	7:00 AM	3:00 PM
MONDAY	SEPTEMBER 13	7:00 AM	5:00 PM
TUESDAY	SEPTEMBER 14	8:00 AM	4:00 PM
WEDNESDAY	SEPTEMBER 15	8:00 AM	4:00 PM
THURSDAY	SEPTEMBER 16	8:00 AM	2:00 PM

FABTECH attendees can show their badge for complimentary admission to the RAPID + TCT exhibit hall, located in the East Building, Hall E.

## 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, or approved in advance by FABTECH Public Relations staff. **Check-in is required at the Media Center Room N427A.** The use of camera phones for the sole purpose of photography at the show is prohibited.

## SOLICITATION INFORMATION

Unauthorized solicitation (suitcasing/outboarding) of or marketing to exhibiting companies and attendees 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. Violators will be asked to leave the premises.





# FABTECH 2021

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## HOW TO LOCATE EXHIBITORS ON THE SHOW FLOOR

### EXHIBITOR BOOTHS

The show encompasses the South Building, Hall A, the North Building, Hall B and Lakeside Center (East Building), Hall D at McCormick Place. The exhibitor booths are arranged in eight (8) 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 eight technology areas:

 3D/Additive Manufacturing	 Forming & Fabricating	 Robotics & Industrial Automation	 Welding
 Finishing	 METALFORM	 Tube & Pipe	 Welding Automation

### 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  icon 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 27.

### 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 650 individual product categories with exhibitor name and booth number listed below each category.

## EVENT SERVICES

### ATMS

Cash machines are available in each building: South Level 2.5 in the Convenience Center; North Level 2, near McDonald's; West Level 1 near the Transportation Center and Lakeside Level 2, near the Arie Crown Theater box office. All cash machines accept American Express, VISA, Mastercard, Cirrus, and Plus.

### BADGE CORRECTIONS

Anyone who will need changes to their show badge can go to registration in the S100 Ballroom, Lakeside Center, South Hall A, and North Hall B Level 2.

### BADGE PICK UP

Pre-registered attendees can pick up their show badge in the S100 Ballroom, Lakeside Center, West Transportation Lobby and North Hall B Level 2.

### BAGGAGE CHECK/COAT CHECK LOCATIONS

Permanent Location near Gate #4 at the entrance to the Hyatt McCormick Place

### South Building, West Transportation Lobby, ROOM 101

September 13.....8:00 AM - 6:00 PM  
September 14.....7:00 AM - 6:00 PM  
September 15.....7:00 AM - 6:00 PM  
September 16.....7:00 AM - 5:00 PM

### Gate 26

September 13.....7:00 AM - 6:00 PM  
September 14.....7:00 AM - 6:00 PM  
September 15.....7:00 AM - 6:00 PM  
September 16.....7:00 AM - 4:00 PM

### BUSINESS CENTER

FedEx Office is located on Level 2.5 of the Grand Concourse in the South Building. It is open Monday through Friday, 8:30 AM - 5:00 PM.

### FIRST AID/EMERGENCY

McCormick Place provides wheelchair-accessible first aid stations in each building. They are operated and staffed by licensed medical professionals. Stations are fully-equipped and include automated external defibrillators (AEDs) to respond to life-threatening occurrences.

There are First Aid areas located in each building:

**Lakeside Center** - Level 1 near the Arie Crown Theater Dressing Room Entrance

**South and North Buildings** - Level 2.5 of the Grand Concourse near the FedEx Office

**West Building** - Level 1 near the Transportation Center

### INFORMATION

Have questions or need assistance? Stop by one of the Customer First counters located in the registration areas and on the 2.5 Level of the Grand Concourse.

### LOST AND FOUND

Check for lost items in the Security Office Room S400C, or the Show Management Office Room N426, open from 8:00 AM to 6:00 PM each day.

### MEDIA CENTER

The Media Center is located in Room N427A.

### HOURS OF OPERATION

#### Phone: 312-791-6703

September 13.....8:00 AM - 6:00 PM  
September 14.....8:00 AM - 5:00 PM  
September 15.....8:00 AM - 5:00 PM  
September 16.....8:00 AM - 3:00 PM

### VIP LOUNGE

The VIP lounge is located in Room N427BC and is open during show hours to those

individuals that have VIP status indicated on their badge.

### WI-FI

McCormick Place now provides free Wi-Fi. This amenity is available throughout the facility, including all common hallways, exhibit halls and meeting rooms.

### DISABILITY SERVICES

**Assisted Hearing** - McCormick Place has TTY access available at the Security Command Center located in the North Building on Level 1. For more information, call the TTY number at 312-791-6505.

**Entrances and Exits** - McCormick Place has 4 designated drop-off points for taxis and cars that provide ramped curbs and automatic entry doors:

**Lakeside Center (East Building):** Drop off at Gate 37 (car drop off at Gate 31); pick up at Gate 30

**North Building:** Drop off or pick up at Gate 22

**South Building:** Drop off or pick up at Gate 4

**West Building:** Drop off or pick up at Gate 40

**Parking Lots** - Accessible parking is available in Lot A (located on Martin Luther King Drive), Lot C (located underground in Lakeside Center) and the Hyatt Regency McCormick Place parking garage.

**Service Animals** - Trained service animals are welcome at McCormick Place.

**Wheelchairs, Mobility Services and Oxygen Equipment** - For wheelchairs, mobility scooters, power chairs and oxygen equipment rentals, contact Scootaround Mobility Solutions at 888-441-7575 or visit [locations.scootaround.com/McCormickPlace](http://locations.scootaround.com/McCormickPlace).

## RESTAURANTS AT MCCORMICK PLACE

**23rd St. Café & Market** - Located on Level 3 of the Grand Concourse, the 23rd St. Café & Market offers a sustainable, healthy menu. The 23rd St. Café & Market features choices in menu and service options with a seated Café section and a "grab-n-go" Market.

**Connie's Pizza** - Chicago's own Connie's Pizza and other Italian favorites like soups, salads and sandwiches. Located on Level 2 of the North Building.

**Lakeside Bistro** - The Lakeside Bistro is a convenient place for exhibitors and attendees to eat, meet and network. Located in the Lakeside Center Ballroom, the Lakeside Bistro will be open on event days from 11AM-2PM and feature a buffet menu that will change daily. Reservations are not required and credit cards are accepted.

**McDonald's Express** - Featuring classic All-American favorites. Located on Level 2 of the North Building.

**South Hall Café A1 and Café A2** - Located on the South Hall show floor, featuring hot and cold sandwiches, salads and beverages.

**South Hall Food Court** - This eclectic food court offers several options to choose from: Little Italy, Pacific Rim,

American Grill, Fiesta Brava, Express-to-Go sandwiches, salads and snacks, as well as a fabulous soup bar.

**Starbucks®** - Located in the concourse of the West Building, on Level 2.5 of the South Building, and the Level 3 show floor of the North Building.

### Hyatt McCormick Place Dining Options

- **Sixes & Eights** - Enjoy dishes traditionally found in Asian roadside cafes, temples and markets at this colorful bistro.
- **Third Star** - Enjoy global cuisine with innovative, bold flavors in the stunning interiors of this worldly eatery.
- **Arc Bar** - Intimate, yet edgy, this high-voltage bar serves house cocktails and creative shared plates.
- **Market** - Start your day with Starbucks® coffee and other tasty treats.

### Marriott Marquis McCormick Place Dining Options

- **Woven + Bound Restaurant** - Tempt your taste buds with a bountiful breakfast buffet and delicious American cuisine for lunch and dinner.
- **Woven + Bound Bar** - Open for lunch and dinner.

• **2121 Pantry** - Savor tasty food made from fresh ingredients in the Fresh Bites Pantry restaurant.

• **Showroom Food Hall** - The food and beverage is vibrant and fun while celebrating the handcrafted, all-American comfort Chicago is celebrated for. Start your engine at Revolution Coffee Counter. Refuel at Winged Warrior Pizza, Argosy Soup and Sandwich or Hot Licks Spuds. Take a victory lap with friends while enjoying a drink from Nomad Beer & Wine.



## EXHIBITOR SERVICES

### EXHIBITOR LOUNGE

The exhibitor lounge is located in Room N427D and will be available to exhibitors from **Monday, September 13 thru Thursday, September 16 from 8:00 AM to 5:00 PM** each day. Exhibitors must wear their exhibitor badge for admittance.

### SHOW MANAGEMENT OFFICE

The Show Office is located in Room N426 and is open from 8:00 AM to 6:00 PM each day. Phone: 312-791-6700

### HOTEL/HOUSING DESK

The information desk for onPeak, the official hotel vendor for FABTECH is located on Level 2.5. Phone: 312-791-6704

## GO MOBILE AT FABTECH

Download the FABTECH Mobile App to access show info at your fingertips. 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.

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## HOTEL LOCATOR MAP



## HOTEL SHUTTLE SERVICE\*

ROUTES 1-3 ONLY	Inbound to McCormick EAST from Hotels EVERY 15-20 MINUTES	Return to Hotels from McCormick EAST EVERY 30-35 MINUTES
<b>Monday, September 13</b>	7:00 AM – 10:30 AM	2:30 PM – 6:30 PM
<b>Tuesday, September 14</b>	7:00 AM – 10:30 AM	2:30 PM – 5:30 PM
<b>Wednesday, September 15</b>	7:00 AM – 10:30 AM	2:30 PM – 5:30 PM
<b>Thursday, September 16</b>	7:00 AM – 10:30 AM	2:00 PM – 4:30 PM
<b>ROUTE 1</b>		
12 Hampton Inn Majestic Chicago Theater District	At Palmer House Hilton, Wabash Avenue Entrance	
13 Hilton Chicago	8th Street Entrance	
31 Palmer House Hilton	Wabash Avenue Entrance	
38 The Blackstone	At Hilton Chicago, 8th Street Entrance	
<b>ROUTE 2</b>		
10 Hampton Inn Chicago Downtown Mag Mile	Front Entrance on Huron	
18 The Drake	At Westin Michigan Ave, Front Entrance, Across Delaware	
29 Millennium Knickerbocker	At Westin Michigan Ave, Front Entrance, Across Delaware	
30 Omni Chicago	At Hampton Inn / Homewood Mag Mile, Front Entrance	
35 Residence Inn Downtown Mag Mile	At Westin Michigan Avenue, Front Entrance, Across Delaware	
43 Westin Michigan Avenue	Front Entrance, Across Delaware	
<b>ROUTE 3</b>		
16 Holiday Inn Chicago Mart Plaza	Orleans Street, Mart Side (Near CTA)	
20 Hotel Chicago	At Westin River North, SW Corner of Clark & James C Tyree Way	
26 JW Marriott	LaSalle Street Entrance	
34 Residence Inn Downtown Loop	JW Marriott, LaSalle Street Entrance	
41 W Chicago City Center	JW Marriott, LaSalle Street Entrance	
42 Westin River North	SW Corner Clark & James C Tyree Way	
<b>ROUTES 4-6 ONLY</b>		
<b>Monday, September 13</b>	7:00 AM – 10:30 AM	2:30 PM – 6:30 PM
<b>Tuesday, September 14</b>	7:00 AM – 10:30 AM	2:30 PM – 5:30 PM
<b>Wednesday, September 15</b>	7:00 AM – 10:30 AM	2:30 PM – 5:30 PM
<b>Thursday, September 16</b>	7:00 AM – 10:30 AM	2:00 PM – 4:30 PM
<b>ROUTE 4</b>		
9 Fairmont Chicago Millennium Park	At Hyatt Regency, Curbside on Wacker, E Tower Entrance	
23 Hyatt Regency Chicago	Curbside on Wacker, East Tower Entrance	
32 Royal Sonesta Chicago Riverfront	Front Entrance	
33 Renaissance Chicago	Front Entrance Curbside	
37 Swissotel Chicago	At Hyatt Regency, Curbside on Wacker, E Tower Entrance	
40 TheWit	At Renaissance Chicago, Front Entrance Curbside	
<b>ROUTE 5</b>		
1 AC Hotel Chicago Downtown	NW Corner Grand & Rush	
4 Courtyard Chicago Downtown River North	SE Corner of Illinois & State	
6 Embassy Suites Downtown	At Hilton Garden Inn, Front Entrance on Grand	
14 Hilton Garden Inn Chicago Downtown Mag Mile	Front Entrance	
19 Homewood Suites Chicago Downtown (Grand)	NW Corner Grand & Rush	
25 InterContinental Mag Mile	Illinois Street Entrance	
2 Marriott Chicago Downtown Mag Mile (PMA HQ)	NW Corner Grand & Rush	
39 The Gwen	NW Corner Grand & Rush	
<b>ROUTE 6</b>		
3 Courtyard Marriott Magnificent Mile	At Fairfield Inn & Suites Downtown, Front Entrance	
5 Doubletree Mag Mile Chicago	Fairbanks Street Entrance	
7 Embassy Suites Downtown Mag Mile	At Sheraton, Front Entrance, Across Street	
8 Fairfield Inn & Suites Downtown Mag Mile	Front Entrance	
21 Hotel EMC2, Autograph Collection	At Fairfield Inn Mag Mile, Front Entrance	
22 Hyatt Centric Mag Mile	At Fairfield Inn Mag Mile, Front Entrance	
27 Loews Chicago Hotel (CCAI HQ)	At Sheraton, Front Entrance, Across Street	
36 Sheraton Grand	Front Entrance, Across Street	
<b>WALKING DISTANCE, NO SERVICE REQUIRED</b>		
11 Hampton Inn McCormick Place	24 Hyatt Regency McCormick Place	
15 Hilton Garden Inn McCormick Place	28 Marriott Marquis Chicago	
17 Home2 Suites McCormick Place		

\*Please be advised that pick up times & locations listed above are subject to change.

10 Please consult the event web site or signage in your hotel lobby for up-to-date schedule and boarding point information.

## PUBLIC TRANSPORTATION

**The Regional Transportation Authority (RTA)** manages the 3 public transit operations in northeastern Illinois: The Chicago Transit (CTA), Metra commuter rail and Pace suburban bus. For information on routes and schedules, contact the RTA via the web at [rtachicago.org](http://rtachicago.org) or call the Transit Information Hotline at 312-836-7000.

### Bus Services

The Chicago Transit Authority provides the following bus service and runs approximately every 15 minutes. Drop off is located at the main entrance to the South Building on Martin Luther King Drive. The #3 King Drive bus is the most common bus route to McCormick Place as it runs north/south along Michigan Avenue serving many downtown hotels and the Magnificent Mile and Water Tower Place. The McCormick Place stop is located at 2301 S. King Drive, Chicago and is in front of our main entrance. **One-way bus fare is \$2.25** and it is recommended to pre-purchase a Ventra card prior to using the bus system.

### Regional Transit Authority (METRA)

Located on Level 2.5 of the Grand Concourse in the South Building, the METRA Electric commuter railroad provides direct service within seven minutes to and from downtown Chicago. Service from the Millennium (Randolph St.) Station (near the Fairmont Hotel) to McCormick Place begins early morning, with more frequent pick-ups during rush hour. Single trip: \$4.00 and up based on zones traveled, 10-ride pass: \$38.00 and up based on zones traveled. For exact fares and route maps, visit the Metra website at [metr rail.com](http://metr rail.com).

### Taxis

Taxis are plentiful, easy-to-hail downtown and at the airports and offer a convenient way to get around the city. Credit cards are accepted in all cabs by city mandate. It is standard to tip the driver about 15-20% of the fare, plus \$1-2 per bag if the driver helps you with luggage. Please note that all fares are subject to change. Sample taxi fare between downtown and O'Hare Airport is \$40-50, and between Midway Airport is \$30-35.

### Uber/Lyft/CHICABS

(Transportation Network Providers also referred to as "rideshare")

Rideshare drop off/pick up locations at McCormick Place:

- South/North Buildings: Gate 4.5
- West Building: Gate 40.5
- Lakeside Building: Gate 38

### Airports

O'Hare International Airport, located 17 miles from downtown, is one of the largest airports in the world. It is North America's major international gateway airport, servicing over 83 million passengers to and from over 260 destinations around the globe. Midway International Airport is located 10 miles from downtown Chicago and offers another convenient travel option for visitors. It is the nation's premier point-to-point airport, offering value-oriented leisure and business travel to over 80 destinations. Visit [flychicago.com](http://flychicago.com) for details on parking, amenities, flight status, terminal maps and more for both O'Hare and Midway airports.

## EVENT PARKING

**There are three main McCormick Place lots: A, B, and C.** Parking fees can be paid by cash or credit card; VISA, MasterCard and American Express are accepted.

**Lot A** - 2301 South Prairie Avenue, Chicago, IL 60616: (8' height clearance) is a six level garage with 2,100 parking spaces located on Martin Luther King Drive, adjacent to the West Building. Covered walkways from Lot A leading directly into McCormick Place and the Hyatt Regency McCormick Place Hotel also provide added convenience. The parking rate is \$25 for up to 16 hours and \$38 from 16 to 24 hours.\* There are no in-and-out privileges. Overnight parking is available in Lot A only. Lost tickets will pay the \$36 (overnight) fee per day.

**Lot B** - 3050 South Moe Drive, Chicago, IL 60616 (also known as 31st Street Lot) is an outdoor surface parking lot located at 31st Street near Lake Shore Drive South and Moe Drive. It holds over 1,800 vehicles. The parking rate is a flat fee of \$16 per day with no in-and-out privileges.\* This parking lot is open throughout event hours. Overnight parking is not available.

**Lot C** - Fort Dearborn Drive, Chicago, IL 60616 (6'4" height clearance) is an underground garage with 1,900 parking spaces and is located on Ft. Dearborn Drive, adjacent to the Lakeside Center. The parking rate is a flat fee of \$25 per day with no in-and-out privileges.\* This parking lot is open throughout event hours. Overnight parking is not available.



## ABOUT THE EVENT PARTNERS

The FABTECH Event Partners include five leading industry associations; the American Welding Society (AWS), the Fabricators and Manufacturers Association, International® (FMA), SME, the Precision Metalforming Association (PMA), and the Chemical Coaters Association International (CCAI).



The American Welding Society (AWS) was founded in 1919 as a multifaceted, nonprofit 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 more than about 70,000 members worldwide and is composed of 22 Districts with 250 sections and student chapters.

**For more information, visit [aws.org](http://aws.org).**



Based in Elgin, Ill., the Fabricators & Manufacturers Association International is a professional organization reaching more than 135,000 industry professionals world-wide focused on improving the metal forming and fabricating industry. Founded in 1970, FMA brings metal fabricators and fabricating equipment manufacturers together through technology councils, educational programs, networking events, award-winning magazines and co-sponsorship of FABTECH. FMA has a technology affiliate, the Tube & Pipe Association, International (TPA), which focuses on the unique needs of companies engaged in tube and pipe producing and fabricating. Nuts, Bolts & Thingamajigs™ is the charitable foundation of FMA. **Visit [fmanet.org](http://fmanet.org) for more information.**



SME connects manufacturing professionals, academia and communities, sharing knowledge and resources to build inspired, educated and prosperous manufacturers and enterprises. With more than 85 years of experience and expertise in events, media, membership, training and development, and also through an education foundation, SME is committed to promoting manufacturing technology, developing a skilled workforce and attracting future generations to advance manufacturing. **Learn more at [sme.org](http://sme.org), follow @SME\_MFG on Twitter or [facebook.com/SMEmfng](https://facebook.com/SMEmfng).**



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.org](http://pma.org) to learn more.**



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. **For more information visit [ccaiweb.com](http://ccaiweb.com).**

Membership information can be obtained in the booth of the event partners, or by contacting the event partner directly.

### AWS BOOTH: B25008

**American Welding Society**  
8669 NW 36 Street,  
Suite # 130  
Miami, FL 33166  
1-305-443-9353  
Toll-Free: 1-800-443-9353  
[aws.org](http://aws.org)

### FMA BOOTH: A3654

**Fabricators & Manufacturers Association, Int'l®**  
2135 Point Blvd  
Elgin, IL 60123  
1-815-399-8700  
Toll-Free: 1-888-394-4622  
[fmanet.org](http://fmanet.org)

### SME BOOTH: A3614

**SME**  
1000 Town Center Dr.  
Suite 1910  
Southfield, MI 48075  
1-313-425-3000  
Toll-Free: 1-800-733-4763  
[sme.org](http://sme.org)

### PMA BOOTH: D46858

**Precision Metalforming Association**  
6363 Oak Tree Blvd  
Independence, OH 44131  
1-216-901-8800  
[pma.org](http://pma.org)

### CCAI BOOTH: D45329

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

## EXHIBITOR ADVISORY COMMITTEE (2021)

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

### ADDITIVE MANUFACTURING

**Matt Garbarino**, *Director of Marketing Communications, Cincinnati, Inc.*

### FABRICATING

**Megan Harmann**, *Marketing Manager, Peddinghaus*

**Nick Ostrowski**, *General Manager, Amada America, Inc.*

### FINISHING

**Donna Gordon**, *Marketing Director, Blast Cleaning Technologies*

**Rhonda Joslin**, *Marketing Manager, EXEL North America*

**Fiona Levin-Smith**, *Vice President, IFS Coatings*

### ROBOTICS & INDUSTRIAL AUTOMATION

**Ann Lapinski**, *Digital Experience Manager, Hiwin Corporation*

**Paxton Shantz**, *Digital Manufacturing Industry Manager, Beckhoff Automation*

### STAMPING

**Scott Braitto**, *Director of Sales, SEYI-America, Inc.*

**Kelly Ott**, *Sales & Marketing, ShopEdge Software*

**Matt Shelter**, *Product Manager, AIDA-America*

**John Walas**, *Marketing Manager, Komatsu America Industries, LLC*

### TUBE & PIPE

**Open Position**

### WELDING

**Betsy Van Duyn**, *Marketing Manager, Hypertherm, Inc.*

**Mike Monnin**, *General Manager, Sales & Marketing, OTC DAIHEN, Inc.*

**Bill Wehrman**, *Marketing Communications, ESAB Welding & Cutting Products*

### EXPO MANAGEMENT

**John Catalano**, SME

**Andy Goyer**, CCAI

**Mark Hoper**, FMA

**Matt Rubin**, AWS

**Doug Trout**, PMA



## LAKESIDE BISTRO

The Lakeside Bistro is a convenient place for exhibitors and attendees to eat, meet and network. Located in the Lakeside Center Ballroom, the Lakeside Bistro will be open on event days from 11AM-2PM and feature a buffet menu that will change daily. Reservations are not required and credit cards are accepted.

## CONFERENCE PROGRAM

### ABOUT THE CONFERENCE PROGRAM

The Fabricators & Manufacturers Association, Int'l (FMA), SME, Precision Metal-forming Association (PMA), and Chemical Coaters Association International (CCAI), co-sponsor the sessions on 3D/additive manufacturing, automation/robotics, cutting, finishing, forming & fabricating, job shop, laser, lean, management, marketing & sales, smart manufacturing, stamping, and workforce development. All sessions offer practical knowledge you can use right away.

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.

### 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 LOCATE SESSIONS

- Use the Schedule-at-a-Glance on pages 16-19 to get a quick preview of all the programs offered at the 2021 event. Programs are grouped within 14 tracks: 3D/Additive Manufacturing, Automation /Robotics, Cutting, Finishing, Forming & Fabricating, Job Shop, Laser, Lean, Management, Marketing & Sales, Smart Manufacturing, Stamping, Workforce Development, and Welding.
- Review the Floor Plan Layout below for a visual overview of the meeting rooms where all the FABTECH conference and professional events take place.

## FABTECH CONFERENCE PROGRAM ADVISORS (2021)

### ADDITIVE TRACK:

- Carl Dekker**, *President*, Met-L-Flo, Inc.
- Matt Donovan**, *Chief Engineer*, JABIL
- Kristen Esiminger**, *Marketing Events & PR Manager*, EOS North America
- Ryan Manning**, *Master Engineer*, Big Metal Additive, LLC

### AUTOMATION/ROBOTICS TRACK:

- Bob Rochelle**, *Territory Sales Manager*, Güdel Inc.
- Michael J. Schlagenhauser**, *Manufacturing Consultant*, Acuity
- Thom Record**, *Marketing Specialist*, KUKA Robotics Corporation

### CUTTING TRACK:

- Jorge Santana**, *Marketing Project Manager*, Hypertherm

### FINISHING TRACK:

- CCAI Education Committee**

### LASER TRACK:

- Geoff Shannon, PhD**, *Director of Marketing*, Coherent Inc.
- Neil S. Ball**, *President*, Directed Light Inc.
- Rouzbeh Sarrafi**, *Laser Materials Processing*, IPG Photonics

### LEAN TRACK:

- Anthony Manos**, *Catalyst*, Profero, Inc.
- Mike Osterling**, *President*, Osterling Consulting

### MANAGEMENT TRACK:

- Joe Mazzeo**, *Owner*, Integrated Lean and Quality Solutions, LLC
- Lisa Ryan**, *Chief Appreciation Strategist*, Grategy

### SMART MANUFACTURING TRACK:

- Will Healy III**, *Industry Strategy Manager* — Americas, Balluff Worldwide
- Jonathan Kim**, *Division Manager*, Industrial IoT Solution, Amada America, Inc.
- Dave Lechleitner**, *Senior Consultant*, Ultra Consultants

### STAMPING TRACK:

- PMA Technical Seminar & Conference Task Force**

### WORKFORCE DEVELOPMENT TRACK:

- Lisa Ryan**, *Chief Appreciation Strategist*, Grategy
- Joe Mazzeo**, *Owner*, Integrated Lean and Quality Solutions, LLC

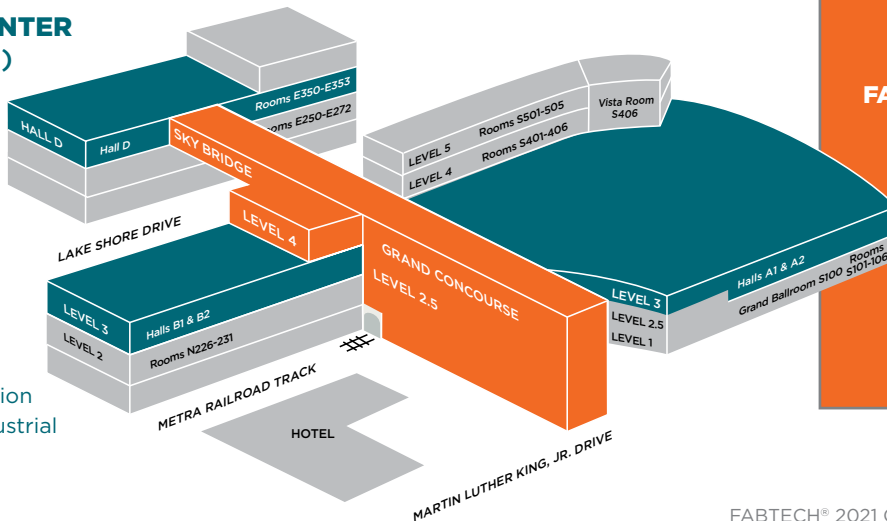
## MCCORMICK PLACE

### LAKESIDE CENTER (East Building)

- Finishing
- Lakeside Center Ballroom
- METALFORM
- Tube/Pipe

### NORTH BUILDING

- Welding
- Welding Automation
- Robotics and Industrial Automation



### AWS HEADQUARTERS ROOM N229

SEPT 13 - 16  
5:30 AM - 6:00 PM

### FABTECH HEADQUARTERS

ROOM S401A  
(FMA, SME, PMA)

ROOM E254  
(CCAI)

SEPT 13 - 15  
7:00 AM - 5:00 PM

SEPT 16  
7:00 AM - 1:00 PM

## 2021 SPECIAL PRICING INFORMATION

The FABTECH event partners want to give back to manufacturing and support training and education needs for 2021 and beyond. We want to help companies prioritize training right now by offering the **LOWEST RATES** ever on our conference programs. **With these special rates, there has never been a better time to take advantage of all the learning opportunities at FABTECH.**

### EXHIBITS ONLY

The cost to attend the exhibits is \$50. AWS, FMA, SME, PMA, and CCAI members may always attend the exhibits for FREE with proof of membership. Includes admission to the RAPID + TCT exhibit floor, located in the East Building, Hall E.

### CONFERENCE TRACKS

- 3D/Additive Manufacturing
- Automation/Robotics
- Cutting
- Laser
- Finishing
- Forming & Fabricating
- Job Shop
- Lean
- Management
- Marketing & Sales
- Smart Manufacturing
- Stamping
- Workforce Development

FABTECH Items and Pricing	Member	Non-member
1 Session	\$150	\$170
2 Sessions	\$200	\$220
3 Sessions	\$255	\$285
4 Sessions	\$320	\$340
<b>Full Conference: (5 or more sessions) BEST VALUE!</b>	\$375	\$395
Half-Day Workshops	\$225	\$245
Full-Day Workshops	\$375	\$395
Two-Day Finishing Workshops	\$545	\$545
On-Demand Conference Sessions Package	\$295	\$295

### WELDING TRACK

	Member	Non-member*
AWS/Weld-Ed Conference	\$25	\$50
Half-Day Welding Sessions	\$345	\$430

\* Non-member price for AWS Welding Sessions only includes a one-year AWS Individual Membership.

**CONFERENCE CANCELLATION POLICY:** Cancellations are non-refundable. Substitutions are allowed.





## MONDAY, SEPTEMBER 13

## SCHEDULE-AT-A-GLANCE

TECHNOLOGY	8:00 AM - 9:30 AM	10:30 AM - 12:00 PM	1:00 PM - 2:30 PM	3:30 PM - 5:00 PM
3D/ADDITIVE MANUFACTURING	<b>F10:</b> Fundamentals of AM (7 Processes, Hybrid, AM Enabled) <b>Room S405B</b>	<b>NEW!</b> <b>F11:</b> The Hidden Challenges: Is Additive Manufacturing for You? <b>Room S405B</b>	<b>NEW!</b> <b>F12:</b> Managing the AM Supply Chain <b>Room S405B</b>	<b>NEW!</b> <b>F13:</b> Ask the Panel of Additive Manufacturing Experts ( <b>BONUS SESSION</b> ) <b>Room S405B</b>
AUTOMATION/ROBOTICS	<b>NEW!</b> <b>F20:</b> Automation Adoption: What You Need to Know & Why <b>Room S405A</b>	<b>NEW!</b> <b>F21:</b> Five Steps to Creating Operational Excellence in Robotic Joining <b>Room S405A</b>	<b>WS3:</b> Getting Started with Robotics: A Journey to the World of Robotics & Autonomous Systems Workshop (1:00 PM - 4:00 PM) <b>Room S405A</b>	
CUTTING			<b>NEW!</b> <b>F32:</b> The Most Versatile Machine Tool & 7 Habits of Highly-Effective Nesting Software <b>Room S401D</b>	<b>F33:</b> Comparative Cutting <b>Room S401D</b>
FINISHING			<b>C12:</b> I Want to Ecoat, Now What? <b>Room E353A</b>	
			<b>C22:</b> Powder Coating Basics - A Fundamental Understanding of a Powder Coating System <b>Room E353B</b>	
			<b>NEW!</b> <b>C32:</b> An Architectural Update: Liquid and Powder Coatings <b>Room E353C</b>	
<b>NEW!</b> <b>C100:</b> Industrial Finishing Safety Workshop - Day 1 (9:00 AM - 4:00 PM) <b>Room E271B</b>				
FORMING & FABRICATING	<b>F40:</b> Press Brake for Engineers <b>Room S403B</b>	<b>F41:</b> Tube Bending: Best Practices <b>Room S403B</b>	<b>F42:</b> Coil Processing: Blanking, Leveling, and Deburring <b>Room S403B</b>	<b>F43:</b> Roll Forming Basics <b>Room S403B</b>
JOB SHOP	<b>NEW!</b> <b>WS7:</b> Business Owners Guide to Protect, Value and Plan for the Future Workshop (8:00 AM - 12:15 PM) <b>Room S403A</b>		<b>NEW!</b> <b>F72:</b> Industrial Ventilation & Air Filtration: Understanding Options in System Design <b>Room S403A</b>	<b>F73:</b> Estimating Software to Manage the Job Shop <b>Room S403A</b>
LASER		<b>NEW!</b> <b>F31:</b> How Much Laser Power Is Right for Your Business? <b>Room S401D</b>		
LEAN	<b>NEW!</b> <b>F50:</b> Lean Principle: Blue-Collar Kaizen: Leading Lean & Lean Teams <b>Room S402A</b>	<b>F51:</b> Lean Principle: Getting Started with Your Lean Journey <b>Room S402A</b>		<b>NEW!</b> <b>F53:</b> Lean Tools: Production Floor Communication to Strengthen Employee Engagement & Standard Work <b>Room S402A</b>
MANAGEMENT	<b>F60:</b> Breaking Boundaries for Operational Excellence <b>Room S404BC</b>	<b>F61:</b> Business Builders: Make Business Development a Competitive Advantage <b>Room S404BC</b>	<b>NEW!</b> <b>F62:</b> Creating and Sustaining Cultures of Innovation in Manufacturing <b>Room S404BC</b>	<b>F63:</b> Strategies for Leading & Managing a Change Initiative <b>Room S404BC</b>
MARKETING & SALES	<b>NEW!</b> <b>WS8:</b> Market and Build Your Fabrication Story Workshop (8:00 AM - 12:00 PM) <b>Room S402B</b>		<b>NEW!</b> <b>F82:</b> From Funnel to Flywheel: How to Maximize Your Marketing for Sales <b>Room S402B</b>	<b>NEW!</b> <b>F83:</b> Learn How to Optimize Your Sales Team's Funnel & Obtain Visibility into Your Sales Forecast <b>Room S402B</b>
SMART MANUFACTURING	<b>NEW!</b> <b>F90:</b> Meeting Changing Buyer Expectations Through Digital Transformation <b>Room S404D</b>	<b>NEW!</b> <b>F91:</b> IIoT to Improve Manufacturing Process <b>Room S404D</b>	<b>NEW!</b> <b>F92:</b> Digital Tools & Technology to Mitigate Project Risk <b>Room S404D</b>	<b>F93:</b> Leveraging A.I. In Industrial Manufacturing <b>Room S404D</b>
STAMPING	<b>S10:</b> What's Holding You Back? How to Optimize Your Press Line <b>Room S404A</b>	<b>S11:</b> Understanding Servo Metal Stamping Presses, Proper Usage, Troubleshooting and Maintenance <b>Room S404A</b>	<b>NEW!</b> <b>S12:</b> Heat Treating Fundamentals, Vacuum Heat Treating and Applications <b>Room S404A</b>	<b>NEW!</b> <b>S13:</b> 5 Steps to Creating Operational Excellence in the Press Shop <b>Room S401BC</b>
WORKFORCE DEVELOPMENT	<b>NEW!</b> <b>F110:</b> Winning the Workplace Challenge: Getting Along and Getting Things Done <b>Room S401BC</b>	<b>NEW!</b> <b>F111:</b> Tutorial on How to Develop or Enhance Virtual Presentation & Internships <b>Room S401BC</b>	<b>NEW!</b> <b>F112:</b> Three Key Areas that are Essential to Become a Better Leader <b>Room S401BC</b>	<b>F113:</b> Read (Hidden) Emotions - Know What Others are Thinking and Feeling <b>Room S401BC</b>
WELDING	<b>W1:</b> How to Create and Write a Quality Manual for the ATF Program - <b>Room N230AB</b>			1:00 PM - 5:00 PM
	<b>W2:</b> Overview of Welding Inspection - <b>Room N231</b>			1:00 PM - 5:00 PM

CONFERENCE PROGRAM INFORMATION

Schedule subject to change. Detailed Conference Program session descriptions, speakers, pricing, room locations and more can be found at [fabtechexpo.com/conference](http://fabtechexpo.com/conference).

■ Basic ■ Intermediate ■ Advanced

# TUESDAY, SEPTEMBER 14

# SCHEDULE-AT-A-GLANCE

TECHNOLOGY	8:00 AM – 9:30 AM	10:30 AM – 12:00 PM	1:00 PM – 2:30 PM	3:30 PM – 5:00 PM
<b>3D/ADDITIVE MANUFACTURING</b>	<b>NEW!</b> ■ <b>WS1:</b> Navigating Technology and Design Considerations in Additive Manufacturing Workshop (8:00 AM - 12:00 PM) <b>Room S405B</b>			■ <b>F17:</b> Viable Power Quality & Legal Issues to Sustain Additive Processes <b>Room S405B</b>
<b>AUTOMATION/ROBOTICS</b>	<b>NEW!</b> ■ <b>F24:</b> Position Your Business for Future Growth & Speed Up the Workforce with Automation Process <b>Room S405A</b>	<b>NEW!</b> ■ <b>F25:</b> Do You Know How Much Money You Are Losing Due to Equipment Downtime? <b>Room S405A</b>	<b>NEW!</b> ■ <b>WS4:</b> An Introduction to the World of AGVs: Identifying the Considerations for a Successful Application Workshop (1:00 PM - 5:00 PM) <b>Room S405A</b>	
<b>CUTTING</b>		<b>NEW!</b> ■ <b>F35:</b> Advancements in Cutting Automation <b>Room S401D</b>		
<b>FINISHING</b>	<b>NEW!</b> ■ <b>C14:</b> Automation - Controlling the Process <b>Room E353A</b>	<b>NEW!</b> ■ <b>C15:</b> Busting the Myths: What Really Matters in Metal Cleaning <b>Room E353A</b>	<b>NEW!</b> ■ <b>C16:</b> Improving System Performance <b>Room E353A</b>	
	■ <b>C24:</b> I Want to Powder Coat, Now What? <b>Room E353B</b>	■ <b>C25:</b> Optimizing Your Powder Coating Operations <b>Room E353B</b>	<b>NEW!</b> ■ <b>C26:</b> Operating Liquid Systems Efficiently <b>Room E353B</b>	
	<b>NEW!</b> ■ <b>C34:</b> Pretreatment - Get The Latest and Greatest! <b>Room E353C</b>	■ <b>C35:</b> See It, Touch It, Fix It - Identifying and Solving Finishing Defects <b>Room E353C</b>	<b>NEW!</b> ■ <b>C36:</b> Solutions for Metal Cleaning Issues <b>Room E353C</b>	
	<b>NEW!</b> ■ <b>C100:</b> Industrial Finishing Safety Workshop - Day 2 (8:00 AM - 12:00 PM) <b>Room E271B</b>			
<b>FORMING &amp; FABRICATING</b>	■ <b>F44:</b> Roll Forming: In-line Punching, Cutoff Dies, and Press Tonnage <b>Room S403B</b>	■ <b>F45:</b> Machine Safeguarding <b>Room S403B</b>	■ <b>F46:</b> Roll Forming: Justification and Welding Profiles <b>Room S403B</b>	<b>NEW!</b> ■ <b>F47:</b> Addressing Modern Day Metals in the Roll Forming Process <b>Room S403B</b>
<b>JOB SHOP</b>	<b>NEW!</b> ■ <b>F74:</b> Improving Production Outcomes Through Cross-Crew Synthesis <b>Room S403A</b>	<b>NEW!</b> ■ <b>F75:</b> Made to Order Tooling & Production Scheduling <b>Room S403A</b>	■ <b>F76:</b> Are Scheduling Problems Really Symptoms: "A Quick Fix for Job Shops" <b>Room S403A</b>	<b>NEW!</b> ■ <b>F77:</b> Transforming a Tired Manufacturing Company Back to an Industry Leader <b>Room S403A</b>
<b>LASER</b>	■ <b>F34:</b> Laser Ecosystems for Fiber Laser Cutting & Surface Cleaning <b>Room S401D</b>		<b>NEW!</b> ■ <b>F36:</b> Advantages of Laser Welding Applications <b>Room S401D</b>	<b>NEW!</b> ■ <b>F37:</b> Industrial Laser and Cutting Applications & Solutions <b>Room S401D</b>
<b>LEAN</b>	<b>NEW!</b> ■ <b>WS6:</b> Lean Overview - Principles & Practices Hands-On Learning Workshop (8:00 AM - 12:00 PM) <b>Room S402A</b>		■ <b>F56:</b> Lean Principle: Value Stream Mapping: Understanding the Whole from Sales to Shop to Customer <b>Room S402A</b>	■ <b>F57:</b> Lean Principle: A3 Thinking; Developing People & Solving Problems <b>Room S402A</b>
<b>MANAGEMENT</b>	<b>NEW!</b> ■ <b>F64:</b> Gen Z Is Coming - What You Need to Know for Your Business <b>Room S404BC</b>	<b>NEW!</b> ■ <b>F65:</b> That Was Fun! Where Are We in 2021? <b>Room S404BC</b>		<b>NEW!</b> ■ <b>F67:</b> Strategies To Create a Workplace Culture That Works! <b>Room S404BC</b>
<b>MARKETING &amp; SALES</b>	<b>NEW!</b> ■ <b>F84:</b> Winning With Social Media & Website Connections <b>Room S402B</b>	<b>NEW!</b> ■ <b>F85:</b> Ensuring A Successful Product Launch <b>Room S402B</b>	<b>NEW!</b> ■ <b>F86:</b> Building an Inside (Outbound) Sales Team <b>Room S402B</b>	<b>NEW!</b> ■ <b>F87:</b> Client Engagement: Compete on Awesome <b>Room S402B</b>
<b>SMART MANUFACTURING</b>	<b>NEW!</b> ■ <b>F94:</b> Key Steps to Jump Start Your Smart Manufacturing Journey <b>Room S404D</b>	<b>NEW!</b> ■ <b>F95:</b> The Manufacturers Data-Driven Playbook <b>Room S404D</b>	<b>NEW!</b> ■ <b>WS10:</b> Digital Transformation Models for Industry 4.0 Workshop (1:00 PM - 4:00 PM) <b>Room S404D</b>	
<b>STAMPING</b>		■ <b>S15:</b> Processing Parts for Progressive Dies - Evaluating Strip Layouts <b>Room S404A</b>	■ <b>S16:</b> Processing Parts for Progressive Dies - Engineering Principles and Design Guidelines <b>Room S404A</b>	■ <b>S17:</b> Automatic In-Die Part Quality Monitoring & Tool Adjustments <b>Room S404A</b>
<b>WORKFORCE DEVELOPMENT</b>	<b>NEW!</b> ■ <b>F114:</b> Blue-Collar Leadership® & Culture: The 5 Components for Building High-Performance Teams <b>Room S401BC</b>	<b>NEW!</b> ■ <b>F115:</b> The Art of Assertive Communication <b>Room S401BC</b>	■ <b>F116:</b> How to Attract and Keep the Right Talent <b>Room S401BC</b>	<b>NEW!</b> ■ <b>F117:</b> Give Your Employees C.R.A.P...The Success Formula for Building Employee Loyalty <b>Room S401BC</b>
<b>WELDING</b>	■ <b>W3:</b> AWS/Weld-Ed Conference - Project Based Welding Curriculum - <b>Room N228</b>			8:00 AM - 4:00 PM
	■ <b>W5:</b> Advanced NDT Methods and Your Future as a CWI - <b>Room N230AB</b>			8:00 AM - 11:00 AM
	■ <b>W6:</b> Metallurgy (Intermediate) - <b>Room N230AB</b>			1:00 PM - 5:00 PM

Schedule subject to change. Detailed Conference Program session descriptions, speakers, pricing, room locations and more can be found at [fabtechexpo.com/conference](http://fabtechexpo.com/conference).

■ = Basic ■ = Intermediate ■ = Advanced



## WEDNESDAY, SEPTEMBER 15

## SCHEDULE-AT-A-GLANCE

TECHNOLOGY	8:00 AM - 9:30 AM	10:30 AM - 12:00 PM	1:00 PM - 2:30 PM	3:30 PM - 5:00 PM
3D/ADDITIVE MANUFACTURING	NEW! ■ WS2: Pre and Post Processing of Additive Parts Workshop (8:00 AM - 12:00 PM) Room S405B		■ F101: Continuous Improvement for Additive Manufacturing Initiatives Room S405B	NEW! ■ F102: Materials and Joining for Plastic & Metal AM Technology Room S405B
AUTOMATION/ROBOTICS	NEW! ■ F28: Understanding & Automating Your Data to Stay Competitive Room S405A	NEW! ■ F29: Automating Press Brake & Bending Systems Room S405A	■ F201: What You Need to Understand Before Thinking About Running Your Shop Lights-Out Room S405A	NEW! ■ F202: Automation for Metal & Finishing Processes Room S405A
CUTTING	NEW! ■ F38: Advancements in 3D Plasma and Waterjet Cutting Room S401D	■ F39: Getting the Most Out of Your Waterjet Room S401D		
FINISHING	NEW! ■ C18: Robotic Finishing for General Industry Room E353A	NEW! ■ C19: Finishing's Future Through Automation Room E353A	NEW! ■ C101: Can I Justify a Batch Powder Coating System? Room E353A	
	NEW! ■ C28: Finishing Systems - Design and Project Management Room E353B	■ C29: Automating Your Powder Coating Line Room E353B	NEW! ■ C201: Mastering Surface Preparation Room E353B	
	NEW! ■ C38: Advancements in Powder Coating Materials Room E353C	NEW! ■ C39: Technology Update - Heat Sensitive Substrates Room E353C	■ C301: Preventative Maintenance and Troubleshooting Your Powder Coating Operations Room E353C	
	NEW! ■ C200: Powder Coating 101 Workshop in Spanish - Básicos del Recubrimiento en Polvo 101 Taller en Español - Day 1 (9:00 AM - 4:00 PM) Room E271B			
FORMING & FABRICATING	■ F48: Tube Bending and Hydroforming Room S403B	■ F49: Roll Forming: Advanced Techniques and Design Room S403B	■ F401: Coil Processing: Slitting Thin Materials, Leveling, & Deburring Room S403B	■ F402: Advanced Solutions for Tube and Pipe Room S403B
JOB SHOP	■ F78: Your Family Business: Everything You Need to Know Room S403A	NEW! ■ F79: Revolutionizing the Manufacturing Industry with XR Technology Room S403A	■ F701: Innovative Manufacturers: To Patent or Not to Patent? Room S403A	NEW! ■ F702: Building Business Resilience Next Steps Now Room S403A
LASER			NEW! ■ WS5: Laser Fabrication: Welding, Cutting & Additive Workshop (1:00 PM - 5:00 PM) Room S401D	
LEAN	■ F58: Lean Tools: Go to Gemba Room S402A	NEW! ■ F59: Lean Tools: Hoshin Kanri Room S402A	NEW! ■ F501: Lean Tools: Mastering Mixed Model Flow for a High-Performance Operation Room S402A	NEW! ■ F502: Lean Principle: Long-Term & Four System View of Lean for Manufacturing Success Room S402A
MANAGEMENT	NEW! ■ F68: How to Build a Better Supply Chain for your Business Room S404BC	NEW! ■ F69: Thriving Under Pressure: Revenue Growth In a New Business Paradigm Room S404BC	NEW! ■ F601: Markets & Energy Incentives for Manufacturing Room S404BC	■ F602: Brainstorming & Problem Solving Tools for Leaders Room S404BC
MARKETING & SALES	NEW! ■ F88: Creating an Inbound Marketing Action Plan for Manufacturers Who Are Prioritizing Online Lead Generation Room S402B	NEW! ■ F89: How Industrial and Manufacturing Companies Create Predictable Revenue Growth Room S402B	NEW! ■ WS9: Essential Sales Strategies for Manufacturers in 2021 and Beyond - Workshop (1:00 PM - 5:00 PM) Room S402B	
SMART MANUFACTURING	NEW! ■ WS11: Smart Manufacturing Bootcamp (8:00 AM - 5:00 PM) Room S404D			
STAMPING	■ S18: Deep Drawing Cylindrical Shells: Tooling Principles and Design Guidelines Room S404A	■ S19: Deep Drawing Rectangular Box Shells: Tooling Principles and Design Guidelines Room S404A	NEW! ■ S101: Reducing Cost and Risk to Timing Associated with Tool Buy-Off Room S404A	■ S102: Evaluating Your Lubricants for Performance and Safety Room S404A
WORKFORCE DEVELOPMENT	NEW! ■ WS12: Leadership Skills & Development Workshop (8:00 AM - 12:30 PM) Room S401BC		NEW! ■ F210: Diversity, Equity, and Inclusion: Future-Proofing Your Workforce Room S401BC	■ F211: Why You Can't Get Your People Motivated & What To Do About It Room S401BC
WELDING	W7: Additive/ASME - Room N230AB			8:00 AM - 11:00 AM
	W8: Metallurgy (Advance) - Room N230AB			1:00 PM - 5:00 PM

CONFERENCE PROGRAM INFORMATION

Schedule subject to change. Detailed Conference Program session descriptions, speakers, pricing, room locations and more can be found at [fabtechexpo.com/conference](http://fabtechexpo.com/conference).

■ = Basic ■ = Intermediate ■ = Advanced

# THURSDAY, SEPTEMBER 16

# SCHEDULE-AT-A-GLANCE

CONFERENCE PROGRAM INFORMATION

TECHNOLOGY	8:00 AM – 9:30 AM	10:30 AM – 12:00 PM	1:00 PM – 2:30 PM	3:30 PM – 5:00 PM
<b>AUTOMATION/ROBOTICS</b>	<b>NEW!</b> ■ <b>F203:</b> Optimize Your Automation Joining Process <b>Room S405A</b>			
<b>FINISHING</b>	<b>NEW!</b> ■ <b>C200:</b> Powder Coating 101 Workshop in Spanish - Básicos del Recubrimiento en Polvo 101 Taller en Español - Day 2 (8:00 AM - 12:00 PM) <b>Room E271B</b>			
<b>FORMING &amp; FABRICATING</b>	<b>NEW!</b> ■ <b>F403:</b> Form Tapping <b>Room S403B</b>	<b>NEW!</b> ■ <b>F404:</b> Combination Hybrids - An Arranged Marriage by Manufacturers <b>Room S403B</b>		
<b>SMART MANUFACTURING</b>	<b>NEW!</b> ■ <b>F903:</b> The Promise of Industry 4.0 & Lean Management <b>Room S404D</b>	<b>NEW!</b> ■ <b>F904:</b> Driving Change with Your Data & Implementing an Industry 4.0 Strategy <b>Room S404D</b>		
<b>WELDING SESSIONS</b>	<b>W9:</b> Weld Cracking - <b>Room N230AB</b>			<b>8:00 AM - 11:00 AM</b>
	<b>W10:</b> ASME Codes and Standards Update - <b>Room N231</b>			<b>8:00 AM - 11:00 AM</b>



Schedule subject to change. Detailed Conference Program session descriptions, speakers, pricing, room locations and more can be found at [fabtechexpo.com/conference](http://fabtechexpo.com/conference).

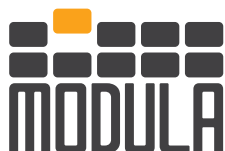
## EXPERIENCE LEVELS

Use this key along with the Schedule-at-a-Glance to find the education level that meets your needs.

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

## CONFERENCE TRACK SPONSORS:

AUTOMATION/ROBOTICS



SMART MANUFACTURING



# SPECIAL EVENTS

There are a lot of great events happening this year at FABTECH. You won't want to miss the keynotes, expert panel discussions, 3D/Additive Manufacturing Showcase, and much more. *All events are free and open to all attendees.*

## MONDAY, SEPTEMBER 13

**KEYNOTE PRESENTATION | 8:30 AM - 9:30 AM | Lakeside Center Ballroom**

### FABx TECH TALKS

This year's FABx will feature a powerful lineup of visionary leaders who are transforming the future of manufacturing. These manufacturers are increasingly integrating technologies like automation, artificial intelligence/AI, and data analytics into all aspects of how they operate, from the production floor to the supply chain. Hear how these leaders stay competitive in this ever-changing tech world.

#### FABx SPEAKERS:



**David Ankin**  
CEO, ToyMakerz, Inc.



**Anna V. O'Brien**  
Smart Manufacturing  
Leader, Panasonic



**Keith Otterstatter**  
Director of Operations,  
Polaris Inc.



**Scott Sawyer**  
Co-Founder & CTO  
Paperless Parts, Inc.



**Jon Sobel**  
Co-Founder,  
CEO Sight Machine

**LEADERSHIP EXCHANGE | 12:30 PM - 1:30 PM | Lakeside Center Ballroom**

### EXPLORE THE FUTURE OF ADVANCED MANUFACTURING

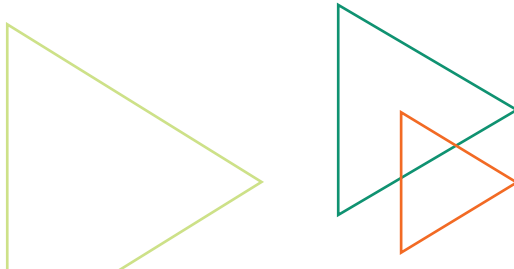
Advanced manufacturing is transforming the landscape of how we operate daily. Listen to our panel of experts to hear how other organizations are using advanced manufacturing for technology adoption in both products and processes and how to use that technology to remain competitive.

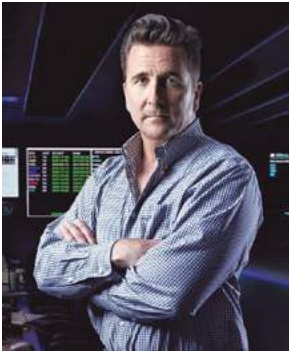


**MODERATOR:**  
**Dave O'Neil**  
Vice President,  
SME Media

#### PANELISTS:

- Anna V. O'Brien**, Smart Manufacturing Leader, Panasonic
- Keith Otterstatter**, Director of Operations, Polaris Industries Inc.
- Scott Sawyer**, Co-Founder & CTO, Paperless Parts, Inc.
- Jon Sobel**, Co-Founder, CEO, Sight Machine



**TUESDAY, SEPTEMBER 14****KEYNOTE PRESENTATION | 8:30 AM - 9:30 AM | Lakeside Center Ballroom**

## **ADAM STELTZNER, Leader & Chief Engineer, NASA Mars 2020 Mission, Rover Perseverance**

### **Into the Unknown: How Leadership, Ingenuity, and Perseverance Put a Rover on Mars**

Only Adam Steltzner and his talented team at Jet Propulsion Lab could follow their “Curiosity” rover success with the stunning Mars 2020 mission to land the rover “Perseverance” on the red planet. The magnificent landing on Mars on February 18, 2021 was akin to hurling a dart from New York City to land in a 5-foot circle in Washington DC.

The successful mission stands as an extraordinary leadership accomplishment in the midst of a global pandemic. In his exhilarating keynote, full of fascinating anecdotes and breathtaking images, Steltzner shares his own innovation challenges, leadership struggles, and flawless execution. Most importantly, he shows how you can overcome daunting obstacles in times of uncertainty and change.

**LEADERSHIP EXCHANGE | 12:30 PM - 1:30 PM | Lakeside Center Ballroom**

## **STATE OF THE INDUSTRY: Navigating into 2022**

The manufacturing industry is in a constant state of transformation. Manufacturers are faced with pressing questions as they strive to meet needs in supply, labor, and new technologies. What does future steel-making capacity look like in North America? What can shops do to maintain material inventories and minimize risk? How can manufacturers streamline quoting activities, eliminate redundancies and manual intervention when it comes to front office activities and shop floor production? How can automation help increase or save jobs? Our panel of experts will focus on addressing these questions and more as we look ahead to 2022.



**MODERATOR:**  
**Dan Davis**  
Editor-in-Chief,  
*The FABRICATOR*®



**Todd Ludlow**  
President, Ludlow  
Manufacturing



**Adria Haines**  
Regional Head of  
Smart Factory  
Solutions, Bystronic



**Bryan Tice**  
Senior Partner, Metal  
Edge Partners LLC

**WEDNESDAY, SEPTEMBER 15**

**KEYNOTE PRESENTATION | 8:30 AM - 9:30 AM | Lakeside Center Ballroom**

**DAVID ANKIN, CEO of ToyMakerz, Inc.**



**Designing to the Extreme**

David Ankin is a hands-on entrepreneur, former stunt man, motorcycle racer, and custom motor vehicle fabricator that specializes in one-off custom builds & OEM enhancements for anything with wheels. As the owner of the shop Toymakerz, Ankin is living his dream creating everything from monster trucks to race cars on his TV show of the same name, ToyMakerz. The series follows his team as they bring unrivaled ingenuity and a unique skill set to motorized builds for a wide array of customers. On stage, Dave will share his secrets to success as a leader in the fabrication business and how his father has been his biggest inspiration.

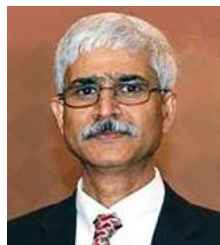
**LEADERSHIP EXCHANGE | 12:30 PM - 1:30 PM | Lakeside Center Ballroom**

**WHY CAN'T THEY JUST WORK TOGETHER? Importance of Mobile Robot and Standard Robot Interoperability to Increase Adoption**

As anyone who has ever designed, built, or deployed robots can tell you - no one robot can do it all. As demand grows for automation, companies are increasingly requiring robots for specialized tasks within logistics and manufacturing applications. It is therefore imperative that robots and mobile robots seamlessly work well together. Thankfully, there are several organizations within the robotics and automation communities working hard to create technology, standards, and best practices to address this.



**MODERATOR:**  
**Arnie Kravitz**  
Chief Technology Officer, ARM Institute



**Samir Patel**, Senior Director of Robotics Engineering- Kawasaki Robotics (USA), Inc.



**Aaron Prather**  
Senior Advisor- Technology Research & Planning, FedEx



**Jason Walker**, CEO & Co-Founder, Waypoint Robotics



**Ben Waters**, CEO & Co-Founder, Wibotic



## THURSDAY, SEPTEMBER 16

KEYNOTE PRESENTATION | 8:30 AM - 9:30 AM | Lakeside Center Ballroom

**ADAM GENEI, Owner of Mobsteel and Detroit Steel Wheel Co.**

### The Greatest Machines Ever Made: Cultivating the Next Generation of American Workers

Adam will discuss his workforce development formula, which has created a positive, invested, and competitive team, embodying the “out work everyone” attitude. His talk aims to prepare our next generation of workforce for navigating their way through our trades and businesses. Focusing on character, work ethic, and long-term thinking, Adam will share the milestones and learning moments he has experienced while building his worldwide brands Mobsteel and Detroit Steel Wheel Co.

LEADERSHIP EXCHANGE | 11:00 AM - 12:00 PM | Lakeside Center Ballroom

### ATTRACTING & PREPARING THE NEXT GENERATION OF MANUFACTURING TALENT

The skills gap could lead to a shortage of as many as 2.4 million manufacturing workers in the next decade. How do we get involved and share awareness to encourage the next generation to pursue manufacturing careers? This panel of experts will share how to engage, inspire, and prepare the next generation of manufacturing workforce.



**MODERATOR:**  
**Sheila LaMothe**  
Executive Director,  
CCAI Finishing  
Education Foundation



**Ed Dernulc**  
Director -  
Foundation, FMA



**Nichol Lopriore**  
Executive Director,  
PMA Education  
Foundation



**Rob Luce**  
Vice President, SME  
Education Foundation



**Monica Pfarr**  
Executive Director,  
AWS Foundation

## MONDAY, SEPTEMBER 13 - WEDNESDAY, SEPTEMBER 15

### 3D/ADDITIVE MANUFACTURING SHOWCASE: Booth A1220

This year, FABTECH features a presentation showcase in the 3D/Additive Manufacturing Pavilion to provide access to information on this fast-growing technology. The showcase features industry-leading companies sharing 20-minute presentations on the latest in the Additive Manufacturing community.







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ENGINEERING.**



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**Rollforming**  
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# FORWARD

## INNOVATIVE SOLUTIONS

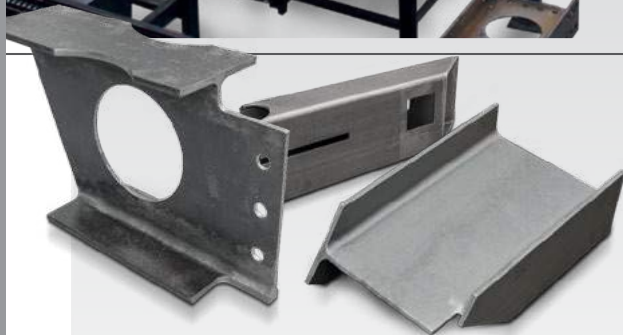
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# NEW PRODUCTS

## ADDITIVE MFG

### Essentium Booth A1414

HSE™ 280i HT 3D Printer

### Powder Motion Labs Booth A1329

PML Electroplating™ System

## ARC WELDING

### American Welding Society Booth B25008

AWS CWI 2-Week In-Person Seminar

AWS Early Career Membership

AWS Fundamentals of Welding Curriculum

AWS Professional Development Series

AWS Welding Digest

Career Readiness Online Course

### AWS Bookstore Booth B27008

D1.1/D1.1M:2020 Structural Welding Code-Steel

### Bluco Corp Booth B31050

Bluco Modular Solutions

### D/F Machine Specialties Inc Booth B21006

Water-Cooled NCC P-38 Curved Gun

### MITUSA Inc Booth B15043

MITUSALATOR Unitized Manipulator Column and Boom

### Nelson Stud Welding Inc Booth B23043

N900b FACS

### Novarc Technologies Inc Booth B23034

SWR+HyperFill®

### OTC DAIHEN Inc Booth B27021

RKX220

Welbee II

Welbee P400L

### Pador Group - Rotoweld Booth B35034

Rotoweld 3.0

### TRUMPF North America Booth A2904

TruArc Weld 1000

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### **AutoForm Engineering USA Inc** Booth D47232

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## AUTOMATION

### **3Arm America** Booth A4587

Ergonomic Lift Assist Devices

### **Amada America Inc** Booth A2104

AMS 3015 CL Automation

### **Biele S A** Booth D46843

Aluminium Packaging Line with  
Quality Control

Energy Efficient Vacuum Stacker for  
Automotive

Multimode Pusher Stacker for Laser  
Welding Lines

### **CADDIS Systems** Booth B16005

Machine Monitoring System

### **GearKo** Booth B12021

Planetary Gearbox Integrated with  
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### **Kyntronics** Booth D47252

SMART Electro-Hydraulic Actuator  
SMART Electro-Hydraulic Actuator  
with IP67 Rating

### **Modula Inc** Booth A5761

Modula Lift NG

### **Newall Electronics Inc** Booth B12020

NMS100

### **NUM AG** Booth B11029

3 Levels in CNC - Flexium+

NUMDriveX Servo Drives - Compact  
and Powerful

### **RAS Systems LLC** Booth A4950

RAS Multibend-Center

### **Taylor-Winfield Technologies** Booth B15012

InduroScan® Vertical Induction  
Scanner

Robotic Material Removal System

### **Two Technologies Inc** Booth B16008

HMIQ Automation

### **Vectis Automation** Booth B17054

Cobot Hardfacing Tool

Deployment Options for Vectis  
Systems

Vectis ArcPilot: Through-The-Arc  
Seam Tracking

Vectis HD Cobot Welding Tool -  
Water Cooled

Welder Options for Vectis Systems

## BENDING/FORMING

### **Bihler of America** Booth D47124

Bihler 4Slide-NC

### **Bradbury Group** Booth A3428

Bradbury VTR Plus™ Purlin  
Rollformer

### **Bystronic Inc** Booth A2126

Xact Smart 225 Press Brake

### **Crippa USA** Booth D45932

Tube Bending Endforming Machines  
and Work Cells

### **data M Sheet Metal Solutions** GmbH Booth A3493

Perfect Roll Forming

### **DAVI Inc** Booth A3639

iRoll eXtreme

### **Dreistern Inc** Booth A5104

DREISTERN Roll Forming 4.0

### **FACCIN USA, INC** Booth A4912

Plate Roll 4HEP Electric Model

### **Horn Machine Tools Inc** Booth D45940

Fusion

HMT

Horn Metric

### **Huth Ben Pearson International** LLC Booth D46453

2660 Fabrication Bender

### **J&S Machine Inc** Booth A3301

CLOMEA CRMX70 Bender

YLM CNC 90MSRAE Electric Bender

### **Kyntronics** Booth D47252

SMART High-Speed / High-Force  
Actuator

### **MetalForming Inc** Booth A2958

HSBM-16

### **OMCG Inc** Booth D45733

OMCG CNC20W10 2.0

### **R&M Manufacturing Co LLC** Booth A3460

Prima Power BCe Smart 2220 Panel  
Bender

### **RAS Systems LLC** Booth A4950

RAS UpDownCenter-2

RAS XLTbend

### **Safan Darley B.V.** Booth A2158

E-Brake Mini Cell

**Schwarze-Robitec GmbH**  
Booth D45943

CNC 80 E TB MR

**Scotchman Industries Inc**  
Booths A3526, A3625

PressPro Hydraulic Press

**Trilogy Machinery Inc**  
Booth A4963

SYNERGY Bending Rolls

**Ursviken Inc**  
Booth A4531

PivaBend MPB600

**VLB North America**  
Booth D46163

Angle Rolls - Section Benders | SB Series

Electric NC Tube Benders| Eco Series

Fully Electric CNC Rotative Head Tube Benders

Fully Electric CNC Tube Benders | EB Series

Pipe End Forming Machines | EF Series

**Weil Technology North America**  
Booth A3218

Multiroller Rollforming Machine

**BUSINESS SERVICES****American Welding Society**  
Booth B25008

AWS Sustaining Company Membership

Solutions Selling For Welding Online Course

**Marketing Essentials LLC**  
Booth A3555

Virtual Selling Solutions - Sales Coaching

**Perfection Global LLC**  
Booth A3306

Equipment Appraisals &amp; Free Valuations

**COIL PROCESSING****Allor Manufacturing Inc/Plesh Industries**  
Booth A3560

84" Slitting Line Leveler

Precision Tapered Backup Bearings Work Rolls

**Danobat**  
Booth A3176

X-GAP for Coil Fed Fiber Lasers Systems

**Produtech**  
Booth A3176

EffiCoil Coil Fed Fiber Laser-Punching System

**Taylor-Winfield Technologies**  
Booth B15012

Eclipse X1® Laser Welding System

**VLB North America**  
Booth D46163

Roll Forming Lines for Sheet Metal | RF Series

**CUTTING****ANDRITZ Metals USA Inc**  
Booth A3061

HXT® Knives

**ATA Tools Inc**  
Booth B20065

SGSPRO Next Generation 6

**Biele S A**  
Booth D46843

New Vision &amp; Handling Equipment for Laser Blanking

**ESCO Tool Company**  
Booth B37012

COHOG® Split-Frame Clamshell Machine

**Haberle / Ken Bergman & Associates**  
Booth A3254

Compound Cutting Saw

**HGG Profiling Equipment Inc**  
Booth B31043

ProCutter 90ORB







## CUTTING

**Julia USA**  
Booth D46568

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**Kjellberg Cutting, Inc.**  
Booth A4586

Q-Series High Definition Plasma  
Cutting

**LENOX®**  
Booth A3543

GEN-TECH

**LINSINGER**  
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RAPTOR - Hydraulic-Free into a  
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**MultiCam Inc**  
Booth A4502

APEX5R CNC Router  
ARCOS Plasma with 5 Axis Bevel

**NUM AG**  
Booth B11029

Complete Cutting CNC Solution -  
NUMcut

**Park Industries**  
Booth A5912

KANO HD CNC Thermal Cutting  
Machines

**Remgrit Carbide Grit Cutting  
Tools**  
Booth A5123

BLU-MOL XTREME Quickcore  
Holesaw System

**Simonds Saw LLC**  
Booth A3536

SBX GP

**TECOI**  
Booth A4973

THOR

**Tru-Cut Saw Inc**  
Booth D46456, A3363

Genesis X300JKO Saw Blade

**Vectis Automation**  
Booth B17054

Cobot Cutting Tool

**Weil Technology North America**  
Booth A3218

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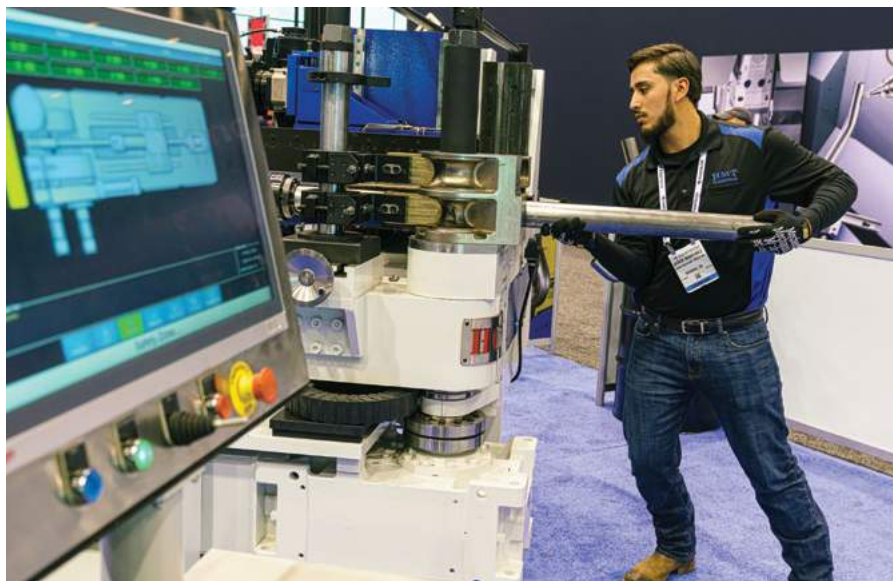
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Specializing in close tolerance aerospace and defense work, General A&E is a precision sheet metal fabricator that's headquartered in Hackensack, NJ. Since 1954, the family-owned business has thrived by exceeding customer expectations. Based on its partnership with AMADA and a steadfast commitment to quality and customer service, General A&E has achieved approximately 43% growth in the last 5 years. According to company president, John Baker, *"Within the last two years, we've experienced substantial growth in our aerospace business and a greater demand for high-mix, low-volume jobs. To better serve existing customers, and improve response to ever-increasing demands for quicker changeover speeds, we needed to upgrade our bending technology."*

The upgrade came in the form of AMADA's latest generation press brake equipped with a patented Automatic Tool Changer (ATC) — which enables General A&E to achieve even the most complex tool setups in 4 minutes or less. Productivity is further enhanced by an AMNC 3i intelligent control featuring a user-friendly graphical interface that displays bend results before processing.

**HRB 1003 ATC:** Baker reflects on a new level of manufacturing flexibility the HRB ATC provides. *"We can now easily and quickly switch from production to rush jobs. For example, our operator can be running a job that consists of 100 pieces and requires a complicated setup. Then, someone comes in from the office and says 'I just spoke with one of our customers and we need to get these other parts out of here'. We can change from one job to another in about a minute and a half. On a conventional press brake, that would take half an hour to an hour, if not longer. That kind of speed and flexibility has provided tremendous value."*

Commenting on his partnership with AMADA, Baker adds, *"For over 40 years, General A&E has relied on AMADA to provide optimal solutions to meet our evolving manufacturing challenges. We will continue to invest in AMADA technology for years to come."*

**"The HRB ATC ensures repeatable precision and has reduced our setup times by over 70%."**

— John Baker  
President

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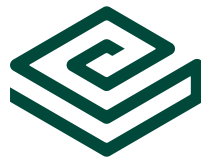
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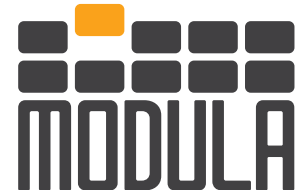
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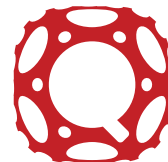
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**Waldemar Design & Machine LLC**  
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Fabricating or Welding

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washingtonmillsceramics.com  
Additive Manufacturing/3D Printing/Rapid  
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Manufacturing

**Watts Mueller**  
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ph: 419-337-0940 | wauseonmachine.com  
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ph: 330-225-7761 | webb-stiles.com  
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 **Weil Technology North America**  
**Booth A3218**

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 Equipment/Parts/Products, Saws & Cut-off  
 Machines, Stamping, Tube & Pipe Fabricating or  
 Welding, Welding Machines/Equipment

**Weiler Abrasives**  
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ph: 800-835-9999 | weilerabrasives.com  
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**Weld Metals Online**  
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ph: 702-583-4078 | weldmetalsoonline.com  
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 Consumables, Welding Machines/Equipment

**Weld Pride USA LLC**  
**Booth B33048**

ph: 630-656-2716 | weldpride.com  
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**Weldas Co LLC**  
**Booth B27071**

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 Equipment


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 Resistance Welding, Welding Machines/  
 Equipment

**Weldcote Metals**  
**Booth B20036**

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 Machines/Equipment

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**Welder Training & Testing Institute**  
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ph: 610-820-9551 | wtti.com  
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**Booth B15053**

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 Marking, Stamping

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**Booth A3590**

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**Booth A5179**

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**Wendt USA LLC**  
**Booth B37056**

ph: 716-972-0333 | wendtusa.com  
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 Parts/Products, Tooling

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**Booth D45137**

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**Booth A3101**

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 Prototyping, Material Handling/Marking, Tooling


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**Booth D47335**

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**Booth D46273**

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**Booth B34032**

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 Prototyping

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**Booth B34032**

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 wurthindustry.com/construction  
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 Prototyping, Business Services

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 Die, Waterjet, Welding Machines/Equipment

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Booth A5854

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Booth B17040

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Inspection & Testing

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Booth A3474

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**Yaskawa Motoman Robotics**  
Booth B20034

ph: 937-847-6200 | motoman.com  
Business Services, Robotics

**YESTOOL/Aloris USA**  
Booth A3240

ph: 973-772-1201 | aloris.com

**YLM USA Inc**  
Booth D45723

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**Zerust Corrosion Solutions**  
Booth D47552

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**Zipp Air Tool**  
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KEBA Corp	B12017
<b>Lasermet Inc</b>	<b>B18058</b>
<b>MITUSA Inc.</b>	<b>B15043</b>
<b>NUM AG</b>	<b>B11029</b>
Two Technologies Inc	B16008
<b>Universal Tube &amp; Rollform Equipment Co</b>	<b>D46361</b>

**AUTOMATION - END OF ARM  
TOOLING**

ACCUFACTURE LLC	B12036
Applied Robotics Inc	B18008
Festo Corp	B11041
NB Corporation of America	B12048

**AUTOMATION - GRIPPERS**

Applied Robotics Inc	B18008
Festo Corp	B11041

**AUTOMATION - IDENTIFICATION  
AND DATA COLLECTING/RFID**

Pepperl+Fuchs Inc	B11026
TURCK Inc	B13030

**AUTOMATION - LIGHTING  
EQUIPMENT**

LDPI Inc	D45533
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**AUTOMATION - MACHINE  
SPINDLES**

NB Corporation of America	B12048
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**AUTOMATION - METROLOGY  
EQUIPMENT**

Keyence Corp of America	A1246
Newall Electronics Inc.	B12020
Verisurf Software Inc.	A1211

**AUTOMATION - MOTION  
CONTROL EQUIPMENT**

<b>Automec Inc.</b>	<b>A3262</b>
Bishop-Wisecarver	B12019
GAM Enterprises	B12046
GearKo	B12021
<b>Gudel Inc</b>	<b>B27041</b>
IKO International Inc	B12031
KEBA Corp	B12017
<b>Kyntronics</b>	<b>D47252</b>
NB Corporation of America	B12048
<b>NUM AG</b>	<b>B11029</b>
TURCK Inc	B13030
Two Technologies Inc	B16008

**AUTOMATION - MOTORS**

GearKo	B12021
JIE USA Inc.	A5852
<b>NUM AG</b>	<b>B11029</b>

**AUTOMATION - SENSORS AND  
SENSOR INTEGRATED SYSTEMS**

<b>Lasermet Inc</b>	<b>B18058</b>
<b>LestaUSA</b>	<b>D45368</b>
Newall Electronics Inc.	B12020
Pepperl+Fuchs Inc	B11026
TR Electronic	B11043
TURCK Inc	B13030

**AUTOMATION - SYSTEMS  
INTEGRATION**

<b>Air and Liquid Systems Inc.</b>	<b>D45057</b>
<b>Automated Fabrication Systems.</b>	<b>A3176</b>
<b>Fehr Warehouse Solutions Inc</b>	<b>A5007</b>
Festo Corp	B11041
<b>Gudel Inc</b>	<b>B27041</b>
JIER North America	D47135
<b>LestaUSA</b>	<b>D45368</b>
<b>MITUSA Inc.</b>	<b>B15043</b>
MJC Engineering & Technology Inc	D47148
<b>Muratec</b>	<b>A4901</b>
New Forge LLC	B12035
<b>Pacific Press Technologies.</b>	<b>A3426</b>
Sigma DT Robotics	B17026

**AUTOMATION - VIRTUAL REALITY**

FabStation by Eterio Realities	A5173
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**BAR FABRICATING MACHINES**

<b>ASC Machine Tools</b>	<b>A3462</b>
Bendmak Machinery	A5738
<b>Boschert Precision Machinery Inc</b>	<b>A5716</b>
<b>Ehrt North America.</b>	<b>A3187</b>

**BELLOWS, METAL**

<b>Dynatect Manufacturing Inc.</b>	<b>A3435</b>
<b>MITUSA Inc.</b>	<b>B15043</b>
<b>Power Solutions Pro.</b>	<b>A5146</b>
<b>Weil Technology North America</b>	<b>A3218</b>

**BEVELING MACHINES**

ArcBoss	B22072
<b>AXXAIR USA</b>	<b>B15019</b>
Beveler USA Inc	B27049
Center for Naval Metalworking (CNM)	B18006
Copier Inc	D46271
ESCO Tool Company	B37012
Exact Pipe Tools Inc	A4489
GFU- Maschinenbau Tube End Forming Machines	D46364
Gullco International Inc	B33025
Heck Industries	A5131
LINSINGER	A5568
Manufacturing Solutions Industries Inc	B37026
Mathey, B&B Pipe, PPM, Fit-Up Pro, TAG Pipe	B23045
Metabo Power Tools	B29059
<b>MetalFinish LLC</b>	<b>A3132</b>
<b>Revolution Machine Tools.</b>	<b>A2988</b>
RIDGID	B17062
SEC Industrial	B23049
ShopData Systems Inc	A3479
<b>Steelmax Tools</b>	<b>B33041</b>
Vessel/SP Air	B25057

**BLANKING**

<b>Amada Press System America</b>	<b>D46735</b>
<b>ART Metals Group.</b>	<b>D47152</b>
AutoForm Engineering USA Inc	D47232
<b>Automated Fabrication Systems.</b>	<b>A3176</b>
BCN Technical Services Inc	D47155
<b>Biele S A.</b>	<b>D46843</b>
DREHER Automation	D47323
DTC Products Inc	D47141
JIER North America	D47135
JK Prototype Inc	D46665
<b>Multipress Inc</b>	<b>D46727</b>
Overton Industries Tool & Die	D47151
RDI Laser Blanking Systems	A3350
Schuler Inc	D46935
<b>SIMPAC America Co Ltd</b>	<b>D46931</b>
Unico Inc	D47424

**BLASTING EQUIPMENT & MEDIA**

AFC Finishing Systems/Airblast AFC	D45558
Arrow Cryogenics Inc	D45126
Blastec Inc	A3514
BlastOne	B13041, D45134
Cool Clean Technologies LLC	D45265
Ervin Industries	D45037
Frohn North America	D45047
Goff Inc.	D45555
IST International Surface Technologies	D45030
<b>LPI Lift Systems</b>	<b>D45543</b>
LS Industries Inc	D45151



### BLASTING EQUIPMENT & MEDIA

Pangborn LLC . . . . .	D45381
Patriot Powder Coating . . . . .	D45385
Transmet Corp . . . . .	D45556
Venjakob North America Inc. . . . .	D45748
Viking Blast and Wash Systems. . . . .	A5150
Vulkan Blast Shot Technology. . . . .	D45563
W Abrasives . . . . .	D45756
Washington Mills Ceramics. . . . .	D45753
Wheelabrator Group . . . . .	D45137

### BORE WELDING MACHINES & COMPONENTS

Astro Arc Polysoude Inc . . . . .	B27056
BUG-O SYSTEMS . . . . .	B15023
SEC Industrial . . . . .	B23049
Wurth Van Horn. . . . .	B34032

### BRAZING & SOLDERING EQUIPMENT

Ambrell Induction Heating Solutions . . . . .	B24006
Cambridge Vacuum Engineering . . . . .	B25062
CEIA USA Induction Heating Systems. . . . .	B16061
eldec LLC . . . . .	B15050
Flame Tech . . . . .	B22053
Fusion Inc. . . . .	B15047
GH Induction Atmospheres LLC. . . . .	B15059
Goss Inc . . . . .	B16055
Induction Innovations Inc . . . . .	B28065
Koike Aronson Inc . . . . .	B17016
Radyne Corp. . . . .	B22065
Taylor-Winfield Technologies . . . . .	B15012
Uniweld Products Inc . . . . .	B29076

### BRAZING ALLOYS

Aimtek Inc . . . . .	B18065
Fusion Inc. . . . .	B15047
Surface Engineering Alloy Co . . . . .	B36015
Surface Flow Technologies Inc/LSN Diffusion Ltd . . . . .	B22056
United Aluminum Corp . . . . .	D46938

### BRUSHES - DEBURRING & POLISHING

Apex Machine Group. . . . .	A5368
ATA Tools Inc. . . . .	B20065
boeck GmbH. . . . .	A3277
CGW Abrasives . . . . .	B31017
Continental Abrasives . . . . .	B17066
FINISHLINE . . . . .	A3187
Fladder. . . . .	A3314
Flexovit USA Inc . . . . .	B35031
Hangzhou Xiangsheng Abrasive Machine Manufacturing Co Ltd (Jonsen Sander) . . . . .	A3386
Kent Corporation . . . . .	D45946
MetalFinish LLC . . . . .	A3132
Ming Ping Machinery Co Ltd . . . . .	A3173
MITUSA Inc. . . . .	B15043
Norton Abrasives. . . . .	B35054
sia Abrasives . . . . .	B35015
Stanza Machinery . . . . .	A3162
Timesavers LLC . . . . .	A3114
United Abrasives Inc /SAIT . . . . .	B31041
Weiler Abrasives . . . . .	B28069
World Machinery & Saw Inc . . . . .	D46273

### BUSHINGS

Agathon Machine Tools Inc . . . . .	D47441
Carr Lane Manufacturing Co . . . . .	B23054
DTC Products Inc . . . . .	D47141
Fibro Inc . . . . .	D47146
Impax Tooling Solutions . . . . .	D46952
PUNCH INDUSTRY USA INC . . . . .	D47546
SelfLube . . . . .	D47341
STEINEL Normalien AG . . . . .	D47355

### CAD/DRAFTING SERVICES

Cameron Manufacturing & Design . . . . .	A3377
GIZA Steel. . . . .	A5178
iSS . . . . .	A5026
Wurth Construction Services. . . . .	B34032

### CARRIERS/REELS - CABLE HOSE/ WELDING WIRE

Coxreels . . . . .	B25055
Vidir Solutions. . . . .	B13026

### CARTS

Amigo Mobility International Inc . . . . .	A5840
DuBois Chemicals Inc . . . . .	D45532
Ergotronix. . . . .	A5056
Green Valley Manufacturing Inc. . . . .	D46655
Hamilton Caster & Mfg Co. . . . .	A3193
Mighty Hook Inc . . . . .	D45643
Philpott/Lankhorst. . . . .	A3520
Pioneer IWS . . . . .	B33062
Sumner A Southwire Company. . . . .	B37024
Waypoint Robotics Inc . . . . .	B12024

### CARTS AND PAINTING FOR POWDER COATING

Combustion and Systems Inc. . . . .	D45036
Mighty Hook Inc. . . . .	D45643

### CASTERS, WHEELS AND GLIDES

Carr Lane Manufacturing Co. . . . .	B23054
Hamilton Caster & Mfg Co. . . . .	A3193

### CASTINGS

LeClaire Manufacturing. . . . .	A3306
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### CERTIFICATION, CAREER DEVELOPMENT

American Welding Society . . . . .	B25008
AWS Bookstore. . . . .	B27008
AWS Careers in Welding Trailer . . . . .	B20084

### CHILLERS - CUTTING

Chase Cooling Systems . . . . .	A3556
Ebbco Inc . . . . .	A5158
Jet Edge. . . . .	A4562
MTA-USA LLC . . . . .	B37058
Nano Purification Solutions. . . . .	A5038

### CHILLERS - FINISHING

Chase Cooling Systems . . . . .	A3556
MTA-USA LLC . . . . .	B37058
Orion Machinery North America . . . . .	A5156

### CHILLERS - OTHER

Chase Cooling Systems . . . . .	A3556
MTA-USA LLC. . . . .	B37058
Orion Machinery North America . . . . .	A5156
SMC Corporation of America . . . . .	B13050
T. J. Snow Company . . . . .	B28012

### CHILLERS - THERMAL SPRAY

Chase Cooling Systems . . . . .	A3556
Nano Purification Solutions. . . . .	A5038
Orion Machinery North America . . . . .	A5156

### CHILLERS - WELDING

Chase Cooling Systems . . . . .	A3556
MTA-USA LLC. . . . .	B37058
Nano Purification Solutions . . . . .	A5038
Orion Machinery North America . . . . .	A5156
T. J. Snow Company . . . . .	B28012

### CLAMPS/HOLDERS/JIGS/VISES

Carr Lane Manufacturing Co . . . . .	B23054
EAS Mold & Die Change Systems Inc . . . . .	D46861
Industrial Magnetics Inc. . . . .	A4555
Kipp Inc . . . . .	A5004
Kosmek USA. . . . .	B11038
Mathey, B&B Pipe, PPM, Fit-Up Pro, TAG Pipe . . . . .	B23045
Pioneer IWS . . . . .	B33062
Strong Hand Tools . . . . .	B35026
Sumner A Southwire Company. . . . .	B37024
Urrea Professional Tools. . . . .	B25065
Weldsale LLC . . . . .	B27076
Welker Engineered Products. . . . .	B15053

### CLEANERS/WIPES

Kyzen Corporation. . . . .	D45263
Rust Release (Safe Industrial Rust Remover) . . . . .	D46373
US Lubricants . . . . .	D46340

### CLEANING & DEGREASING COMPOUNDS

ADF Systems Ltd . . . . .	D45771
Alconox. . . . .	D45864
Almco Inc . . . . .	D46338
Bradford Derustit Corp . . . . .	B27011
DuBois Chemicals Inc . . . . .	D45532
Kyzen Corporation. . . . .	D45263
Metalloid Corporation . . . . .	D46352, D46943
Pangborn LLC. . . . .	D45381
Rust Release (Safe Industrial Rust Remover) . . . . .	D46373
Tower Metalworking Fluids . . . . .	D47127
Troy Chemical. . . . .	D45685
Vulkan Blast Shot Technology. . . . .	D45563

### CLEANING & DEGREASING EQUIPMENT

ADF Systems Ltd . . . . .	D45771
Alconox. . . . .	D45864
Alliance Manufacturing Inc . . . . .	D45626
Almco Inc . . . . .	D46338
Arnold Machine Inc Automation/FMT Parts Washers . . . . .	D45268
Capital Weld Cleaners. . . . .	B35021

<b>Combustion and Systems Inc.</b> . . . . .	D45036
Cool Clean Technologies LLC . . . . .	D45265
CPR Systems . . . . .	D45764
Dinamex Systems . . . . .	D45651
<b>GAT Finishing Systems.</b> . . . . .	D45340
Goff Inc. . . . .	D45555
<b>IPG Photonics.</b> . . . . .	B27038
IST International Surface Technologies . . . . .	D45030
LS Industries Inc. . . . .	D45151
<b>Nutro Inc.</b> . . . . .	D45748
Riveer. . . . .	D45163
TIG Brush . . . . .	B20008
<b>Trimac Industrial Systems.</b> . . . . .	D45224
<b>Venjakob North America Inc.</b> . . . . .	D45748
Viking Blast and Wash Systems. . . . .	A5150

## CLEANING & PHOSPHATIZING EQUIPMENT

ADF Systems Ltd . . . . .	D45771
Alconox. . . . .	D45864
Amiberica Inc . . . . .	D45568
Arnold Machine Inc Automation/FMT Parts Washers . . . . .	D45268
<b>Combustion and Systems Inc.</b> . . . . .	D45036
CPR Systems . . . . .	D45764
<b>GAT Finishing Systems.</b> . . . . .	D45340
HERR Industrial Inc. . . . .	D45175
PEM Inc . . . . .	D45571
Riveer. . . . .	D45163
System Technologies . . . . .	D45161
<b>Trimac Industrial Systems.</b> . . . . .	D45224

## CLUTCHES/BRAKES & FRICTION MATERIAL

<b>Dynatect Manufacturing Inc.</b> . . . . .	A3435
Orttech Inc . . . . .	D47333
Torque Technologies/Goizper. . . . .	D47240

## CNC MACHINING

Ajan Elektronik Servis Sanayi Ve Ticaret Ltd St . . . . .	A4514
<b>XYZ Routers.</b> . . . . .	A5350
Cleveland Steel Tool Co. . . . .	A3532
CMS North America Inc. . . . .	A5755
Diversified Transportation Services . . . . .	D46947
Emmegi USA Inc. . . . .	A5127
FANUC America Corp. . . . .	B23022, D45535
Flex Machine Tools . . . . .	A5160
IKO International Inc . . . . .	B12031
<b>Jet Edge.</b> . . . . .	A4562
KD Capital Equipment LLC . . . . .	A3375
LeClaire Manufacturing. . . . .	A3306
Leifeld Metal Spinning GmbH . . . . .	D46756
<b>MachineTools.com.</b> . . . . .	A3388
<b>Master Roll Manufacturing.</b> . . . . .	A3273
<b>MultiCam Inc.</b> . . . . .	A4502
<b>Muratec.</b> . . . . .	A4901
Nabtesco . . . . .	B11015
<b>Ocean Machinery Inc.</b> . . . . .	A4943
Peddinghaus Corporation . . . . .	A1452, A2163
Perfection Global LLC . . . . .	A3306
PRD Company/Cagil Makina . . . . .	D46556
SelfLube . . . . .	D47341
ShopBot Tools Inc . . . . .	A3584
VOLLMER of America . . . . .	D46466
WARDJet Waterjets. . . . .	A5350

YLM USA Inc. . . . .	D45723
Zund America . . . . .	A3332

## COATING EQUIPMENT

<b>AIS Finishing Systems.</b> . . . . .	D45256
Arnold Machine Inc Automation/FMT Parts Washers . . . . .	D45268
<b>B.L. Downey Company LLC.</b> . . . . .	D45141
<b>Carlisle Fluid Technologies.</b> . . . . .	D45347
<b>Combustion and Systems Inc.</b> . . . . .	D45036
Decoral System USA Corp. . . . .	D45249
<b>Dürr Systems, Inc.</b> . . . . .	D45343
Gema USA Inc . . . . .	D45337
<b>George Koch Sons LLC.</b> . . . . .	D45522
Henkel Corp . . . . .	D45549
IntelliFinishing. . . . .	D45540
<b>LestaUSA.</b> . . . . .	D45368
Nordson Corp . . . . .	D45325
<b>Nutro Inc.</b> . . . . .	D45748
PRD Company/Cagil Makina . . . . .	D46556
Scientific Industrial Nano Engineering - SINE . . . . .	D45851
Sherwin-Williams . . . . .	D45524
Sistem Teknik Makina San Ve Tic AS (Electron) . . . . .	D45045
Spraying Systems Co . . . . .	A5842
Sprimag Inc . . . . .	D45063
Stanza Machinery . . . . .	A3162
<b>Therma-Tron-X Inc.</b> . . . . .	D45351
VaporTech. . . . .	D45853
<b>Venjakob North America Inc.</b> . . . . .	D45748
Wagner Industrial Inc . . . . .	D45147

## COATINGS (CONSUMABLE)

Carbit Paint Co . . . . .	D45124
<b>Combustion and Systems Inc.</b> . . . . .	D45036
<b>Fortech Products Inc.</b> . . . . .	D47451
Klinger Paint Co . . . . .	D45055
<b>LINE-X Industrial Coatings.</b> . . . . .	D45143
Mankiewicz Coatings . . . . .	D45135
Patriot Metal Finishing . . . . .	D45485
Patriot Powder Coating . . . . .	D45385
PPG . . . . .	D45132
<b>Quaker Houghton.</b> . . . . .	D45762
Tru-Cut Saw Inc . . . . .	A3363, D46456
W Abrasives . . . . .	D45756

## COIL CARS & CRADLES

<b>Amada Press System America.</b> . . . . .	D46735
<b>Bradbury Group.</b> . . . . .	A3428
Chicago Slitter . . . . .	A3350
COE Press Equipment Corporation . . . . .	D46924
Colt Automation LTD . . . . .	D47327
Dexco Structural Racking Systems . . . . .	D47052
Green Valley Manufacturing Inc. . . . .	D46655
Philpott/Lankhorst. . . . .	A3520
Polyurethane Products Corp . . . . .	A3076
Press Room Equipment Co . . . . .	D46651

## COIL CUT-TO-LENGTH

<b>Allor Manufacturing Inc/Plesh Industries.</b> . . . . .	A3560
<b>ANDRITZ Metals USA Inc.</b> . . . . .	A3061
<b>ARKU Inc.</b> . . . . .	A5538
<b>ASC Machine Tools.</b> . . . . .	A3462
<b>Automated Fabrication Systems.</b> . . . . .	A3176
<b>Biele S A.</b> . . . . .	D46843
<b>Bradbury Group.</b> . . . . .	A3428

Braner USA Inc. . . . .	A5036
Butech Bliss . . . . .	A3510
Chicago Slitter . . . . .	A3350
CIDAN Machinery Inc . . . . .	A4936
Clayton Metals . . . . .	D47536
COE Press Equipment Corporation . . . . .	D46924
Danobat . . . . .	A3176
Dimeco . . . . .	A3093
DREHER Automation . . . . .	D47323
Galaxie Corporation. . . . .	D46551
JIER North America . . . . .	D47135
<b>KOHLER Maschinenbau GmbH.</b> . . . . .	A3132
Metform International Ltd . . . . .	A3546
<b>Pivatic.</b> . . . . .	A4531
Press Room Equipment Co . . . . .	D46651
Produtech. . . . .	A3176
Red Bud Industries . . . . .	A3669
<b>SIMPAC America Co Ltd.</b> . . . . .	D46931
STAM SpA. . . . .	A5023
Unico Inc . . . . .	D47424
Vicon Machinery LLC . . . . .	B31038
<b>VLB North America.</b> . . . . .	D46163
VX-LLC . . . . .	A3197

## COIL END JOINING EQUIPMENT

<b>ASMAG USA Inc.</b> . . . . .	D46448
<b>DieTronic.</b> . . . . .	D46949
Guild International. . . . .	D46567
IDEAL . . . . .	B35012
<b>Kent Corporation.</b> . . . . .	D45946
<b>Taylor-Winfield Technologies.</b> . . . . .	B15012

## COIL FEED LINE

Alma Machinery Co. . . . .	D47528
<b>Amada Press System America.</b> . . . . .	D46735
<b>ARKU Inc.</b> . . . . .	A5538
<b>Automated Fabrication Systems.</b> . . . . .	A3176
Chicago Slitter . . . . .	A3350
COE Press Equipment Corporation . . . . .	D46924
Colt Automation LTD . . . . .	D47327
Danobat . . . . .	A3176
DREHER Automation . . . . .	D47323
<b>KOHLER Maschinenbau GmbH.</b> . . . . .	A3132
Press Room Equipment Co . . . . .	D46651
<b>SIMPAC America Co Ltd.</b> . . . . .	D46931
<b>VLB North America.</b> . . . . .	D46163

## COIL LEVELING EQUIPMENT

<b>Allor Manufacturing Inc/Plesh Industries.</b> . . . . .	A3560
<b>Amada Press System America.</b> . . . . .	D46735
<b>ANDRITZ Metals USA Inc.</b> . . . . .	A3061
<b>ARKU Inc.</b> . . . . .	A5538
<b>Bradbury Group.</b> . . . . .	A3428
Braner USA Inc. . . . .	A5036
Butech Bliss . . . . .	A3510
Chicago Slitter . . . . .	A3350
Galaxie Corporation. . . . .	D46551
<b>KOHLER Maschinenbau GmbH.</b> . . . . .	A3132
Machine Concepts Inc. . . . .	D46954
<b>Master Roll Manufacturing.</b> . . . . .	A3273
Red Bud Industries . . . . .	A3669
STAM SpA. . . . .	A5023
VX-LLC . . . . .	A3197

### COIL LIFTERS/POSITIONERS

Braner USA Inc . . . . .	A5036
<b>Dalmec Inc . . . . .</b>	<b>A3221</b>
EMH, Inc. . . . .	A3477
Ergotronix . . . . .	A5056
Green Valley Manufacturing Inc. . . . .	D46655
Permadr Industries Inc . . . . .	A3421
Presto Ecoa Lifts . . . . .	A3141

### COIL PACKAGING SYSTEMS

Allstrap Steel & Poly Strapping Systems . . . . .	A5014
<b>Biele S.A. . . . .</b>	<b>D46843</b>
Braner USA Inc . . . . .	A5036
Red Bud Industries . . . . .	A3669
Steel King Industries Inc . . . . .	A3344

### COIL PROCESSING - PROTECTORS & COVERS

Philpott/Lankhorst. . . . .	A3520
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### COIL PROCESSING - TENSION BOARDS

Armstrong Kover Kwick Inc . . . . .	A3252
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### COIL PROCESSING ACCESSORIES

<b>ANDRITZ Metals USA Inc . . . . .</b>	<b>A3061</b>
Colt Automation LTD . . . . .	D47327
Green Valley Manufacturing Inc. . . . .	D46655
Permadr Industries Inc . . . . .	A3421
Philpott/Lankhorst . . . . .	A3520
Polyurethane Products Corp . . . . .	A3076

### COIL PROCESSING ROLLS - FABRIC, URETHANE, FELT

Armstrong Kover Kwick Inc . . . . .	A3252
<b>Master Roll Manufacturing . . . . .</b>	<b>A3273</b>
Philpott/Lankhorst. . . . .	A3520

### COIL SLITTERS

<b>ANDRITZ Metals USA Inc . . . . .</b>	<b>A3061</b>
<b>Bradbury Group . . . . .</b>	<b>A3428</b>
Braner USA Inc . . . . .	A5036
Butech Bliss . . . . .	A3510
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<b>Piecsa USA LLC . . . . .</b>	<b>D46561</b>
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STAM SpA. . . . .	A5023
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<b>DieTronic . . . . .</b>	<b>D46949</b>
<b>Kent Corporation . . . . .</b>	<b>D45946</b>

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<b>Accra-Wire Controls Inc . . . . .</b>	<b>D47351</b>
Alma Machinery Co. . . . .	D47528
<b>Amada Press System America . . . . .</b>	<b>D46735</b>
<b>ANDRITZ Metals USA Inc . . . . .</b>	<b>A3061</b>
<b>ASC Machine Tools . . . . .</b>	<b>A3462</b>
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KOLEV Engineering Inc . . . . .	A5133
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<b>GAT Finishing Systems . . . . .</b>	<b>D45340</b>
<b>Horizon Performance Technologies LLC . . . . .</b>	<b>D45156</b>
<b>Midco International Inc . . . . .</b>	<b>D45754</b>
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BEKO Technologies . . . . .	D45668
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Packsize International LLC . . . . .	A4579
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Trendex Inc. . . . .	B37046

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Carbit Paint Co . . . . .	D45124
<b>Combustion and Systems Inc. . . . .</b>	<b>D45036</b>
Decoral System USA Corp. . . . .	D45249
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IPCM International Paint & Coating Magazine . . . . .	D45155
Keyland Polymer UV Powder LLC . . . . .	D45541
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Family Business USA . . . . .	A3475
Marketing Essentials LLC . . . . .	A3555
Raincatcher . . . . .	A3492
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<b>Aptean Inc . . . . .</b>	<b>A5121</b>
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Camlock Systems Inc . . . . .	A5139
<b>Lasermet Inc . . . . .</b>	<b>B18058</b>
<b>Laservision USA . . . . .</b>	<b>A3456</b>
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Atotech USA LLC . . . . .	D45565
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CPR Systems . . . . .	D45764
Henkel Corp . . . . .	D45549
Klinger Paint Co . . . . .	D45055
Tristar Coatings Ltd. . . . .	D45285
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<b>AIS Finishing Systems . . . . .</b>	<b>D45256</b>
Behringer Saws Inc. . . . .	A3150
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Therma-Tron-X Inc	.D45351

**ENVIRONMENTAL/WASTE MANAGEMENT/RECYCLING SERVICES**

Closed Loop Recycling	.A3570
MacDermid Envio Solutions (formerly known as DMP Corporation)	.D45262
Pollution Control Products Co	.D45054

**ERGONOMIC EQUIPMENT/ PRODUCTS**

3Arm America	.A4587
Allstrap Steel & Poly Strapping Systems	.A5014
ALM Positioners Inc	.B31026
Barefoot Ergonomic Flooring by Beagle I Inc.	.A5078
Gorbel Inc	.A3518
Levitite Technologies Inc	.B20055
LPI Lift Systems	.D45543

**EXOTHERMIC CUTTING MACHINES**

Slatpro LLC	.A5106
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**FASTENERS**

AKH Inc.	.B29067
Bollhoff USA	.B25053
Camlock Systems Inc	.A5139
Haeger Inc. A Pennengineering Company.	.A3108
Lenzkes Clamping Tools Inc	.D46761
Manufacturing Solutions Industries Inc	.B37026
Nelson Stud Welding Inc	.B23043
Southern Stud Weld Inc.	.B35017
Threaded Fasteners Inc.	.B36018
TRU-WELD	.B34043

**FASTENING/JOINING EQUIPMENT**

AKH Inc.	.B29067
Allstrap Steel & Poly Strapping Systems	.A5014
Ambrell Induction Heating Solutions	.B24006
Bollhoff USA	.B25053
BTM Company LLC	.A5184
CEIA USA Induction Heating Systems	.B16061
eldec LLC	.B15050
Fusion Inc.	.B15047
GH Induction Atmospheres LLC	.B15059
Haeger Inc. A Pennengineering Company.	.A3108
Henkel Corp	.D45549
Hutchison Tool	.D46653
J-Tech Design	.D47324
Michigan Pneumatic Tool Inc	.B22006
Nelson Stud Welding Inc	.B23043

Norlok Technology Inc.	.A3281
Southern Stud Weld Inc.	.B35017
TRU-WELD	.B34043
Ultralox	.D46865

**FIBER LASERS**

AdValue Photonics Inc.	.A1430
Alpha Laser US	.A3508
Amada America Inc	.A2104
American Machinery Group Llc	.A4543
Automated Fabrication Systems	.A3176
Baykal Makina	.A2967
BesCutter Inc	.A5724
BLM Group	.A2935
Boss Laser	.A4538
Bystronic Inc	.A2126
Coherent Inc	.B25049
Danobat	.A3176
Dener USA	.A2168
DNE Global	.A2126
DURMA North America	.A2143
Eagle Laser	.A5731
FOBA Laser Marking + Engraving	.A4492
Gentec Electro-Optics Inc	.A3473
GT SCHMIDT	.A3195
HK Laser & Systems	.A3675
Horn Machine Tools Inc	.D45940
International Technologies Inc.	.A3503
Into-N2 LLC	.A3370
IPG Photonics	.B27038
Jenoptik Automotive North America LLC	.B25036
Jinan Bodor CNC Machine Co Ltd	.A4486
Kern Laser Systems	.A3168
Kjellberg Cutting, Inc.	.A4586
Koike Aronson Inc	.B17016
Laser Marking Technologies/Laser Manufacturing Technologies LLC	.B16038
Laser Mechanisms Inc	.B15026
Lasermet Inc	.B18058
LaserStar Technologies Corporation	.A3207
Machitech Automation	.A3599
Monode Marking Products	.D47551
MSS Nitrogen Inc	.A3073
MultiCam Inc	.A4502
Muratec	.A4901
nLIGHT Inc	.A5768
NUBURU Inc	.B20069
NUM AG	.B11029
Ophir	.A3471
Power Solutions Pro.	.A5146
Preco Inc	.B20004
Prima Power North America Inc	.A2152
Prodeutech	.A3176
RayTools USA	.A5310
RDI Laser Blanking Systems	.A3350
Revolution Machine Tools	.A2988
Salvagnini America Inc.	.A2950
SENFENG	.A4978
Slatpro LLC	.A5106
TRUMPF Laser Technology	.B18005
TYKMA Electro	.A5164
Vytek Laser Systems	.A5306

**FILTERS FOR SPRAY BOOTHS**

AEREM Industrie Inc. . . . .D45750  
 Gema USA Inc . . . . .D45337  
 Pleatco Filtration . . . . . B29073

**FINANCING**

Ascentium Capital . . . . . A3576  
 Geneva Capital LLC . . . . . A5080  
 KD Capital Equipment LLC . . . . . A3375  
 Scotchman Industries Inc. . . . . A3526, A3625  
 Team Texas . . . . . A3352  
 TRUMPF Laser Technology . . . . . B18005  
 TRUMPF North America . . . . . A2904

**FINISHING SYSTEMS  
ENGINEERING & INSTALLATION  
SERVICES (SYSTEMS HOUSES)**

Accudraft Paint Booths . . . . . D45177  
 AFC Finishing Systems/Airblast AFC . . . . . D45558  
 Air and Liquid Systems Inc. . . . . D45057  
 AM Machinery Sales Inc . . . . . A3157  
 Amiberica Inc . . . . . D45568  
 BlastOne . . . . . B13041, D45134  
 BPE Group . . . . . D45071  
 CALDAN Conveyor . . . . . D45061  
 Carlisle Fluid Technologies . . . . . D45347  
 ChemQuest Inc . . . . . D45547  
 Combustion and Systems Inc. . . . . D45036  
 Dürr Systems, Inc. . . . . D45343  
 Fromm Packaging Systems . . . . . A3172  
 GAT Finishing Systems . . . . . D45340

Gema USA Inc . . . . . D45337  
 General Fabrications Corp. . . . . D45041  
 George Koch Sons LLC . . . . . D45522  
 HERR Industrial Inc . . . . . D45175  
 Horizon Performance Technologies LLC . . . . . D45156  
 IntelliFinishing . . . . . D45540  
 Midwest Finishing Systems . . . . . D45529  
 Nutro Inc . . . . . D45748  
 Parker Engineering of America . . . . . D45129  
 PEM Inc . . . . . D45571  
 Pneu-Mech Systems Mfg . . . . . D45763  
 Spray Enclosure Technologies . . . . . D45561  
 Sprimag Inc . . . . . D45063  
 Stanza Machinery . . . . . A3162  
 System Technologies . . . . . D45161  
 Therma-Tron-X Inc . . . . . D45351  
 Trimac Industrial Systems . . . . . D45224  
 Webb-Stiles Co. . . . . D45635  
 Wenker Inc . . . . . D45585

**FIRE SUPPRESSION, ISOLATION**

Keller USA Inc . . . . . A5146  
 LINE-X Industrial Coatings . . . . . D45143  
 Nordfab Ducting . . . . . A3336

**FLAME CUTTING MACHINES**

AKS Cutting Systems Inc . . . . . A3072  
 Dener USA . . . . . A2168  
 FICEP Corporation . . . . . A4475  
 Kistler Welding and Cutting Automation . . . . . B20060  
 Koike Aronson Inc . . . . . B17016

Linde plc. . . . . B20025  
 Machitech Automation . . . . . A3599  
 Mathey, B&B Pipe, PPM, Fit-Up Pro,  
 TAG Pipe . . . . . B23045  
 Messer Cutting Systems . . . . . A4968  
 Park Industries . . . . . A5912  
 TECOI . . . . . A4973

**FLANGING MACHINES**

1960 SERAVESI . . . . . A5134  
 COLE-TUVE Inc . . . . . A4550  
 ESCO Tool Company . . . . . B37012  
 FACCIN USA, INC. . . . . A4912  
 GFU- Maschinenbau Tube End Forming  
 Machines . . . . . D46364  
 HAEUSLER AG Duggingen . . . . . A5338  
 RAS Systems LLC . . . . . A4950

**FLUID PROCESSING  
COMPONENTS & SYSTEMS**

Air and Liquid Systems Inc. . . . . D45057  
 ERIEZ . . . . . A5950

**FLUX (SOLDERING)**

Markal . . . . . B29049

**FLUX (SUBMERGED ARC)**

Harbert's Products/Allied Flux . . . . . B23068  
 Midalloy . . . . . B33045

**FLUX CORED WIRE**

Blue Demon Welding Products . . . . . B20074  
 COR-MET INC . . . . . B34050  
 Midalloy . . . . . B33045

**FLYING CUTOFF MACHINES**

ASMAG USA Inc . . . . . D46448  
 Azak Tool Technologies Inc . . . . . A3486  
 DieTronic . . . . . D46949  
 Dreistern Inc . . . . . A5104  
 Jet Edge . . . . . A4562  
 Julia USA . . . . . D46568  
 Kent Corporation . . . . . D45946  
 KOLEV Engineering Inc . . . . . A5133  
 LINSINGER . . . . . A5568  
 Pat Mooney Inc . . . . . A2981  
 T-Drill Industries Inc . . . . . A4508  
 TEK FAB Inc . . . . . A3497  
 Universal Tube & Rollform Equipment Co . . . . . D46361

**FOLDING MACHINES**

Automated Fabrication Systems . . . . . A3176  
 Bradbury Group . . . . . A3428  
 CIDAN Machinery Inc . . . . . A4936  
 DURMA North America . . . . . A2143  
 MetalForming Inc . . . . . A2958  
 Pivatic . . . . . A4531  
 Ragnar Makine San Tic Ltd STI . . . . . A3179  
 RAS Systems LLC . . . . . A4950

**FOOT SWITCHES/CONTROLS/  
PEDALS**

Press Brake Safety . . . . . A3316  
 SSC Controls Co . . . . . B20070



**FREE FORM FABRICATION/RAPID MANUFACTURING**

Cambridge Vacuum Engineering	B25062
CO2Meter	B22054
MITUSA Inc.	B15043

**FRIT, PORCELAIN ENAMEL**

Gema USA Inc	D45337
George Koch Sons LLC	D45522

**FURNACES**

Heraeus	D45158
King Tester, Cianflone Scientific and Tensitron	B23058
Piecsa USA LLC	D46561
Pollution Control Products Co	D45054

**FURNACES, PORCELAIN ENAMELING**

George Koch Sons LLC	D45522
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**FURNITURE PARTS & COMPONENTS**

Chambrean SAS	A5116
Rigid-Text	A3496

**GALVANIZING EQUIPMENT & SUPPLIES**

AZZ Metal Coatings	D45868
SKM Industries Inc	B36019
V&S Galvanizing	A3458
Valmont Coatings	D45271

**GARNET REMOVAL EQUIPMENT**

BARTON International	A4574
Ebbco Inc	A5158
GMA Garnet (USA) Corp.	A5033
Jet Edge	A4562
Techni Waterjet A GMM Group Company	A5319

**GAS BLENDERS**

Holtec Gas Systems	A3297
South Tek Systems	A3393
Superflash Compressed Gas Equipment Inc	B33057
WITT Gas Controls	B36021

**GAS CYLINDERS/STORAGE TANKS**

Chart Inc.	B33015
Holtec Gas Systems	A3297
MSS Nitrogen Inc	A3073
South Tek Systems	A3393

**GAS DISTRIBUTION & HANDLING EQUIPMENT**

Air Products and Chemicals Inc.	A1416
Chart Inc.	B33015
Generon	A3376
WITT Gas Controls	B36021

**GAS LEAK DETECTION CHEMICALS**

Superflash Compressed Gas Equipment Inc	B33057
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**GASES - CUTTING**

Air Products and Chemicals Inc.	A1416
Generon	A3376
Holtec Gas Systems	A3297
Into-N2 LLC	A3370
South Tek Systems	A3393

**GASES - WELDING (FUEL)**

Air Products and Chemicals Inc.	A1416
Chart Inc.	B33015

**GASES - WELDING (SHIELDING/PURGING)**

Air Products and Chemicals Inc.	A1416
Chart Inc.	B33015
COB Industries Inc	B16017
Generon	A3376
Linde plc.	B20025

**GAUGING/BACK GAUGING SYSTEMS**

Automec Inc	A3262
Fab Supply Inc	A3574

**GENERAL CONTRACTING/CONSTRUCTION SERVICES**

5 Star Engineering	D45971
Delta Industrial	D47340
Lee Industrial Contracting	D47032
Team Texas	A3352

**GENERATORS - NITROGEN GAS**

Generon	A3376
Holtec Gas Systems	A3297
Into-N2 LLC	A3370
MSS Nitrogen Inc	A3073
Nano Purification Solutions	A5038

**GOUGING EQUIPMENT**

Flame Tech	B22053
Gullco International Inc	B33025
Hypertherm Inc	A4449, B17021

**GOVERNMENT AGENCIES**

Team Texas	A3352
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**GRINDERS - TOOL**

Amada America Inc	A2104
Burr King Manufacturing Co	A3381
Chicago Pneumatic Tool Company LLC	B33021
Darex LLC	A3289
Impax Tooling Solutions	D46952
Mate Precision Technologies	A3155
Michigan Pneumatic Tool Inc	B22006
Norton Abrasives	B35054
Oberg Industries LLC	D47541
Urrea Professional Tools	B25065
Vessel/SP Air	B25057
VOLLMER of America	D46466
Wendt USA LLC	B37056
Wilson Tool International	A3101

**GUIDE POSTS**

Agathon Machine Tools Inc	D47441
Fibro Inc	D47146
Impax Tooling Solutions	D46952
SelfLube	D47341
STEINEL Normalien AG	D47355

**HAND BENDERS**

OP USA Inc	D46565
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**HAND TOOLS - NIBBLING**

Michigan Pneumatic Tool Inc	B22006
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**HAND TOOLS - NIBBLING, OTHER**

3M	B30067
Chicago Pneumatic Tool Company LLC	B33021
Fromm Packaging Systems	A3172
Heck Industries	A5131
LENOX®	A3543
Lenzkes Clamping Tools Inc	D46761
Michigan Pneumatic Tool Inc	B22006
Tenryu	B20056
The M.K. Morse Company	A1439
Urrea Professional Tools	B25065

**HARDFACING/SURFACING (POWDER ALLOYS)**

Kennametal Inc	B20062
Surface Engineering Alloy Co	B36015
Surface Flow Technologies Inc/LSN Diffusion Ltd	B22056

**HARDFACING/SURFACING (WIRE)**

COR-MET INC	B34050
Kennametal Inc	B20062
Surface Engineering Alloy Co	B36015

**HARDFACING/SURFACING EQUIPMENT - FINISHING**

Kennametal Inc	B20062
Rocklin Manufacturing Co	A3408
Surface Engineering Alloy Co	B36015

**HEAT EXCHANGERS**

Air and Liquid Systems Inc	D45057
Chase Cooling Systems	A3556
GAT Finishing Systems	D45340

**HEAT TREATING EQUIPMENT/STRESS RELIEVING EQUIPMENT**

Ambrell Induction Heating Solutions	B24006
CEIA USA Induction Heating Systems	B16061
eldec LLC	B15050
GH Induction Atmospheres LLC	B15059
Heraeus	D45158
Induction Innovations Inc	B28065
LeClaire Manufacturing	A3306
Radyne Corp	B22065

**HOOKS AND RACKS**

Mighty Hook Inc	D45643
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### HOSE CRIMPING

Fibro Inc . . . . .	D47146
OP USA Inc . . . . .	D46565

### IN-DIE ASSEMBLY

Automated Tapping Systems . . . . .	D46829
Hutchison Tool . . . . .	D46653
J-Tech Design . . . . .	D47324
<b>K&amp;K Tool and Die Inc . . . . .</b>	<b>D46665</b>
Pronic Inc . . . . .	D47154
<b>R&amp;M Manufacturing Co LLC . . . . .</b>	<b>A3460</b>

### IN-DIE TAPPING

Automated Tapping Systems . . . . .	D46829
Fibro Inc . . . . .	D47146
Hutchison Tool . . . . .	D46653
Jarvis Cutting Tools . . . . .	D47254
Pronic Inc . . . . .	D47154
<b>R&amp;M Manufacturing Co LLC . . . . .</b>	<b>A3460</b>
STEINEL Normalien AG . . . . .	D47355
Victory Tool . . . . .	D47433

### INDUSTRIAL PARTITIONS & ENCLOSURES

Camlock Systems Inc . . . . .	A5139
JMR Industrial . . . . .	A5855
<b>Lasernet Inc . . . . .</b>	<b>B18058</b>
<b>Laservision USA . . . . .</b>	<b>A3456</b>

### INHIBITORS

ChemQuest Inc . . . . .	D45547
Daubert Cromwell . . . . .	D46755
Diamond Vogel Paint & Coatings . . . . .	D45758
Zerust Corrosion Solutions . . . . .	D47552

### INSPECTION & TESTING - LOAD MONITORING & WEIGHING

<b>Element . . . . .</b>	<b>A1429</b>
<b>Mighty Hook Inc . . . . .</b>	<b>D45643</b>
Toledo Integrated Systems/Toledo Transducers . . . . .	D46758

### INSPECTION & TESTING - QUALITY/PROCESS CONTROL

Accurex Measurement Inc . . . . .	D46368
Advanced Tubular Technologies Inc . . . . .	D46377
Automated Tapping Systems . . . . .	D46829
Clark Fixture Technologies . . . . .	D46350
C02Meter . . . . .	B22054
Creaform . . . . .	A1405
Elcometer Inc . . . . .	D45551
<b>Element . . . . .</b>	<b>A1429</b>
FabStation by Eterio Realities . . . . .	A5173
FARO Tools . . . . .	B22055
Fischer Technology Inc . . . . .	D45251
Gentec Electro-Optics Inc . . . . .	A3473
<b>Hexagon . . . . .</b>	<b>A3326</b>
INSPECTECH . . . . .	D46454
InterTest Inc . . . . .	B37053
<b>Jenoptik Automotive North America LLC . . . . .</b>	<b>B25036</b>
Keyence Corp of America . . . . .	A1246
King Tester, Cianflone Scientific and Tensitron . . . . .	B23058
Oasis Scientific Inc . . . . .	B37032
Olympus America Inc . . . . .	B23065

Ophir . . . . .	A3471
ProScale . . . . .	A1427
Rigaku Analytical Devices . . . . .	A3425
SciAps Inc . . . . .	B27059
SERVO-ROBOT . . . . .	B15029
Thermo Fisher Scientific . . . . .	A1327
Two Technologies Inc . . . . .	B16008
ViewTech Borescopes . . . . .	B20066
Virtual Process . . . . .	A1330
VKS . . . . .	A3334
Welder Training & Testing Institute . . . . .	B18073
Wyvern Industrial Technology . . . . .	A5854
Xiris Automation Inc . . . . .	B17040

### INSPECTION/TESTING EQUIPMENT - DIMENSIONAL & SHAPE/MEASURING

Accurex Measurement Inc . . . . .	D46368
Creaform . . . . .	A1405
data M Sheet Metal Solutions GmbH . . . . .	A3493
<b>Element . . . . .</b>	<b>A1429</b>
FARO Technologies Inc . . . . .	A1443
<b>Hexagon . . . . .</b>	<b>A3326</b>
INSPECTECH . . . . .	D46454
<b>Jenoptik Automotive North America LLC . . . . .</b>	<b>B25036</b>
Keyence Corp of America . . . . .	A1246
<b>Melton Machine &amp; Control Co . . . . .</b>	<b>B15038</b>
NDT Technologies Inc . . . . .	D45972
Newall Electronics Inc . . . . .	B12020
Olympus America Inc . . . . .	B23065
ProScale . . . . .	A1427
<b>Scotchman Industries Inc . . . . .</b>	<b>A3526, A3625</b>
Verisurf Software Inc . . . . .	A1211
Wyvern Industrial Technology . . . . .	A5854
Xiris Automation Inc . . . . .	B17040

### INSPECTION/TESTING EQUIPMENT - FINISHING

DeFelsko Corp . . . . .	D45140
Fischer Technology Inc . . . . .	D45251
<b>Jenoptik Automotive North America LLC . . . . .</b>	<b>B25036</b>
Olympus America Inc . . . . .	B23065
Tristar Coatings Ltd. . . . .	D45285
Wyvern Industrial Technology . . . . .	A5854

### INSPECTION/TESTING EQUIPMENT - HARDNESS

DeFelsko Corp . . . . .	D45140
<b>Element . . . . .</b>	<b>A1429</b>
Fischer Technology Inc . . . . .	D45251
King Tester, Cianflone Scientific and Tensitron . . . . .	B23058
NDT Technologies Inc . . . . .	D45972
Olympus America Inc . . . . .	B23065
Proceq USA Inc . . . . .	B25056

### INSPECTION/TESTING EQUIPMENT - LEAK/HYDROSTATIC

<b>Element . . . . .</b>	<b>A1429</b>
Fives . . . . .	D46372
<b>Jenoptik Automotive North America LLC . . . . .</b>	<b>B25036</b>
Mair Research SpA . . . . .	D45978
Olympus America Inc . . . . .	B23065

### INSPECTION/TESTING EQUIPMENT - PRESSURE/FORCE

Delta Computer Systems Inc . . . . .	D47140
<b>Element . . . . .</b>	<b>A1429</b>
King Tester, Cianflone Scientific and Tensitron . . . . .	B23058
Olympus America Inc . . . . .	B23065

### INSPECTION/TESTING EQUIPMENT - SHEET METAL

<b>Amada America Inc . . . . .</b>	<b>A2104</b>
<b>Fischer Engineering Co . . . . .</b>	<b>B22062</b>
Olympus America Inc . . . . .	B23065
SciAps Inc . . . . .	B27059
Virtek Vision . . . . .	A3323

### INSPECTION/TESTING EQUIPMENT - SURFACE FINISH

DeFelsko Corp . . . . .	D45140
Elcometer Inc . . . . .	D45551
<b>Element . . . . .</b>	<b>A1429</b>
Fischer Technology Inc . . . . .	D45251
<b>Jenoptik Automotive North America LLC . . . . .</b>	<b>B25036</b>
LDPI Inc . . . . .	D45533
NDT Technologies Inc . . . . .	D45972
Oasis Scientific Inc . . . . .	B37032
Olympus America Inc . . . . .	B23065
Robotic Technologies of Tennessee LLC . . . . .	B34056
W Abrasives . . . . .	D45756
Wyvern Industrial Technology . . . . .	A5854

### INSPECTION/TESTING EQUIPMENT - TEMPERATURE

DeFelsko Corp . . . . .	D45140
<b>Element . . . . .</b>	<b>A1429</b>
Markal . . . . .	B29049

### INSPECTION/TESTING EQUIPMENT - TUBE/PIPE

Accurex Measurement Inc . . . . .	D46368
Advanced Tubular Technologies Inc . . . . .	D46377
Elcometer Inc . . . . .	D45551
<b>Hexagon . . . . .</b>	<b>A3326</b>
INSPECTECH . . . . .	D46454
InterTest Inc . . . . .	B37053
Magnetic Analysis Corp. . . . .	D46362
NDT Technologies Inc . . . . .	D45972
Olympus America Inc . . . . .	B23065
OP USA Inc . . . . .	D46565
<b>Piecsa USA LLC . . . . .</b>	<b>D46561</b>
ProScale . . . . .	A1427
SciAps Inc . . . . .	B27059
Thermo Fisher Scientific . . . . .	A1327
ViewTech Borescopes . . . . .	B20066
Wyvern Industrial Technology . . . . .	A5854
Xiris Automation Inc . . . . .	B17040

### INSPECTION/TESTING SERVICES

<b>Element . . . . .</b>	<b>A1429</b>
<b>Fischer Engineering Co . . . . .</b>	<b>B22062</b>
Keyence Corp of America . . . . .	A1246
Oasis Scientific Inc . . . . .	B37032
QPS Evaluation Services Inc/QPS America Inc. . . . .	A3243
SciAps Inc . . . . .	B27059

Thermo Fisher Scientific . . . . .	A1327
Two Technologies Inc . . . . .	B16008
Welder Training & Testing Institute . . . . .	B18073

## INVENTORY MANAGEMENT

Fehr Warehouse Solutions Inc . . . . .	.A5007
Modula Inc . . . . .	.A5761

## IRONWORKERS

Cleveland Steel Tool Co. . . . .	A3532
COMEQ Inc . . . . .	A3650
Diablo Tools . . . . .	B29065
Geka USA . . . . .	.A5543
Masteel America Corp . . . . .	.A3198
Nitto Kohki USA Inc. . . . .	A3563
Quantum Machinery Group . . . . .	.B27026
Scotchman Industries Inc. . . . .	.A3526, A3625
Trilogy Machinery Inc . . . . .	.A4963
US Industrial Machinery Co. . . . .	A4568
World Machinery & Saw Inc . . . . .	D46273

## JOB SHOP FINISHING SERVICES - PAINT/POWDER

Acme Finishing . . . . .	D45266
B.L. Downey Company LLC . . . . .	.D45141
BUWW Coverings Inc . . . . .	A3224
Cameron Manufacturing & Design . . . . .	.A3377
IFS Coatings Inc . . . . .	D45537
SKM Industries Inc . . . . .	B36019
Staub Manufacturing Solutions . . . . .	.A5017
The Electrocoat Association . . . . .	D45166
Valmont Coatings . . . . .	D45271

## JOB SHOP FINISHING SERVICES - PLATERS/ANODIZERS

Arrow Cryogenics Inc . . . . .	D45126
Paperless Parts . . . . .	A3399
Valmont Coatings . . . . .	D45271

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - ASSEMBLING

Allor Manufacturing Inc/Plesh Industries . . . . .	.A3560
ART Metals Group . . . . .	.D47152
Chicago Metal Fabricators . . . . .	A3495
Mid America Powder Coating . . . . .	D45066
Staub Manufacturing Solutions . . . . .	.A5017
Trans-Matic . . . . .	D46932

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - BENDING & FORMING

BUWW Coverings Inc . . . . .	A3224
Cameron Manufacturing & Design . . . . .	.A3377
Chicago Metal Fabricators . . . . .	A3495
Custom Rollforming Corp/Marion Die and Fixture . . . . .	A5052
DDI Inc . . . . .	D47545
Faspro Technologies Inc . . . . .	A1316
GE Mathis Co . . . . .	.A3562
ISS . . . . .	A5026
JK Prototype Inc . . . . .	D46665
OGS Industries . . . . .	D46955
Ohio Laser LLC . . . . .	A3450
OMNI-X USA . . . . .	D46348

R&M Manufacturing Co LLC . . . . .	.A3460
Samson Roll Formed Products Co . . . . .	A3322
Staub Manufacturing Solutions . . . . .	.A5017
Tools for Bending . . . . .	D45725

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - COATING/PAINTING/PLATING

Cameron Manufacturing & Design . . . . .	.A3377
Mid America Powder Coating . . . . .	D45066
Oberg Industries LLC . . . . .	.D47541
Paperless Parts . . . . .	A3399
Valmont Coatings . . . . .	D45271

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - COIL/TOLL PROCESSING

United Aluminum Corp . . . . .	D46938
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## JOB SHOP/CONTRACT MANUFACTURING SERVICES - CUTTING

CGW Abrasives . . . . .	.B31017
GE Mathis Co . . . . .	.A3562
Jarvis Cutting Tools . . . . .	D47254
Precision Stamping Products . . . . .	D47431
Staub Manufacturing Solutions . . . . .	.A5017

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - EDM DIE MANUFACTURING

BTD Tooling Division . . . . .	D47249
Oberg Industries LLC . . . . .	.D47541
R&M Manufacturing Co LLC . . . . .	.A3460
SB Whistler & Sons Inc . . . . .	A3318

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - FLOW FORMING

DENN - Industrias Puigjaner, sa - Global Metal Spinning Solutions . . . . .	D47248
MJC Engineering & Technology Inc . . . . .	D47148

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - HEAT TREATING

Dubuque Laser & Fabrication . . . . .	D46663
Master Roll Manufacturing . . . . .	.A3273
Oberg Industries LLC . . . . .	.D47541
Solar Atmospheres . . . . .	D47348

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - HOT DIP GALVANIZING

Valmont Coatings . . . . .	D45271
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## JOB SHOP/CONTRACT MANUFACTURING SERVICES - HYDROFORMING

FluidForming Americas . . . . .	D47054
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## JOB SHOP/CONTRACT MANUFACTURING SERVICES - INJECTION MOLDING

Paperless Parts . . . . .	A3399
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## JOB SHOP/CONTRACT MANUFACTURING SERVICES - LASER CUTTING

Arrowhead Manufacturers & Fabricators Assoc. . . . .	A1432
BUWW Coverings Inc . . . . .	A3224
Cameron Manufacturing & Design . . . . .	.A3377
Chicago Metal Fabricators . . . . .	A3495
Dubuque Laser & Fabrication . . . . .	D46663
GE Mathis Co . . . . .	.A3562
Hafendorfer Machine Inc. . . . .	A5025
Lasermet Inc . . . . .	.B18058
Lyon Metals LLC . . . . .	A5072
OGS Industries . . . . .	D46955
Ohio Laser LLC . . . . .	A3450
Power Solutions Pro . . . . .	.A5146
R&M Manufacturing Co LLC . . . . .	.A3460
Spray Enclosure Technologies . . . . .	D45561
Staub Manufacturing Solutions . . . . .	.A5017

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - LASER DRILLING

AdValue Photonics Inc . . . . .	A1430
AZ Industrial Lasers . . . . .	A3588

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - LASER MARKING

Arrow Cryogenics Inc . . . . .	D45126
AZ Industrial Lasers . . . . .	A3588
Cameron Manufacturing & Design . . . . .	.A3377

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - LASER PROCESSING

AZ Industrial Lasers . . . . .	A3588
GE Mathis Co . . . . .	.A3562
Lasermet Inc . . . . .	.B18058

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - LASER TUBE CUTTING

Hafendorfer Machine Inc. . . . .	A5025
Ohio Laser LLC . . . . .	A3450

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - LASER WELDING

Cameron Manufacturing & Design . . . . .	.A3377
Lasermet Inc . . . . .	.B18058
Power Solutions Pro . . . . .	.A5146

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - MACHINING

Allor Manufacturing Inc/Plesh Industries . . . . .	.A3560
Arrowhead Manufacturers & Fabricators Assoc. . . . .	A1432
BTD Tooling Division . . . . .	D47249
BUWW Coverings Inc . . . . .	A3224
Cameron Manufacturing & Design . . . . .	.A3377
Cleveland Steel Tool Co. . . . .	A3532
Dubuque Laser & Fabrication . . . . .	D46663
F&G Tool and Die Co . . . . .	D46439

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
MACHINING**

Faspro Technologies Inc	A1316
Hafendorfer Machine Inc	A5025
JK Prototype Inc	D46665
LeClaire Manufacturing	A3306
LPI Lift Systems	D45543
Master Roll Manufacturing	A3273
Mission Tool & Machine LLC	D47456
Oberg Industries LLC	D47541
OGS Industries	D46955
Paperless Parts	A3399
Precision Punch Corp	D47056
Precision Stamping Products	D47431
R&M Manufacturing Co LLC	A3460
Steel Craft Technologies	D47537
Superior Die Set Corp	D47130
Wauseon Machine & Manufacturing Inc	D45738

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
METAL FINISHING**

Cameron Manufacturing & Design	A3377
LPI Lift Systems	D45543
Paperless Parts	A3399
Penn United Technologies Inc	D47150
R&M Manufacturing Co LLC	A3460
United Surface Solutions LLC	D45372
Washington Mills Ceramics	D45753

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
METAL SPINNING**

Arrow Cryogenics Inc	D45126
DENN - Industrias Puigjaner, sa - Global Metal Spinning Solutions	D47248

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
PLASMA CUTTING**

GE Mathis Co	A3562
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**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
PUNCHING**

Cameron Manufacturing & Design	A3377
Chicago Metal Fabricators	A3495
GE Mathis Co	A3562
Hafendorfer Machine Inc	A5025
OGS Industries	D46955
Precision Punch Corp	D47056
R&M Manufacturing Co LLC	A3460
Samson Roll Formed Products Co	A3322

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
ROLL FORMING**

Bradbury Group	A3428
Custom Rollforming Corp/Marion Die and Fixture	A5052
Samson Roll Formed Products Co	A3322

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
STAMPING - DEEP DRAWING**

DDI Inc	D47545
Gruber Tool & Die Inc	D47352
Precision Stamping Products	D47431
Trans-Matic	D46932

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
STAMPING - FOUR SLIDE**

Faspro Technologies Inc	A1316
Gruber Tool & Die Inc	D47352

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
STAMPING - HIGH SPEED**

JK Prototype Inc	D46665
K&K Tool and Die Inc	D46665
Oberg Industries LLC	D47541
R&M Manufacturing Co LLC	A3460
Trans-Matic	D46932

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
STAMPING - MULTI SLIDE**

Bihler of America	D47124
F&G Tool and Die Co	D46439
Gruber Tool & Die Inc	D47352

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
STAMPING - PROGRESSIVE**

ART Metals Group	D47152
Dubuque Laser & Fabrication	D46663
F&G Tool and Die Co	D46439
Faspro Technologies Inc	A1316
Gruber Tool & Die Inc	D47352
Middleville Tool & Die/Bayloff Stamped Products/KBX Global	D47430
Mission Tool & Machine LLC	D47456
Oberg Industries LLC	D47541
OGS Industries	D46955
Precision Stamping Products	D47431
R&M Manufacturing Co LLC	A3460
Samson Roll Formed Products Co	A3322
SB Whistler & Sons Inc	A3318
Trans-Matic	D46932

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
STAMPING - SINGLE STROKE**

ART Metals Group	D47152
Dubuque Laser & Fabrication	D46663
Precision Brand Products Inc	D46656
R&M Manufacturing Co LLC	A3460
SB Whistler & Sons Inc	A3318

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
STAMPING - TRANSFER**

Gruber Tool & Die Inc	D47352
Middleville Tool & Die/Bayloff Stamped Products/KBX Global	D47430

R&M Manufacturing Co LLC	A3460
Trans-Matic	D46932

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
T/P BENDING & FORMING**

DDI Inc	D47545
iSS	A5026

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
TOOL SURFACE TREATMENT**

Pollution Control Products Co	D45054
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**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
WATERJET CUTTING**

Arrowhead Manufacturers & Fabricators Assoc.	A1432
Cameron Manufacturing & Design	A3377
Jet Edge	A4562
JK Prototype Inc	D46665
Lyon Metals LLC	A5072
Precision Brand Products Inc	D46656
Superior Die Set Corp	D47130

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
WELDING - ELECTRON BEAM  
WELDING PROCESS**

PTR-Precision Technologies Inc	B27056
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**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
WELDING - LASER WELDING**

Lasermet Inc	B18058
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**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
WELDING - MIG WELDING**

Allor Manufacturing Inc/Plesh Industries	A3560
Arrowhead Manufacturers & Fabricators Assoc.	A1432
Cameron Manufacturing & Design	A3377
GE Mathis Co	A3562
iSS	A5026
LPI Lift Systems	D45543
Middleville Tool & Die/Bayloff Stamped Products/KBX Global	D47430
R&M Manufacturing Co LLC	A3460
Steel Craft Technologies	D47537

**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
WELDING - ORBITAL WELDING**

Cameron Manufacturing & Design	A3377
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**JOB SHOP/CONTRACT  
MANUFACTURING SERVICES -  
WELDING - RESISTANCE  
WELDING**

DDI Inc	D47545
R&M Manufacturing Co LLC	A3460

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - WELDING - ROBOTIC WELDING

Chicago Metal Fabricators	A3495
GE Mathis Co	A3562
R&M Manufacturing Co LLC	A3460

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - WELDING - SEAM/SPOT WELDING

Cameron Manufacturing & Design	A3377
GE Mathis Co	A3562
MITUSA Inc.	B15043

## JOB SHOP/CONTRACT MANUFACTURING SERVICES - WELDING/BRAZING

Solar Atmospheres	D47348
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## JOB SHOP/CONTRACT MANUFACTURING SERVICES - WIRE FORMING

DDI Inc	D47545
iSS	A5026
Mid America Powder Coating	D45066
Mighty Hook Inc	D45643

## KNIVES & BLADES

ANDRITZ Metals USA Inc	A3061
Azak Tool Technologies Inc	A3486
Cincinnati Inc	A5705
Cle-Line by Greenfield Industries	A5114
Cleveland Steel Tool Co.	A3532
Diamond Saw Works Inc	A5140
International Knife & Saw Inc	A3309
Julia USA	D46568
LENOX®	A3543
Remgrit Carbide Grit Cutting Tools	A5123
Tenryu	B20056
The M.K. Morse Company	A1439
Tru-Cut Saw Inc	A3363, D46456

## LACQUERS

Cardinal Paint and Powder	D45749
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## LASER CLADDING

Alpha Laser US	A3508
Coherent Inc	B25049
IPG Photonics	B27038
Laser Mechanisms Inc	B15026
Laserline Inc	B28071
Preco Inc	B20004
SENFENG	A4978
SLTL Group (Sahajanand Laser Technology Ltd)	A5907
Surface Engineering Alloy Co	B36015

## LASER CUTTING MACHINES - CO2

Amada America Inc	A2104
BesCutter Inc	A5724
BLM Group	A2935
Boss Laser	A4538
Bystronic Inc	A2126
Cincinnati Inc	A5705
Coherent Inc	B25049

HK Laser & Systems	A3675
Jenoptik Automotive North America LLC	B25036
JIER North America	D47135
Kern Laser Systems	A3168
Laser Mechanisms Inc	B15026
LaserStar Technologies Corporation	A3207
Mazak Optonics Corp	A4402
MultiCam Inc	A4502
NUM AG	B11029
Power Solutions Pro	A5146
RayTools USA	A5310
Slatpro LLC	A5106
Striker Systems	A3346
Vytek Laser Systems	A5306
YLM USA Inc	D45723
Zund America	A3332

## LASER CUTTING MACHINES - SOLID STATE

AdValue Photonics Inc.	A1430
Ajan Elektronik Servis Sanayi Ve Ticaret Ltd St	A4514
Amada America Inc	A2104
Automated Fabrication Systems	A3176
BesCutter Inc	A5724
Boschert Precision Machinery Inc	A5716
Cincinnati Inc	A5705
Dallan America Corp	A5773
Dimeco	A3093
Eagle Laser	A5731
IPG Photonics	B27038
Jenoptik Automotive North America LLC	B25036
Jinan Bodor CNC Machine Co Ltd	A4486
Laser Mechanisms Inc	B15026
LaserStar Technologies Corporation	A3207
Mazak Optonics Corp	A4402
Melton Machine & Control Co.	B15038
Messer Cutting Systems	A4968
Preco Inc	B20004
RayTools USA	A5310
RDI Laser Blanking Systems	A3350
SENFENG	A4978
SLTL Group (Sahajanand Laser Technology Ltd)	A5907
Soitaab USA Inc	A1332
TECOI	A4973
TRUMPF Laser Technology	B18005
TRUMPF North America	A2904
Universal Tool & Engineering	D46158
Vytek Laser Systems	A5306
Weil Technology North America	A3218

## LASER CUTTING OPTICS & ACCESSORIES

Alternative Parts Inc	A3244
Amada America Inc	A2104
American Torch Tip Co Inc.	B35043
BesCutter Inc	A5724
Boss Laser	A4538
Gentec Electro-Optics Inc	A3473
Hypertherm Inc	A4449, B17021
IPG Photonics	B27038
Laser Mechanisms Inc	B15026
Lasermet Inc	B18058
Mate Precision Technologies	A3155
Mazak Optonics Corp	A4402
Ophir	A3471

Power Solutions Pro	A5146
Superflash Compressed Gas Equipment Inc	B33057

## LASERS - LASER SURFACE ABLATION/COATING REMOVAL

AdValue Photonics Inc.	A1430
IPG Photonics	B27038
Laser Marking Technologies/Laser Manufacturing Technologies LLC	B16038
Laserline Inc	B28071
nLIGHT Inc	A5768
SLTL Group (Sahajanand Laser Technology Ltd)	A5907

## LASERS - POLYMER WELDING

AdValue Photonics Inc.	A1430
IPG Photonics	B27038
Jenoptik Automotive North America LLC	B25036
LaserStar Technologies Corporation	A3207
nLIGHT Inc	A5768

## LASERS - REMOTE WELDING, CO2

Lasermet Inc	B18058
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## LASERS - REMOTE WELDING, SOLID STATE

IPG Photonics	B27038
Jenoptik Automotive North America LLC	B25036
Laserline Inc	B28071
Lasermet Inc	B18058
nLIGHT Inc	A5768
SLTL Group (Sahajanand Laser Technology Ltd)	A5907
TRUMPF Laser Technology	B18005

## LASERS - TUBE & PROFILE WELDING

Alpha Laser US	A3508
Coherent Inc	B25049
IPG Photonics	B27038
Laser Mechanisms Inc	B15026
SENFENG	A4978
TRUMPF Laser Technology	B18005
TRUMPF North America	A2904
Weil Technology North America	A3218

## LEAN MANUFACTURING

Bosch Rexroth Corp	A3124, B37062
Paper-Less LLC	A5152
Tower Metalworking Fluids	D47127
T-Sim Solutions	D46527
Versatility Tool Works & Mfg Company Inc.	A5355
Virtual Process	A1330
VKS	A3334

## LEASING SERVICES

Geneva Capital LLC	A5080
Magnetic Analysis Corp.	D46362
Team Texas	A3352

**LEVELING EQUIPMENT -  
MACHINERY INSTALLATION**

Allor Manufacturing Inc/Plesh Industries . . . A3560  
ANDRITZ Metals USA Inc . . . . .A3061  
AR KU Inc . . . . .A5538  
KOHLER Maschinenbau GmbH . . . . .A3132

**LEVELING EQUIPMENT - PLATE  
LEVELER**

Allor Manufacturing Inc/Plesh Industries . . . A3560  
ANDRITZ Metals USA Inc . . . . .A3061  
AR KU Inc . . . . .A5538  
Bradbury Group . . . . .A3428  
Hangzhou Xiangsheng Abrasive Machine  
Manufacturing Co. Ltd (Jonsen Sander) . . . A3386  
KOHLER Maschinenbau GmbH . . . . .A3132

**LEVELING EQUIPMENT - SHEET  
METAL**

Allor Manufacturing Inc/Plesh Industries . . . A3560  
ANDRITZ Metals USA Inc . . . . .A3061  
AR KU Inc . . . . .A5538  
Bradbury Group . . . . .A3428  
Butech Bliss . . . . .A3510  
Hangzhou Xiangsheng Abrasive Machine  
Manufacturing Co. Ltd (Jonsen Sander) . . . A3386  
KOHLER Maschinenbau GmbH . . . . .A3132

**LIFT TRUCKS**

Ergotronix . . . . .A5056  
Presto Ecoa Lifts . . . . .A3141

**LIGHT CURTAINS**

Dynatect Manufacturing Inc . . . . .A3435  
Lasernet Inc . . . . .B18058  
Link Systems . . . . .D46946  
Press Brake Safety . . . . .A3316  
S.M.A.R.T. Services . . . . .A3275  
Tapeswitch Corporation . . . . .A3579  
Wintriss Controls Group LLC . . . . .D47335

**LINING SERVICES FOR TANKS &  
EQUIPMENT - FINISHING**

Almco Inc . . . . .D46338

**LOOP CONTROLS**

Delta Computer Systems Inc . . . . .D47140

**LUBRICANTS**

Castrol/BP Lubricants . . . . .D45664  
Circle-Proscos Inc . . . . .D45375  
Cleveland Punch & Die Co. . . . .A3558  
DENN - Industrias Puigjaner, sa -  
Global Metal Spinning Solutions . . . . .D47248  
DuBois Chemicals Inc . . . . .D45532  
Formdrill USA Inc . . . . .A3525  
Fortech Products Inc . . . . .D47451  
LENOX® . . . . .A3543  
LSP Industries Inc . . . . .D46647  
Metalloid Corporation . . . . .D46352, D46943  
Quaker Houghton . . . . .D45762  
Thred Taper . . . . .B34060  
Tower Metalworking Fluids . . . . .D47127  
Unist Inc . . . . .A5126, D47132

US Lubricants . . . . .D46340  
World Machinery & Saw Inc . . . . .D46273

**LUBRICATION EQUIPMENT**

Apex Dynamics . . . . .B16006  
Castrol/BP Lubricants . . . . .D45664  
Coxreels . . . . .B25055  
Formdrill USA Inc . . . . .A3525  
Fortech Products Inc . . . . .D47451  
Industrial Innovations Inc . . . . .D47346  
JET-SET . . . . .D46753  
LENOX® . . . . .A3543  
LSP Industries Inc . . . . .D46647  
Metalloid Corporation . . . . .D46352, D46943  
Pax Products Inc . . . . .D47331  
Piecsa USA LLC . . . . .D46561  
Quaker Houghton . . . . .D45762  
Scientific Industrial Nano Engineering -  
SINE . . . . .D45851  
SMC Corporation of America . . . . .B13050  
Spraying Systems Co . . . . .A5842  
Tower Metalworking Fluids . . . . .D47127  
Unist Inc . . . . .A5126, D47132  
US Lubricants . . . . .D46340

**MACHINE CONTROL HARDWARE  
& COMPONENTS**

5 Star Engineering . . . . .D45971  
AMS Controls Inc . . . . .A3452  
Automec Inc . . . . .A3262  
Beckhoff Automation . . . . .B13018  
Bihler of America . . . . .D47124  
Bosch Rexroth Corp . . . . .A3124, B37062  
Link Systems . . . . .D46946  
NUM AG . . . . .B11029  
Shop Floor Automations Inc . . . . .A3441  
SSC Controls Co . . . . .B20070  
Toledo Integrated Systems/Toledo  
Transducers . . . . .D46758  
Universal Tube & Rollform Equipment Co. .D46361  
Wintriss Controls Group LLC . . . . .D47335

**MACHINE CONTROL SOFTWARE**

Allied BIM . . . . .A1337  
AMS Controls Inc . . . . .A3452  
Beckhoff Automation . . . . .B13018  
Bosch Rexroth Corp . . . . .A3124, B37062  
Delta Computer Systems Inc . . . . .D47140  
FlashCut CNC . . . . .A5109  
Hypertherm Inc . . . . .A4449, B17021  
New Forge LLC . . . . .B12035  
Omnirobotic . . . . .D45752  
Oqton Inc . . . . .B15017  
RAS Systems LLC . . . . .A4950  
Robotmaster . . . . .B17021  
Shop Floor Automations Inc . . . . .A3441  
SizTech LLC . . . . .A3161  
Universal Tube & Rollform Equipment Co. .D46361  
Vicon Machinery LLC . . . . .B31038

**MACHINE MONITORS**

Automec Inc . . . . .A3262  
CADDIS Systems . . . . .B16005  
Link Systems . . . . .D46946  
Shop Floor Automations Inc . . . . .A3441  
Wintriss Controls Group LLC . . . . .D47335

**MACHINE REBUILDING/  
RECONDITIONING SERVICES**

BCN Technical Services Inc . . . . .D47155  
Combustion and Systems Inc . . . . .D45036  
Lee Industrial Contracting . . . . .D47032  
Leifeld Metal Spinning GmbH . . . . .D46756  
Master Roll Manufacturing . . . . .A3273  
MJC Engineering & Technology Inc . . . . .D47148  
Muratec . . . . .A4901  
Schwarze-Robitec GmbH . . . . .D45943  
Taylor-Winfield Technologies . . . . .B15012  
Toolmen Corp . . . . .A5839  
Universal Controls Group . . . . .D46361  
Universal Tube & Rollform Equipment Co. .D46361  
Wheelabrator Group . . . . .D45137

**MACHINE TOOL PROTECTION**

Dynatect Manufacturing Inc . . . . .A3435

**MACHINERY INSTALLATION/  
ALIGNMENT SERVICES**

Fromm Packaging Systems . . . . .A3172  
Lee Industrial Contracting . . . . .D47032  
Rafter Equipment Corp . . . . .D46468  
Schelling America Inc . . . . .A3384

**MAGNETS & MAGNETIC  
EQUIPMENT**

Automated Layout Technology . . . . .A5154  
Bunting-Newton . . . . .A5141  
EAS Mold & Die Change Systems Inc . . . . .D46861  
ERIEZ . . . . .A5950  
Graphic Products . . . . .A3177  
Industrial Magnetics Inc . . . . .A4555  
MPI Magnetic Products Inc . . . . .D46443  
Permadur Industries Inc . . . . .A3421  
Roemheld . . . . .D47343  
Slatpro LLC . . . . .A5106  
Strong Hand Tools . . . . .B35026  
UNIBOR . . . . .B27062  
Weldsale LLC . . . . .B27076

**MAINTENANCE EQUIPMENT/  
PRODUCTS**

5 Star Engineering . . . . .D45971  
Alternative Parts Inc . . . . .A3244  
Arc Solutions Inc . . . . .B33032  
AVS Industries LLC . . . . .B36017  
BUWW Coverings Inc . . . . .A3224  
Cle-Line by Greenfield Industries . . . . .A5114  
Closed Loop Recycling . . . . .A3570  
Darex LLC . . . . .A3289  
Delta Industrial . . . . .D47340  
Diablo Tools . . . . .B29065  
Dinamec Systems . . . . .D45651  
Dynatect Manufacturing Inc . . . . .A3435  
FactoryCat Industrial Equipment . . . . .A5041  
FARO Tools . . . . .B22055  
Induction Innovations Inc . . . . .B28065  
Kipp Inc . . . . .A5004  
LPI Lift Systems . . . . .D45543  
Michigan Pneumatic Tool Inc . . . . .B22006  
New Forge LLC . . . . .B12035  
Piecsa USA LLC . . . . .D46561  
Pollution Control Products Co . . . . .D45054

Portwest LLC	B35019
<b>Power Solutions Pro</b>	<b>A5146</b>
Precision Brand Products Inc	D46656
Press Brake Repair	A3005
Remgrit Carbide Grit Cutting Tools	A5123
Replacement Brush Tables	A3288
<b>Revolution Machine Tools</b>	<b>A2988</b>
Ruwac Industrial Vacuums	D45052
<b>Service Lamp Corp.</b>	<b>A3342</b>
TIGER-VAC USA INC	A1409
<b>Tower Metalworking Fluids</b>	<b>D47127</b>
ViewTech Borescopes	B20066

## MANUFACTURING REPRESENTATIVE

Fromm Packaging Systems	A3172
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## MARKING EQUIPMENT - BAR CODING SYSTEMS & SUPPLIES

Graphic Products	A3177
GT SCHMIDT	A3195
InfoSight Corporation	A5144
Monode Marking Products	D47551
Pannier Corporation	A3516
Tocho Marking Systems America	A3534
TYKMA ElectroX	A5164

## MARKING EQUIPMENT - INDENTING/EMBOSSING/ETCHING

<b>Amada America Inc</b>	<b>A2104</b>
GT SCHMIDT	A3195
InfoSight Corporation	A5144
Monode Marking Products	D47551
Pannier Corporation	A3516
Rocklin Manufacturing Co.	A3408
TIG Brush	B20008
Tocho Marking Systems America	A3534
TYKMA ElectroX	A5164

## MARKING EQUIPMENT - INKJET/PAINTJET/MARKERS

Arro-Mark Co LLC	A3440
Automated Layout Technology	A5154
FARO Tools	B22055
GT SCHMIDT	A3195
InfoSight Corporation	A5144
Magnetic Analysis Corp.	D46362
Markal	B29049
Pannier Corporation	A3516
Spraying Systems Co	A5842
Tocho Marking Systems America	A3534
U-Mark Inc	B37036
Zund America	A3332

## MARKING EQUIPMENT - LASER SYSTEMS

<b>Amada America Inc</b>	<b>A2104</b>
AZ Industrial Lasers	A3588
BesCutter Inc	A5724
FOBA Laser Marking + Engraving	A4492
GT SCHMIDT	A3195
InfoSight Corporation	A5144
Laser Marking Technologies/Laser Manufacturing Technologies LLC	B16038

Monode Marking Products	D47551
Oasis Scientific Inc	B37032
Pannier Corporation	A3516
RayTools USA	A5310
Rocklin Manufacturing Co.	A3408
SLTL Group (Sahajanand Laser Technology Ltd)	A5907
Tocho Marking Systems America	A3534
<b>TRUMPF Laser Technology</b>	<b>B18005</b>
<b>TRUMPF North America</b>	<b>A2904</b>
TYKMA ElectroX	A5164
<b>Vytek Laser Systems</b>	<b>A5306</b>

## MARKING EQUIPMENT - SIGNS/NAMEPLATES/LABELS

Graphic Products	A3177
InfoSight Corporation	A5144
Monode Marking Products	D47551
Pannier Corporation	A3516
RayTools USA	A5310
Tocho Marking Systems America	A3534
TYKMA ElectroX	A5164
<b>Vytek Laser Systems</b>	<b>A5306</b>

## MARKING EQUIPMENT - THERMAL/THERMAL TRANSFER

Peddinghaus Corporation	A1452, A2163
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## MASKING/SHIELDING SUPPLIES

<b>CAPPLUGS/SHERCON</b>	<b>D45634</b>
<b>Mighty Hook Inc</b>	<b>D45643</b>
Portwest LLC	B35019
The Tack Shield	B30071

## MASS FINISHING EQUIPMENT & MEDIA

Almco Inc	D46338
Frohn North America	D45047
Hammond Roto-Finish	D45973
Metalloid Corporation	D46352, D46943
United Surface Solutions LLC	D45372
<b>Venjakob North America Inc.</b>	<b>D45748</b>
Washington Mills Ceramics	D45753

## MATERIAL FEEDING EQUIPMENT

<b>Accra-Wire Controls Inc</b>	<b>D47351</b>
Behringer Saws Inc.	A3150
Doucet Machineries Inc	A5181
ERIEZ	A5950
<b>Fehr Warehouse Solutions Inc</b>	<b>A5007</b>
HEM Inc	A5325
HYDMECH	A4918
MPI Magnetic Products Inc	D46443
New London Engineering	B11050
Schelling America Inc	A3384
<b>Scotchman Industries Inc.</b>	<b>A3526, A3625</b>
<b>Venjakob North America Inc.</b>	<b>D45748</b>

## METAL CORED WIRES

<b>COR-MET INC</b>	<b>B34050</b>
Kalas	B33034

## METAL SERVICE CENTERS

Clayton Metals	D47536
<b>Fehr Warehouse Solutions Inc</b>	<b>A5007</b>
MD Metals	A3554
<b>Metal Center News</b>	<b>A5137</b>
Permadur Industries Inc	A3421
Phoenix Metals Co	A3238

## METAL SHAPES SUPPLIED - ANGLES

Eastern Metal Supply	A3360
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## METAL SHAPES SUPPLIED - BARS & RODS

Advanced Copper Alloys	D45976
Eastern Metal Supply	A3360
MD Metals	A3554
Zapp Precision Strip	D47448

## METAL SHAPES SUPPLIED - BEAMS & CHANNELS

Eastern Metal Supply	A3360
Stainless Structural LLC	A3304

## METALS SUPPLIED - ADVANCED HIGH STRENGTH STEELS

Zapp Precision Strip	D47448
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## METALS SUPPLIED - ALUMINUM/ALUMINUM ALLOYS

Alro Steel, Industrial & Plastics	A5070
Clayton Metals	D47536
Eastern Metal Supply	A3360
Lyon Metals LLC	A5072
Metal Supermarkets	A3470
Phoenix Metals Co	A3238
Rolled Metal Products	A5042
United Aluminum Corp	D46938

## METALS SUPPLIED - BRASS/BRASS ALLOYS

Alro Steel, Industrial & Plastics	A5070
Eagle Metals	D46440

## METALS SUPPLIED - BRONZE/BRONZE ALLOYS

Advanced Copper Alloys	D45976
Eagle Metals	D46440
SelfLube	D47341

## METALS SUPPLIED - COBALT ALLOYS

<b>Kennametal Inc</b>	<b>B20062</b>
Ulbrich Stainless Steels & Special Metals Inc	D47550

## METALS SUPPLIED - COPPER/COPPER ALLOYS

Advanced Copper Alloys	D45976
Alro Steel, Industrial & Plastics	A5070
BOHLER Tool Steels	D46838
Eagle Metals	D46440

**METALS SUPPLIED - COPPER/  
 COPPER ALLOYS**

Electron Beam Technologies Inc . . . . .	B23060
Metal Supermarkets . . . . .	A3470
Three D Metals Inc . . . . .	A3443
United Wire Co Inc . . . . .	D47156

**METALS SUPPLIED - HI-TEMP  
 ALLOYS**

Stainless Structural LLC . . . . .	A3304
Zapp Precision Strip . . . . .	D47448

**METALS SUPPLIED - NICKEL/  
 NICKEL ALLOYS**

Eagle Metals . . . . .	D46440
<b>Kenametal Inc . . . . .</b>	<b>B20062</b>
Lyon Metals LLC . . . . .	A5072
Rolled Metal Products . . . . .	A5042
Stainless Structural LLC . . . . .	A3304
Ulbrich Stainless Steels & Special Metals Inc . . . . .	D47550
United Wire Co Inc . . . . .	D47156
Zapp Precision Strip . . . . .	D47448

**METALS SUPPLIED - POWDER  
 METALS**

BOHLER Tool Steels . . . . .	D46838
Diehl Steel Co Inc . . . . .	D47250
Surface Flow Technologies Inc/LSN Diffusion Ltd . . . . .	B22056
Zapp Precision Strip . . . . .	D47448

**METALS SUPPLIED - PRECIOUS/  
 EXOTIC METALS**

Weld Metals Online . . . . .	B25034
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**METALS SUPPLIED - PRECOATED**

Phoenix Metals Co . . . . .	A3238
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**METALS SUPPLIED - STEEL  
 (CARBON)**

Airo Steel, Industrial & Plastics . . . . .	A5070
<b>Kenametal Inc . . . . .</b>	<b>B20062</b>
MD Metals . . . . .	A3554
Metal Supermarkets . . . . .	A3470
Phoenix Metals Co . . . . .	A3238
Precision Brand Products Inc . . . . .	D46656
Steel Craft Technologies . . . . .	D47537
Steel Plate . . . . .	A1437
Superior Die Set Corp . . . . .	D47130
TF Warren Group . . . . .	A3295
Three D Metals Inc . . . . .	A3443
United Wire Co Inc . . . . .	D47156
Zapp Precision Strip . . . . .	D47448

**METALS SUPPLIED - STEEL  
 (HIGH ALLOY)**

BOHLER Tool Steels . . . . .	D46838
Diehl Steel Co Inc . . . . .	D47250
Rolled Metal Products . . . . .	A5042
TF Warren Group . . . . .	A3295
Zapp Precision Strip . . . . .	D47448

**METALS SUPPLIED - STEEL  
 (LOW ALLOY)**

Diehl Steel Co Inc . . . . .	D47250
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**METALS SUPPLIED - STEEL  
 (STAINLESS)**

Airo Steel, Industrial & Plastics . . . . .	A5070
BOHLER Tool Steels . . . . .	D46838
Clayton Metals . . . . .	D47536
Diehl Steel Co Inc . . . . .	D47250
Eagle Metals . . . . .	D46440
<b>Kenametal Inc . . . . .</b>	<b>B20062</b>
Lyon Metals LLC . . . . .	A5072
Metal Supermarkets . . . . .	A3470
Phoenix Metals Co . . . . .	A3238
Precision Brand Products Inc . . . . .	D46656
Rolled Metal Products . . . . .	A5042
Stainless Structural LLC . . . . .	A3304
Ulbrich Stainless Steels & Special Metals Inc . . . . .	D47550
United Wire Co Inc . . . . .	D47156
Zapp Precision Strip . . . . .	D47448

**METALS SUPPLIED - STEEL  
 (TOOL)**

BOHLER Tool Steels . . . . .	D46838
Diehl Steel Co Inc . . . . .	D47250
Jepson Power Inc . . . . .	A3303
Zapp Precision Strip . . . . .	D47448

**METALS SUPPLIED - TITANIUM/  
 TITANIUM ALLOYS**

Rolled Metal Products . . . . .	A5042
Ulbrich Stainless Steels & Special Metals Inc . . . . .	D47550

**METALS TOLL PROCESSING  
 SERVICES**

Butech Bliss . . . . .	A3510
<b>Master Roll Manufacturing . . . . .</b>	<b>A3273</b>
MD Metals . . . . .	A3554
United Aluminum Corp . . . . .	D46938

**MILLWRIGHT SERVICES**

Lee Industrial Contracting . . . . .	D47032
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**MOTION CONTROL PRODUCTS**

5 Star Engineering . . . . .	D45971
Beckhoff Automation . . . . .	B13018
<b>Bosch Rexroth Corp . . . . .</b>	<b>A3124, B37062</b>
Delta Computer Systems Inc . . . . .	D47140
<b>Dynatec Manufacturing Inc . . . . .</b>	<b>A3435</b>
FlashCut CNC . . . . .	A5109
Harmonic Drive LLC . . . . .	B12032
IKO International Inc . . . . .	B12031
KEBA Corp . . . . .	B12017
<b>Kyntronics . . . . .</b>	<b>D47252</b>
<b>NUM AG . . . . .</b>	<b>B11029</b>
Robotmaster . . . . .	B17021
Two Technologies Inc . . . . .	B16008

**MOTORS**

Beckhoff Automation . . . . .	B13018
<b>Bosch Rexroth Corp . . . . .</b>	<b>A3124, B37062</b>
Harmonic Drive LLC . . . . .	B12032

JIE USA Inc . . . . .	A5852
<b>Michigan Pneumatic Tool Inc . . . . .</b>	<b>B22006</b>
<b>NUM AG . . . . .</b>	<b>B11029</b>

**NITROGEN DIE CYLINDERS**

Fibro Inc . . . . .	D47146
<b>Impax Tooling Solutions . . . . .</b>	<b>D46952</b>
Pascal Engineering Inc . . . . .	D47533
Ready Technology Inc . . . . .	D47449
Special Springs LLC . . . . .	D46661
STEINEL Normalien AG . . . . .	D47355

**NOISE CONTROL EQUIPMENT**

<b>Nordfab Ducting . . . . .</b>	<b>A3336</b>
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**NONDESTRUCTIVE TESTING  
 EQUIPMENT**

DeFelsko Corp . . . . .	D45140
Elcometer Inc . . . . .	D45551
<b>Element . . . . .</b>	<b>A1429</b>
Fischer Technology Inc . . . . .	D45251
Frohn North America . . . . .	D45047
INSPECTECH . . . . .	D46454
King Tester, Cianflone Scientific and Tensitron . . . . .	B23058
Magnetic Analysis Corp . . . . .	D46362
NDT Technologies Inc . . . . .	D45972
Oasis Scientific Inc . . . . .	B37032
Olympus America Inc . . . . .	B23065
Proceq USA Inc . . . . .	B25056
ProScale . . . . .	A1427
Rigaku Analytical Devices . . . . .	A3425
SciAps Inc . . . . .	B27059
Thermo Fisher Scientific . . . . .	A1327
ViewTech Borescopes . . . . .	B20066
Xiris Automation Inc . . . . .	B17040

**NOTCHING MACHINES**

<b>Boschert Precision Machinery Inc . . . . .</b>	<b>A5716</b>
COMEQ Inc . . . . .	A3650
DURMA North America . . . . .	A2143
Emmegi USA Inc . . . . .	A5127
Euromac . . . . .	A3650
GFU- Maschinenbau Tube End Forming Machines . . . . .	D46364
<b>Quantum Machinery Group . . . . .</b>	<b>B27026</b>
<b>Revolution Machine Tools . . . . .</b>	<b>A2988</b>
<b>Scotchman Industries Inc . . . . .</b>	<b>A3526, A3625</b>

**NOZZLES FOR FINISHING SPRAY  
 WASHERS**

<b>Combustion and Systems Inc . . . . .</b>	<b>D45036</b>
Spraying Systems Co . . . . .	A5842

**ONLINE SERVICES**

<b>American Welding Society . . . . .</b>	<b>B25008</b>
<b>AWS Bookstore . . . . .</b>	<b>B27008</b>
<b>Fabricating &amp; Metalworking Magazine . . . . .</b>	<b>A5170</b>
Industrial Machinery Digest . . . . .	A5162
Marketing Essentials LLC . . . . .	A3555
<b>Metal Center News . . . . .</b>	<b>A5137</b>
Products Finishing Magazine . . . . .	D45656

**ORNAMENTAL/SCROLL BENDERS**

Ercolina - CML USA Inc . . . . .	A5374
Quantum Machinery Group . . . . .	B27026
Scotchman Industries Inc. . . . .	A3526, A3625

**OTHER MACHINERY/EQUIPMENT/PARTS/PRODUCTS**

ACT Dust Collectors . . . . .	B21004
AZ Industrial Lasers . . . . .	A3588
Big Ass Fans . . . . .	A5945
Bunting-Newton . . . . .	A5141
CEIA USA Induction Heating Systems . . . . .	B16061
Chambrean SAS . . . . .	A5116
Daubert Cromwell . . . . .	D46755
Delta Industrial . . . . .	D47340
Dynatect Manufacturing Inc . . . . .	A3435
FARO Tools . . . . .	B22055
Fischer Engineering Co . . . . .	B22062
IKO International Inc . . . . .	B12031
IPG Photonics . . . . .	B27038
Kipp Inc . . . . .	A5004
Master Roll Manufacturing . . . . .	A3273
MELTRIC Corporation . . . . .	B25072
New London Engineering . . . . .	B11050
Ocean Machinery Inc . . . . .	A4943
OP USA Inc . . . . .	D46565
Paperboard Packaging Solutions . . . . .	D45975
Power Solutions Pro . . . . .	A5146
ProScale . . . . .	A1427
Rigid-Tex . . . . .	A3496
RollSeal Inc . . . . .	D45653
RUF Briquetting Systems . . . . .	A3397
Scotchman Industries Inc. . . . .	A3526, A3625
ShopBot Tools Inc . . . . .	A3584
Steel King Industries Inc . . . . .	A3344
Stor-Loc Corp . . . . .	A3594
Trim-Lok Inc . . . . .	A3362
Tsunami Compressed Air Solutions . . . . .	D45275
Ultralox . . . . .	D46865
Versatility Tool Works & Mfg Company Inc. . . . .	A5355

**OTHER MACHINING EQUIPMENT**

Elumatec North America Inc . . . . .	A3163
IKO International Inc . . . . .	B12031
Pat Mooney Inc . . . . .	A2981
Ultralox . . . . .	D46865
VOLLMER of America . . . . .	D46466

**OVENS FOR CURING PAINT & COATINGS**

Air and Liquid Systems Inc. . . . .	D45057
ALS Finishing Systems . . . . .	D45256
Amiberica Inc . . . . .	D45568
Carlisle Fluid Technologies . . . . .	D45347
Catalytic Industrial Systems . . . . .	D45241
ChemQuest Inc . . . . .	D45547
Combustion and Systems Inc. . . . .	D45036
GAT Finishing Systems . . . . .	D45340
General Fabrications Corp . . . . .	D45041
Hedson Technologies North America . . . . .	D45768
Heraeus . . . . .	D45158
HERR Industrial Inc . . . . .	D45175
Horizon Performance Technologies LLC . . . . .	D45156
LS Industries Inc . . . . .	D45151
Midwest Finishing Systems . . . . .	D45529

Nordson Corp . . . . .	D45325
Nutro Inc . . . . .	D45748
PEM Inc . . . . .	D45571
Pneu-Mech Systems Mfg . . . . .	D45763
RGI Spraybooths.Net . . . . .	D45477
RollSeal Inc. . . . .	D45653
Sistem Teknik Makina San Ve Tic AS (Electron) . . . . .	D45045
Spray Enclosure Technologies . . . . .	D45561
Sprimag Inc . . . . .	D45063
Therma-Tron-X Inc . . . . .	D45351
Trimac Industrial Systems . . . . .	D45224
Venjakob North America Inc. . . . .	D45748
Wenker Inc . . . . .	D45585

**OVENS FOR DRYING PARTS**

Carlisle Fluid Technologies . . . . .	D45347
Catalytic Industrial Systems . . . . .	D45241
Combustion and Systems Inc. . . . .	D45036
GAT Finishing Systems . . . . .	D45340
General Fabrications Corp . . . . .	D45041
Hedson Technologies North America . . . . .	D45768
Heraeus . . . . .	D45158
Horizon Performance Technologies LLC . . . . .	D45156
Midwest Finishing Systems . . . . .	D45529
Patriot Powder Coating . . . . .	D45385
PEM Inc . . . . .	D45571
Pneu-Mech Systems Mfg . . . . .	D45763
RGI Spraybooths.Net . . . . .	D45477
RollSeal Inc. . . . .	D45653
Therma-Tron-X Inc . . . . .	D45351
Trimac Industrial Systems . . . . .	D45224
Venjakob North America Inc. . . . .	D45748

**OVEN-TEMPERATURE MONITORS/CURING ANALYZERS - FINISHING**

Elcometer Inc . . . . .	D45551
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**OVERHEAD CONVEYORS**

Combustion and Systems Inc. . . . .	D45036
HERR Industrial Inc . . . . .	D45175
Nutro Inc . . . . .	D45748

**OXYFUEL/GAS CUTTING MACHINES**

Ajan Elektronik Servis Sanayi Ve Ticaret Ltd St. . . . .	A4514
AKS Cutting Systems Inc . . . . .	A3072
Genstar Technologies Co Inc (GENTEC) . . . . .	B33024
HGG Profiling Equipment Inc . . . . .	B31043
Kinetic Cutting Systems Inc. . . . .	A4439
Koike Aronson Inc . . . . .	B17016
Machitech Automation . . . . .	A3599
MultiCam Inc . . . . .	A4502
Ocean Machinery Inc . . . . .	A4943
Park Industries . . . . .	A5912
Peddinghaus Corporation . . . . .	A1452, A2163
ShopData Systems Inc . . . . .	A3479
Soitaab USA Inc . . . . .	A1332
Steel Craft Technologies . . . . .	D47537
Steel Plate . . . . .	A1437

**PACKAGING MACHINERY & COMPONENTS**

Allstrap Steel & Poly Strapping Systems . . . . .	A5014
Bishop-Wisecarver . . . . .	B12019

Dallan America Corp . . . . .	A5773
Fromm Packaging Systems . . . . .	A3172
JMR Industrial . . . . .	A5855
Packsize International LLC . . . . .	A4579
Pioneer IWS . . . . .	B33062
Rigid-Tex . . . . .	A3496
Samco Machinery Ltd . . . . .	A5112
SSC Controls Co . . . . .	B20070
TESEO SRL . . . . .	B13046
Welker Engineered Products . . . . .	B15053
Zerust Corrosion Solutions . . . . .	D47552

**PACKAGING MATERIALS**

Allstrap Steel & Poly Strapping Systems . . . . .	A5014
Applied Robotics Inc . . . . .	B18008
Daubert Cromwell . . . . .	D46755
Packsize International LLC . . . . .	A4579
Paperboard Packaging Solutions . . . . .	D45975
Schaefer Systems International, Inc. . . . .	A5315
Zerust Corrosion Solutions . . . . .	D47552

**PAINT AND POWDER COATING ROBOTS**

Air and Liquid Systems Inc. . . . .	D45057
IntelliFinishing . . . . .	D45540
LestaUSA . . . . .	D45368
Omnirobotic . . . . .	D45752
Sistem Teknik Makina San Ve Tic AS (Electron) . . . . .	D45045

**PAINT APPLICATION EQUIPMENT - LIQUID**

Arro-Mark Co LLC . . . . .	A3440
Carlisle Fluid Technologies . . . . .	D45347
Dürr Systems, Inc. . . . .	D45343
George Koch Sons LLC . . . . .	D45522
Graco Inc . . . . .	D45333
Hedson Technologies North America . . . . .	D45768
LestaUSA . . . . .	D45368
Nordson Corp . . . . .	D45325
Patriot Metal Finishing . . . . .	D45485
Patriot Powder Coating . . . . .	D45385
Sames Kremlin . . . . .	D45356
Sata Spray Equipment . . . . .	D45027
SKM Industries Inc . . . . .	B36019
Sprimag Inc . . . . .	D45063
TF Warren Group . . . . .	A3295
U-Mark Inc . . . . .	B37036
Wagner Industrial Inc . . . . .	D45147

**PAINT CIRCULATING SYSTEMS**

Carlisle Fluid Technologies . . . . .	D45347
Dürr Systems, Inc. . . . .	D45343
Graco Inc . . . . .	D45333
Sames Kremlin . . . . .	D45356

**PAINT DRUM ROTATORS, MIXERS, SHAKERS**

Dürr Systems, Inc. . . . .	D45343
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**PAINT MANUFACTURERS - LIQUID**

Arro-Mark Co LLC . . . . .	A3440
Carbit Paint Co . . . . .	D45124
Cardinal Paint and Powder . . . . .	D45749
Diamond Vogel Paint & Coatings . . . . .	D45758



### PAINT MANUFACTURERS - LIQUID

Klinger Paint Co . . . . .	D45055
Mankiewicz Coatings . . . . .	D45135
Patriot Metal Finishing . . . . .	D45485
Patriot Powder Coating . . . . .	D45385
PPG . . . . .	D45132
Sherwin-Williams . . . . .	D45524
SKM Industries Inc . . . . .	B36019
Tristar Coatings Ltd. . . . .	D45285
U-Mark Inc . . . . .	B37036

### PAINT OVERSPRAY RECYCLING/ RECOVERY SYSTEMS & SERVICES

AEREM Industrie Inc. . . . .	D45750
Combustion and Systems Inc. . . . .	D45036
Venjakob North America Inc. . . . .	D45748
Wenker Inc . . . . .	D45585

### PALLETIZERS/DEPALLETIZERS, STACKERS

Biele S A. . . . .	D46843
Dalmec Inc . . . . .	A3221
MPI Magnetic Products Inc . . . . .	D46443
Muratec . . . . .	A4901
New London Engineering . . . . .	B11050
Presto Ecoa Lifts. . . . .	A3141
Webb-Stiles Co. . . . .	D45635

### PANEL BENDERS

Automated Fabrication Systems. . . . .	A3176
Danobat . . . . .	A3176
DURMA North America . . . . .	A2143
HAEUSLER AG Duggingen. . . . .	A5338
MetalForming Inc. . . . .	A2958
Pivatic . . . . .	A4531
Prima Power North America Inc . . . . .	A2152
RAS Systems LLC. . . . .	A4950
Salvagnini America Inc. . . . .	A2950
Schwarze-Robitec GmbH . . . . .	D45943

### PICKLING EQUIPMENT

Allor Manufacturing Inc/Plesh Industries . . . . .	A3560
ASMAQ USA Inc . . . . .	D46448
Bradford Derustit Corp . . . . .	B27011
Capital Weld Cleaners . . . . .	B35021
Therma-Tron-X Inc . . . . .	D45351
TIG Brush . . . . .	B20008

### PIERCING MACHINES

AKH Inc. . . . .	B29067
BTM Company LLC . . . . .	A5184

### PLASMA CUTTING MACHINES & COMPONENTS

Ajan Elektronik Servis Sanayi Ve Ticaret Ltd St. . . . .	A4514
AKS Cutting Systems Inc . . . . .	A3072
American Torch Tip Co Inc. . . . .	B35043
Baykal Makina . . . . .	A2967
Bendmak Machinery. . . . .	A5738
Cincinnati Inc . . . . .	A5705
Controlled Automation Inc. . . . .	A3632
Daito Seiki Co Ltd . . . . .	A5937
Dener USA . . . . .	A2168
FICEP Corporation. . . . .	A4475

FlashCut CNC . . . . .	A5109
Geka USA . . . . .	A5543
Genstar Technologies Co Inc (GENTEC) . . . . .	B33024
HGG Profiling Equipment Inc . . . . .	B31043
Hypertherm Inc . . . . .	A4449, B17021
Kinetic Cutting Systems Inc. . . . .	A4439
Kjellberg Cutting, Inc. . . . .	A4586
Koike Aronson Inc . . . . .	B17016
Machitech Automation . . . . .	A3599
Messer Cutting Systems . . . . .	A4968
MultiCam Inc . . . . .	A4502
NUM AG . . . . .	B11029
Park Industries. . . . .	A5912
Peddinghaus Corporation . . . . .	A1452, A2163
ShopData Systems Inc . . . . .	A3479
Slatpro LLC. . . . .	A5106
Soitaab USA Inc . . . . .	A1332
Steel Plate . . . . .	A1437
TECOI . . . . .	A4973
Vicon Machinery LLC . . . . .	B31038

### PLATE & STRUCTURAL FABRICATING MACHINES

AGT Robotics . . . . .	B20045
AKS Cutting Systems Inc . . . . .	A3072
Akyapak USA . . . . .	A2174
Automated Fabrication Systems. . . . .	A3176
Bendmak Machinery. . . . .	A5738
Beveler USA Inc . . . . .	B27049
Boscher Precision Machinery Inc . . . . .	A5716
Eagle Laser. . . . .	A5731
FICEP Corporation. . . . .	A4475
Geka USA . . . . .	A5543
Hydradyne LLC . . . . .	A5020
Hypertherm Inc . . . . .	A4449, B17021
Kinetic Cutting Systems Inc. . . . .	A4439
Machitech Automation . . . . .	A3599
Nitto Kohki USA Inc. . . . .	A3563
Pacific Press Technologies . . . . .	A3426
Pandjiris Inc . . . . .	B21008
Peddinghaus Corporation . . . . .	A1452, A2163
Quantum Machinery Group. . . . .	B27026
Schelling America Inc . . . . .	A3384
ShopData Systems Inc . . . . .	A3479
Steel Plate . . . . .	A1437
Steelmax Tools . . . . .	B33041

### PLATE BENDING ROLLS

1960 SERAVESI. . . . .	A5134
Akyapak USA . . . . .	A2174
Allor Manufacturing Inc/Plesh Industries . . . . .	A3560
Bendmak Machinery. . . . .	A5738
Boscher Precision Machinery Inc . . . . .	A5716
COLE-TUVE Inc . . . . .	A4550
DAVI Inc . . . . .	A3639
FACCIN USA, INC. . . . .	A4912
HAEUSLER AG Duggingen. . . . .	A5338
Masteel America Corp . . . . .	A3198
MetalFinish LLC . . . . .	A3132
Quantum Machinery Group. . . . .	B27026
Revolution Machine Tools . . . . .	A2988
Trilogy Machinery Inc. . . . .	A4963
US Industrial Machinery Co . . . . .	A4568
Waldemar Design & Machine LLC. . . . .	A5039

### PNEUMATIC LIFTS, AERIAL WORK PLATFORMS/POSITIONERS

LPI Lift Systems . . . . .	D45543
Presto Ecoa Lifts. . . . .	A3141

### POLISHING MEDIA

Burr King Manufacturing Co . . . . .	A3381
Frohn North America. . . . .	D45047
Hammond Roto-Finish . . . . .	D45973
Washington Mills Ceramics. . . . .	D45753
Wendt USA LLC. . . . .	B37056

### POLISHING/SANDING/BUFFING EQUIPMENT

AM Machinery Sales Inc . . . . .	A3157
Apex Machine Group. . . . .	A5368
ARKU Inc . . . . .	A5538
boeck GmbH. . . . .	A3277
Burr King Manufacturing Co . . . . .	A3381
CGW Abrasives. . . . .	B31017
Doucet Machineries Inc . . . . .	A5181
Hammond Roto-Finish . . . . .	D45973
Hangzhou Xiangsheng Abrasive Machine Manufacturing Co. Ltd (Jonsen Sander) . . . . .	A3386
J&S Machine Inc . . . . .	A3301, D45723
LISSMAC Corp . . . . .	A4924
Metabo Power Tools . . . . .	B29059
Midwest Automation . . . . .	A4538
sia Abrasives . . . . .	B35015
Timesavers LLC . . . . .	A3114
United Abrasives Inc /SAIT . . . . .	B31041
Urrea Professional Tools. . . . .	B25065

### POLLUTION CONTROL EQUIPMENT

Ace Industrial Products . . . . .	B37015
ACT Dust Collectors . . . . .	B21004
DualDraw LLC. . . . .	B37050
Keep The Heat . . . . .	A5746
Keller USA Inc . . . . .	A5146
Nordfab Ducting. . . . .	A3336
Pleatco Filtration . . . . .	B29073
Ruwac Industrial Vacuums . . . . .	D45052
TIGER-VAC USA INC . . . . .	A1409
Vanterm Isi Ve Makina San Tic AS . . . . .	B18042

### POLLUTION CONTROL EQUIPMENT - FINISHING

Pleatco Filtration. . . . .	B29073
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### POLLUTION CONTROL SYSTEMS (ENGINEERING & DESIGN) - FINISHING

Air and Liquid Systems Inc. . . . .	D45057
Pleatco Filtration . . . . .	B29073

### PORTABLE POWER TOOLS

Chicago Pneumatic Tool Company LLC . . . . .	B33021
Dynabrade Inc . . . . .	B25060
Exact Pipe Tools Inc . . . . .	A4489
Holemaker Technology LLC . . . . .	B17065
Metabo Power Tools . . . . .	B29059
Michigan Pneumatic Tool Inc . . . . .	B22006
TRUMPF Laser Technology . . . . .	B18005
TRUMPF North America . . . . .	A2904

Vessel/SP Air	B25057
Walter Surface Technologies	B35060
Wendt USA LLC	B37056

## POWDER COATING APPLICATION & RECOVERY EQUIPMENT

<b>AIS Finishing Systems</b>	<b>.D45256</b>
BPE Group	D45071
<b>Carlisle Fluid Technologies</b>	<b>.D45347</b>
<b>Combustion and Systems Inc.</b>	<b>.D45036</b>
<b>Gema USA Inc</b>	<b>.D45337</b>
IP Automation	D46547
Nordson Corp	D45325
Parker Engineering of America	D45129
Patriot Powder Coating	D45385
Pollution Control Products Co	D45054
Powder Coating Institute	D45032
RGI Spraybooths.Net	D45477
<b>Sames Kremlin</b>	<b>.D45356</b>
Sistem Teknik Makina San Ve Tic AS (Electron)	D45045
TF Warren Group	A3295

## POWDER COATING SIEVES, SCREENING DEVICES, SIFTERS

<b>Carlisle Fluid Technologies</b>	<b>.D45347</b>
<b>Gema USA Inc</b>	<b>.D45337</b>

## POWDER COATINGS MANUFACTURERS

AkzoNobel Powder Coatings	D45226
American Grinders Inc	D45572
Axalta Coating Systems	D45122
Cardinal Paint and Powder	D45749
<b>Combustion and Systems Inc.</b>	<b>.D45036</b>
Decoral System USA Corp	D45249
Diamond Vogel Paint & Coatings	D45758
IFS Coatings Inc	D45537
Keyland Polymer UV Powder LLC	D45541
Mid America Powder Coating	D45066
Patriot Metal Finishing	D45485
Patriot Powder Coating	D45385
Powder Coating Institute	D45032
PPG	D45132
Sherwin-Williams	D45524
TCl Powder Coatings	D45154

## POWDER SUPPLIES FOR ELECTROSTATIC PROCESSES

<b>Gema USA Inc</b>	<b>.D45337</b>
IFS Coatings Inc	D45537

## POWDERED METAL PARTS

Overton Industries Tool & Die	D47151
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## POWER TRANSMISSION PRODUCTS

Harmonic Drive LLC	B12032
JIE USA Inc	A5852
Torque Technologies/Goizper	D47240

## PRESS AUTOMATION TRANSFER EQUIPMENT

<b>Amada Press System America</b>	<b>.D46735</b>
BCN Technical Services Inc.	D47155

DREHER Automation	D47323
<b>Gudel Inc</b>	<b>.B27041</b>
HMS Products Co	D47049
JIER North America	D47135
MPI Magnetic Products Inc	D46443
Norgren Automation Solutions, LLC	D46840
<b>Pacific Press Technologies</b>	<b>.A3426</b>
Pascal Engineering Inc	D47533
<b>SIMPAC America Co Ltd</b>	<b>.D46931</b>
Staubli Corp	B15031
Unico Inc	D47424
Welker Engineered Products	B15053

## PRESS BRAKES (ALL-ELECTRIC)

<b>Amada America Inc</b>	<b>.A2104</b>
<b>Automated Fabrication Systems</b>	<b>.A3176</b>
<b>Automec Inc</b>	<b>.A3262</b>
<b>BLM Group</b>	<b>.A2935</b>
<b>Boschert Precision Machinery Inc</b>	<b>.A5716</b>
<b>Cincinnati Inc.</b>	<b>.A5705</b>
<b>Dener USA</b>	<b>.A2168</b>
DURMA North America	A2143
<b>Ehrt North America</b>	<b>.A3187</b>
Euromac	A3650
HK Laser & Systems	A3675
International Technologies Inc.	A3503
<b>Lazer Safe Pty Ltd</b>	<b>.A3364</b>
<b>Mid Atlantic Machinery Automation</b>	<b>.A3187</b>
Midwest Tool Inc	A3434
Ohio Laser LLC	A3450
<b>Pacific Press Technologies</b>	<b>.A3426</b>
<b>Prima Power North America Inc</b>	<b>.A2152</b>
<b>Revolution Machine Tools</b>	<b>.A2988</b>
<b>Safan Darley B.V.</b>	<b>.A2158</b>
<b>Salvagnini America Inc.</b>	<b>.A2950</b>
<b>TRUMPF Laser Technology</b>	<b>.B18005</b>
<b>TRUMPF North America</b>	<b>.A2904</b>

## PRESS BRAKES (HYDRAULIC)

Accurpress	A3643
Alternative Parts Inc	A3244
<b>Amada America Inc</b>	<b>.A2104</b>
<b>Automated Fabrication Systems</b>	<b>.A3176</b>
<b>Automec Inc</b>	<b>.A3262</b>
Baykal Makina	A2967
<b>Boschert Precision Machinery Inc</b>	<b>.A5716</b>
<b>Bystronic Inc</b>	<b>.A2126</b>
<b>Cincinnati Inc.</b>	<b>.A5705</b>
DURMA North America	A2143
<b>Ehrt North America</b>	<b>.A3187</b>
Euromac	A3650
<b>Haeger Inc. A Pennengineering Company.</b>	<b>.A3108</b>
HK Laser & Systems	A3675
<b>Lazer Safe Pty Ltd</b>	<b>.A3364</b>
<b>MachineTools.com</b>	<b>.A3388</b>
<b>Masteel America Corp</b>	<b>.A3198</b>
<b>Pacific Press Technologies</b>	<b>.A3426</b>
Perfection Global LLC	A3306
Press Brake Repair	A3005
<b>Quantum Machinery Group</b>	<b>.B27026</b>
<b>Revolution Machine Tools</b>	<b>.A2988</b>
<b>Safan Darley B.V.</b>	<b>.A2158</b>
<b>Trilogy Machinery Inc.</b>	<b>.A4963</b>
<b>TRUMPF Laser Technology</b>	<b>.B18005</b>
<b>TRUMPF North America</b>	<b>.A2904</b>
<b>Ursviken Inc.</b>	<b>.A4531</b>

US Industrial Machinery Co	A4568
Viela	A3650
<b>Wila USA</b>	<b>.A3120</b>
Wysong	A3541

## PRESS BRAKES (HYDROMECHANICAL)

Accurpress	A3643
<b>Automec Inc.</b>	<b>.A3262</b>
<b>HAEUSLER AG Duggingen</b>	<b>.A5338</b>

## PRESS BRAKES (MECHANICAL)

Accurpress	A3643
<b>Automec Inc.</b>	<b>.A3262</b>
Press Brake Repair	A3005

## PRESS BRAKES (PNEUMATIC)

<b>Automec Inc.</b>	<b>.A3262</b>
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## PRESS CONTROLS

Delta Computer Systems Inc.	D47140
Link Systems	D46946
S.M.A.R.T. Services	A3275
Toledo Integrated Systems/Toledo Transducers	D46758
<b>Wintriss Controls Group LLC</b>	<b>.D47335</b>

## PRESS FEEDS

<b>Amada Press System America</b>	<b>.D46735</b>
HMS Products Co	D47049
<b>SIMPAC America Co Ltd</b>	<b>.D46931</b>

## PRESSES - DEEP DRAWING

Alma Machinery Co.	D47528
BCN Technical Services Inc.	D47155
Hursan Pres	D46863
JIER North America	D47135
<b>Multipress Inc</b>	<b>.D46727</b>
Pascal Engineering Inc	D47533
<b>Revolution Machine Tools</b>	<b>.A2988</b>
<b>TRUMPF North America</b>	<b>.A2904</b>

## PRESSES - DISHING

1960 SERAVESI	A5134
BCN Technical Services Inc.	D47155

## PRESSES - FINEBLANKING

BCN Technical Services Inc.	D47155
Bruderer Machinery	D46724
Hursan Pres	D46863

## PRESSES - FORGING

BCN Technical Services Inc.	D47155
<b>CEIA USA Induction Heating Systems</b>	<b>.B16061</b>

## PRESSES - HOT STAMPING

Alma Machinery Co.	D47528
Beckwood Press Co	D46747
Norgren Automation Solutions, LLC	D46840
Schuler Inc.	D46935
SEYI America Inc.	D46333
<b>SIMPAC America Co Ltd</b>	<b>.D46931</b>

**PRESSES - HYDRAULIC  
(COLUMN STYLE/POST)**

Beckwood Press Co . . . . .	D46747
Biele S A . . . . .	D46843
Hursan Pres . . . . .	D46863
Multipress Inc . . . . .	D46727
Pacific Press Technologies . . . . .	A3426
Revolution Machine Tools . . . . .	A2988
TEKFAB Inc . . . . .	A3497
TOX Pressotechnik LLC . . . . .	D47356

**PRESSES - HYDRAULIC  
(GAP/C FRAME)**

1960 SERAVESI . . . . .	A5134
Alma Machinery Co . . . . .	D47528
Beckwood Press Co . . . . .	D46747
Hursan Pres . . . . .	D46863
Multipress Inc . . . . .	D46727
Pacific Press Technologies . . . . .	A3426
Revolution Machine Tools . . . . .	A2988

**PRESSES - HYDRAULIC  
(SERVO-DRIVE)**

Kyntronics . . . . .	D47252
Multipress Inc . . . . .	D46727
Pacific Press Technologies . . . . .	A3426
Schuler Inc . . . . .	D46935

**PRESSES - HYDRAULIC  
(STRAIGHT SIDE)**

Alma Machinery Co . . . . .	D47528
Hursan Pres . . . . .	D46863
Pacific Press Technologies . . . . .	A3426
SIMPAC America Co Ltd . . . . .	D46931

**PRESSES - HYDROFORMING  
(SHEET)/ELASTOFORMING/  
RUBBER PAD**

BCN Technical Services Inc . . . . .	D47155
Beckwood Press Co . . . . .	D46747
FluidForming Americas . . . . .	D47054
Schuler Inc . . . . .	D46935

**PRESSES - MECHANICAL  
(GAP/C FRAME)**

Alma Machinery Co . . . . .	D47528
Amada Press System America . . . . .	D46735
BCN Technical Services Inc . . . . .	D47155
JIER North America . . . . .	D47135
SEYI America Inc . . . . .	D46333
SIMPAC America Co Ltd . . . . .	D46931

**PRESSES - MECHANICAL  
(SERVO-DRIVE)**

Amada Press System America . . . . .	D46735
JIER North America . . . . .	D47135
Kyntronics . . . . .	D47252
Schuler Inc . . . . .	D46935
SEYI America Inc . . . . .	D46333
SIMPAC America Co Ltd . . . . .	D46931
TOX Pressotechnik LLC . . . . .	D47356
Weil Technology North America . . . . .	A3218

**PRESSES - MECHANICAL  
(STRAIGHT SIDE)**

Alma Machinery Co . . . . .	D47528
Amada Press System America . . . . .	D46735
ART Metals Group . . . . .	D47152
BCN Technical Services Inc . . . . .	D47155
JIER North America . . . . .	D47135
Perfection Global LLC . . . . .	A3306
SEYI America Inc . . . . .	D46333
SIMPAC America Co Ltd . . . . .	D46931
Weil Technology North America . . . . .	A3218

**PRESSES - PNEUMATIC**

BTM Company LLC . . . . .	A5184
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**PRESSES - PUNCH (SINGLE  
STATION)**

Boschert Precision Machinery Inc . . . . .	A5716
BTM Company LLC . . . . .	A5184
Geka USA . . . . .	A5543
Haeger Inc. A Pennengineering Company . . . . .	A3108
Trilogy Machinery Inc . . . . .	A4963

**PRESSES - PUNCH (TURRET)**

Alternative Parts Inc . . . . .	A3244
Amada America Inc . . . . .	A2104
Automated Fabrication Systems . . . . .	A3176
Baykal Makina . . . . .	A2967
Boschert Precision Machinery Inc . . . . .	A5716
DURMA North America . . . . .	A2143
Euromac . . . . .	A3650
Muratec . . . . .	A4901
Ohio Laser LLC . . . . .	A3450
Perfection Global LLC . . . . .	A3306
Prima Power North America Inc . . . . .	A2152
Produtech . . . . .	A3176
Replacement Brush Tables . . . . .	A3288
Salvagnini America Inc . . . . .	A2950
Striker Systems . . . . .	A3346

**PRESSES - TRANSFER**

Amada Press System America . . . . .	D46735
Automated Tapping Systems . . . . .	D46829
BCN Technical Services Inc . . . . .	D47155
Gudel Inc . . . . .	B27041
HMS Products Co . . . . .	D47049
JIER North America . . . . .	D47135
SEYI America Inc . . . . .	D46333
SIMPAC America Co Ltd . . . . .	D46931
T-Sim Solutions . . . . .	D46527
Unico Inc . . . . .	D47424

**PRESSURE REGULATORS/  
VALVES/FLOW METERS (GAS)**

Flame Tech . . . . .	B22053
Goss Inc . . . . .	B16055
Koike Aronson Inc . . . . .	B17016
Uniweld Products Inc . . . . .	B29076
WITT Gas Controls . . . . .	B36021

**PRETREATMENT CHEMICALS -  
FINISHING**

Atotech USA LLC . . . . .	D45565
Circle-Prosco Inc . . . . .	D45375
CPR Systems . . . . .	D45764

DuBois Chemicals Inc . . . . .	D45532
Henkel Corp . . . . .	D45549
Kyzen Corporation . . . . .	D45263
MacDermid Envio Solutions (formerly known as DMP Corporation) . . . . .	D45262
Patriot Powder Coating . . . . .	D45385
Troy Chemical . . . . .	D45685

**PROFILE CUTTING MACHINERY**

Cincinnati Inc . . . . .	A5705
Eagle Laser . . . . .	A5731
ESCO Tool Company . . . . .	B37012
Heck Industries . . . . .	A5131
Kinetic Cutting Systems Inc . . . . .	A4439
Kistler Welding and Cutting Automation . . . . .	B20060
LINSINGER . . . . .	A5568
Machitech Automation . . . . .	A3599
Ocean Machinery Inc . . . . .	A4943
Park Industries . . . . .	A5912
Peddinghaus Corporation . . . . .	A1452, A2163
Toolmen Corp . . . . .	A5839
Vulcan Tool Company . . . . .	D46658

**PROXIMITY SWITCHES**

Lasermet Inc . . . . .	B18058
TR Electronic . . . . .	B11043

**PUBLISHING**

3D/Additive Manufacturing Showcase . . . . .	A1220
American Technical Publishers . . . . .	B25054
American Welding Society . . . . .	B25008
AWS Bookstore . . . . .	B27008
Chemical Coaters Assoc International . . . . .	D45329
Design 2 Part . . . . .	A1431
Fabricating & Metalworking Magazine . . . . .	A5170
Fabricators & Manufacturers Assoc Intl (FMA) . . . . .	A3654
FF Journal/Modern Metals . . . . .	A5015
GIE Media Inc . . . . .	A1417
Industrial Machinery Digest . . . . .	A5162
IPCM International Paint & Coating Magazine . . . . .	D45155
Manufacturing News . . . . .	A3591
Metal Center News . . . . .	A5137
Powder Coated Tough . . . . .	D45033
Powder Coating Institute . . . . .	D45032
Products Finishing Magazine . . . . .	D45656
Sanpo Publications Incorporated . . . . .	B23066
SME ZONE . . . . .	A3614
The Fabricator Magazine . . . . .	A3654

**PUMPS - FINISHING**

Carlisle Fluid Technologies . . . . .	D45347
Dürr Systems, Inc . . . . .	D45343
Gema USA Inc . . . . .	D45337
Graco Inc . . . . .	D45333
Sames Kremlin . . . . .	D45356
Scientific Industrial Nano Engineering - SINE . . . . .	D45851
Wagner Industrial Inc . . . . .	D45147

**PUNCHING - CNC BUS BAR**

Boschert Precision Machinery Inc . . . . .	A5716
Ehrt North America . . . . .	A3187

**PUNCHING - COIL FED CNC**

ASC Machine Tools . . . . .A3462  
 Automated Fabrication Systems . . . . .A3176  
 Dallan America Corp . . . . .A5773  
 Danobat . . . . .A3176  
 Dimeco . . . . .A3093  
 Pivatic . . . . .A4531  
 Produtech . . . . .A3176

**PUNCHING - PUNCH-LASER COMBINATION**

Amada America Inc . . . . .A2104  
 Automated Fabrication Systems . . . . .A3176  
 Boschert Precision Machinery Inc . . . . .A5716  
 Dallan America Corp . . . . .A5773  
 Dimeco . . . . .A3093  
 Muratec . . . . .A4901  
 Pivatic . . . . .A4531  
 Prima Power North America Inc . . . . .A2152  
 Produtech . . . . .A3176  
 Replacement Brush Tables . . . . .A3288  
 TRUMPF Laser Technology . . . . .B18005  
 TRUMPF North America . . . . .A2904

**PUNCHING - PUNCH-PLASMA COMBINATION**

Boschert Precision Machinery Inc . . . . .A5716  
 FICEP Corporation . . . . .A4475  
 Muratec . . . . .A4901

**PURGING EQUIPMENT - GASES**

Air Products and Chemicals Inc . . . . .A1416  
 COB Industries Inc . . . . .B16017  
 Generon . . . . .A3376  
 Holtec Gas Systems . . . . .A3297  
 MSS Nitrogen Inc . . . . .A3073  
 South Tek Systems . . . . .A3393

**PURGING EQUIPMENT - WELDING**

CK Worldwide . . . . .B33018  
 CO2Meter . . . . .B22054  
 COB Industries Inc . . . . .B16017  
 Mathey, B&B Pipe, PPM, Fit-Up Pro, TAG Pipe . . . . .B23045  
 MSS Nitrogen Inc . . . . .A3073  
 Sumner A Southwire Company . . . . .B37024

**QUICK DIE CHANGE SYSTEMS OR ENGINEERING**

ATI Industrial Automation . . . . .B23036  
 EAS Mold & Die Change Systems Inc . . . . .D46861  
 Green Valley Manufacturing Inc . . . . .D46655  
 Industrial Innovations Inc . . . . .D47346  
 K&K Tool and Die Inc . . . . .D46665  
 Kosmek USA . . . . .B11038  
 Lenzes Clamping Tools Inc . . . . .D46761  
 Marion Die & Fixture . . . . .A5052  
 Pascal Engineering Inc . . . . .D47533  
 Roemheld . . . . .D47343  
 Roller USA . . . . .A3368  
 Staubli Corp . . . . .B15031

**RACKS, FIXTURES, HOOKS & HANGERS FOR PAINTING PROCESSES**

Mighty Hook Inc . . . . .D45643

**REPLACEMENT PARTS - MACHINERY/EQUIPMENT**

Alternative Parts Inc . . . . .A3244  
 Carlisle Fluid Technologies . . . . .D45347  
 Dynatec Manufacturing Inc . . . . .A3435  
 Kipp Inc . . . . .A5004  
 Master Roll Manufacturing . . . . .A3273  
 Midwest Automation . . . . .A4538  
 Newall Electronics Inc . . . . .B12020  
 Orttch Inc . . . . .D47333  
 Power Solutions Pro . . . . .A5146  
 Replacement Brush Tables . . . . .A3288  
 SKM Industries Inc . . . . .B36019  
 Timesavers LLC . . . . .A3114  
 Wheelabrator Group . . . . .D45137

**RESEARCH & DEVELOPMENT SERVICES**

Center for Naval Metalworking (CNM) . . . . .B18006  
 COACT . . . . .D46441

**ROBOTIC EQUIPMENT - ASSEMBLY**

ABB Robotics & Discrete Automation . . . . .B17038  
 Abka Yazilim Otomasyon Ltd Sti . . . . .B12034  
 AKH Inc . . . . .B29067

ALM Positioners Inc . . . . .B31026  
 Apex Dynamics . . . . .B16006  
 Applied Robotics Inc . . . . .B18008  
 ARC Specialties Inc . . . . .B15015  
 ATI Industrial Automation . . . . .B23036  
 Bishop-Wisecarver . . . . .B12019  
 Bosch Rexroth Corp . . . . .A3124, B37062  
 FANUC America Corp . . . . .B23022, D45535  
 GAM Enterprises . . . . .B12046  
 IP Automation . . . . .D46547  
 Jenoptik Automotive North America LLC . . . . .B25036  
 J-Tech Design . . . . .D47324  
 Kawasaki Robotics (USA) Inc . . . . .B17048  
 Melton Machine & Control Co . . . . .B15038  
 Nabtesco . . . . .B11015  
 Taylor-Winfield Technologies . . . . .B15012  
 Wauseon Machine & Manufacturing Inc . . . . .D45738  
 Waypoint Robotics Inc . . . . .B12024  
 Yaskawa Motoman Robotics . . . . .B20034

**ROBOTIC EQUIPMENT - CUTTING**

ABB Robotics & Discrete Automation . . . . .B17038  
 AGT Robotics . . . . .B20045  
 AKS Cutting Systems Inc . . . . .A3072  
 Apex Dynamics . . . . .B16006  
 ARC Specialties Inc . . . . .B15015  
 ATI Industrial Automation . . . . .B23036  
 XYZ Routers . . . . .A5350  
 BLM Group . . . . .A2935  
 FICEP Corporation . . . . .A4475  
 Flow Waterjet . . . . .A4931



### ROBOTIC EQUIPMENT - CUTTING

HGG Profiling Equipment Inc . . . . .	B31043
IPG Photonics . . . . .	B27038
Jenoptik Automotive North America LLC . . . . .	B25036
Flow Waterjet . . . . .	A4931
Jet Edge . . . . .	A4562
Laser Mechanisms Inc . . . . .	B15026
Machitech Automation . . . . .	A3599
MultiCam Inc . . . . .	A4502
OTC DAIHEN Inc . . . . .	B27021
Peddinghaus Corporation . . . . .	A1452, A2163
Sumig USA Corp . . . . .	B33030
Vectis Automation . . . . .	B17054
Yaskawa Motoman Robotics . . . . .	B20034
Zund America . . . . .	A3332

### ROBOTIC EQUIPMENT - DEBURRING/GRINDING/ POLISHING

ABB Robotics & Discrete Automation . . . . .	B17038
Applied Robotics Inc . . . . .	B18008
ARC Specialties Inc . . . . .	B15015
ATI Industrial Automation . . . . .	B23036
CGW Abrasives . . . . .	B31017
FINISHLINE . . . . .	A3187
Hammond Roto-Finish . . . . .	D45973
Kawasaki Robotics (USA) Inc . . . . .	B17048
Melton Machine & Control Co. . . . .	B15038
Mid Atlantic Machinery Automation . . . . .	A3187
OTC DAIHEN Inc . . . . .	B27021
Robotic Technologies of Tennessee LLC . . . . .	B34056
Sigma DT Robotics . . . . .	B17026
Suhner Industrial Products Inc . . . . .	B23008
Taylor-Winfield Technologies . . . . .	B15012
Yaskawa Motoman Robotics . . . . .	B20034

### ROBOTIC EQUIPMENT - FINISHING

ABB Robotics & Discrete Automation . . . . .	B17038
ARC Specialties Inc . . . . .	B15015
ATI Industrial Automation . . . . .	B23036
Dürr Systems, Inc. . . . .	D45343
FINISHLINE . . . . .	A3187
Gema USA Inc . . . . .	D45337
IP Automation . . . . .	D46547
Melton Machine & Control Co. . . . .	B15038
Mid Atlantic Machinery Automation . . . . .	A3187
Nutro Inc . . . . .	D45748
System Technologies . . . . .	D45161
Yaskawa Motoman Robotics . . . . .	B20034

### ROBOTIC EQUIPMENT - LASER VISION

ABB Robotics & Discrete Automation . . . . .	B17038
Accurex Measurement Inc . . . . .	D46368
JR Automation . . . . .	B23025
Melton Machine & Control Co. . . . .	B15038
SERVO-ROBOT . . . . .	B15029

### ROBOTIC EQUIPMENT - MACHINING

ABB Robotics & Discrete Automation . . . . .	B17038
Apex Dynamics . . . . .	B16006
ARC Specialties Inc . . . . .	B15015
ATI Industrial Automation . . . . .	B23036
Suhner Industrial Products Inc . . . . .	B23008
Yaskawa Motoman Robotics . . . . .	B20034

### ROBOTIC EQUIPMENT - MATERIAL HANDLING/TENDING

ABB Robotics & Discrete Automation . . . . .	B17038
ACCUFACTURE LLC . . . . .	B12036
Amada Press System America . . . . .	D46735
ARC Specialties Inc . . . . .	B15015
ATI Industrial Automation . . . . .	B23036
Biele S A. . . . .	D46843
Bosch Rexroth Corp . . . . .	A3124, B37062
CMS North America Inc. . . . .	A5755
Electron Beam Technologies Inc . . . . .	B23060
FANUC America Corp. . . . .	B23022, D45535
Fehr Warehouse Solutions Inc . . . . .	A5007
Industrial Innovations Inc . . . . .	D47346
Jenoptik Automotive North America LLC . . . . .	B25036
Kyntronics . . . . .	D47252
Manchester Tool & Die Inc. . . . .	D46549
Melton Machine & Control Co. . . . .	B15038
MITUSA Inc. . . . .	B15043
Nabtesco . . . . .	B11015
New London Engineering . . . . .	B11050
Nutro Inc . . . . .	D45748
OTC DAIHEN Inc . . . . .	B27021
Salvagnini America Inc. . . . .	A2950
Sigma DT Robotics . . . . .	B17026
Staubli Corp . . . . .	B15031
Waypoint Robotics Inc . . . . .	B12024
Yaskawa Motoman Robotics . . . . .	B20034
YLM USA Inc. . . . .	D45723

### ROBOTIC EQUIPMENT - PAINTING/FINISHING

ABB Robotics & Discrete Automation . . . . .	B17038
BlastOne . . . . .	B13041, D45134
Carlisle Fluid Technologies . . . . .	D45347
Gema USA Inc . . . . .	D45337
LestaUSA . . . . .	D45368
Nordson Corp . . . . .	D45325
Omnirobotic . . . . .	D45752
Robotic Technologies of Tennessee LLC . . . . .	B34056
Scientific Industrial Nano Engineering - SINE . . . . .	D45851
Venjakob North America Inc. . . . .	D45748
Yaskawa Motoman Robotics . . . . .	B20034

### ROBOTIC EQUIPMENT - ROBOT TOOLING/GRIPPERS

Accurpress . . . . .	A3643
ATI Industrial Automation . . . . .	B23036
Industrial Magnetics Inc. . . . .	A4555
Jenoptik Automotive North America LLC . . . . .	B25036
Kawasaki Robotics (USA) Inc . . . . .	B17048
Mid Atlantic Machinery Automation . . . . .	A3187
NB Corporation of America . . . . .	B12048
Norgren Automation Solutions, LLC . . . . .	D46840
Staubli Corp . . . . .	B15031
Suhner Industrial Products Inc . . . . .	B23008
Wila USA . . . . .	A3120

### ROBOTIC EQUIPMENT - WELDING (ARC)

ABB Robotics & Discrete Automation . . . . .	B17038
Abka Yazilim Otomasyon Ltd Sti . . . . .	B12034
AGT Robotics . . . . .	B20045
American Torch Tip Co Inc. . . . .	B35043
Arc Solutions Inc . . . . .	B33032
ARC Specialties Inc. . . . .	B15015

Astro Arc Polysoude Inc . . . . .	B27056
Bystronic Inc . . . . .	A2126
FANUC America Corp. . . . .	B23022, D45535
IDEAL . . . . .	B35012
JR Automation . . . . .	B23025
Kawasaki Robotics (USA) Inc . . . . .	B17048
Linde plc. . . . .	B20025
Melton Machine & Control Co. . . . .	B15038
Novarc Technologies Inc . . . . .	B23034
Ocean Machinery Inc . . . . .	A4943
Oqton Inc . . . . .	B15017
OTC DAIHEN Inc . . . . .	B27021
Pador Group - Rotoweld . . . . .	B35034
Path Robotics Inc . . . . .	B13034
Peddinghaus Corporation . . . . .	A1452, A2163
Preston Eastin. . . . .	B16060
Robotic Technologies of Tennessee LLC . . . . .	B34056
SERVO-ROBOT . . . . .	B15029
Sumig USA Corp . . . . .	B33030
Taylor-Winfield Technologies . . . . .	B15012
THG Automation LLC . . . . .	B16036
Vectis Automation . . . . .	B17054
Weldobot . . . . .	B22060
Yaskawa Motoman Robotics . . . . .	B20034

### ROBOTIC EQUIPMENT - WELDING (LASER)

ABB Robotics & Discrete Automation . . . . .	B17038
ARC Specialties Inc . . . . .	B15015
IPG Photonics . . . . .	B27038
Jenoptik Automotive North America LLC . . . . .	B25036
JR Automation . . . . .	B23025
Kawasaki Robotics (USA) Inc . . . . .	B17048
Laser Mechanisms Inc . . . . .	B15026
Lasermet Inc . . . . .	B18058
LightSAFE - LightWELD . . . . .	B27066
Melton Machine & Control Co. . . . .	B15038
Sumig USA Corp . . . . .	B33030
TRUMPF Laser Technology . . . . .	B18005
TRUMPF North America . . . . .	A2904
Yaskawa Motoman Robotics . . . . .	B20034

### ROBOTIC EQUIPMENT - WELDING (RESISTANCE)

ARC Specialties Inc . . . . .	B15015
IDEAL . . . . .	B35012
IPG Photonics . . . . .	B27038
JR Automation . . . . .	B23025
T. J. Snow Company . . . . .	B28012
Taylor-Winfield Technologies . . . . .	B15012
Yaskawa Motoman Robotics . . . . .	B20034

### ROBOTICS - SUPPORT SERVICES

Mid Atlantic Machinery Automation . . . . .	A3187
Yaskawa Motoman Robotics . . . . .	B20034

### ROBOTICS - SYSTEM INTEGRATION

Abka Yazilim Otomasyon Ltd Sti . . . . .	B12034
ACCUFACTURE LLC . . . . .	B12036
Aimtek Inc . . . . .	B18065
Arnold Machine Inc Automation/FMT Parts Washers . . . . .	D45268
Automated Fabrication Systems. . . . .	A3176
Gudel Inc . . . . .	B27041
Lasermet Inc . . . . .	B18058

Mid Atlantic Machinery Automation . . . . .	A3187
MJC Engineering & Technology Inc . . . . .	D47148
Muratec . . . . .	A4901
Sigma DT Robotics . . . . .	B17026
Sumig USA Corp . . . . .	B33030
Taylor-Winfield Technologies . . . . .	B15012
Vectis Automation . . . . .	B17054
Waypoint Robotics Inc . . . . .	B12024
Yaskawa Motoman Robotics . . . . .	B20034

## ROBOTS - INDUSTRIAL

ABB Robotics & Discrete Automation . . . . .	B17038
ACCUFACTURE LLC . . . . .	B12036
Amada Press System America . . . . .	D46735
Gudel Inc . . . . .	B27041
KEBA Corp . . . . .	B12017
Sumig USA Corp . . . . .	B33030
Tapeswitch Corporation . . . . .	A3579
Universal Robots . . . . .	B17012
Waypoint Robotics Inc . . . . .	B12024
Yaskawa Motoman Robotics . . . . .	B20034

## ROBOTS - REMANUFACTURED/USED

Sigma DT Robotics . . . . .	B17026
Yaskawa Motoman Robotics . . . . .	B20034

## ROBOTS - SERVICE OR EDUCATIONAL

ABB Robotics & Discrete Automation . . . . .	B17038
Yaskawa Motoman Robotics . . . . .	B20034

## ROLL BENDERS

BLM Group . . . . .	A2935
Boschert Precision Machinery Inc . . . . .	A5716
COLE-TUVE Inc . . . . .	A4550
COMEQ Inc . . . . .	A3650
DAVI Inc . . . . .	A3639
DURMA North America . . . . .	A2143
FACCIN USA, INC. . . . .	A4912
HAEUSLER AG Duggingen . . . . .	A5338
J&S Machine Inc . . . . .	A3301
MetalFinish LLC . . . . .	A3132
Quantum Machinery Group . . . . .	B27026
Schwarze-Robitec GmbH . . . . .	D45943
Universal Tool & Engineering . . . . .	D46158
VLB North America . . . . .	D46163

## ROLL FORMED METAL SHAPES

Metal Supermarkets . . . . .	A3470
Samson Roll Formed Products Co . . . . .	A3322
TF Warren Group . . . . .	A3295
United Wire Co Inc . . . . .	D47156
voestalpine Roll Forming Corp . . . . .	A1237

## ROLL FORMING MACHINES

1960 SERAVESI . . . . .	A5134
Akyapak USA . . . . .	A2174
ASC Machine Tools . . . . .	A3462
ASMAG USA Inc . . . . .	D46448
Bradbury Group . . . . .	A3428
CIDAN Machinery Inc . . . . .	A4936
Custom Rollforming Corp/Marion Die and Fixture . . . . .	A5052
Dallan America Corp . . . . .	A5773
DAVI Inc . . . . .	A3639

Dimeco . . . . .	A3093
Dreistern Inc. . . . .	A5104
FACCIN USA, INC. . . . .	A4912
Galaxie Corporation . . . . .	D46551
Gasparini SpA . . . . .	A3358
Grotnes Inc. . . . .	A3581
KOLEV Engineering Inc . . . . .	A5133
Metform International Ltd . . . . .	A3546
Pronic Inc . . . . .	D47154
Rafter Equipment Corp . . . . .	D46468
Samco Machinery Ltd . . . . .	A5112
SizTech LLC . . . . .	A3161
STAM SpA . . . . .	A5023
TEKFAB Inc . . . . .	A3497
Universal Controls Group . . . . .	D46361
Universal Tube & Rollform Equipment Co . . . . .	D46361
VLB North America . . . . .	D46163
Weil Technology North America . . . . .	A3218

## ROLLING MILLS

Ulbrich Stainless Steels & Special Metals Inc . . . . .	D47550
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## ROLLS - FABRIC, URETHANE, FELT

Armstrong Kover Kwick Inc . . . . .	A3252
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## RUST INHIBITORS - FINISHING

Atotech USA LLC . . . . .	D45565
Carbit Paint Co . . . . .	D45124
ChemQuest Inc . . . . .	D45547
Circle-Proscio Inc . . . . .	D45375
Daubert Cromwell . . . . .	D46755
Diamond Vogel Paint & Coatings . . . . .	D45758
Henkel Corp . . . . .	D45549
Kyzen Corporation . . . . .	D45263
LINE-X Industrial Coatings . . . . .	D45143
Quaker Houghton . . . . .	D45762
Rust Release (Safe Industrial Rust Remover) . . . . .	D46373
Tower Metalworking Fluids . . . . .	D47127
Troy Chemical . . . . .	D45685
Zerust Corrosion Solutions . . . . .	D47552

## RUST REMOVERS - FINISHING

Atotech USA LLC . . . . .	D45565
Bradford Derustit Corp . . . . .	B27011
Capital Weld Cleaners . . . . .	B35021
CGW Abrasives . . . . .	B31017
Daubert Cromwell . . . . .	D46755
Quaker Houghton . . . . .	D45762
Rust Release (Safe Industrial Rust Remover) . . . . .	D46373
TIG Brush . . . . .	B20008
Tower Metalworking Fluids . . . . .	D47127
Troy Chemical . . . . .	D45685
Vulkan Blast Shot Technology . . . . .	D45563
W Abrasives . . . . .	D45756
Zerust Corrosion Solutions . . . . .	D47552

## SAFETY FLOOR MATTING

AEREM Industrie Inc . . . . .	D45750
Barefoot Ergonomic Flooring by Beagle I Inc . . . . .	A5078
Closed Loop Recycling . . . . .	A3570
Hundal Group . . . . .	B34046
Press Brake Safety . . . . .	A3316
Tapeswitch Corporation . . . . .	A3579

## SAFETY/GUARDING APPAREL

3M . . . . .	B30067
Bear Knuckles Gloves . . . . .	B28065
Black Stallion (Revco) . . . . .	B35050
Closed Loop Recycling . . . . .	A3570
Hundal Group . . . . .	B34046
John Tillman Co . . . . .	B33038
Lasermet Inc . . . . .	B18058
Laservision USA . . . . .	A3456
MCR Safety . . . . .	B31019
Portwest LLC . . . . .	B35019
S.M.A.R.T. Services . . . . .	A3275
Steiner Industries . . . . .	B29062
Up In Smoke Welding Apparel Inc . . . . .	B18069
Weldas Co LLC . . . . .	B27071
Wurth Van Horn . . . . .	B34032

## SAFETY/GUARDING EQUIPMENT/LOCKOUTS

ASSA ABLOY Entrance Systems . . . . .	B13053
AVS Industries LLC . . . . .	B36017
Bosch Rexroth Corp . . . . .	A3124, B37062
Camlock Systems Inc . . . . .	A5139
Dynatect Manufacturing Inc . . . . .	A3435
Fab Supply Inc . . . . .	A3574
Graphic Products . . . . .	A3177
Lasermet Inc . . . . .	B18058
Laservision USA . . . . .	A3456
Lazer Safe Pty Ltd . . . . .	A3364
Pax Products Inc . . . . .	D47331
Press Brake Safety . . . . .	A3316
SSC Controls Co . . . . .	B20070
Tapeswitch Corporation . . . . .	A3579
Torque Technologies/Goizper . . . . .	D47240

## SAWS

Allied BIM . . . . .	A1337
Azak Tool Technologies Inc . . . . .	A3486
Behringer Saws Inc . . . . .	A3150
BLM Group . . . . .	A2935
Cosen Saws, North America . . . . .	A5331
Daito Seiki Co Ltd . . . . .	A5937
Diamond Saw Works Inc . . . . .	A5140
DieTronic . . . . .	D46949
Diversified Transportation Services . . . . .	D46947
DoALL Sawing Products . . . . .	A2974
Doringer Cold Saws . . . . .	A3552
Elumatec North America Inc . . . . .	A3163
Emmegi USA Inc . . . . .	A5127
ESCO Tool Company . . . . .	B37012
Exact Pipe Tools Inc . . . . .	A4489
Haberle/Ken Bergman & Associates . . . . .	A3254
HEM Inc . . . . .	A5325
HYDMECH . . . . .	A4918
Jepson Power Inc . . . . .	A3303
Julia USA . . . . .	D46568
Kent Corporation . . . . .	D45946
LENOX® . . . . .	A3543
LINSINGER . . . . .	A5568
Michigan Pneumatic Tool Inc . . . . .	B22006
Ocean Machinery Inc . . . . .	A4943
Pat Mooney Inc . . . . .	A2981

## SAWS

Peddinghaus Corporation	A1452, A2163
Quantum Machinery Group	B27026
Remgrit Carbide Grit Cutting Tools	A5123
Revolution Machine Tools	A2988
RIDGID	B17062
Schelling America Inc	A3384
Scotchman Industries Inc	A3526, A3625
Tenryu	B20056
The M.K. Morse Company	A1439
Tru-Cut Saw Inc	A3363, D46456
Tsune America LLC	A3568
Uniflex Of America	D46365
Universal Tube & Rollform Equipment Co	D46361
Vessel/SP Air	B25057
World Machinery & Saw Inc	D46273

## SCHOOLS - COLLEGE & UNIVERSITY (2 & 4 YEAR)

American Welding Society	B25008
AWS Bookstore	B27008
Nuts Bolts & Thingamajigs	A3654

## SCHOOLS - VOCATIONAL & TECHNICAL

American Welding Society	B25008
AWS Bookstore	B27008
Hobart Institute of Welding Technology	B23006
KBG Welding	B33058
Welder Training & Testing Institute	B18073

## SCRAP BUYING SPECIALIST

BL Duke	D46740
Midwest Industrial Metals Corp	D46341

## SCRAP CHOPPING & HANDLING EQUIPMENT

ANDRITZ Metals USA Inc	A3061
Biele S.A.	D46843
Machine Concepts Inc	D46954
PUNCH INDUSTRY USA INC	D47546
Red Bud Industries	A3669
RUF Briquetting Systems	A3397

## SCRAP METAL RECYCLING SERVICES

BL Duke	D46740
ELG Metals Inc	A5119
Midwest Industrial Metals Corp	D46341

## SEAMING MACHINES

MITUSA Inc	B15043
Pandjiris Inc	B21008
RAS Systems LLC	A4950

## SECURITY SYSTEMS/SERVICES

Camlock Systems Inc	A5139
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## SENSORS/TRANSDUCERS

ATI Industrial Automation	B23036
Newall Electronics Inc	B12020
Toledo Integrated Systems/Toledo Transducers	D46758
TR Electronic	B11043

## SERVICE/REPAIR & PARTS

ANDRITZ Metals USA Inc	A3061
Astro Arc Polysoude Inc	B27056
Bosch Rexroth Corp	A3124, B37062
Fromm Packaging Systems	A3172
Muratec	A4901
Replacement Brush Tables	A3288
SizTech LLC	A3161
Wheelabrator Group	D45137

## SHEARS

Accurpress	A3643
ANDRITZ Metals USA Inc	A3061
Baykal Makina	A2967
Boschert Precision Machinery Inc	A5716
CIDAN Machinery Inc	A4936
Cincinnati Inc	A5705
COMEQ Inc	A3650
Dener USA	A2168
DURMA North America	A2143
Guild International	D46567
International Knife & Saw Inc	A3309
Manufacturing Solutions Industries Inc	B37026
Masteel America Corp	A3198
MetalForming Inc	A2958
Pacific Press Technologies	A3426
RAS Systems LLC	A4950
Revolution Machine Tools	A2988
Safan Darley B.V.	A2158
Scotchman Industries Inc	A3526, A3625
Ursviken Inc	A4531
US Industrial Machinery Co	A4568
Vicla	A3650
Wysong	A3541

## SHIPPING CONTAINERS & ACCESSORIES

Diversified Transportation Services	D46947
Packsize International LLC	A4579
Paperboard Packaging Solutions	D45975
Steel King Industries Inc	A3344

## SHIPPING/TRANSPORTATION SERVICES

BL Duke	D46740
Lee Industrial Contracting	D47032

## SHOP LIGHTING

Big Ass Fans	A5945
Edison Lighting Supply LLC	A3491
LDPI Inc	D45533
Service Lamp Corp	A3342

## SHOTBLASTING MACHINES

Blastec Inc	A3514
BlastOne	B13041, D45134
Frohn North America	D45047
Goff Inc	D45555
IST International Surface Technologies	D45030
Ocean Machinery Inc	A4943
Pangborn LLC	D45381
Patriot Powder Coating	D45385
Peddinghaus Corporation	A1452, A2163
PRD Company/Cagil Makina	D46556
Transmet Corp	D45556

Viking Blast and Wash Systems	A5150
W Abrasives	D45756
Wheelabrator Group	D45137

## SITE SELECTION SERVICES

Oncor	A3234
Site Location Partnership (SLP)	B34048
Texas Right Corner	A3521

## SLIDE FORMING & SPRING MACHINES

Bihler of America	D47124
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## SLUDGE HANDLING EQUIPMENT - FINISHING

Air and Liquid Systems Inc	D45057
Ebbco Inc	A5158
MacDermid Envio Solutions (formerly known as DMP Corporation)	D45262
United Surface Solutions LLC	D45372

## SOFTWARE - ACCOUNTING/JOB COSTING

Aptean Inc	A5121
Computers Unlimited	B37043
Epicor ERP Software	A3216
ExhibitForce	A3291
Global Shop Solutions	A3140
Jobscope ERP	A3390
MIE Solutions Inc	A3577
Protected Flow Manufacturing	A3589
Red Wing Software Inc	A3494
Sage	B12022
SecturaSOFT Estimating Platform	A3078
Trendex Inc	B37046

## SOFTWARE - CAD/CAM

Alma CAM USA LLC	A5816
Amada America Inc	A2104
AutoForm Engineering USA Inc	D47232
XYZ Routers	A5350
Bend-Tech LLC	B23053
Bend-Tech LLC	D46180
Bystronic Inc	A2126
CENIT North America Inc	B16048
data M Sheet Metal Solutions GmbH	A3493
Emmegi USA Inc	A5127
FlashCut CNC	A5109
GIZA Steel	A5178
Hypertherm Inc	A4449, B17021
Lantek Sheet Metal Solutions	A3203
Mazak Optonics Corp	A4402
Metalix CAD/CAM Ltd	A3379
Metamation Inc	B16004
MultiCam Inc	A4502
NUM AG	B11029
Oqton Inc	B15017
Park Industries	A5912
Peddinghaus Corporation	A1452, A2163
PEP Technology	A3105
Product Innovation and Engineering LLC	A1317
Radan	A3328
SDS2	A3572
ShopData Systems Inc	A3479

Striker Systems	A3346
Trimble Solutions USA Inc	A5174
<b>TRUMPF Laser Technology</b>	<b>B18005</b>
<b>TRUMPF North America</b>	<b>A2904</b>
TST Tooling Software Technology LLC	D47453

**SOFTWARE - CLOUD FORMATTING FOR MACHINE DATA TRACKING**

<b>Cosen Saws, North America</b>	<b>A5331</b>
<b>Oqton Inc</b>	<b>B15017</b>
Shop Floor Automations Inc	A3441

**SOFTWARE - COST ESTIMATING**

<b>Accurate Die Design Software Inc./ Logopress</b>	<b>D46649</b>
Alma CAM USA LLC	A5816
<b>Aptean Inc</b>	<b>A5121</b>
AutoForm Engineering USA Inc	D47232
ECI Software Solutions	A3405
<b>Hypertherm Inc</b>	<b>A4449, B17021</b>
Jobscope ERP	A3390
Lantek Sheet Metal Solutions	A3203
<b>Logopress/Accurate Die Design Software Inc</b>	<b>D46649</b>
Metalix CAD/CAM Ltd	A3379
<b>Metamation Inc</b>	<b>B16004</b>
PEP Technology	A3105
Qnect LLC	A3317
<b>Radan</b>	<b>A3328</b>
Sage	B12022
SecturaSOFT Estimating Platform	A3078
STRUMIS LLC	A5044
Trimble Solutions USA Inc	A5174

**SOFTWARE - CRM (CUSTOMER RELATIONSHIP MANAGEMENT)**

<b>Aptean Inc</b>	<b>A5121</b>
Computers Unlimited	B37043
DELMIAworks	A3354
ECi Software Solutions	A3505
Lantek Sheet Metal Solutions	A3203

**SOFTWARE - DOCUMENT CONTROL**

<b>Aptean Inc</b>	<b>A5121</b>
Business Engineering America Inc	A3540
DELMIAworks	A3354
ECI Software Solutions	A3405
TWI North America	B37045
VKS	A3334

**SOFTWARE - ERP (ENTERPRISE RESOURCE PLANNING)**

Alma CAM USA LLC	A5816
<b>Aptean Inc</b>	<b>A5121</b>
Computers Unlimited	B37043
DELMIAworks	A3354
ECI Software Solutions	A3405
ECi Software Solutions	A3505
Epicor ERP Software	A3216
ExhibitForce	A3291
<b>Fehr Warehouse Solutions Inc</b>	<b>A5007</b>
Global Shop Solutions	A3140
Jobscope ERP	A3390
Lantek Sheet Metal Solutions	A3203

MIE Solutions Inc	A3577
OmegaCube Technologies	A3423
Plex	D47557
Protected Flow Manufacturing	A3589
Sage	B12022
SecturaSOFT Estimating Platform	A3078
ShopEdge Software Inc	D47347
Trendex Inc	B37046
TST Tooling Software Technology LLC	D47453

**SOFTWARE - FINISHING**

Robotmaster	B17021
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**SOFTWARE - FMS (FLEXIBLE MFG. SYSTEMS)**

<b>Oqton Inc</b>	<b>B15017</b>
Virtual Process	A1330

**SOFTWARE - FOLDING/ UNFOLDING**

<b>Accurate Die Design Software Inc./ Logopress</b>	<b>D46649</b>
Alma CAM USA LLC	A5816
<b>Cincinnati Inc</b>	<b>A5705</b>
<b>Logopress/Accurate Die Design Software Inc</b>	<b>D46649</b>
<b>Metamation Inc</b>	<b>B16004</b>
PEP Technology	A3105
<b>RAS Systems LLC</b>	<b>A4950</b>
Robotmaster	B17021
<b>Safan Darley B.V.</b>	<b>A2158</b>
<b>Salvagnini America Inc</b>	<b>A2950</b>
SecturaSOFT Estimating Platform	A3078

**SOFTWARE - INVENTORY/ PURCHASING**

<b>Aptean Inc</b>	<b>A5121</b>
Computers Unlimited	B37043
ECI Software Solutions	A3405
ECi Software Solutions	A3505
ExhibitForce	A3291
Global Shop Solutions	A3140
<b>Modula Inc</b>	<b>A5761</b>
Paper-Less LLC	A5152
Plex	D47557
Protected Flow Manufacturing	A3589
Sage	B12022
ShopEdge Software Inc	D47347
STRUMIS LLC	A5044
Trendex Inc	B37046

**SOFTWARE - LABOR/ORDER TRACKING**

Allied BIM	A1337
<b>Aptean Inc</b>	<b>A5121</b>
Computers Unlimited	B37043
Conperio Technology Solutions	A3299
ECI Software Solutions	A3405
ECi Software Solutions	A3505
ExhibitForce	A3291
Jobscope ERP	A3390
MIE Solutions Inc	A3577
OmegaCube Technologies	A3423
<b>Oqton Inc</b>	<b>B15017</b>
Paper-Less LLC	A5152

Trendex Inc	B37046
Virtual Process	A1330
VKS	A3334

**SOFTWARE - LOAD MONITORS**

<b>Oqton Inc</b>	<b>B15017</b>
Shop Floor Automations Inc	A3441

**SOFTWARE - MACHINE DATA TRACKING (ACTIVITY, PRODUCTIVITY)**

AMS Controls Inc	A3452
<b>Aptean Inc</b>	<b>A5121</b>
Business Engineering America Inc	A3540
CADDIS Systems	B16005
<b>Cosen Saws, North America</b>	<b>A5331</b>
Epicor ERP Software	A3216
LeClaire Manufacturing	A3306
<b>Metamation Inc</b>	<b>B16004</b>
Novarc Technologies Inc	B23034
<b>Oqton Inc</b>	<b>B15017</b>
Plex	D47557
Robotmaster	B17021
<b>Salvagnini America Inc</b>	<b>A2950</b>
Shop Floor Automations Inc	A3441
ShopEdge Software Inc	D47347

**SOFTWARE - MACHINE PRODUCTIVITY DATA TRACKING**

Allied BIM	A1337
<b>Amada America Inc</b>	<b>A2104</b>
AMS Controls Inc	A3452
<b>Aptean Inc</b>	<b>A5121</b>
<b>Bosch Rexroth Corp</b>	<b>A3124, B37062</b>
Business Engineering America Inc	A3540
<b>Bystronic Inc</b>	<b>A2126</b>
CADDIS Systems	B16005
Conperio Technology Solutions	A3299
<b>Cosen Saws, North America</b>	<b>A5331</b>
<b>Hypertherm Inc</b>	<b>A4449, B17021</b>
Mair Research SpA	D45978
<b>Metamation Inc</b>	<b>B16004</b>
Novarc Technologies Inc	B23034
<b>Oqton Inc</b>	<b>B15017</b>
Paper-Less LLC	A5152
Plex	D47557
<b>Salvagnini America Inc</b>	<b>A2950</b>
Shop Floor Automations Inc	A3441

**SOFTWARE - NESTING/ OPTIMIZATION**

<b>Accurate Die Design Software Inc./ Logopress</b>	<b>D46649</b>
Allied BIM	A1337
Alma CAM USA LLC	A5816
<b>Amada America Inc</b>	<b>A2104</b>
<b>Bystronic Inc</b>	<b>A2126</b>
<b>Cincinnati Inc</b>	<b>A5705</b>
<b>Hypertherm Inc</b>	<b>A4449, B17021</b>
Lantek Sheet Metal Solutions	A3203
<b>Logopress/Accurate Die Design Software Inc</b>	<b>D46649</b>
Metalix CAD/CAM Ltd	A3379
<b>Metamation Inc</b>	<b>B16004</b>
OmegaCube Technologies	A3423
<b>Oqton Inc</b>	<b>B15017</b>



## SOFTWARE - NESTING/ OPTIMIZATION

PEP Technology	A3105
Qnect LLC	A3317
<b>Radan</b>	<b>A3328</b>
<b>Salvagnini America Inc.</b>	<b>A2950</b>
SecturaSOFT Estimating Platform	A3078
Striker Systems	A3346
STRUMIS LLC	A5044
Techni Waterjet A GMM Group Company	A5319

## SOFTWARE - OEE

AMS Controls Inc	A3452
<b>Aptean Inc</b>	<b>A5121</b>
Business Engineering America Inc	A3540
Conperio Technology Solutions	A3299
DELMIAworks	A3354
OmegaCube Technologies	A3423
<b>Oqton Inc</b>	<b>B15017</b>
Shop Floor Automations Inc	A3441
ShopEdge Software Inc	D47347
<b>Wintriss Controls Group LLC</b>	<b>D47335</b>

## SOFTWARE - PLANT MAINTENANCE

Business Engineering America Inc	A3540
CADDIS Systems	B16005

## SOFTWARE - PROJECT MANAGEMENT

<b>Aptean Inc</b>	<b>A5121</b>
Epicor ERP Software	A3216
ExhibitForce	A3291
GIZA Steel	A5178
Jobscope ERP	A3390
<b>Logopress/Accurate Die Design Software Inc</b>	<b>D46649</b>
<b>Radan</b>	<b>A3328</b>
STRUMIS LLC	A5044
Trimble Solutions USA Inc	A5174
TWI North America	B37045

## SOFTWARE - QUALITY CONTROL

Advanced Tubular Technologies Inc	D46377
<b>Aptean Inc</b>	<b>A5121</b>
Conperio Technology Solutions	A3299
Creaform	A1405
DELMIAworks	A3354
FabStation by Eterio Realities	A5173
Global Shop Solutions	A3140
InterTest Inc	B37053
MIE Solutions Inc	A3577
<b>Oqton Inc</b>	<b>B15017</b>
Plex	D47557
ProScale	A1427
STRUMIS LLC	A5044
TWI North America	B37045
Verisurf Software Inc	A1211
Virtual Process	A1330
VKS	A3334
<b>Wintriss Controls Group LLC</b>	<b>D47335</b>

## SOFTWARE - RAPID PROTOTYPE

Verisurf Software Inc	A1211
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## SOFTWARE - SCHEDULING

<b>Aptean Inc</b>	<b>A5121</b>
<b>Cincinnati Inc</b>	<b>A5705</b>
Conperio Technology Solutions	A3299
ECi Software Solutions	A3505
Epicor ERP Software	A3216
Global Shop Solutions	A3140
<b>Hypertherm Inc</b>	<b>A4449, B17021</b>
Metalix CAD/CAM Ltd	A3379
<b>Metamation Inc</b>	<b>B16004</b>
MIE Solutions Inc	A3577
OmegaCube Technologies	A3423
<b>Oqton Inc</b>	<b>B15017</b>
PEP Technology	A3105
Protected Flow Manufacturing	A3589
<b>Radan</b>	<b>A3328</b>
ShopEdge Software Inc	D47347
Trimble Solutions USA Inc	A5174
TST Tooling Software Technology LLC	D47453

## SOFTWARE - SIMULATION

<b>Accurate Die Design Software Inc/ Logopress</b>	<b>D46649</b>
AutoForm Engineering USA Inc	D47232
CENIT North America Inc	B16048
<b>Cincinnati Inc</b>	<b>A5705</b>
Comco USA Inc	D46371
data M Sheet Metal Solutions GmbH	A3493
FabStation by Eterio Realities	A5173
<b>Fehr Warehouse Solutions Inc</b>	<b>A5007</b>
<b>Logopress/Accurate Die Design Software Inc</b>	<b>D46649</b>
Metalix CAD/CAM Ltd	A3379
<b>Metamation Inc</b>	<b>B16004</b>
<b>MSC Software</b>	<b>B15055</b>
<b>Oqton Inc</b>	<b>B15017</b>
Product Innovation and Engineering LLC	A1317
Protected Flow Manufacturing	A3589
<b>Radan</b>	<b>A3328</b>
<b>Salvagnini America Inc</b>	<b>A2950</b>
Striker Systems	A3346
<b>T-Sim Solutions</b>	<b>D46527</b>
TST Tooling Software Technology LLC	D47453

## SOLDERING ALLOYS

Fusion Inc	B15047
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## SOLVENTS/THINNERS FOR PAINT

Kyzen Corporation	D45263
Mankiewicz Coatings	D45135

## SPINNING MACHINES/FLOW FORMING MACHINES

DENN - Industrias Puigjaner, sa - Global Metal Spinning Solutions	D47248
GFU- Maschinenbau Tube End Forming Machines	D46364
<b>Grotnes Inc</b>	<b>A3581</b>
International Technologies Inc	A3503
Leifeld Metal Spinning GmbH	D46756
MJC Engineering & Technology Inc	D47148
<b>NUM AG</b>	<b>B11029</b>

## SPRAY BOOTH CLEANING MATERIALS (CONSUMABLES)

Cool Clean Technologies LLC	D45265
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## SPRAY BOOTH COATINGS

<b>B.L. Downey Company LLC</b>	<b>D45141</b>
Cardinal Paint and Powder	D45749
Keyland Polymer UV Powder LLC	D45541
<b>LINE-X Industrial Coatings</b>	<b>D45143</b>
Mankiewicz Coatings	D45135
Patriot Powder Coating	D45385
<b>Venjakob North America Inc</b>	<b>D45748</b>

## SPRAY BOOTH CONTAMINANT CONTROL DEVICES

<b>Gema USA Inc</b>	<b>D45337</b>
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## SPRAY BOOTH EQUIPMENT

Accudraft Paint Booths	D45177
ADF Systems Ltd	D45771
<b>AEREM Industrie Inc</b>	<b>D45750</b>
AFC Finishing Systems/Airblast AFC	D45558
<b>Air and Liquid Systems Inc</b>	<b>D45057</b>
<b>Carlisle Fluid Technologies</b>	<b>D45347</b>
ChemQuest Inc	D45547
Decoral System USA Corp	D45249
<b>Dürr Systems, Inc.</b>	<b>D45343</b>
<b>Gema USA Inc</b>	<b>D45337</b>
Graco Inc	D45333
IST International Surface Technologies	D45030
LDPi Inc	D45533
<b>LPI Lift Systems</b>	<b>D45543</b>
Omnibotic	D45752
Patriot Powder Coating	D45385
RGI Spraybooths.Net	D45477
RollSeal Inc	D45653
<b>Sames Kremlin</b>	<b>D45356</b>
Scientific Industrial Nano Engineering - SINE	D45851
Spray Enclosure Technologies	D45561
<b>TESEO SRL</b>	<b>B13046</b>
<b>Therma-Tron-X Inc</b>	<b>D45351</b>
Wagner Industrial Inc	D45147

## SPRAY BOOTHS FOR PAINTING/ POWDER COATING

Accudraft Paint Booths	D45177
AFC Finishing Systems/Airblast AFC	D45558
<b>B.L. Downey Company LLC</b>	<b>D45141</b>
BlastOne	B13041, D45134
<b>Carlisle Fluid Technologies</b>	<b>D45347</b>
<b>Combustion and Systems Inc</b>	<b>D45036</b>
DualDraw LLC	B37050
<b>Gema USA Inc</b>	<b>D45337</b>
General Fabrications Corp	D45041
<b>Horizon Performance Technologies LLC</b>	<b>D45156</b>
<b>Nutro Inc</b>	<b>D45748</b>
Parker Engineering of America	D45129
Patriot Metal Finishing	D45485
Patriot Powder Coating	D45385
PEM Inc	D45571
Pneu-Mech Systems Mfg	D45763
RGI Spraybooths.Net	D45477
Spray Enclosure Technologies	D45561
Sprimag Inc	D45063

Venjakob North America Inc. . . . .D45748  
Wagner Industrial Inc . . . . .D45147

## SPRAY GUN CONTROLS, MOVERS, WASHERS

Carlisle Fluid Technologies. . . . .D45347  
Gema USA Inc . . . . .D45337  
Parker Engineering of America . . . . .D45129  
Spraying Systems Co . . . . .A5842

## STORAGE SHELVES/RACKS, PALLETIZED BEDS, CAGES & ACCESSORIES

Big Steel Rack . . . . .A3338  
Chambrean SAS . . . . .A5116  
Dexco Structural Racking Systems . . . . .D47052  
Fehr Warehouse Solutions Inc . . . . .A5007  
Green Valley Manufacturing Inc. . . . .D46655  
MetalForming Inc. . . . .A2958  
Mighty Hook Inc . . . . .D45643  
Steel King Industries Inc . . . . .A3344  
Steel Storage Systems Inc. . . . .A4525  
Stor-Loc Corp . . . . .A3594  
Versatility Tool Works & Mfg Company Inc. . . . .A5355  
Vidir Solutions. . . . .B13026

## STRAIGHTENING EQUIPMENT

Allor Manufacturing Inc/Plesh Industries . . . . .A3560  
Amada Press System America . . . . .D46735  
ARKU Inc . . . . .A5538  
Bruderer Machinery . . . . .D46724  
Chicago Slitter . . . . .A3350  
COE Press Equipment Corporation . . . . .D46924  
Colt Automation LTD . . . . .D47327  
KOHLER Maschinenbau GmbH . . . . .A3132  
Machine Concepts Inc. . . . .D46954  
Press Room Equipment Co . . . . .D46651  
VLB North America . . . . .D46163  
WAFIOS Machinery Corp. . . . .D46168

## STRETCH FORMERS

Beckwood Press Co . . . . .D46747  
SizTech LLC . . . . .A3161

## STRIPPING SOLUTIONS, EQUIPMENT & SERVICES

Amiberica Inc . . . . .D45568  
Atotech USA LLC. . . . .D45565  
Dinamec Systems. . . . .D45651  
Mid America Powder Coating . . . . .D45066  
Transmet Corp . . . . .D45556

## SUPPLY CHAIN MANAGEMENT

Modula Inc. . . . .A5761  
Sage. . . . .B12022  
Wurth Construction Services. . . . .B34032

## SYSTEMS INTEGRATION

AGT Robotics . . . . .B20045  
Arc Solutions Inc. . . . .B33032  
Fehr Warehouse Solutions Inc . . . . .A5007  
Modula Inc . . . . .A5761  
S.M.A.R.T. Services. . . . .A3275

## TABLES - CUTTING/WATER TABLES

Jet Edge. . . . .A4562  
Messer Cutting Systems . . . . .A4968  
OMAX Corp. . . . .A4454  
WARDJet Waterjets. . . . .A5350  
Weldsale LLC . . . . .B27076

## TABLES - INDEXING & POSITIONING

Accra-Wire Controls Inc . . . . .D47351  
GAM Enterprises. . . . .B12046  
Pioneer IWS . . . . .B33062  
Presto Ecoa Lifts. . . . .A3141  
Preston Eastin. . . . .B16060  
Strong Hand Tools . . . . .B35026  
Torque Technologies/Goizper. . . . .D47240

## TANKS & TANK SUPPLIES - FINISHING

Carlisle Fluid Technologies. . . . .D45347

## TAPPING MACHINES

Automated Tapping Systems . . . . .D46829  
Elumatec North America Inc . . . . .A3163  
Fibro Inc . . . . .D47146  
Flex Machine Tools . . . . .A5160  
Holemaker Technology LLC . . . . .B17065  
Hutchison Tool . . . . .D46653  
Peddinghaus Corporation . . . . .A1452, A2163  
Pronic Inc . . . . .D47154  
Ragnar Makine San Tic Ltd STI . . . . .A3179  
Suhner Industrial Products Inc . . . . .B23008

## THERMAL SPRAY WIRES & POWDERS

Kennametal Inc . . . . .B20062  
Surface Engineering Alloy Co . . . . .B36015  
Surface Flow Technologies Inc/LSN  
Diffusion Ltd . . . . .B22056

## THERMAL SPRAYING MACHINES & COMPONENTS

Aimtek Inc . . . . .B18065  
Kennametal Inc . . . . .B20062  
Preston Eastin. . . . .B16060  
Superflash Compressed Gas Equipment Inc . . . . .B33057

## TOOL & DIE DESIGN

Accurate Die Design Software Inc./  
Logopress . . . . .D46649  
Automated Tapping Systems. . . . .D46829  
Bradbury Group . . . . .A3428  
J-Tech Design. . . . .D47324  
Marion Die & Fixture. . . . .A5052  
Oberg Industries LLC . . . . .D47541  
Penn United Technologies Inc . . . . .D47150  
Pottiez America LP . . . . .D47241  
R&M Manufacturing Co LLC . . . . .A3460  
Rolleri USA . . . . .A3368  
Superior Die Set Corp . . . . .D47130  
T-Sim Solutions . . . . .D46527  
Victory Tool . . . . .D47433  
Vulcan Tool Company . . . . .D46658

## TOOL STORAGE/CABINETS

Sumner A Southwire Company. . . . .B37024  
Urrea Professional Tools. . . . .B25065  
Versatility Tool Works & Mfg Company Inc. . . . .A5355  
Vidir Solutions. . . . .B13026  
Wilson Tool International . . . . .A3101

## TOOL SURFACE TREATMENT EQUIPMENT

MITUSA Inc. . . . .B15043  
Rocklin Manufacturing Co. . . . .A3408

## TOOLING - CARBIDE

ATA Tools Inc. . . . .B20065  
Cle-Line by Greenfield Industries . . . . .A5114  
Darex LLC. . . . .A3289  
Diablo Tools . . . . .B29065  
Drillco Cutting Tools Inc. . . . .B35060  
Formdrill USA Inc . . . . .A3525  
Norton Abrasives. . . . .B35054  
Oberg Industries LLC . . . . .D47541  
Overton Industries Tool & Die . . . . .D47151  
Overton Industries Tube Forming Systems. . . . .D46351  
Penn United Technologies Inc . . . . .D47150  
Piecsa USA LLC . . . . .D46561  
Pottiez America LP . . . . .D47241  
PUNCH INDUSTRY USA INC . . . . .D47546  
Roll Machining Technologies & Solutions. . . . .D46464  
Tenryu . . . . .B20056

## TOOLING - CERAMIC

Roll Machining Technologies & Solutions. . . . .D46464  
Tru-Cut Saw Inc . . . . .A3363, D46456

## TOOLING - COMPONENTS

Agathon Machine Tools Inc . . . . .D47441  
BTD Tooling Division . . . . .D47249  
Fibro Inc . . . . .D47146  
Formdrill USA Inc . . . . .A3525  
Impax Tooling Solutions . . . . .D46952  
K&K Tool and Die Inc . . . . .D46665  
Kipp Inc . . . . .A5004  
Kosmek USA . . . . .B11038  
NB Corporation of America . . . . .B12048  
Penn United Technologies Inc . . . . .D47150  
Precision Punch Corp . . . . .D47056  
PUNCH INDUSTRY USA INC . . . . .D47546  
Rolleri USA . . . . .A3368  
Special Springs LLC . . . . .D46661

## TOOLING - HYDRAULIC PRESSES

Cleveland Punch & Die Co. . . . .A3558  
Nabtesco . . . . .B11015  
Ultralox. . . . .D46865  
Wilson Tool International . . . . .A3101

## TOOLING - IRONWORKERS

American Punch Co . . . . .A3320  
Cleveland Punch & Die Co. . . . .A3558  
Cleveland Steel Tool Co. . . . .A3532  
Impax Tooling Solutions . . . . .D46952  
Scotchman Industries Inc. . . . .A3526, A3625

### TOOLING - PLATE FABRICATING

Accurpress	A3643
American Punch Co	A3320
Cleveland Punch & Die Co.	A3558
Lenzkes Clamping Tools Inc	D46761
Wila USA	A3120

### TOOLING - PRESS BRAKES

Accurpress	A3643
Amada America Inc	A2104
Bystronic Inc	A2126
Cincinnati Inc	A5705
Dener USA	A2168
Fab Supply Inc	A3574
Mate Precision Technologies	A3155
Polyurethane Products Corp	A3076
Ready Technology Inc	D47449
Rolleri USA	A3368
TRUMPF Laser Technology	B18005
TRUMPF North America	A2904
Ursviken Inc	A4531
Versatility Tool Works & Mfg Company Inc	A5355
Wila USA	A3120
Wilson Tool International	A3101
Wysong	A3541

### TOOLING - PROGRESSIVE DIE

American Punch Co	A3320
Automated Tapping Systems	D46829
BTD Tooling Division	D47249
DTC Products Inc	D47141
F&G Tool and Die Co	D46439
Impax Tooling Solutions	D46952
Marion Die & Fixture	A5052
Middleville Tool & Die/Bayloff Stamped Products/KBX Global	D47430
Mission Tool & Machine LLC	D47456
Oberg Industries LLC	D47541
Pottiez America LP	D47241
R&M Manufacturing Co LLC	A3460
Ready Technology Inc	D47449
TST Tooling Software Technology LLC	D47453
Victory Tool	D47433

### TOOLING - PUNCH PRESSES

Amada America Inc	A2104
Automated Tapping Systems	D46829
Bradbury Group	A3428
Cleveland Punch & Die Co.	A3558
Lenzkes Clamping Tools Inc	D46761
Marion Die & Fixture	A5052
Mate Precision Technologies	A3155
Oberg Industries LLC	D47541
Precision Punch Corp	D47056
TRUMPF Laser Technology	B18005
TRUMPF North America	A2904
Wilson Tool International	A3101

### TOOLING - ROLL FORMING

Addison Machine Engineering Inc	A3373
American Punch Co	A3320
Bradbury Group	A3428
data M Sheet Metal Solutions GmbH	A3493
Dreistern Inc	A5104
Formdrill USA Inc	A3525

Jarvis Cutting Tools	D47254
KOLEV Engineering Inc	A5133
OMNI-X USA	D46348
Roll Machining Technologies & Solutions	D46464
Samco Machinery Ltd	A5112
STAM SpA	A5023
TEKFAB Inc	A3497
Tools for Bending	D45725

### TOOLING - SLITTERS

ANDRITZ Metals USA Inc	A3061
International Knife & Saw Inc	A3309
Piecsa USA LLC	D46561
Roll Machining Technologies & Solutions	D46464

### TOOLING - TRANSFER DIES

Automated Tapping Systems	D46829
BCN Technical Services Inc	D47155
BTD Tooling Division	D47249
F&G Tool and Die Co	D46439
HMS Products Co	D47049
Impax Tooling Solutions	D46952
Middleville Tool & Die/Bayloff Stamped Products/KBX Global	D47430
T-Sim Solutions	D46527
Victory Tool	D47433

### TOOLING - TUBE/PIPE BENDERS/ END FORMERS

Comco USA Inc	D46371
Manchester Tool & Die Inc	D46549
Numalliance North America/AddEaton	D45950
OMNI-X USA	D46348
PHI Hydraulics	D45961
Schwarze-Robitec GmbH	D45943
Tools for Bending	D45725
Tube-Line Technologies	D45728
WAFIOS Machinery Corp	D46168
Wauseon Machine & Manufacturing Inc	D45738
YLM USA Inc	D45723

### TOOLING - TUBE/PIPE MILLS

Addison Machine Engineering Inc	A3373
ANDRITZ Metals USA Inc	A3061
FD Machinery	D46346
Julia USA	D46568
Mill Masters	D46354
Overton Industries Tube Forming Systems	D46351
Piecsa USA LLC	D46561
Roll Machining Technologies & Solutions	D46464

### TOOLING - UNITIZED PUNCHING/ NOTCHING

Impax Tooling Solutions	D46952
SB Whistler & Sons Inc	A3318

### TOOLING - URETHANE

ESCO Tool Company	B37012
Fab Supply Inc	A3574
Wila USA	A3120

### TOUCH-UP PAINT

Arro-Mark Co LLC	A3440
Cardinal Paint and Powder	D45749
Diamond Vogel Paint & Coatings	D45758

Dürr Systems, Inc.	D45343
Fortech Products Inc	D47451
Tristar Coatings Ltd	D45285
U-Mark Inc	B37036

### TRADE SHOW ORGANIZER

3D/Additive Manufacturing Showcase	A1220
American Welding Society	B25008
AWS Bookstore	B27008
Chemical Coaters Assoc International	D45329
Design 2 Part	A1431
Fabricators & Manufacturers Assoc Intl (FMA)	A3654
Sanpo Publications Incorporated	B23066
SME ZONE	A3614
Tube 2022	D45966

### TRAILERS

Green Valley Manufacturing Inc	D46655
Hamilton Caster & Mfg Co	A3193

### TRAINING SERVICES - MANAGEMENT

3D/Additive Manufacturing Showcase	A1220
American Welding Society	B25008
AWS Bookstore	B27008
Fabricators & Manufacturers Assoc Intl (FMA)	A3654
KBG Welding	B33058
SME ZONE	A3614

### TRAINING SERVICES - TECHNICAL

3D/Additive Manufacturing Showcase	A1220
American Technical Publishers	B25054
American Welding Society	B25008
Arkansas Elite Welding Academy	B25067
AWS Bookstore	B27008
Bosch Rexroth Corp	A3124, B37062
Chemical Coaters Assoc International	D45329
Fabricators & Manufacturers Assoc Intl (FMA)	A3654
Fromm Packaging Systems	A3172
KBG Welding	B33058
Powder Coating Institute	D45032
SME ZONE	A3614
T. J. Snow Company	B28012
The Electrocoat Association	D45166
Tower Metalworking Fluids	D47127
TWI North America	B37045
WeldComputer	B25069
Welder Training & Testing Institute	B18073
Yaskawa Motoman Robotics	B20034

### TUBE/PIPE ASSEMBLY EQUIPMENT/SYSTEMS

AM Industrial Group	D45956
Fehr Warehouse Solutions Inc	A5007
Guid International	D46567
Horn Machine Tools Inc	D45940
Kistler Welding and Cutting Automation	B20060
Koike Aronson Inc	B17016
Manchester Tool & Die Inc	D46549
Thred Taper	B34060
Transfluid Tube Processing Machinery Inc	D46138
Uniflex Of America	D46365
Weil Technology North America	A3218

## TUBE/PIPE BUNDLING EQUIPMENT

ASMAG USA Inc . . . . .	D46448
DieTronic . . . . .	D46949
FD Machinery . . . . .	D46346
Fives . . . . .	D46372
Kent Corporation . . . . .	D45946
Steel Storage Systems Inc . . . . .	A4525

## TUBE/PIPE CALIBRATING

AWS Schäfer Technologie GmbH . . . . .	A3356
Clark Fixture Technologies . . . . .	D46350

## TUBE/PIPE CHECK FIXTURES

Clark Fixture Technologies . . . . .	D46350
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## TUBE/PIPE CLEANING/DEGREASING EQUIPMENT

Alconox . . . . .	D45864
Goff Inc . . . . .	D45555
LS Industries Inc . . . . .	D45151
PRD Company/Cagil Makina . . . . .	D46556
Rust Release (Safe Industrial Rust Remover) . . . . .	D46373
Tower Metalworking Fluids . . . . .	D47127
Venjakob North America Inc . . . . .	D45748
Viking Blast and Wash Systems . . . . .	A5150

## TUBE/PIPE CNC PIPE CUTTING

Ajan Elektronik Servis Sanayi Ve Ticaret Ltd St . . . . .	A4514
AKS Cutting Systems Inc . . . . .	A3072
AM Industrial Group . . . . .	D45956
Bend-Tech LLC . . . . .	B23053
Bend-Tech LLC . . . . .	D46180
BLM Group . . . . .	A2935
Bystronic Inc . . . . .	A2126
Chiyoda Kogyo-Maruka USA . . . . .	D46356
Comco USA Inc . . . . .	D46371
Copier Inc . . . . .	D46271
Crippa USA . . . . .	D45932
DURMA North America . . . . .	A2143
FlashCut CNC . . . . .	A5109
HGG Profiling Equipment Inc . . . . .	B31043
Hypertherm Inc . . . . .	A4449, B17021
Jet Edge . . . . .	A4562
Koike Aronson Inc . . . . .	B17016
LINSINGER . . . . .	A5568
Machitech Automation . . . . .	A3599
Mazak Optonics Corp . . . . .	A4402
Messer Cutting Systems . . . . .	A4968
OMAX Corp . . . . .	A4454
Preco Inc . . . . .	B20004
SEC Industrial . . . . .	B23049
SENFENG . . . . .	A4978
Soitaab USA Inc . . . . .	A1332
TECOI . . . . .	A4973
VLB North America . . . . .	D46163
Vulcan Tool Company . . . . .	D46658
WARDJet Waterjets . . . . .	A5350

## TUBE/PIPE COMPRESSION BENDERS

BLM Group . . . . .	A2935
Huth Ben Pearson International LLC . . . . .	D46453
J&S Machine Inc . . . . .	D45723

Universal Tool & Engineering . . . . .	D46158
VLB North America . . . . .	D46163

## TUBE/PIPE CUSTOM MACHINERY

AM Industrial Group . . . . .	D45956
Cambridge Vacuum Engineering . . . . .	B25062
Comco USA Inc . . . . .	D46371
Fehr Warehouse Solutions Inc . . . . .	A5007
Gasparini SpA . . . . .	A3358
HAEUSLER AG Duggingen . . . . .	A5338
Horn Machine Tools Inc . . . . .	D45940
Huth Ben Pearson International LLC . . . . .	D46453
Kent Corporation . . . . .	D45946
Manufacturing Solutions Industries Inc . . . . .	B37026
Numalliance North America/AddEaton . . . . .	D45950
Overton Industries Tube Forming Systems . . . . .	D46351
Preco Inc . . . . .	B20004
ProScale . . . . .	A1427
Revolution Machine Tools . . . . .	A2988
T-Drill Industries Inc . . . . .	A4508
TEKFAB Inc . . . . .	A3497
Toolmen Corp . . . . .	A5839
Transfluid Tube Processing Machinery Inc . . . . .	D46138
Uniflex Of America . . . . .	D46365
Universal Tool & Engineering . . . . .	D46158
VLB North America . . . . .	D46163
Weil Technology North America . . . . .	A3218

## TUBE/PIPE CUT-OFF MACHINES

ASMAG USA Inc . . . . .	D46448
AXXAIR USA . . . . .	B15019
Behringer Saws Inc . . . . .	A3150
Bend-Tech LLC . . . . .	B23053
Bend-Tech LLC . . . . .	D46180
BLM Group . . . . .	A2935
Comco USA Inc . . . . .	D46371
Continental Pipe & Tube Cut-Off Machines . . . . .	D46276
DieTronic . . . . .	D46949
DoALL Sawing Products . . . . .	A2974
Doringer Cold Saws . . . . .	A3552
ESCO Tool Company . . . . .	B37012
Exact Pipe . . . . .	A4489
FD Machinery . . . . .	D46346
Fives . . . . .	D46372
Haberle/Ken Bergman & Associates . . . . .	A3254
International Knife & Saw Inc . . . . .	A3309
J&S Machine Inc . . . . .	A3301, D45723
Jepson Power Inc . . . . .	A3303
Kent Corporation . . . . .	D45946
LINSINGER . . . . .	A5568
OP USA Inc . . . . .	D46565
Pat Mooney Inc . . . . .	A2981
Piecsa USA LLC . . . . .	D46561
ProScale . . . . .	A1427
Quantum Machinery Group . . . . .	B27026
Scotchman Industries Inc . . . . .	A3526, A3625
T-Drill Industries Inc . . . . .	A4508
Tsune America LLC . . . . .	A3568
Universal Tool & Engineering . . . . .	D46158
Universal Tube & Rollform Equipment Co . . . . .	D46361
Vulcan Tool Company . . . . .	D46658
Weil Technology North America . . . . .	A3218
World Machinery & Saw Inc . . . . .	D46273

## TUBE/PIPE DEBURRING EQUIPMENT

AM Machinery Sales Inc . . . . .	A3157
AXXAIR USA . . . . .	B15019
CGW Abrasives . . . . .	B31017
DieTronic . . . . .	D46949
Haberle/Ken Bergman & Associates . . . . .	A3254
J&S Machine Inc . . . . .	A3301
Kent Corporation . . . . .	D45946
MetalFinish LLC . . . . .	A3132
Midwest Automation . . . . .	A4538
PHI Hydraulics . . . . .	D45961
sia Abrasives . . . . .	B35015
Viking Blast and Wash Systems . . . . .	A5150
World Machinery & Saw Inc . . . . .	D46273

## TUBE/PIPE DRAW BENCHES

Allor Manufacturing Inc/Plesh Industries . . . . .	A3560
ASMAG USA Inc . . . . .	D46448
Kent Corporation . . . . .	D45946
Mair Research SpA . . . . .	D45978

## TUBE/PIPE END FORMING EQUIPMENT

AM Industrial Group . . . . .	D45956
AWS Schäfer Technologie GmbH . . . . .	A3356
BLM Group . . . . .	A2935
Chiyoda Kogyo-Maruka USA . . . . .	D46356
Comco USA Inc . . . . .	D46371
Copier Inc . . . . .	D46271
Crippa USA . . . . .	D45932
DENN - Industrias Puigjaner, sa - Global Metal Spinning Solutions . . . . .	D47248
ESCO Tool Company . . . . .	B37012
Gasparini SpA . . . . .	A3358
Grotnes Inc . . . . .	A3581
HAEUSLER AG Duggingen . . . . .	A5338
Huth Ben Pearson International LLC . . . . .	D46453
J&S Machine Inc . . . . .	A3301, D45723
Kyntronics . . . . .	D47252
Manchester Tool & Die Inc . . . . .	D46549
Numalliance North America/AddEaton . . . . .	D45950
OMCG Inc . . . . .	D45733
Overton Industries Tube Forming Systems . . . . .	D46351
PHI Hydraulics . . . . .	D45961
Piecsa USA LLC . . . . .	D46561
T-Drill Industries Inc . . . . .	A4508
Transfluid Tube Processing Machinery Inc . . . . .	D46138
Uniflex Of America . . . . .	D46365
Universal Tool & Engineering . . . . .	D46158
VLB North America . . . . .	D46163
WAFIOS Machinery Corp . . . . .	D46168
Wauseon Machine & Manufacturing Inc . . . . .	D45738
Weil Technology North America . . . . .	A3218

## TUBE/PIPE EXPANDERS

Comco USA Inc . . . . .	D46371
ESCO Tool Company . . . . .	B37012
HAEUSLER AG Duggingen . . . . .	A5338
Huth Ben Pearson International LLC . . . . .	D46453
SizTech LLC . . . . .	A3161
VLB North America . . . . .	D46163

**TUBE/PIPE FINNING MACHINES**

ESCO Tool Company . . . . . B37012

**TUBE/PIPE FLANGING MACHINES**

ESCO Tool Company . . . . . B37012  
OMCG Inc . . . . . D45733  
PHI Hydraulics . . . . . D45961  
SEC Industrial . . . . . B23049  
T-Drill Industries Inc . . . . . A4508

**TUBE/PIPE FLARING MACHINES**

ESCO Tool Company . . . . . B37012  
PHI Hydraulics . . . . . D45961  
Transfluid Tube Processing Machinery Inc. . . . . D46138  
Tube-Line Technologies . . . . . D45728  
Universal Tool & Engineering . . . . . D46158

**TUBE/PIPE GRINDING & POLISHING EQUIPMENT**

AM Machinery Sales Inc . . . . . A3157  
CGW Abrasives . . . . . B31017  
Dynabrade Inc . . . . . B25060  
J&S Machine Inc . . . . . A3301  
MetalFinish LLC . . . . . A3132  
Midwest Automation . . . . . A4538  
World Machinery & Saw Inc . . . . . D46273

**TUBE/PIPE GROOVING MACHINES**

Copier Inc . . . . . D46271  
Crippa USA . . . . . D45932

ESCO Tool Company . . . . . B37012  
Mair Research SpA . . . . . D45978  
Manchester Tool & Die Inc. . . . . D46549  
Revolution Machine Tools . . . . . A2988  
RIDGID . . . . . B17062

**TUBE/PIPE HAND BENDERS**

World Machinery & Saw Inc . . . . . D46273

**TUBE/PIPE HANDLING SYSTEMS**

ASMAG USA Inc . . . . . D46448  
Behringer Saws Inc. . . . . A3150  
Comco USA Inc. . . . . D46371  
Dalmec Inc . . . . . A3221  
Fehr Warehouse Solutions Inc . . . . . A5007  
J&S Machine Inc . . . . . D45723  
Pador Group - Rotoweld . . . . . B35034  
Steel Storage Systems Inc . . . . . A4525

**TUBE/PIPE HYDROFORMING MACHINES**

AutoForm Engineering USA Inc . . . . . D47232  
AWS Schäfer Technologie GmbH . . . . . A3356  
BCN Technical Services Inc. . . . . D47155  
FluidForming Americas . . . . . D47054

**TUBE/PIPE INDUCTION BENDERS**

AWS Schäfer Technologie GmbH . . . . . A3356  
Trilogy Machinery Inc . . . . . A4963

**TUBE/PIPE MILLS - ERW**

ASMAG USA Inc . . . . . D46448  
FD Machinery . . . . . D46346  
Fives . . . . . D46372  
Galaxie Corporation . . . . . D46551  
LINSINGER . . . . . A5568  
Mair Research SpA . . . . . D45978  
Universal Controls Group . . . . . D46361  
Universal Tube & Rollform Equipment Co . . . . . D46361

**TUBE/PIPE MILLS - GTAW (TIG)**

Addison Machine Engineering Inc . . . . . A3373  
Gasparini SpA . . . . . A3358  
Mill Masters . . . . . D46354  
Universal Tube & Rollform Equipment Co . . . . . D46361

**TUBE/PIPE MILLS - HIGH FREQUENCY**

Addison Machine Engineering Inc . . . . . A3373  
ASMAG USA Inc . . . . . D46448  
DieTronic . . . . . D46949  
Dreistern Inc . . . . . A5104  
FD Machinery . . . . . D46346  
Gasparini SpA . . . . . A3358  
Kent Corporation . . . . . D45946  
Mill Masters . . . . . D46354  
Piecsa USA LLC . . . . . D46561  
Rafter Equipment Corp . . . . . D46468  
Universal Controls Group . . . . . D46361  
Universal Tube & Rollform Equipment Co . . . . . D46361

**TUBE/PIPE MILLS - INDUCTION**

Addison Machine Engineering Inc . . . . . A3373  
Kent Corporation . . . . . D45946  
Mill Masters . . . . . D46354

**TUBE/PIPE MILLS - LASER**

Dreistern Inc . . . . . A5104  
IPG Photonics . . . . . B27038  
Kent Corporation . . . . . D45946  
Mill Masters . . . . . D46354  
Rafter Equipment Corp . . . . . D46468

**TUBE/PIPE MILLS - SPIRAL**

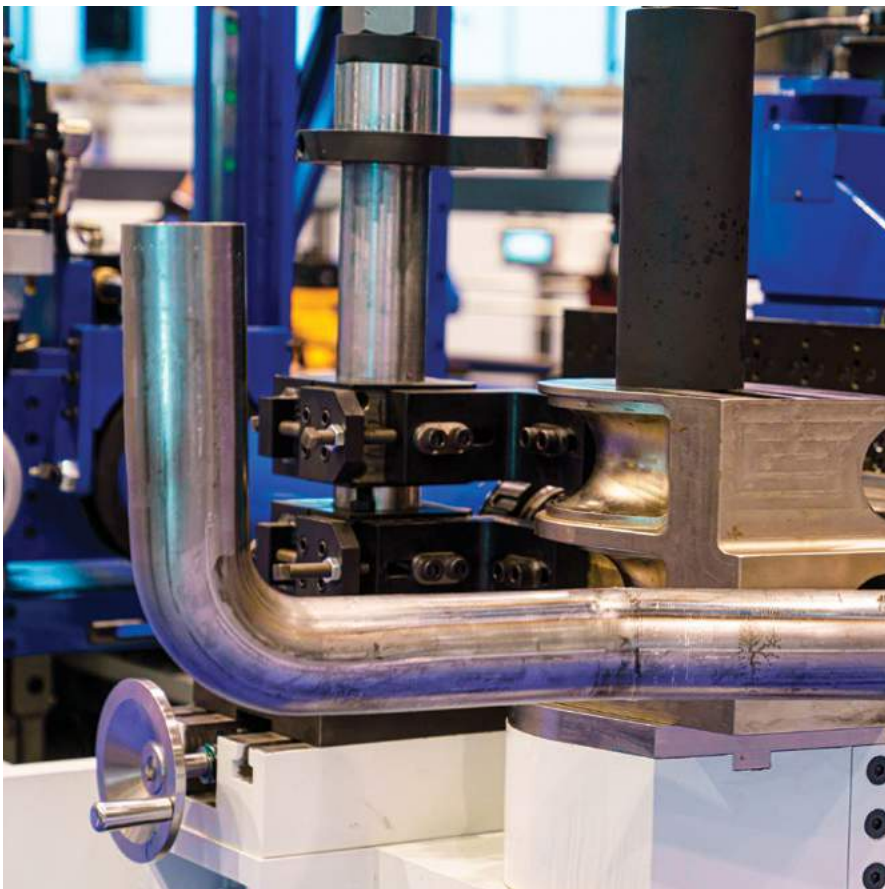
LINSINGER . . . . . A5568  
PRD Company/Cagil Makina . . . . . D46556

**TUBE/PIPE MILLS - WELDING POWER SUPPLIES**

Universal Tube & Rollform Equipment Co . . . . . D46361

**TUBE/PIPE NOTCHING MACHINES**

Bend-Tech LLC . . . . . B23053  
Bend-Tech LLC . . . . . D46180  
Ercolina - CML USA Inc. . . . . A5374  
Heck Industries . . . . . A5131  
Revolution Machine Tools . . . . . A2988  
Scotchman Industries Inc. . . . . A3526, A3625  
Trilogy Machinery Inc . . . . . A4963  
Uniflex Of America . . . . . D46365  
Vulcan Tool Company . . . . . D46658  
World Machinery & Saw Inc . . . . . D46273



## TUBE/PIPE OVALFORMING MACHINES

Weil Technology North America .....A3218

## TUBE/PIPE PIERCING MACHINES

MetalFinish LLC .....A3132  
Overton Industries Tube Forming Systems... D46351  
Schwarze-Robitec GmbH .....D45943  
Universal Tool & Engineering... D46158

## TUBE/PIPE RAM BENDERS

Boschert Precision Machinery Inc .....A5716  
J&S Machine Inc .....A3301, D45723  
VLB North America .....D46163

## TUBE/PIPE REDUCERS

BLM Group .....A2935  
Huth Ben Pearson International LLC .....D46453

## TUBE/PIPE ROLL BENDERS

AM Industrial Group .....D45956  
BLM Group .....A2935  
COLE-TUVE Inc .....A4550  
DAVI Inc .....A3639  
Ercolina - CML USA Inc. ....A5374  
Horn Machine Tools Inc .....D45940  
J&S Machine Inc .....A3301, D45723  
OMNI-X USA .....D46348  
Revolution Machine Tools.....A2988  
Schwarze-Robitec GmbH .....D45943  
Trilogy Machinery Inc .....A4963  
VLB North America .....D46163  
Waldemar Design & Machine LLC .....A5039  
Weil Technology North America .....A3218

## TUBE/PIPE ROTARY DRAW BENDERS

BLM Group .....A2935  
Chiyoda Kogyo-Maruka USA .....D46356  
Comco USA Inc. ....D46371  
Crippa USA .....D45932  
Ercolina - CML USA Inc. ....A5374  
Horn Machine Tools Inc .....D45940  
J&S Machine Inc .....A3301, D45723  
OMNI-X USA .....D46348  
Schwarze-Robitec GmbH .....D45943  
Transfluid Tube Processing Machinery Inc...D46138  
Tube-Line Technologies .....D45728  
Universal Tool & Engineering...D46158  
VLB North America .....D46163  
WAFIOS Machinery Corp. ....D46168  
YLM USA Inc. ....D45723

## TUBE/PIPE SCARFING EQUIPMENT

ESCO Tool Company .....B37012  
Kent Corporation .....D45946  
Rafter Equipment Corp .....D46468

## TUBE/PIPE SERPENTINE BENDERS

BLM Group .....A2935  
Chiyoda Kogyo-Maruka USA .....D46356  
Comco USA Inc. ....D46371  
J&S Machine Inc .....A3301, D45723  
Schwarze-Robitec GmbH .....D45943

Universal Tool & Engineering... D46158  
VLB North America .....D46163

## TUBE/PIPE STANDS/JACKS/ POSITIONERS

Mathey, B&B Pipe, PPM, Fit-Up Pro,  
TAG Pipe .....B23045  
RIDGID .....B17062  
Sumner A Southwire Company.....B37024

## TUBE/PIPE SUPPLIED - ALUMINUM

Eastern Metal Supply .....A3360  
TESEO SRL .....B13046  
Three D Metals Inc .....A3443

## TUBE/PIPE SUPPLIED - CHEMICALS (INCLUDING ACIDPROOF TUBES)

Quaker Houghton .....D45762

## TUBE/PIPE SUPPLIED - COPPER

Three D Metals Inc .....A3443

## TUBE/PIPE SUPPLIED - FITTINGS

Nordfab Ducting .....A3336

## TUBE/PIPE SUPPLIED - FLANGES

Nordfab Ducting .....A3336

## TUBE/PIPE SUPPLIED - GALVANIZED AND CLAD TUBES (ZN, CU, SN ETC.)

Nordfab Ducting .....A3336

## TUBE/PIPE SUPPLIED - MASTS (TUBULAR MASTS, LIGHTING, CONDUCTORS)

LDPI Inc .....D45533

## TUBE/PIPE SUPPLIED - OTHER

Fehr Warehouse Solutions Inc .....A5007  
Nordfab Ducting .....A3336

## TUBE/PIPE SUPPLIED - PIPE COUPLINGS

Nordfab Ducting .....A3336

## TUBE/PIPE SUPPLIED - PIPE PROTECTION CAPS

Nordfab Ducting .....A3336

## TUBE/PIPE SUPPLIED - PTFE

Thred Taper .....B34060

## TUBE/PIPE SUPPLIED - SOLIDS TRANSPORTATION (COAL, CEMENT, LIME, OTHER DUST)

Nordfab Ducting .....A3336

## TUBE/PIPE SUPPLIED - STAINLESS STEEL (RUSTPROOF)

Nordfab Ducting .....A3336

## TUBE/PIPE SWAGING MACHINES

BLM Group .....A2935  
Ercolina - CML USA Inc. ....A5374  
GFU- Maschinenbau Tube End Forming  
Machines .....D46364  
Grotnes Inc. ....A3581  
J&S Machine Inc .....A3301, D45723  
Kent Corporation .....D45946  
VLB North America .....D46163

## TUBE/PIPE THREADING/KNURLING MACHINES

BLM Group .....A2935  
Copier Inc .....D46271  
Crippa USA .....D45932  
Revolution Machine Tools.....A2988  
RIDGID .....B17062

## TURNING MACHINES

Mission Tool & Machine LLC .....D47456  
Muratec .....A4901

## ULTRASONIC CLEANING EQUIPMENT

Alconox .....D45864

## USED MACHINERY

Alma Machinery Co. ....D47528  
Bruderer Machinery .....D46724  
Bystronic Inc .....A2126  
Combustion and Systems Inc. ....D45036  
DieTronic .....D46949  
HAEUSLER AG Duggingen .....A5338  
KD Capital Equipment LLC .....A3375  
Kent Corporation .....D45946  
Leifeld Metal Spinning GmbH .....D46756  
Midwest Automation .....A4538  
Midwest Tool Inc. ....A3434  
Perfection Global LLC .....A3306  
Press Brake Repair .....A3005  
Revolution Machine Tools.....A2988  
T. J. Snow Company .....B28012  
Universal Controls Group .....D46361  
Universal Tube & Rollform Equipment Co..D46361  
VX-LLC .....A3197

## UV CURABLE COATINGS

Carbit Paint Co .....D45124  
Cardinal Paint and Powder .....D45749  
ClearClad Coatings LLC. ....D45562  
Decoral System USA Corp. ....D45249  
IFS Coatings Inc .....D45537  
Keyland Polymer UV Powder LLC .....D45541  
Klinger Paint Co .....D45055  
LINE-X Industrial Coatings .....D45143  
Mankiewicz Coatings .....D45135  
PPG .....D45132  
Quaker Houghton .....D45762  
Sherwin-Williams .....D45524  
Tristar Coatings Ltd. ....D45285

## UV CURING EQUIPMENT & LAMPS

Hedson Technologies North America .....D45768  
Stanza Machinery .....A3162  
System Technologies .....D45161

## VACUUM LIFTING & POSITIONING EQUIPMENT

Biele S.A.	D46843
Gorbel Inc.	A3518
JMR Industrial	A5855
LISSMAC Corp	A4924
Permadur Industries Inc	A3421
Slatpro LLC	A5106
TESEO SRL	B13046

## VACUUM METALIZING

VaporTech	D45853
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## VACUUM SYSTEMS FOR POWDER COATING

<b>CORAL Antipollution Systems</b>	<b>B37030</b>
Ruwac Industrial Vacuums	D45052
TIGER-VAC USA INC	A1409
VaporTech	D45853

## VARNISH

Cardinal Paint and Powder	D45749
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## VIBRATION CONTROL/ MACHINE MOUNTING EQUIPMENT

Delta Industrial	D47340
<b>Strong Hand Tools</b>	<b>B35026</b>
Vibro Dynamics LLC	D47529

## WASTE TREATMENT & RECOVERY PROCESSES & EQUIPMENT

<b>Air and Liquid Systems Inc.</b>	<b>D45057</b>
Closed Loop Recycling	A3570
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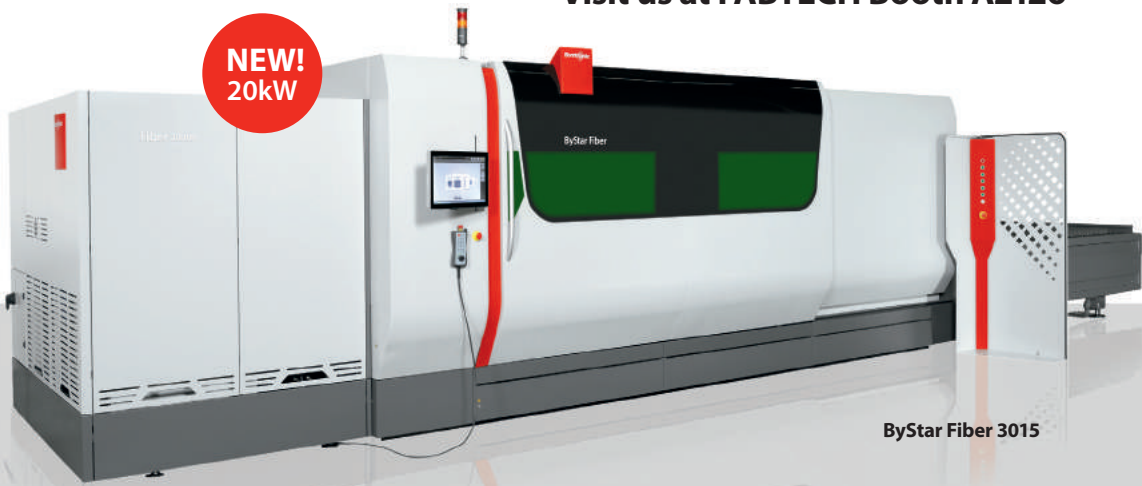
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