

NEW PRODUCT PREVIEW

A Sample of New Products Set to Debut at FABTECH 2013



A 360° VIEW OF THE MOST INNOVATIVE TECHNOLOGY AND PROCESSES. **FABTECH 2013.**



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

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McCormick Place | Chicago, IL USA

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BOOTH #N1861

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FABTECH represents every step of the metal manufacturing process from start to finish. It's where new ideas, products and technology are highlighted through interactive exhibits, education and networking. Compare solutions from 1,500 exhibitors, find the tools to improve quality and productivity, and learn ways to increase profit.



EXPERIENCE

- New product introductions
- Hands-on equipment demonstrations
- Networking opportunities among 35,000 industry peers
- Special events including Happy Hour and Cocktails and Comedy



LEARN

- From keynote speakers
- Thought-provoking panel discussions
- 100+ interactive educational sessions



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NEW PRODUCT PREVIEW

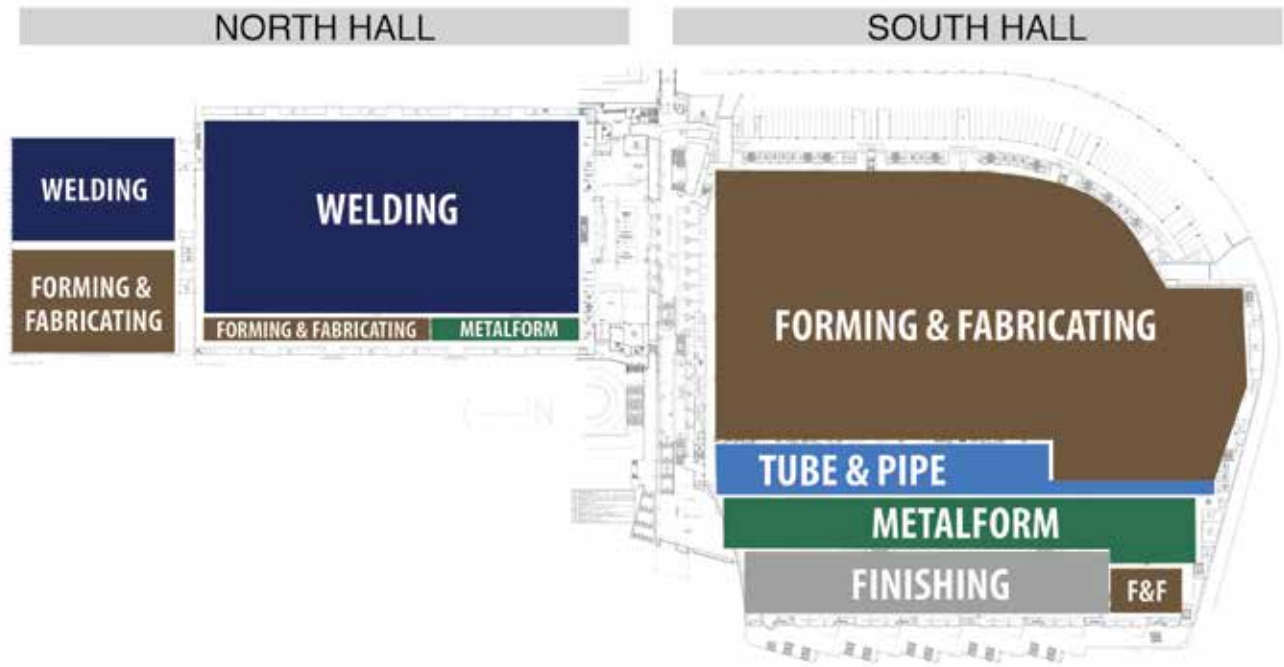
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SEE IT ALL UP CLOSE AND IN ACTION!

- | | | |
|----------------------------------|--------------------------------|------------------------------------|
| Arc Welding | Inspection & Testing | Roll Forming |
| Assembly | Job Shop/Contract Mfg. | Safety & Environmental |
| Bending & Forming | Lasers | Saws |
| Brazing & Soldering | Lubrication | Software/Machine Controls |
| Business Services | Maintenance & Repair | Stamping |
| Coil Processing | Material Handling | Thermal Spraying |
| Cutting | Metal Suppliers | Tool & Die |
| Fastening & Joining | Plate & Structural Fabricating | Tooling |
| Finishing/Paint & Powder Coating | Press Brakes | Tube & Pipe Fabricating or Welding |
| Finishing/Plating | Punching | Tube & Pipe Producing Waterjet |
| Gases & Gas Equipment | Resistance Welding | Welding Consumables |
| Hydroforming | Robotics | Welding Machines |

TECHNOLOGY FOCUSED PAVILIONS MAKE FINDING NEW PRODUCTS AND SERVICES EASY



Show Hours

Monday, November 18 10 a.m. – 6 p.m.
 Tuesday, November 19 9 a.m. – 5 p.m.
 Wednesday, November 20 9 a.m. – 5 p.m.
 Thursday, November 21 9 a.m. – 3 p.m.

Show Location

McCormick Place North & South Halls
 2301 S. Lake Shore Drive
 Chicago, Illinois 60616
 mccormickplace.com

HOW TO REGISTER

Register today online at fabtechexpo.com. Or, download a printer-friendly registration form from the Web site and fax to (508) 743-9696.

Register before November 15, 2013 for complimentary show admission. SAVE \$50!

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**VISIT
US AT**
BOOTH# N461



The following pages in this *New Product Preview* offer a glimpse of what's in store at FABTECH. Find descriptions and images of new machinery, new materials and new processes listed by technology and company name. To view a complete list of all the new products offered, click on the SEARCH Exhibitor Directory tab at fabtechexpo.com.

Arc Welding

ELCo Enterprises
Booth..... N616

Wire Wizard® Guide Module System



The Wire Wizard® Guide Module System uses a series of rollers to eliminate points of high friction in the wire delivery system. Benefits include a reduction in arc failures and downtime.

Electron Beam Technologies Inc
Booth..... N536

Braided Tubing



Electron Beam Technologies introduces its light weight, color coded, braided tubing for water and gas.

OTC DAIHEN Inc
Booth..... N842

Welbee Power Source Series

The welding control processor in the Welbee power source series operates at 20 nano-seconds. This ultra-high speed provides welding arc control, overall weld quality, improved welding speed, and reduction in weld spatter.

Servo-Robot Inc
Booth..... N1936
DIGI-I/Z



The DIGI-I/Z laser vision real time seam tracking system has several capabilities that address the needs associated with heavier section welding.

Telwin SPA
Booth..... N670
Technology TIG 222 AC/DC HF/LIFT



Telwin introduces its TIG (HF/LIFT), PULSE TIG and MMA inverter welding machine 200A (AC/DC) for steel, stainless steel, aluminum, titanium, nickel, and magnesium. TIG regulations include post gas, current down slope/time, bi-level, and balance. Remote control connector.

Assembly

Virtek Vision International
Booth..... S1850

Iris™ Spatial Positioning System (SPS)



Iris™ Spatial Positioning System (SPS) is a precision assembly system that combines the use of laser projection with 3D vision technology to create a new precision assembly technique called virtual tooling.

Bending/Forming

Carell Corp/Eagle Bending Machines
Booth..... S3101

T25-SIHRV2/10 - Vertical Format Tank Production Cell



The vertical format tank production cell model T25-SIHRV2/10 produce tanks shells rapidly and consistently using any material type, plasma cut and MIG/TIG/Plasma weld in automatic, leaving only 1 seam. Tanks are built vertically as shells are stacked.

Comco USA Inc
Booth..... S3513

TWS-15ND Dual Head Bender

Comco USA Inc's dual head right hand and left hand CNC bender standard features include; FlexPlus windows controller, dual stack tooling with dovetail style tooling mounts, quick change tooling, XYZ programming, and the option of mandrel less or mandrel bending.

Faccin USA Inc
Booth..... S1967

Revolutionary Forming Technology

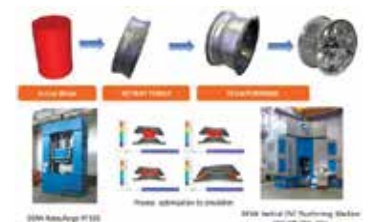


Faccin 4 roll machines feature new generation CNC, non-impact radius verification, updated hydraulics, as well as new management tools.

Global Metal Spinning Solutions Inc - Denn USA Metal Forming

Booth..... S4580

3-Roller Vertical Flowforming Machine



Global Metal Spinning Solutions - Denn USA Metal Forming introduce flowforming and rotary forging machinery for the production of bus, truck and passenger car wheels.

Samco Machinery Ltd
Booth..... S4657
**Continuous Welder In-line
With Rollformer**



Samco introduces its in-line high frequency welder coordinated alongside its rollformer not requiring a separate operation.

Toskar Machinery
Booth..... S5375
**MasterFab Hydraulic
Press Brake**



MasterFab is a press brake that can be utilized in any production environment due to its Delem 66 Touch controller, four axis backgauge with motorized Z fingers, CNC crowning and hydraulic top tool clamping.

TRUMPF
Booth..... S1701
**TruBend Cell 7000 –
High Speed Automated
Bending Cell**



TRUMPF debuts its most innovative development in automated bending technology, the TruBend Cell 7000. Developed with high productivity for small sheet metal component bending as the primary objective, the TruBend Cell 7000 combines unrivaled working speeds with a unique operating concept.

Brazing & Soldering

**Ningbo Feihong United
New-Materials Co Ltd**
Booth..... N516
**Phosphorus Copper Brazing
Alloys and Brass Brazing**



Phosphorus copper brazing alloys and brass brazing products available with specifications that include: flat rods: 0.05"x1/8"x18", round rods: 2.0mm, 2.4mm, 3.0mm, 3.2mm, 4.0mm, square rods: 1/8"x1/8"x18", ring available.



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Brazing & Soldering

Zhejiang Xinrui Welding Material Co Ltd

Booth..... N442

Aluminum Flux-Cored Wire

Zhejiang Xinrui Welding Material Co Ltd offers its Al-Si alloys with non-corrosive flux inside for brazing. Also, Al-Al in the form of rod, wire and rings.

Penn United Technologies Inc

Booth..... S4413

Prototyping and Additive Manufacturing



Penn United Technologies introduces its range of prototype tooling and precision metal manufacturing solutions.

Weld.com

Booth..... N2009

Weekend Warriors Forum

Weld.com introduces its Weekend Warrior Forum, a community of welders of all levels coming together to share their knowledge of welding.

Coil Processing

Bradbury Co., Inc., The

Booth..... S2731

Bow Scout™



Bow Scout™ (patent pending) is the latest automation innovation in critical flatness leveling technology from Bradbury.

Feed Lease Corp

Booth..... S4337

Cut-to-Length Systems



Feed Lease Corp introduces its CTL systems designed to

process coil ranging from 12" to 72" wide, .015"-.500" material thickness, and 4,000 lb. - 50,000 lb. coil weight. Types of material, CRS, HRS, galvanized, pre-painted, aluminum and stainless.

Herr Voss Stamco

Booth..... S2726

Enhanced Leveling Technology (ELT)



The Herr Voss Stamco Enhanced Leveling Technology provides stable material during and after post processing by laser, plasma or water jet cutting methods.

United Performance Metals

Booth..... S4444

18" Turret Head Slitting Line



With Allen Bradley based technology, the 18" Turret Head slitting line offers reduced set up time (2 heads), increased line speeds (0-400 FPM), increased # of narrow cuts being pulled (which reduces passes and reduction in scrap) and over-all operator efficiency. The pressure bar system eliminates scratching, and reduces camber.

Cutting

Cheil Grinding Wheel USA Inc

Booth..... N1988

Cut-Off-Wheel

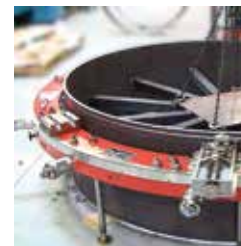


Cheil Grinding Wheel USA Inc introduces its K-PRIX reinforced cut-off wheels, readily availability for use with a wide range of ferrous and non-ferrous metal cutting applications such as bar stock, structural steel, tubing, and sheet metal.

E. H. Wachs

Booth..... N636

LDSF - Large Diameter Split Frame



E. H. Wachs introduces its large diameter split frame (LDSF) for cold cutting, beveling, facing & counterboring on large diameter pipes & vessels.

HGG Profiling B.V.

Booth..... S1889

SPC-RB CNC Pipe Cutting Machine



The HGG SPC-RB CNC pipe cutting machine is chuck-driven with a roller bed, eliminating

Business Services

Airgas Inc

Booth..... N1174

Welding Course



Airgas Inc introduces its 'Unlock the Hidden Cost of Welding' course where experts offer their knowledge on how to increase profits by welding more efficiently and effectively.

Fabricators & Manufacturers Association

Booth..... N1400

Forming & Fabricating Job Shop Consumption Report



The Forming & Fabricating Job Shop Consumption Report gauges the health of metal fabricating in the economy by surveying companies quarterly on operating capacity, new order activity, commodity pricing trends, logistics costs, and planned capital equipment purchases.

the need for a crane. It's suitable for use in pipe works, steel structures and offshore structures. Roller bed and chuck provide automated high quality high-speed cutting.

Hilalsan Makina Endustriyel Ve Tic LTD STI
Booth..... S5476

Ironworker



Hilalsan Makina Endustriyel Ve Tic LTD STI introduces the hydraulic punching, cutting, notching machine.

Hougen Manufacturing Inc
Booth..... S2133

RotaCut Sheet Metal Combo Kit



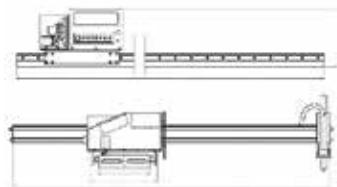
The RotaCut Combo Kit (part no. 11087) combines two of the most popular sheet metal holemaking kits in one package that contains 13 different sizes of cutters, two arbors, extra pilots & center punch. Made in the USA.

Kent Corp
Booth..... S4131
Deburr for Mitre Cut and Bent Tubes



Kent Corporation introduces its Burrmaster deburring machine, which automatically deburrs the ends of mitre cut tubes, bent tubes, or straight tubes. The Rotoburr deburr utilizes a 12" diameter x 6" wide brush.

Koike Aronson Inc
Booth..... N806
PNC-12 Extreme



The Koike PNC-12 Extreme is a compact, oxy-fuel or plasma CNC cutting machine.

Komatsu America Industries LLC
Booth..... S513

Twister Fine Plasma Cutting Table



Komatsu introduces the Twister with quick gas option for oxy cutting up to 2" thick plate over full table with the edge quality of fine plasma.

Mercer Abrasives a Division of Mercer Tool Corp
Booth..... N2808
Black Lightning® Cut-Off Wheels



Mercer Abrasives' Black Lightning® cut-off wheels are reformulated for lightning fast cuts and longer life.

Messer Cutting Systems
Booth..... S1755
Titan III



The Titan III features linear ways in the Y-Axis, along with rack and pinion drives and wider end trucks to allow for the electrical cabinets to mount within the truck.

SteelTailor Ltd
Booth..... N874
LEGEND B5II



SteelTailor Ltd offers its LEG- END B5II which can cut as thin as 0.3mm, and as thick as 25mm. With a unique dual mode design, one machine works as two. Plasma cutting thickness range from 0.3 to 25mm.

Victor Technologies
Booth..... N1457
Victor® Medalist Oxy-Fuel Outfits



The Victor® 400 series torch is available in medium and heavy-duty models and also sold as part of the Medalist® 250 and Medalist 350 outfits. Outfits include a torch handle, cutting attachment, welding tip, G Series regulators and hoses.

Victory Plasma Systems
Booth..... N2453
Integrated Pipe Cutter



Victory introduces its Integrated Pipe Cutter, which adds a pipe cutter to the interior of its unitized cutting bed and can handle pipe 2"-12" diameter up to 45' in length. The pipe cutter offers a vertical cut and is notching capable.

Voortman Corporation
Booth..... S1773
V304 Plate Cutting



The V204 Plate Cutting system from Voortman Corporation is an all purpose, rugged and high powered system for combined cutting jobs. Suitable for large amounts and repeating cutting jobs.

Fastening & Joining

ATTEXOR Clinch Systems SA

Booth..... S2119

Filters Clinching Machine



ATTEXOR Clinch Systems introduces its full automatic station for clinching filters. The clinching station is ready for connection to a 6 bar air and 220V supply, up to 6 clinch heads can be installed, distance between can be manually adjusted. Accommodates filter frame from 270x270 up to 915x915 cm, and clinch heads can be reduced by means of quick locking individual supports.

Captive Fastener Corp

Booth..... S2127

Reel Mounted Spacers and Nuts



Captive Series CRM Reel Mounted Spacers and Threaded Nuts provide a low-installed-cost solution for surface mount hardware.

Fein Power Tools Inc

Booth..... N264

Cordless Drill/Drivers



The FEIN cordless drill/drivers are available in 14V & 18V, 4 & 2 speed, 1/2in & 1/4in impact drivers, and supplied with 2amh or 4amh batteries, chargers and plastic case.

Lenzkes Clamping Tools Inc

Booth..... S4884

Multi-Quick 60, 100, 106 Clamps



Lenzkes features its MQ 60, 100, 106 clamps which offer stepless adjustable range & high clamping pressure through low torque. The MQ 60 & 100's compact size is ideal for smaller machines & MQ 106 provides high adjustability with an integrated sliding plate.

Finishing

Abtex Corp

Booth..... S1950

Profile End Preparation



Abtex Introduces its Profile End Preparation (PEP) system.

AFC Finishing Systems

Booth..... S4837

Airflex Sweeper Recovery System for Blast Rooms



The Airflex Sweeper Recovery System is a full recovery floor that automatically recovers media from beneath the operators' feet. Supplies blaster with endless supply of media, eliminating the need to stop production to recover media.

Apex Machine Group

Booth..... S2179

1037M-DS



Apex Machine Group introduces its model 1037M-DS, which combines two of its most widely used technologies, the wide belt sanding head and the Slip-Con disc station for deburring.

Calvary Industries Inc

Booth..... S5512

Advantech

Advantech is a next generation, high performance pretreatment. Advantech products are based on transitional metal chemistry, such as zirconium and titanium, but have eliminated the issues associated with these types of products.

Chemtool Inc

Booth..... S4542

Chem - Clean 8

Chem-Clean 8 is a specialty formulated, silicate free cleaner formulated for pre-paint and other applications. Chem-Clean 8 is effective at removing very heavy, oily contaminants from parts and surfaces.

Dynaflux Quality Products/QWP Division

Booth..... N1882

HTR121 Heat Tint Machine Modified Brush System

The Dynaflux HTR121 modified heat tint machine with new brush system, enables cleaning larger areas, and difficult areas to reach. Will pickle and passivate.

Karl Heesemann Maschinenfabrik GmbH & Co KG

Booth..... S2194

Heesemann MSM 10



The Heesemann Metal Sanding Machine MSM 10 is perfectly applicable for sanding and structuring metal workpieces and for removing burr and residues on the surface produced by laser cutting and stamping.

Keystone Fastening Technologies

Booth..... N2856

Metalworking Abrasives

Keystone Fastening Technologies offers its line of metalworking abrasives; cutting disks, grinding discs, flap discs and tungsten carbide burrs.

**Kremlin Rexson & SAMES
— EXEL North America Inc**
Booth..... S5355

**SAMES InoBell Powder Bell
Applicator®**



The InoBell® is a high transfer efficiency applicator that offers first pass transfer efficiency and uniform high finish quality.

Nordson Corp

Booth..... S5324

Encore HD Automatic Gun



The Encore HD Automatic Powder Spray Guns from Nordson incorporate a proprietary, integral HDLV module. Designed specifically to work with Nordson HDLV pump technology, the Encore HD gun design allows adjustment of the powder concentration and spray velocity to achieve coating coverage and cured finish for every conceivable part type.

Norton Abrasives

Booth..... N461

**NorZon® Plus Abrasive
Wheels**



Norton Abrasives offers a major upgrade of its BEST-tier depressed center wheels for right angle grinding. The NorZon Plus line has expanded with Norton NorZon Plus Fast Cut™ Wheels, for material removal.

Petroferm Inc

Booth..... S4818

**AXAREL® 1000: Low Odor,
MIL-PRF-680 Solvent**



Petroferm offers its AXAREL 1000 precision solvent, avail-

able in pre-saturated wipes. AXAREL 1000 wipes exhibit very low volatility which assists in lowering VOC emissions, fire risk and total cost of ownership. They can be used in place of acetone, isopropyl alcohol (IPA), mineral spirits, or PD-680 solvents.

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Parts Collage courtesy of PMF Industries, Williamsport, PA

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TECHNOLOGY, INC.**
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Booth **S4421**

Finishing

PFERD INC

Booth..... N1841

COMBICLICK® Non-Woven Discs



PFERD's innovative COMBICLICK® system combines an innovative flexible backing pad with a unique quick-mounting system. The COMBICLICK® system includes a complete range of non-woven and felt discs for surface conditioning, fine grinding, and polishing.

SlipCon USA

Booth..... S2081

Model LS-2TBLR 300 Lineal 4 Sided Sanding Machine

The Model LS-2TBLR Lineal 4 sided sanding machine is designed for effective multi-sanding in one pass with a working width of 12" (300mm). The sander has two top, two bottom, two left and two right sanding heads with a motorized conveyor and is designed to process four sides in a single pass.

TCI Powder Coatings

Booth..... S5540

Trullusion Powder Coatings



TCI Trullusion product line offers extremely high DOI, high reflective metallic look, and a formulation backbone and pigment package that can be used outdoors.

Veolia Water Solutions & Technologies

Booth..... S5660

Spent Caustic Degreaser Recovery System

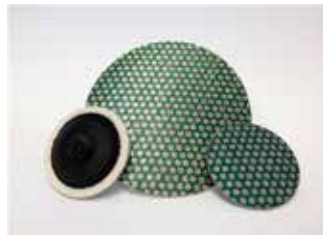


CeraMem ceramic membranes combine innovative design features and unique materials of construction to provide ceramic membrane modules with exceptional performance for microfiltration (MF) and ultrafiltration (UF) applications.

VSM Abrasives

Booth..... N1932

Diamond Abrasives



VSM introduces its Diamond Abrasives, which utilizes a specially designed backing incorporating both Kevlar and Copper layers. It can be made in both disc and belt forms.

Weiler Corp

Booth..... N2431

Tiger Paw™



Weiler Corp introduces its Tiger Paw™ flap discs, designed for aggressive performance. The 100% zirconium discs offer extended performance. High performance grain and special

poly cotton backing provide superior grain retention.

Zerust Corrosion Solutions (Northern Tech Intl Corp)

Booth..... S4459

ActivPak(LS)



Zerust introduces the ActivPak(LS), fast-acting, drop-in corrosion inhibitor diffuser packets.

Gases & Gas Equipment

FIBA Technologies Inc

Booth..... S4080

Superjumbo CNG Tube Trailer

FIBA Technologies Inc introduces the Superjumbo CNG Tube Trailer, capable of hauling 289,171 SCF (12,998 LBS) of CNG. The tube trailer contains fourteen 2,748 PSI tubes, each with a water volume of 85.7 CU.FT. (2,427 L) or a total of 1,200 CU.FT. (33,978 L).

Kaplan Industries Inc/ Midwest Cylinder

Booth..... N356

Cylinder Cradles

Kaplan Industries Inc/Midwest Cylinder introduces its line of manifolds, carts, and cradles.

REXARC International

Booth..... N544

GASLOC



REXARC International introduces the GASLOC with a tamper-proof design, LoCable™, light weight, easy to install, fits most regulators on the market, and is available in colors coded to gas as well as custom colors (minimum order applies).

Hydroforming

Nikko Sangyo Co Ltd

Booth..... N130

Bulgeformed Faucet



The Nikko Sangyo Co Ltd faucet is bulge-formed from 1.5mm thick 304 stainless welded tubing, and available with wall thickness from 1mm up to 2mm.

Triform Sheet Hydroforming

Booth..... S4619

Sheet Hydroforming-with Pre-Production Simulation



Triform offers its next-generation Deep Draw & Fluid Cell sheet hydroforming presses, in combination with an advanced forming simulation software – Pam-Stamp 2G from ESI.

Inspection & Testing

Bruker Elemental HXRF
Booth..... N1583
S1 TITAN



The S1 TITAN quickly identifies alloy grade and complete chemistry of metals. At 1.44 kg, the S1 TITAN is a light tube-based handheld XRF analyzer.

Creaform
Booth..... S3592

MetraSCAN-R Optical CMM 3D Scanner
Creaform introduces its MetraSCAN-R series of robot-mounted optical CMM 3D scanners for fast and highly accurate (up to 0.085 mm) automated inspection on and off the production line.

data M Sheet Metal Solutions GmbH
Booth..... S4191

COPRA® ProfileScan Desktop (CPD)



data M Sheet Metal Solutions GmbH introduces its COPRA® ProfileScan, which measures profile sections or short samples contactless by means of a sensor and a turntable.

DeFelsko Corp
Booth..... S4821
PosiTector Inspection Kit



DeFelsko Corp introduces its PosiTector Inspection kit, used for coating inspection. The PosiTector gage body accepts all coating thickness (6000), environmental (DPM), surface profile (SPG), and ultrasonic wall thickness (UTG) probes.

Hexagon Metrology Inc
Booth..... S4654

ROMER Absolute Arm with Integrated Laser Scanner



The enhanced ROMER Absolute Arm with integrated laser scanner offers an acquisition speed of up to 50,000 points per second.

Laboratory Testing Inc
Booth..... S3515

Fatigue Crack Growth Testing
Laboratory Testing Inc. now includes fatigue crack growth testing (da/dN testing) in its line of mechanical testing services. The test presents resistance of materials to stable crack extension under cyclic loading and is performed to ASTM E647 standard.

Magnetic Analysis Corp
Booth..... S3503
VARIMAC® VI



MAC introduces the VARIMAC® VI, an eddy current comparator for checking and sorting physical characteristics in metal parts.

Matuschek Welding Products Inc
Booth..... N2833

SPATZ Multi04



The SPATZMulti04 weld recorder and analyzer measures and stores process information for welding current (AC or DC), weld time, welding voltage, electrode force, weld energy, and electrode displacement.

Shantou Inst of Ultrasonic Instruments Co Ltd (SIUI)
Booth..... N2547

SUPOR-Phased Array+TOFD Ultrasonic Flaw Detector



The SUPOR is designed to work with welding, pressure vessel, and fiberglass inspection for the aerospace, power generation, primary metal, foundry, oil and gas and shipbuilding industries.

Xiris Automation Inc
Booth..... N2217
XVC-O Open Arc Weld View Camera Systems



The Xiris XVC-O Weld View Camera system is intended for monitoring all open arc welding processes such as, MIG, MAG, TIG, Plasma, Laser or Stick.

Zarbeco LLC
Booth..... N571

Video ToolBox Premier Software
Zarbeco LLC offers its Video ToolBox Premier software, a digital imaging product.

Job Shop/Contract Manufacturing

Johnson Bros Metal Forming Co
Booth..... S2304

Hat Channel with Slots
Hat Channels are a roll formed metal u-channel with a bottom horizontal web and 2 vertical legs with outward flange, these outward flanges can also be called wings or fins.

Sharpe Products
Booth..... S3490

Ram Tube End-Forming up to 7" O.D.



Sharpe Products six head end-former can handle tube sizes from 1/2" up to 7" O.D. This CNC machine makes multiple end-forms on one piece of tube by being hit up to 6 times in one process.

Lasers

AKS Cutting Systems Inc Booth..... S3301

Fiber-Kut 4' x 4'
AKS offers the Fiber-Kut, a fiber laser cutting system with a 4' by 4' cutting area.

Amada America Inc Booth..... S901

ACIES Series



Amada introduces the latest evolution in punch and laser combination technology, combining unmatched productivity and scratch-free processing of complex sheet metal parts.

Bystronic Inc Booth..... S1731

ByAutonom 3015 Laser Cutting System



Bystronic Inc. introduces its ByAutonom 3015 with ByLaser 6000. ByAutonom's automated functions virtually eliminate operator interventions, reducing non-productive time and lowering the cost per part.

Centricut Booth..... S951 Sensor Cones for CO2 Laser



Centricut introduces sensor cones for Amada, Mazak, Mitsubishi and Precitec heads that offer equal performance to the OEM. Sensor cones are engineered and manufactured to Hypertherm's high quality standards and come with a one year warranty.

Han-Kwang USA Inc Booth..... S3340 FS FIBER



The redesigned FS FIBER represents the latest in control, drive and laser technology, providing superior accuracy, speed, and capacity. The fiber laser source offers excellent design and performance.

Innovative Tube Equipment Corp Booth..... S3649 Tube Laser Cutting Machine



The TTM FL800 3D laser tube cutting machine can be used to cut round, square and rectangular tubes, along with non-tubular open profile sec-

tions, ranging in diameter from 6-32 inches and lengths up to 60 feet.

LaserRite Booth..... S2341 LaserRite™ Duo



American Biltrite introduces its LaserRite Duo fiber optic and CO2 laser cutting film, developed to meet the high speed requirements of the latest fiber laser machines.

LaserStar Technologies Corp Booth..... S2309

Industrial Laser Welding Systems



LaserStar's 1900 Series Industrial Laser Welding Systems are ideal for a wide range of metal joining, complex assembly, automation and repair applications for the industrial marketplace.

Ningbo Jinfeng Welding & Cutting Machinery Manufacture Co Ltd Booth..... N353 Laser Cutting Machine



The Ningbo Jinfeng laser cutting machine is equipped with a laser generator within the

machine, preventing the longitudinal running from being affected by the optical path. This provides a higher power CNC laser cutting machine that can be applied in a wider range.

Nitto Denko America Inc Booth..... S2253

Fiberguard™ 310GH5



Nitto's Fiberguard™ 310GH5 surface protection tape protects metal surfaces during Fiber and CO2 laser cutting processes. The unique design uses proven engineering to offer a blended film for the most difficult and newest cutting applications.

Nufern Booth..... S3188

NuQ 50W Fiber Laser for Marking

The latest addition to the NuQ series is a 50W average power, air-cooled Q-switched fiber laser based on the same highly successful industry standard platform as the 20W and 30W pulsed fiber lasers.

Richardson Electronics Ltd Booth..... S2018

Remanufactured CO2 Driver Stages



Richardson Electronics now offers remanufactured driver stages used in Trumpf CO2 lasers. Each unit undergoes a thorough 38-point process and is tested and burned in for 24 hours before delivery.

Thermacut Inc

Booth..... N855

Laser Cutting Consumables and Optics

Thermacut Inc. offers its product line of laser cutting consumables and optics for both the Trumpf® and Bystronic® laser cutting systems.

VyTek

Booth..... S2976

FiberCut



VyTek introduces the FiberCut series which combines the latest developments in fiber laser technology utilizing the

next generation air and water cooled fiber lasers.

Lubrication

Andantex USA Inc

Booth..... S4877

FlexxPump 1500



FlexxPump 1500 is a compact automatic relubrication unit that delivers grease efficiently with minimum quantity to the points being lubricated. Equipped with up to 10 outlets fed by piston pumps, with programmable delivery rate and frequency.

Heck Industries

Booth..... S2209

Crazy Larry's Secret Lube

Heck Industries offers its latest cutting oil.

Precision Fluids

Booth..... S4279

Metal Forming Fluids

Precision Fluids offers metal forming fluids for drawing & stamping lines.

Tower Oil & Technology Co

Booth..... S4709

Saf-T-Draw

Saf-T-Draw is an advanced green fluid technology providing an environmentally safe, VOC Free replacement for solvent based vanishing oils.

Machining/EDM

Anchor Danly

Booth..... S4714

SNK RB-6 CVM

Anchor Danly introduces the SNK RB-6VM 80" x 137" x 236" with right angle capabilities.



FlexFast™ Welder

The most adaptable & practical resistance welder.

New product features:

- Quick change tooling platen with locate & lock mechanism
- Quick change upper electrode system
- Large equipment operating window
- Maximum weld force 8,000 lbs
- Full feature PLC options
- Up to three actuators per standard welder



centered on solutions

CenterLine (Windsor) Limited
Tel: 519-734-8464, email: info@cntrline.com

www.cntrline.com

Fabtech Booth #N2419

Maintenance & Repair

Daubert Cromwell

Booth..... S4250

Nox-Rust Premium Rust Removing Gel



Daubert Cromwell offers a water-based, non-acidic, brush-on rust remover that clings to metal surfaces. This thick gel remover begins to work in minutes, wipes or rinses clean, is safe to use, odorless, clear, and has no HAPs or VOCs.

MTI Power Services

Booth..... N2309

SOCKET MASTER

MTI has designed the SOCKET MASTER, a machine that mounts quickly to the stub tube OD and excavates bad welds (360°) in minutes. It leaves a uniform, machine quality surface for welding and eliminates the need for mid-process testing.

Material Handling/ Marking

Docmagnet Inc

Booth..... S2069

Pick N' Place Permanent Electro Magnet

The Pick N' Place is a permanent-electro magnet for use on robotic fixtures for material handling. The unit comes in a variety of standard sizes and can be designed to fit most applications.

Ergotech Inc

Booth..... S1925

Compact 3-Axis Motorized Work Positioner



Ergotech Inc. introduces its compact, 3-Axis motorized work positioner, suitable for welding, assembly, etc. and offers full 360-degree infinitely variable, bi-directional vertical speed rotation, 90 degree tilt angle, as well as a work height adjustment.

Flexarm Inc

Booth..... S3190

Part Manipulator PM44-S1

Flexarm Inc introduces its part manipulator, PM44-S1. Specifications include: weight range – 0-90 lb., work range – 0-108" and arm length – 4 feet.

Pax Products Inc

Booth..... S4314

EGD-50 Oscillating Conveyor

The EGD-50 conveyor can carry 50 pounds of trays plus the weight of the scrap being conveyed out. The patented conveyor utilizes an electric motor to drive elliptical gears located in a sealed oil bath, which provides an extremely reliable design.

Saf-T-Cart Inc

Booth..... N1836, N1934

EZ-Load-4L-MH



The EZ-Load-4L-MH is a ratchet operated liquid cylinder

cart designed to reduce 'pinch points' and injury opportunities while moving cylinders. Easy maintenance and minimal training necessary make this cart highly desirable.

Steel King Industries Inc

Booth..... S2279

Bar Racks



Steel King offers bar racks with improved design.

United ProArc Corp

Booth..... N309

Positioner



United ProArc Corp offers its stream-lined positioner, compact with rigid load capacity from 100kg to 20,000kg.

Welker Engineered Products

Booth..... N2871

Part Positioner

Welker compact dual-action part positioners are used to preload, position and clamp parts from above. Ideal for down-turned flange stampings. Provides substantial savings over traditional overhead locating and clamping constructions.

Yaskawa America Inc

Booth..... N818

RM2-Series Part Positioners



The Yaskawa Motoman RM2-series Ferris Wheel part positioners have a 17% smaller width than standard positioners and offer larger payload capacities.

Metal Suppliers

AED Motorsport Products Ltd

Booth..... S4124

Custom Aerotube



AED Motorsport Products purchases the equipment to produce custom aerotube/streamline roll-formed from round tube.

Changshu Special Shaped Steel Tube Co Ltd

Booth..... S4040

Seamless Fin Pipes



Changshu Special Shaped Steel Tube Co Ltd introduces its line of Seamless Fin Pipes. The pipes are seamless, and the complete fin tubes have no welding seams, and are not welded to the pipe. These fin

pipes are seamless cold drawn and patented in China.

Eagle Brass Co
Booth..... S4205

High Yield Stainless Steel 301
Eagle Brass Co now produces High Yield Stainless Steel 301 for the spring industry.

Han's Laser
Booth..... N245

Mars J 20



The MARS J series fiber laser marker can work in an offline mode (without a computer) and offers the high quality and reliability advantages of a laser beam.

**Other Machinery/
Equipment/Parts/
Products**

American Friction Welding
Booth..... N247

**Valve Pistons –
Before & After Machining**



American Friction Welding offers friction welding of components with near-net-shapes.

Art Technologies Inc
Booth..... S4708

Sealed Tapered Roller Bearing
Sealed Tapered Roller Bearings are designed for high thrust-load capacity applications while retaining lubricants and preventing contaminants to extend the life of the bearing.

Beckwood Press Co
Booth..... S4719

Heartbeat System



On-board pre-preventive maintenance capability through real-time monitoring of hydraulic press system health. Includes fluid health & pump efficiency monitoring with early-warning notification capability to prevent unplanned downtime.

Bunting Magnetics Co
Booth..... S4652

Magnetic Thin Plate Lifters



Bunting Magnetics Co offers its manually operated permanent magnet lifter specifically designed for lifting thin plates and removing single sheets from a stack. Lift plates down to .20" thick, with the same safety factor (3:1).

Burghardt + Schmidt GmbH
Booth..... S2378

EP300 Offline Burr Height Measuring System



Burghardt + Schmidt GmbH introduces its EP300 Offline laboratory system for manual measurement of cut out samples.

DESCH Canada Ltd
Booth..... S4616

Servox Brake



With a combination of electronics and mechanics for control, unique test rigs and the development of new drive technologies, DESCH offers its multi-functional brake specifically for servo press drives.

EnvisionTEC Inc
Booth..... S4141

ULTRA 3SP Series



EnvisionTEC's ULTRA® 3SP Series 3D printers use 3SP (Scan, Spin and Selectively Photocure) technology to quickly 3D print highly accurate parts from STL files. 3SP can be used in large frame systems.

Garrick USA
Booth..... S2171

Linishall BG8/915



Garrick USA introduces its Linishall 8" heavy duty bench grinder with belt and disc grinding attachment.

Hex-Hut Shelter Systems Ltd
Booth..... N147

Octo-Hut Welding Tent



The Octo-Hut Welding tent shields welds from elements, creates a uniform, well-lit workspace, independent of grade or height of weld. Also, ultra-light and portable, sets up in under 10 minutes, and covers 4-24" pipeline welds.

Keller USA Inc
Booth..... S5621

RECLAIM



RECLAIM provides an environmentally reliable dry separation process for wet painting processes.

Other Machinery/ Equipment/Parts/ Products

Linemaster Switch Corp
Booth..... N872

**Electronic AC Speed Control
Foot Switch**



Linemaster Switch Corp introduces the Electronic AC Speed Control Foot Switch, designed to offer precise variable control of fractional horsepower universal motors.

Ohio Laser LLC
Booth..... S2216

Mobile Work Table XL



The Mobile Work Table XL features rugged all-welded steel construction, and is designed for demanding industrial and manufacturing work environments. With a 5,000 lb. distributed weight capacity, it easily accommodates a wide variety of plant operations.

Rafter Equipment Corp
Booth..... S4277

Roll Forming Machine

Rafter Equipment introduces a 2-pass roll stand assembly, which offers a lower cost rafted machine design and a customized drive train arrangement.

Richard Hough Ltd
Booth..... S4889

**RoberteX + Roberto Yellow
Fibre Filled Rolls**



Richard Hough Ltd offers its RoberteX chemically resistant fibre rolls and its Roberto Yellow oiling and wringing rolls.

**ShengYuan Mechanical
Equipment Engineering
Co Ltd**

Booth..... N392

CNC Lathe

ShengYuan introduces its line of machinery; CNC lathe: 21 sets, CNC milling machine: 18 sets, Slow wire cutting machinery: 4 sets, Lathe: 8 sets, Milling machine: 25 sets, and Grinding machine: 30 sets.

Tri Tool Inc

Booth..... N611

TTM Template Tracer



The TTM Template Tracer Modules can be used for light duty form tool applications as well, such as counter boring and cutting a bevel radius.

UltraLube

Booth..... S2355

**UltraView® 18V Cordless
Grease Gun**



UltraView® Cordless Grease Gun with 18-volt battery and heavy-duty motor delivers over

7,500 PSI of force. Clear, shatterproof, polycarbonate barrel to identify grease, eliminating cross-contamination. Two NiCad batteries, charger, 42" hose, strap & case.

**Weifang Baolong
Precision Casting Co Ltd**

Booth..... N388

Forklift Parts

Weifang Baolong offers its line of forklift parts, auto parts, locomotive parts, valve, earth-moving equipment parts, and harvesting machine parts.

Plate & Structural Fabricating

Farley Laserlab USA Inc
Booth..... S3690

**Trident-Combination
Plasma Cutting and Drilling**



Farley Laserlab USA Inc introduces its Trident, with HPR400XD Autogas, bevel-head and drill.

Ficpe Corporation

Booth..... S1786

Gemini 36 XD



The Gemini 36 XD addresses large and heavy plate applications that require drilling, milling, tapping, countersinking, counter boring and oxy cutting to size.

Hypertherm Inc
Booth..... S951
Powermax125®



Hypertherm introduces the Powermax125 to its Powermax family of industrial plasma cutting and gouging systems. It offers 125 amps of power and has a recommended hand cutting rating of 1.5 and a severance rating of 2 1/4".

**PythonX-Burlington
Automation**

Booth..... S3384

**PythonX Structural
Fabrication System**



The PythonX Structural Fabrication System allows users to fabricate structural steel in one place eliminating wasteful material handling and saving valuable shop space.

Welding Alloys USA
Booth..... N2018

Hardlite

Hardlite is a thin, light and hard Chromium carbide wear plate that is extremely wear resistance to sliding abrasion and moderate impact.

Punching

Murata Machinery USA Inc

Booth..... S938

Motorum 2048TS



Motorum 2048TS includes servo driven ram design, intelligent control interface, large turrets with 4 large auto index stations, is automation process integration capable, available in Wiedemann or Spring Style tooling, and meets RBD.

Resistance Welding

BF ENTRON Ltd

Booth..... N208

4PAK Cascade Resistance Welding Control

BF ENTRON Ltd offers its modular cascade resistance welding system capable of up to 16 rapid cascade welds into welding transformers of 150/300 kVA, depending upon choice of SCR. The system consists of one master unit and up to 3 slave units, each capable of driving four welds.

Dengsha America Corp

Booth..... N429

NDZ Projection Welding System



The NDZ Projection Welding System combines the NDZ Pedestal Welder with a Dengsha Feeder. Ideal for manual or robotic systems. Initiated by foot switch, dual palm stand

or robotic interface. Installation, set-up and operation are easy and trouble-free.

Etal/INDUX Sa De Cv

Booth..... N630

Resistance Welding Consumables



Etal has over 50 years of experience in resistance welding manufacturing: wheels, rings, electrodes, and caps.

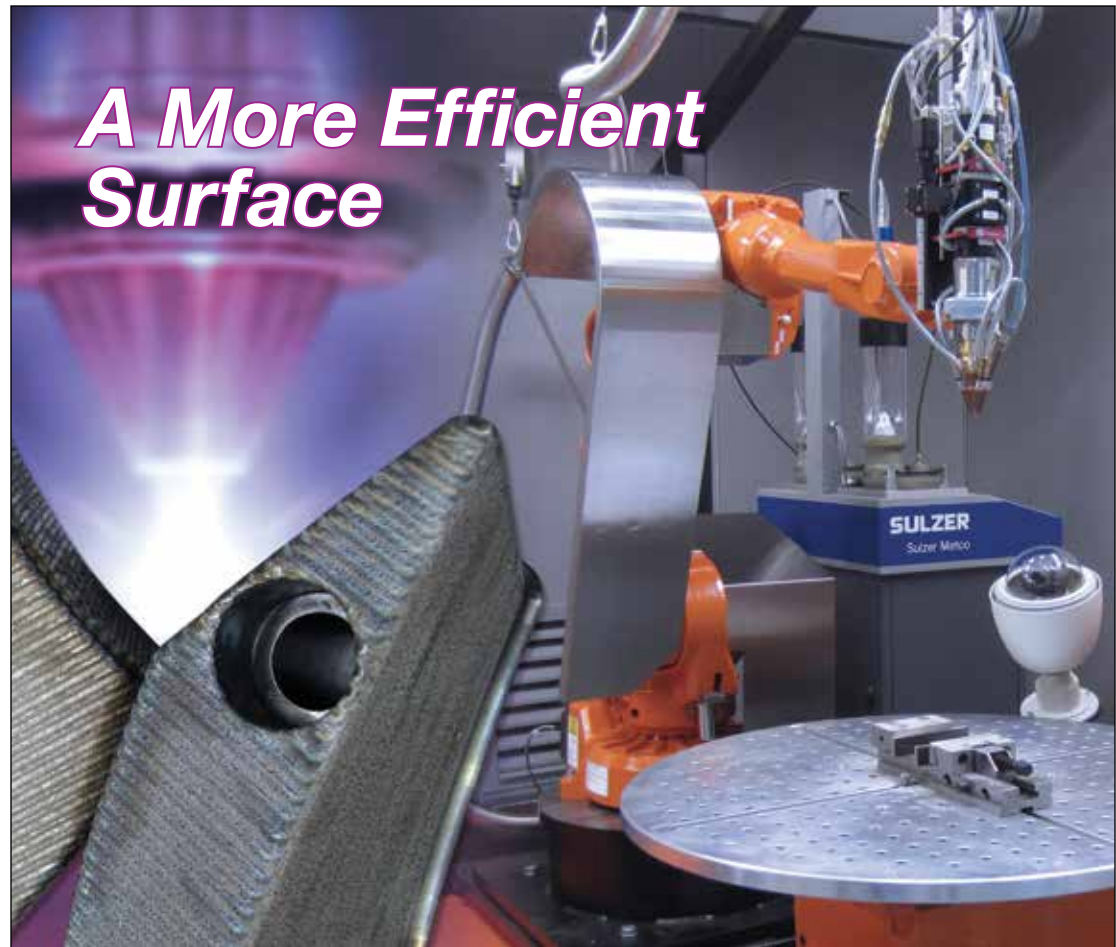
Ideal Welding Systems LP

Booth..... N1694

CSR102 Automated Resistance Welder



Ideal Welding Systems LP introduces its CSR102 automated resistance welder which can be programmed and tooled to weld 2D and 3D sheet metal and wire components, offering improved quality, reliability and efficiency.



A More Efficient Surface

To more efficiently crush rock, mining engineers partnered with Sulzer for the answer.

Without a wear-resistant coating, rock crusher teeth wear out in a matter of days. So when mining engineers asked us to help them reduce their downtime maintenance costs, we got right to work. Together, we developed a solution using a **MetcoClad™** 5-axis cladding system and a **MetcoClad™** laser cladding material to create a thick deposit on all exposed surfaces of the teeth with a hardness better than 1500 HV300. The result? Those rock crushers never worked so hard! They crush more efficiently and stay in service substantially longer. *Working together, we can do great things.*

SULZER

Come See Us At
FABTECH 2013
Booth N404
McCormick Place
Chicago, IL
Nov. 18 - 21 , 2013

www.sulzer.com

Robotics

BeamMaster (AGT)

Booth..... N2082

GougeMaster



BeamMaster (AGT) offers its GougeMaster, for automated robotic plasma gouging.

FANUC America Corporation

Booth..... N1169

3D Area Sensor



FANUC America introduces its high-speed 3D Area Sensor for robotic bin picking applications. The 3D Area Sensor provides full 3D maps in one quick vision shot.

Nachi Robotic Systems Inc

Booth..... N842

MZ07

The Nachi MZ07 series small robot arm features ultra-high speed with advanced through-arm dress capabilities to simplify routing of hoses and cables for material handling, assembly, vision and many other applications.

Robotiq

Booth..... N1871

Kinetiq Teaching



Robotiq Kinetiq Teaching quickly and easily task Yaskawa robot welders without requiring in-depth programming knowledge. Through this application companies can capture the benefits of automating welding processes..

Safety & Environmental

Ace Industrial Products

Booth..... N2030

73-201- Hi-Lo Portable Welding Fume Extractor



Ace Industrial Products introduces its Model 73-201 portable extractor with the Tte contractor and maintenance person in mind. Made in USA.

ASSA ABLOY Entrance Systems

Booth..... N155

RapidProtect 300 & RapidProtect 2000



AAES offers high speed safety and machine protection doors

designed for automated processes and production lines. These rugged machine guarding doors are reliable, easy to install and low maintenance while giving protection to workers in danger zones.

Avani Environmental Intl Inc

Booth..... N2600

SPC-800



The SPC-800 is a portable fume filtration unit, designed for point of origin extraction at any work area.

Axellent Inc

Booth..... N2119

X-TRAY® Wire Tray Cable Management System



Axellent Inc introduces its X-TRAY® Wire Tray cable management system designed for the Food, Off Shore, Machinery, Infrastructure, Energy and Telecommunications/Data sectors.

Flame Technologies Inc

Booth..... N2036

HydroMist



Fan Tech products create a very fine misting vapor (or fog) which, through complete

evaporation, is capable of reducing temperature in the immediate area by up to 25°F.

Imperial Systems Inc

Booth..... S2387

CMAXX Dust & Fume Cartridge Collector

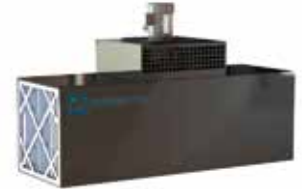


The CMAXX dust collection system contains the latest NANO fiber technology to help preserve filter life. All units are constructed with top-quality DOT/UV grade silver pulse-valve tubing.

Industrial Maid LLC

Booth..... S3193

Industrial Maid T-Series EXP



Industrial Maid LLC introduces its packaged ambient air filtration unit with direct drive motor.

John Tillman Co

Booth..... N2404

1494, 1498 TrueFit Impact Gloves



TrueFit gloves with TPR pads offer added impact protection.

Kemper America Inc
Booth..... N661

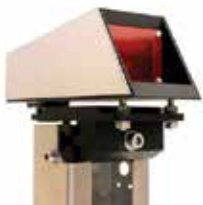
SparkTrap



Kemper's SparkTrap is a preliminary separator that eliminates filter fires and prolongs filter life.

Lazer Safe Pty Ltd
Booth..... S2033

LS-FM Folding Machine Guarding System



The LS-FM is specifically designed for folding machine applications. It provides a complete safety solution including optical guarding of the clamping operation, clamp speed and overrun monitoring and management of additional machine safety components.

Proceco Ltd
Booth..... S5567

Eco-Smart® MVR Evaporator to Recycle Wash Waters



MVR evaporators use vacuum distillation to treat rinse water issued from surface treatment, aqueous parts washing, or metal parts stamping/forming processes. Reclaim up to 98% of process water. Very low energy consumption process.

Riveer Environmental
Booth..... S5517

WASHMASTER 500



Portable washbay for industrial cleaning, degreasing and pretreatment, allows for cleaning large parts, fabricated structures, tooling in both the production and maintenance areas within a facility.

West Chester Protective Gear
Booth..... N2458

IRONCAT® Heavy Duty Cowhide MIG Welding Gloves



Designed by welders for welders, the IRONCAT heavy duty cowhide welding gloves (item #9100) are designed to meet the protection and dexterity needs of MIG welding applications.

Saws & Cut-off Machines

Behringer Saws Inc
Booth..... S1914

HBE Dynamic Bandsaw



Behringer introduces its HBE Dynamic Bandsaw series, which covers a broad appli-

cation spectrum for the steel trade, mechanical engineering, tool making and high-end metalworking shops.

Brobo / Ken Bergman & Assoc LLC
Booth..... S2234

TNF125
The Brobo TNF125 is an aluminum upcutting saw with a 450 CBT sawblade.

BTM Saws
Booth..... S2797

7151 ADS 3000 Series Automatic Band Saw



The 7151 ADS 3000 series band saw is fully automatic and fully programmable. It offers double mitering to 60 degrees both directions, utilizes a ten foot single stroke bar feed, capacity is 20" high by 28" wide, positive down feed, automatic head height adjustment and an isolated blade drive.

Scotchman Industries Inc
Booth..... S3317

SU-280 Utility Band Saw
The SU-280 Utility Band Saw features band saw cutting with the flexibility, speed and accuracy of a cold saw.

Technical Services Inc
Booth..... S2377

RazorGage ST Now with Dell Windows 8 Table



The rugged RazorGage ST, typically used as a saw stop

or pusher to position lineal material for processing by saws, punches, or other tools, is now shipping with a Dell Latitude tablet PC running Windows 8 Pro.

TigerStop LLC
Booth..... S1989

TigerAngle



TigerStop brings to market the TigerAngle. This revolutionary system delivers automated material length positioning and compound mitering. TigerAngle is equipped for any application where high volume horizontal and vertical angle cutting is required.

Software & Machine Controls

2020 Software Solutions Inc
Booth..... S4035

Tube Software (TS) – Enterprise



Tube Software can take an XYZ or LRA print and convert it to YBC, LRA or XYZ data, or bring in CAD files via STEP (.stp) or IGES (.igs) and create the data needed for the benders. Several additional TS designers are included to make simple or complex jobs easy to handle.

Software & Machine Controls

AceCad Software

Booth..... S2059

Production Planning and Scheduling with StruM.I.S



The resource planning & scheduling functionality in StruM.I.S addresses the complex trade-offs when managing multiple projects with competing priorities through diverse fabrication processes.

EXACT

Booth..... N482

Exact Online Manufacturing



Exact Online Manufacturing automates logistics, production and CRM and provides real-time insight into production processes. The cloud solution seamlessly integrates with QuickBooks and offers a cost effective option for the small business manufacturer.

GH Binroth Co

Booth..... S2296

Elap Neos N1

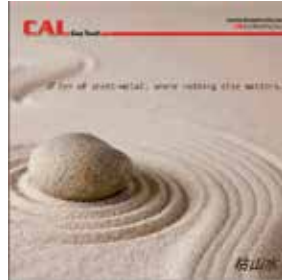


Elap's Neos N1 is a compact single axis PLC controller.

LBI La Boschiny Inc

Booth..... S2058

CAL



The CAL finds the material Neutral Axis along with inside radius for a blank. CAL generates the production data instantly from SolidWorks.

Metalix CAD/CAM Ltd

Booth..... S1935

cncKad version - V11



Metalix presents cncKa, a CAD/CAM solution for Sheet Metal manufacturing offering transformation from 2D & 3D design, through auto nesting, processing, to NC code, and its graphic simulation onto machine.

MIE Solutions Inc

Booth..... S2243

MIE Trak PRO



MIE Trak Pro merges all the vital functions of the manufacturing business into a unified database for maximum efficiency.

Simufact-Americas LLC

Booth..... N1968

Simufact.welding 3.1.1



The Simufact. Welding 3.1.1 offers finite element simulation of the welding process, using an easy-to-use graphical user interface. Features include: parallel processing and other methods to run simulations on large parts.

Visual Components

Booth..... N2084

3DAutomate



3DAutomate includes a simulation engine which can simulate robotic off-line programming applications such as painting, and welding. The 3DAutomate offers tremendous flexibility with the ability to design, analyze and optimize these processes, does not require specialized skills, extensive training or software programming knowledge.

Wintriss Controls

Booth..... S4737

ShopFloorConnect® Asset Utilization Software



SFC displays real-time status information for all machines

on a PC or mobile device without having to install any special software. It automatically delivers reports showing downtime analysis, and OEE.

Stamping

Ales Pres Kalip Makina San Ve Tic Ltd LTI

Booth..... N683

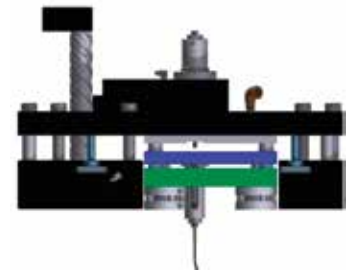
SSH-630

SSH-630 specifications include; Nominal Pressure: 630 TONS, Table: 3000x1500 MM Stroke : 300 MM, Carriage Adj: 200 MM, Stroke per minute: 30 – 50 with inverter, Total weight: 130.000 KG.

Automated Tapping Systems

Booth..... S4339

In Die Tapping Station



The ATS in-die tapping station with a high speed air clamp includes built-in pilot-ing, air clamp for holding the part during the tapping cycle, and tap sensors to verify the tapping operation.

Ebner Furnaces Inc

Booth..... S4577

hotPHASE

EBNER hotPHASE press hardening furnaces are available in three different configurations. Small batch type for try-out, roller hearth type for high production and multi-level batch for high production when space is limited.

Greenerd Press & Machine Company Inc
Booth..... S4452

Custom Hydraulic Press Solutions



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

Macrodyne Technologies Inc
Booth..... S4663

Hydraulic Hot Stamping Presses



Macrodyne's 1000 ton hydraulic hot stamping press features heavy-duty construction, high speeds, comprehensive press controls and dual rolling bolsters. Macrodyne hot stamping presses are available with a variety of automation or as complete press lines.

Peng Fei Metal & Mold Co LTD
Booth..... S4487

CNC Machine Centre



Pengfei specialized in tooling R&D, manufacture and metal stamping production & prototype for automotive, office automation, electronics, and home appliance industries.

Wuxi Toprich Forging Manufacture Co Ltd
Booth..... N254

High Pressure Valve Connector



Wuxi Toprich Forging Manufacture Co Ltd introduces its forging valve and connectors widely used for oil field and power stations.

TECHNOLOGY FOR THE WELDER'S WORLD.

WELDERS ARE OUR WORLD.

Booth N854

ABICOR BINZEL®

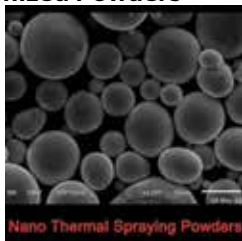
www.binzel-abicor.com

Thermal Spraying

Above Material Technology Co., Ltd

Booth..... N307

Nano Stainless Steel Atomized Powders



Above Material Technology Co., Ltd offers its Nano Stainless Atomized Powders which can be used for Thermal Spraying, PTA Hardfacing, and can offer better wear resistance than Cr3C2-NiCr powder, Tungsten Carbide. Nano Powder suitable for many applications.

Sulzer Metco US Inc

Booth..... N404

SinplexPro™ Plasma Spray Gun Series



Universal thermal spray guns yield higher throughput on existing and new plasma spray systems at an economical investment cost. They combine the benefits of cascading anode design with the simplicity of a single-cathode.

Tool & Die

Anchor Lamina

Booth..... S4612

Danly DieMax XL Springs

Danly IEM offers its shorter die spring lengths.

CPM Tool & Die Manufacturer Co Ltd

Booth..... S4745

Stamping Steel and Die Casting



CPM designs and manufactures metal stamping dies, including progressive dies, compound dies, shuttle dies and transfer dies. Parts are built for a variety of industries including automotive, home appliance and office equipment.

Dongguan Meinie Tool & Die Co Ltd

Booth..... S4261

Tools for Automotive



Dongguan Meinie Tool & Die Co Ltd offers tools for door & locking, dashboard, radiator, sunroof, security system and automotive parts.

Hutchison Tool Sales Co

Booth..... S4522

HTS Models 3000 & 6000 In-Die Tapping Heads



Hutchinson Tool Sales Co introduce its HTS 3000 and

6000 series in-die tapping heads.

Jiashan Dier Electro-Mechanical Technology Co Ltd

Booth..... S4240

Ball Lock Retainer



The Jiashan Dier ball lock retainer is similar to the Dayton and Moeller standard in the U.S., the Punch and Misumi standard in Japan and is convenient and provides high-efficiency to change punches.

Rainbow Metal Technologies Co Ltd

Booth..... S4354

Rails of Seat



Rainbow Metal Technologies Co Ltd offers its high tolerance car seat rails.

Tooling

Alpha Professional Tools

Booth..... N228

Alpha Ultracuts



Vacuum brazed diamond blade designed for angle iron, steel plate, channel iron, I-beams, pipe, corrugated roofing, sheet metal, conduit, steel studs,

stainless plate, stainless tube and many other popular materials at a shop or jobsite.

Bosch Power Tool Corp

Booth..... N549

Next Generation Small Angle Grinders



Bosch Power Tools introduces 11 grinders focused on delivering exceptional results to meet a wide variety of user needs.

Dongguan Sincere Tool Co Ltd

Booth..... S4241

Cast Die for Automotive Parts



Dongguan Sincere Tool Co Ltd offers cast die to produce lower arm, automotive parts. Made from high strength steel, material: DP5900, thickness: 3.2mm.

Norlok Technology Inc

Booth..... S2163

SPR Tool kit for the Surelok III



Norlok Technology Inc. introduces the SPR – Self Piercing Rivet, tool kit for the Surelok III clinching machine.

Taiwan Mold Tool Co Ltd
Booth..... S3486

BMW X1 Mold



Taiwan Mold Tool Co Ltd offers its BMW X1 mold with a complex structure and a high surface finish for A-surface exterior parts.

Wolf Robotics LLC
Booth..... N861

SmartDock Flexible Tooling System



SmartDock is a simplified, low profile and robust means of interchanging tooling fixtures on a robotic welding positioner. This easy to use, safe, and secure system allows for precise locating of new fixture layouts.

Yestool/Aloris USA
Booth..... S1999

Scribing Tool



YesTool/Aloris has designed and released a Spring Loaded Scribing Tool for part identification while CNC machining. The spring loading feature allows for irregular surfaces a equal depth of cut.

Tube & Pipe Fabricating or Welding

BESSEY Tools North America
Booth..... N2223

Double Force All Steel Clamps



The most recent product releases from BESSEY includes a modular concept for the widest range of applications. Add extra sliding arms or, choose different sliding arms. Available in a choice of lengths or strength.

Dalian Field Heavy Machinery Manufacturing Co Ltd
Booth..... S4158

Automatic Changeover



The Automatic Changeover will shorten changeover time to 1 hour for a 76mm tube mill with 1 operator. No heavy works experience needed to operate.

Haeusler AG
Booth..... S3562

System for Wind Power Offshore Basements



Haeusler AG introduces its integrated production line for rolling of cylinders and cones for wind power offshore basements. Its functionality and size allow rolling of shells up to 14' wide and 10" thick.

INNOVO Corp
Booth..... S4145

237SUT Single Unit Triple Station Notcher



INNOVO Corp. introduces the 237SUT Single Unit Triple Station notcher for notching tube & pipe ends. The unique design allows for the combination of three common sizes in a single unit reducing the amount of tooling required & changeover time.

Manchester Tool & Die Inc
Booth..... S4045

M71 Servo Positioning Flag Stop System



The Manchester Tool and Die Servo Positioning Flag Stop

System is designed to aid setup personnel in quickly adjusting tube out through the machine's HMI. This system will provide consistent adjustments resulting in quicker setup up times.

Sumner Manufacturing Co Inc
Booth..... N552

Purge Star

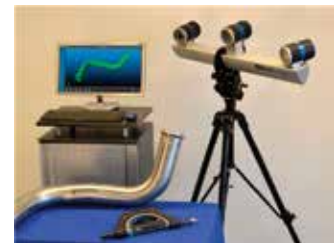


Sumner Manufacturing offers its inflatable weld purge dams that quickly create reduced oxygen weld chambers for welding pipe.

Tube & Pipe Producing

Accurex Measurement Inc
Booth..... S3516

BendingStudio and MoveInspect HR



AICON offers the software platform BendingStudio together with the 3D measuring system MoveInspect HR and the hand-held MI.Probe, for tactile pipe measurement.

Tube & Pipe Producing

Elmaksan Makina

Booth.....S4161

Flying Saw for 10" Tube Mill



Elmaksan offers its double bladed flying saw, that can cut up to 10" with 12, 7 MM in thickness, speeds of 30 M/Min.

Formtek Metal Forming/Hill Engineering

Booth..... S1802

Yoder Designed Reshaping Stand

Formtek Metal Forming/Hill Engineering offers Yoder designed reshaping stands for mechanical tube & structural sections. The WH-350-RS reshapes up to 4" (101.6 mm) sq., rectangle up to 6" (152.4) w. & as sm. as 2" (50.8 mm) in the horizontal & vertical axes, for mat. up to 0.250" (6.35 mm) thick.

Thermatool Corp

Booth..... S3901

Alpha Controller Upgrade

Thermatool Corp offers simple and fast replacement of Alpha® control systems with up to date control consoles and readily available service and support.

Waterjet

Barton International

Booth..... S1856

BART® Tip Hopper



Designed to be placed next to a waterjet cutting table, the self dumping BART® Tip Hopper serves as a disposal vessel for waste garnet abrasive. During abrasive removal, overflow water is returned to the table. ³/₄ cubic yard capacity; liner included.

Jet Edge

Booth..... S2762

EDGE X-5 5-Axis Waterjet System



Jet Edge's EDGE X-5 5-axis water jet system is capable of cutting complex taper-free 3D parts from virtually any material.

OMAX Corp

Booth..... S1067

A-Jet & Rotary Axis



The OMAX A-Jet and Rotary Axis combination brings 6-axis 3D cutting technology to abrasive waterjets, allow-

ing for complex 3D cutting and advanced tube and pipe bevel cutting capabilities.

Techni Waterjet

Booth..... S975

Techjet-X3® TJ4100-G

The TJ4100-G is a gantry-style waterjet with the ability to cut nearly the entire area of the waterjet. The TJ4100-G is 7' 10" x 14' 5" and has the capability to cut 6' 7" x 13' 2" size material.

Waterjet Corporation

Booth..... S2275

SUPREMA DX510



The SUPREMA DX510 is a high accuracy 2D waterjet cutting system designed for industries such as; aerospace, tool & die, and fabrication.

Welding Consumables

Aquasol Corp

Booth..... N639

I-Purge® Modular Inflatable Bladder System



The patent-pending technology of the I-Purge® Modular System enables a number of different purge requirements with one interchangeable solution.

ArcOne

Booth..... N1865

AirPlus™ Respiratory Protection



ArcOne offers its AirPlus™ system for lung protection.

Changzhou City Yunhe Welding Material Co Ltd

Booth..... N347

ER70S-6

Changzhou CityYunhe Welding Material Co Ltd offers its AWS A5.18 ER70S-6 copper coated welding wire. Available in sizes 0,6 to 1,6mm, N.W.: 1, 5, 15, and 250kg per piece.

CK Worldwide

Booth..... N2211

Super Cup



The Super Cup withstands high-amperage and high-reflective heat applications while minimizing cracking problems related to thermal shock.

Hobart Brothers

Booth..... N831

**FabCOR F6
Metal-Cored Wire**



The FabCOR F6 is a gas-shielded metal-cored wire that provides higher deposition rates and faster travel speeds than solid wires to help increase productivity on single-pass, flat and horizontal welding applications.

Lincoln Electric Co

Booth..... N1111

Gem-Pak™ Bulk Packaging System



The Gem-Pak™ Bulk Packaging System uses glass gems to control the release of aluminum welding wire, without an expensive external payoff device. Depending on alloy, the system is offered in 275 lb and 300 lb 100% recyclable boxes with cardboard pallets.

National Standard LLC

Booth..... N1854

NS PLUS

National Standard introduces its domestically produced welding wires, NS PLUS.

**Outokumpu VDM
USA, LLC**

Booth..... N2142

Welding Wire FM52i

FM52i is a recent advancement in welding consumables for the nuclear power industry and offers more resistant to

welding defects than previous FM52 varieties.

Sorex Welding Co Ltd

Booth..... N1586

E71T-11 Flux Cored Wire



Sorex Welding Co Ltd offers a full range of welding consumables, including its self shielded flux cored wire E71T-11, and no gas required flux cored wire E71T-1/5/9/12/ C/M -J wire.

Washington Alloy Co

Booth..... N600


Hardfacing Rods and Wire & Welding Accessories

Washington Alloy Co offers its Hardfacing rods, wire and welding accessory line

which includes: USA 300HT, USA 450HT, USA 600HT, USA 700HT, USA MN-O, USA CRMN-O, USA 55-G, USA CRCARB-O, USA COMCARB-O, USA Alloy No. 6-G, USA Alloy No.21-G and a line of welding accessories.

WATER & WASTEWATER TREATMENT

**REVERSE OSMOSIS
WATER RECLAMATION
ION EXCHANGE
WASTEWATER TREATMENT
ACID RECOVERY**




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ENVIRONMENTAL**


TTX is know for developing highly efficient and effective processes for customer's product needs.
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TTX Environmental manufactures pickle acid recycling systems for use with phosphoric and citric acid. Designed to match your production needs, configurations include simplex, duplex and triplex systems, or custom designs that meet your pickle acid bath recycling requirements. Pre-filtration requirements can easily be met with skid-mounted pre-filters and supply pumps. Save money and maintenance by recycling your pickle bath with a TTX Environmental acid recovery system. You may never have to dump your bath again!

TTX ENVIRONMENTAL FOCUSES EXCLUSIVLEY ON INDUSTRIAL WATER AND WASTEWATER TREATMENT EQUIPMENT, PAYING CLOSE ATTENTION TO THE CHANGING REGULATIONS AND NEW ENVIROMNETAL CONCERNS.



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Welding Machines/ Equipment

America Fortune Company

Booth..... N2828

ISO High Pressure Gas Cylinder



ISO 9809-1 High Pressure Gas Cylinder is a global accepted standard meeting or exceeding requirements and is in every way equivalent to DOT-3AA cylinder. ISO High Pressure Gas Cylinder has also been approved by DOT.

Antec Electronics Co Ltd

Booth..... N2467

AH6-X60 Series Welding Helmet



Antec Electronics Co Ltd offers its Antfi X60 Welding Filter, 4/5-9/9-13, ANSI/CE approved.

Arc Specialties

Booth..... N974

ARC-05PL Compact Cladding System



Arc Specialties offers its ARC-05PL, a compact automated welding system for hot wire GTAW cladding applications.

Bluco Corp

Booth..... N2411

Manual Rollover Positioners for Welding



Bluco Corporation introduces its line of manual rollover positioners.

Bug-O-Systems/Weld Tooling Corp

Booth..... N1815

K-BUG 4000 Wall Tracking Magnetic Fillet Welder



Bug-O System's K-BUG 4000; digital, portable (17lbs) and very compact magnetic trackless travel carriage for welding continuous or intermittent stitch fillet welds while traveling on a vertical wall with 25lb carrying capacity.

D/F Machine Specialties Inc

Booth..... N2064

Hardbanding & Hardfacing Automation Torch



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

Ensitech PTY Ltd

Booth..... N1897

TIG Brush TBU-300

The TIG Brush® stainless steel weld cleaning system is an easy-to-use, portable kit which cleans and restores stainless steel surfaces quickly, safely, efficiently and cost-effectively.

JASIC Technologies America Inc

Booth..... N434

Razorweld Series



JASIC Technologies America Inc introduces its range of ARC, M.I.G, T.I.G plasma and multi-process inverter machines designed in Australia.

LPR Global Inc

Booth..... N2169

Robot Welding Machine



Using the turning torch, the vertical turning welding machine welds the connection between pipe and flange that goes into exhaust system. This equipment can be used for other applications that are related to pipes.

Miller Electric Mfg Co

Booth... N1136, N831, N836

PipeWorx FieldPro™ System



Miller Electric Mfg. Co. introduces the PipeWorx FieldPro™ system for onsite pipe welding in the refinery, petrochemical, power generation and HVAC industries.

Nelson Stud Welding

Booth..... N1811

NCD+ 3200 Capacitor Discharge (CD) Welding System



The NCD+ 3200 features a blend of micro processor and display technology with traditional CD power topology to create a user friendly, versatile welder for a wide range of applications.

Pearl Abrasive Co

Booth..... N2849

Pearl® CoolMAX™



Pearl CoolMAX is top-sized Zirconia Resin disc engineered with an added cooling agent which dramatically reduces heat and discoloration on the material. Designed for rapid stock removal and lasts significantly longer than traditional resin fiber disc.

Strong Hand Tools

Booth.....N2249

BuildPro MAX Modular Welding Tables



The BuildPro MAX modular welding table provides a continuous tabletop surface of precision ground steel plates with 5/8" machined table holes. The 8' L x 4' W BuildPro™ MAX table provides maximum table surface, and maximum load capacity.

Tregaskiss

Booth.....N836

TOUGH GUN TT3 Reamer



The TOUGH GUN TT3 Reamer features a sprayer reservoir location on the opposite side of the unit to safeguard against overflowing and leakage onto internal electronics. Plug and play internal replacement parts feature smart-keyed connections, includes simplified internal wiring by way of a centralized terminal strip, and anti-spatter sprayer comes standard.

Victor Technologies/ Tweco

Booth..... N1461

Tweco Numbered Series MIG Gun



The Tweco Classic Number 4 MIG gun, has higher impact resistant materials, an interlocking handle design for superior toughness and an angled trigger for a more comfortable pull.

Wuhan Welhel Photoelectric Co Ltd

Booth..... N1955

Model WH8912334 Welding Helmet



The large viewing area auto darkening welding helmet provides a viewing area of 100 x 67 mm.

Wuxi Ronniwell Machinery Equi

Booth..... N2846

Wind Tower Welding Rotator



Wuxi Ronniwell offers its line of wind tower generating equipment.



Welding Outdoors? Looking for the latest in welding tent tech to keep your welding process optimal and decrease downtime?

Look no further. Introducing **Octo-Hut Welding Tent**, brainchild of the people who brought you the innovative and engineered **Hex-Hut Shelter System**.

Kick the tires for yourself and visit us at booth # **N147** - Fabtech 2013

NEW PRODUCT PRESENTATIONS

Location: FABTECH Theater, Grand Concourse

Don't miss the opportunity to get an inside look at some of the best new products and technologies to hit the market. Sessions run throughout each day of the show at the FABTECH Theater, located in the Grand Concourse. Access to the theater is included with show admission.

MONDAY, NOVEMBER 18

Time:	Company	Technology	Topic
10:30 a.m.	Mazak Optonics	Fabricating/Tube and Pipe	Reducing Laser-cut Tube & Pipe Cost of Parts
2:15 p.m.	Faccin USA	Fabricating	Advanced Technology in Plate Rolling to Increase Productivity
3:00 p.m.	GEMA	Finishing	35 Second Color Change for a Portable Box Unit
3:45 p.m.	FluidForming Americas	MetalForming	Frictionless Metal Forming Without a Press
4:30 p.m.	Fronius USA LLC, GmbH	Welding	AccuPocket- Cordless MMA Welding

TUESDAY, NOVEMBER 19

Time:	Company	Technology	Topic
10:15 a.m.	TRUMPF	Fabricating/Laser	New TRUMPF Technology Takes Solid-State Laser Cutting to a Whole New Level
11:00 a.m.	Graco Inc.	Finishing	ProMix PD2K - Positive Displacement Proportioning System
11:45 a.m.	Hypertherm	Fabricating	Integrated Waterjet Cutting
1:30 p.m.	Schuler Inc.	MetalForming	Laser Blanking Lines with DynamicFlow Technology
2:15 p.m.	AMADA	Laser	FLCAJ 3015 High Speed, High Precision 2kW Fiber Laser
3:00 p.m.	Lincoln Electric	Welding	APEX(TM) 3000 Orbital Welding System

WEDNESDAY, NOVEMBER 20

Time:	Company	Technology	Topic
10:00 a.m.	Norton Abrasives	Welding/Fabricating	Reshaping the World of Metal Fabrication
10:45 a.m.	IntelliFinishing	Finishing	Software for Management of Your Paint System and Part Flow
2:15 p.m.	AMADA	Fabricating	HD-ATC Hybrid Drive Press Brake with Automatic Tool Changer
3:00 p.m.	TRUMPF	Fabricating/Bending	TRUMPF TruBend Cell 7000 – High Speed Automated Bending Cell
3:45 p.m.	OTC Daihen	Welding	Nanotechnology Digital GMAW Machines

THURSDAY, NOVEMBER 21

Time:	Company	Technology	Topic
10:00 a.m.	RoboVent	Fabricating	Breakthrough Air Cleaning Technology - RoboVent's Vortex 3
10:45 a.m.	SERVO Robot Inc.	Fabricating / Laser	DIGI-I/Z - Servo-Robot New 3D Laser Vision System for Multi-Pass Welding Automation
11:30 a.m.	Trilogy	Fabricating	iPunch - CNC Ironworker Programming

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NEW PRODUCT PREVIEW EXHIBITOR LIST

as of 9/1/13

31

FINISHING

ABB Inc-Robotics
Acme Finishing Co
ACT Test Panels LLC
Advanced Finishing USA
AFC Finishing Systems
AkzoNobel Powder Coatings
American Finishing Resources
Amiberica Inc
Andantex USA Inc
Anest Iwata USA Inc
Argon Masking
Arkema Inc
Assured Testing Services
Atlaf Inc
Axalta Coating Systems
B L Downey Company LLC
Bartil Coatings USA
BASF - The Chemical
Company
Bel Air Finishing Supply
Bex Spray Nozzles
BGK
BigC: Dino-Lite Scopes
BINKS
Blastman Robotics Ltd
Bronco Blast Equipment /
Industrial Associates
Bulk Chemicals Inc
Caldan Conveyor A/S
Calvary Industries Inc
Cardinal Paint and Powder
Carpenter Chemicals LC
Castrol Industrial
North America Inc
Cataforesis SA de CV
Catalytic Industrial Systems
CFCM Canadian
Finishing & Coatings
Manufacturing
Chamtech Systems
Chemell US Inc
Chemical Coaters Assoc Int'l
Cianflone Scientific
Instruments Corp
Coil World Magazine
Col-Met Spray Booths Inc
Combustion and Systems Inc
Coral Chemical Co
Custom Fabricating &
Supplies
Daifuku Webb
Decoral System USA Corp
DeFelsko Corp
DEVILBISS
DuBois Chemicals
Duroair Technologies Inc
Dustcontrol Inc
Dynabrade Inc
Eaton Fabricating Co Inc
Echo Engineering
Eisenmann Corp
Elcometer Inc
Electrocroc
Association,The
Electro-Steam
Generator Corp
ElektroPhysik USA Inc
Enhancement
Technologies / Sublitem-
Miroglio
EPSI (Engineered
Products & Services Inc)
Ervin Industries
FAMIS Inc -
PowderDepot.com
Finishing Brands
Fischer Technology Inc
Flexovit USA Inc
Forrest Technical Coatings
Fostoria Process
Equipment Div of
TPI Corp
Fraunhofer USA CCL
Gema USA Inc
General Automatic Transfer
General Fabrications Corp
George Koch Sons LLC
Global Finishing Solutions

FINISHING

Goff Inc
Graco Inc
Guspro Inc
Henzen Coatings Inc
Herr Industrial Inc
Houghton International -
Surface Finishing
Hubbard-Hall Inc
I.S.T. international Surface
Technologies / ECOPURE
IFS Coatings Inc
Intech Services Inc
IntelliFinishing
KCH Services Inc
KCI
Kecco Engineered Coatings
Keller USA Inc
Keyland Polymer Ltd
KMI Systems Inc
Koch Filter Corp
Kolene Corp
Kremlin Rexson &
SAMES - EXEL North
America Inc
LDPI Inc
LIAONING LONGYUAN
INDUSTRY GROUP CO., LTD
Madison Chemical Co Inc
Magic Rack/
Production Plus Corp
Metal Finishing Magazine
Metcast Blast Cleaning
Technologies
MetoKote Corp
Micron Fiber-Tech
Midwest Finishing Systems
Mighty Hook Inc
MPC Plating
Munters Corp
NACE International
NikoTrack LLC
Nordson Corp
Northern Coatings & Chemical
Nova Verta USA
Oasis Scientific Inc
Osborn
Oshkosh Finishing Services
Paragon Laser Systems
Parker Ionics
Patriot Powder Coatings
Paul N Gardner Co
Paulo Systems Co
Petroferm Inc
Pioneer Powder
Pneu-Mech Systems
Pollution Control Products
Porcelain Enamel Institute Inc
Powder Coating
Powder Coating Consultants
Powder Parts Inc
PPG Industries Inc
Precious Plate Inc
Precision Quincy Owens LLC
Pretreatment Equipment
Mfg Inc
Prime Coatings
Proceco Ltd
Process Heating Magazine
Products Finishing Magazine
Protech Powder Coatings
Quaker Chemical Corp
Ransburg
Rapid Engineering
Red-Ray Manufacturing Co Inc
Richards-Wilcox Inc
River Environmental
Rohner
Samuel Strapping Systems
Sata Spray Equipment
Scientific Molecular
Technologies
Shercon Inc
Sherwin Williams
Southern Systems Inc
Spray Systems Inc
Spray-Tech/Junair
Steelman Industries Inc
Stoelting LLC

FINISHING

Stripmasters Services Inc
Superfici America Inc
SuperMax Tools
Tanis Inc
TCI Powder Coatings
Tennessee Galvanizing Inc
The Blast Shop Inc
Therma-Tron-X Inc
Trimac Industrial Systems
TWN Industries Inc
Uni-Spray Systems Inc
Valmont Coatings
Veolia Water Solutions &
Technologies
Vitracat America Inc
Vogel Industrial Coatings
Vulcan Catalytic Systems Ltd
VULKAN Blast Shot
Technology
Wagner Industrial Solutions
Walther Pilot
North America LLC
Webb-Stiles Co
Zero Blast Cabinets

FORMING & FABRICATING

3R Software Solutions
5S Supply
A & A Manufacturing Co Inc
A&V Waterjet Tech Inc
Absolent Inc
Abtex Corp
Accupress America Inc
AccuStream
AceCad Software
Acrotech Inc
ADF Systems Ltd
Advanced Manufacturing
Solutions LLC
AKS Cutting Systems Inc
Akyapak Makina San
ve Tic Ltd STI
Alabama Economic
Development
Ales Pres Kalip Makina
San Ve Tic Ltd LTI
Alliance For American
Manufacturing
Alliance Machine and
Engraving LLC
Allightech Industries Inc
Alma Cam USA LLC
Alternative Parts Inc
AM Machinery Sales Inc
Amada America Inc
Ambrell Precision
Induction Heating
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Rollform Tech
American Photonics
American Punch Co
Andritz Soutec AG
Anhui Lianmeng Mould
Industrial Co Ltd
Apex Machine Group
Aptean Inc
ARKU Coil Systems Inc
Armstrong / Kover Kwick Inc
Arro-Mark Co LLC
Arrowhead Manufacturers &
Fabricators Assoc
ASKO Inc
ASMAG GmbH
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Systems
Athader
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ATTEXOR Clinch Systems SA
Automec Inc
AZZ Galvanizing Services
Band Saw Parts.com
Barton International
Baykal Makine A.S.
Beck Automation
Beckhoff Automation
Behringer Saws Inc

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Beka-Mak Makina Sanayi Ve
Ticaret AS
Betenbender Manufacturing Inc
Big Ass Fans
Bliz Vibration Technology Inc
BIPRESS Srl
Blastec Inc
Bosch Rexroth Corp
Boschert Precision
Machinery Inc
Bowlin Manufacturing Inc
Box On Demand by
Plymouth Packaging
BP Automation
Bradbury Co., Inc., The
Bradbury Group Australia
Bradbury Group, The
Brandt Engineered
Products Ltd
Braner USA Inc
Brobo / Ken Bergman &
Assoc LLC
Bruker AXS Inc
BTM Saws
Burghardt + Schmidt GmbH
Burr King Manufacturing Co
Bushman Equipment
Butech Bliss
BUWW Coverings Inc
Bystronic Inc
C Marshall Fabrication
Machinery
Cagle Industrial Maintenance
Cambridge Lee Industries LLC
Cambridge Technology
Captive Fastener Corp
CardConnect
Carell Corp/Eagle Bending
Machines
Cauffield Corp
CavCom Inc
CB Mills
Cedar Valley Region of Iowa
Centricut
CH Steel Solutions Inc
Chicago Slitter
Cidan Machinery Inc
Cleveland Punch & Die Co
Cleveland Steel Tool Co
CML USA Inc Ercolina
CMS - Italy
CNA Insurance
COE Press Equipment
Coherent Inc
Cold Shot Chillers
COMBILIFT USA
COMEQ Inc
Control Works Inc
Controlled Automation Inc
CorActive High Tech
Coudstrap USA Inc
Corporate Finance
Associates - Chicago
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Machinery Co
CR Cuscinetti A Rulli Srl
Creaform
CTD Machines
D&H Machinery Inc
Daito USA Inc
Dake Corporation
Dalgakaran Makina San Tic AS
Dalmecc Inc
Dardi International Corporation
Darex LLC
DAVI Inc
DCM Tech Inc
Delta Steel Technologies
Denray Machine Inc
Design Data
Design Storage & Handling Inc
Design-2-Part
Do-ALL Sawing Products
Docmagnet Inc
Donaldson Torit
Doring Cold Saws

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Dr Shrink Inc
DSH Storage Systems LLC
Durable Superior Casters
Durma SCA
Eberle America Inc
ECi M1
Econco/CPI
Edwards Manufacturing Co
EHRT/Porth Products Co
Elumatec North America Inc
Emmegi USA Inc
ENCO
Enutron International
Epicor Software Corp
Ergotech Inc
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ve Ticaret AS
ESCO Tool Co
ESI - Engineering Systems Inc
EXACT
Exact JobBOSS
Exact Metrology
Exact North America
Excel Spring & Stamping Inc
Expansion Solutions Magazine
Fab Supply Inc
Fabricating &
Metalworking Magazine
Fabricator, The
Fabricators & Manufacturers
Association
FabSuite
FabTrol Systems Inc
Faccin USA Inc
FANUC FA America
Farley Laserlab USA Inc
FARO Technologies Inc
Faspro Technologies Inc
Felton Inc
FF Journal/Modern Metals
Ficep Corporation
FIPA Inc
Fladder-Hansen &
Hundebol Inc
FlashCut CNC
Flexarm Inc
Flow International Corp
Flowdrill Inc
FMS Machine Tool Inc
Focus Technology Co Ltd
Folding Guard/L&P
Guarding LLC
FomUSA
Formdrill USA Inc
Formtek Metal Forming/
Hill Engineering
Friggi N.A. Inc
Garrick USA
Gasparini S.p.A.
GE Mathis Co
Genion IGS
Genesis Solutions
GH Binroth Co
Global Shop Solutions
Global Trade Specialists, Inc
GMA Garnet USA Corp
GoMech LTD
Gorbel Inc
Gostol TST d.d.
Graitec Inc
Guild International
Haberle / Ken Bergman &
Assoc LLC
Haco Atlantic Inc
Haeger Inc
Halifax Rack & Screw
Hangzhou Fukang
Hardware Plastics Co Ltd
Han-Kwang USA Inc
Han's Laser
Hans Weber Sales and
Service Corp
Hayes International
HE&M Saw Inc
Heck Industries
Herr Voss Stamco
HGG Profiling B.V.

FORMING & FABRICATING

Hilalsan Makina Endustriyel
Ve Tic LTD STI
Hill Engineering
Hiwin Corp
Hougen Manufacturing Inc
Hursan Hidrolik Pres Ve Takim
Tezgahları Sanayi Ticaret AS
Hyd-Mech Group Ltd
Hypertherm Inc
igus Inc
II-VI Infrared
Imperial Blades
Imperial Systems Inc
Incodema Inc
Industrial Laser Solutions
Industrial Machine Trader
Industrial Magnetics Inc
Industrial Maid LLC
Industrial Market Place
Industrial Molded
Rubber Products
Industrial Press Inc
Infor
InfoSight Corp
InSite Solutions LLC
International Knife & Saw Inc
International Rollforms Inc
International Technologies Inc
International Waterjet Parts
ISB Group
J Tech
Jarvis Cutting Tools Inc
JET
Jet Edge
JETCAM-NestONE Solutions
JMR Industrial
JMT USA
Jobscope Corp ERP
Johnson Bros Metal
Forming Co
KAAST Machine Tools Inc
Kalamazoo Machine Tool
Kar Metal San Ve Tic LTD STI
Karl Heesemann
Maschinenfabrik GmbH &
Co KG
Kasto Inc
Kendor Steel Rule Die
Kent/Tesgo
Kentucky Gauge Hymark
Kern Laser Systems
Kern Liebers Texas Inc
Ketec Precision
Tooling Co LTD
KeyedIn Solutions
Kinetic Cutting Systems Inc
Klingelhofler Corp
KMT Waterjet Systems Inc
KNUTH Machine
Tools USA Inc
Komatsu America
Industries LLC
Koolant Coolers
Koyo Giken Inc
Lantek Systems Inc
Lapham-Hickey Steel
Laser Experts Inc
Laser Mechanisms Inc
Laser Optics & Mechanisms
Laser Research Optics
LaserRite
LaserStar Technologies Corp
Lazer Safe Ply Ltd
LBI La Boschiny Inc
LENOX
Leveltek Intl LLC
Linsinger
Maschinenbau GmbH
Lissmac Corp
LS Industries Inc
LT Ultra Precision Optics
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Manufacturing News

FORMING & FABRICATING

Manufacturing Solutions
Marion Die & Fixture Inc
Marvel Manufacturing Co
Massaging Insoles by
Wavewalkers Ltd
Masteel America Corp
Master Magnetics
Mate Precision Tooling
Mazak Optonics Corp
MB Metal Technologies
MC Machinery Systems Inc
Measurement Systems
Intl A Rice Lake Weighing
Systems Co
Medi-Rub Corp
MegaFab-Piranha-
Whitney-Bertsch
Messer Cutting Systems
MetalFinish
Metalix CAD/CAM Ltd
MetaMation Inc
Metform International Ltd
Metlsaw Systems Inc
Metreel Inc
Metron Inc
MG S.r.l.
Midwest Group One
Midwest Tool Inc
MIE Solutions Inc
Modern Manufacturing
Technologies
MTA-USA LLC
MultiCam Inc
Murata Machinery USA Inc
Nadella
NAP Gladu
Nebraska Public Power District
Nitto Denko America Inc
Nitto Kohki USA Inc
Noritake Co Inc
Norlok Technology Inc
Northrup Grumman
Nufern
Numalliance Inc
O'Brien Installations Ltd
Ocean Machinery Inc
Ohio Laser LLC
Okutani Ltd
OMAX Corp
OmegaCube Technologies
Oncor
Ophir Optics LLC
Oxford Instruments
Pangborn Corporation
Pannier Corp
Parker Hannifin
Peddinghaus Corp
PEP Polymer
Perfect - Score/Technology
Perfection Global LLC
Phillips Saw & Tool Inc
Phoenix Metals Co
Pine Zone (Quanzhou
Abrasives Industry Co Ltd
Pinnacle Industrial
Automation Inc
Pinnacle LGS
Plastics International
Polyurethane Products Corp
Praxair Inc
Preco Inc
Prestige Equipment
Corporation
Prima Power
North America Inc
Prodevo Industries Inc
Prodim USA
Punch Press
PythonX-Burlington
Automation
Radan
RAS Systems LLC
RDI Laser Blanking Systems
RDI Punching &
Bending Systems
Red Bud Industries
Richardson Electronics Ltd

FORMING & FABRICATING

Right Corner of Texas
Rigidized Metals Corp
Riteway Brake Dies Inc
R-K Press Brake Dies Inc
RMI Infrared LLC
RMI Laser LLC
Rocklin Manufacturing Co
Roll Forming Corp
Rosler Metal Finishing
USA LLC
Rousseau Metal Inc
RUF Briquetting Systems
Saar Hartmetall USA LLC
Sage Automation Inc
Sahajanand Laser
Technology LTD
Salvagnini America Inc
Sawblade.com
Scotchman Industries Inc
Semyx LLC
Service Lamp Corp
Seuthe GmbH
Shajeng Hardware Co Ltd
Sharpe Products
Shenzhen Yixin Precision
Metal & Plastic Ltd
Shop Data Systems Inc
Shoptech Software
SigmaTEK Systems LLC
Signature Plates Inc
Site Location Partnership
SKM Industries Inc
SlipCon USA Inc
SME
SPANCO Inc
SPI Lasers
Stanley Vidmar
State of Wyoming
Steel King Industries Inc
Steel Storage Systems Inc
SteelOrbis
Stor-Loc Corp
Striker Systems
Studio Eleven/Vivid Mfg Group
Sugar Steel Corp
Superior Roll Forming
Synetik Design
Taiwan Mold Tool Co Ltd
Taloc USA
Tapeswitch Corp
TCT Stainless Steel Inc
Techni Waterjet
Technical Services Inc
Technical Translation Services
Temple Economic
Development Corp
Tenryu America Inc
TeraDiode Inc
The M K Morse Company
The RDI Group
Thermal Care Inc
TigerStop LLC
Timesavers Inc
Today's Indus Prds & Solutions
Tool Peaks Industries Ltd
Toolmen Corp
Torque Technologies Inc
Transfluid
Maschinenbau GmbH
Travelers Companies Inc
TRUMPF Inc
Tsunne America LLC
Tube Form Solution
Tube Works Inc
Tubex Technology Machinery
TYKMA Technologies
UltraLube
Unified Purchasing Group
Unipunch Products Inc
United Industries Inc
Unitool Punch & Die
Universal Drilling &
Cutting Equipment
Ursviken Inc
US Industrial Machinery Co
UZAY Makina AS

FORMING & FABRICATING

V&S Galvanizing LLC
Valley Craft Industries Inc
Verisurf Software Inc
Virtek Vision International
VKS - Visual Knowledge Share
VMECA
Voith Turbo Inc
Voortman Corporation
Vytek
Walhonde Tools Inc
Walker Magnetics
Waterjet Corporation
WDM Rolls
Weil Engineering
North America
West Virginia
Development Office
Wheelabrator Group
Whistler & Sons Inc, SB
Wila USA
Williams Metals and
Welding Alloys Inc
Wilson Tool International
Wireway Husky Corp
World Machinery &
Saw System CO
Wuxi Toprich Forging
Manufacture Co Ltd
YellowJacket / ITW Muller
Yestool/Aloris USA
Zund America Inc

METALFORM

Accra-Wire Controls Inc
Accurate Die Design Inc/
Logopress3
Acme Refining
Admiral Steel LLC
AIDA-America Corp
Airloc
Alcos Machinery Inc
Alliance Manufacturing Inc
Allmac Manufacturing Co Ltd
Alma Machinery Co
Almco Inc
Almetals Co
Alro Steel Corporation
American Manufacturing Inc
Anchor Danly
Anchor Lamina
AP&T North America Inc
Art Technologies Inc
Associated Spring Raymond
Autoform Engineering
Automated Tapping Systems
Aure Technologies
B&K Levelers
Bachman Machine Co
Bad Dog Tools
Balluff Inc
BCN Technical Services Inc
Beckwold Press Co
Beijing Mingda Metals Co Ltd
Beipiao Power Steel
Casting Co Ltd
Bestar LLC
BesTech Tool Corp
Big Steel Rack and
Technique Inc
Bihler of America Inc
Bohler Uddeholm Corp
Brown Boggs
Bruderer Machinery Inc
BTD
Bunting Magnetics Co
Burr Oak Tool Inc
Cangzhou Ruier Stamping
& Manufacturing Co Ltd
Carbinite Metal Coatings
Carl Zeiss Industrial
Metrology LLC
Chemtool Inc
Christy Metals
CHS Automation/
Pneumatic Feed Service Inc
CIECO Inc

METALFORM

Cimatron Technologies Inc
Clips & Clamps Industries
Closed Loop Recycling
COE Press Equipment
Colt Automation LTD
Cometel S A
CPM Tool & Die
Manufacturer Co Ltd
CWP-Cooper-Weymouth
Peterson Inc
Dalian Xingli Industrial
Products CO., LTD
Dallas Industries Inc
Daubert Cromwell
Dayton Progress Corp
Delta Industrial
DESCH Canada Ltd
Die Tech Services Inc
Diehl Steel Co Inc
Dongguan Kingvow
Tool Co Ltd
Dongguan Meinie Tool &
Die Co Ltd
Dongguan Sincere Tool Co Ltd
Dongguan Zhijia Tool
& Die Co Ltd
Dongying Changrui Investment
Casting Co Ltd
Dura-Carb Inc
Durr EcoClean Inc
Dust Shield LLC
Dynamatic
Eagle Brass Co
Eas Mold & Die Change
Systems Inc
Ebner Furnaces Inc
Ehrhardt Tool & Machine
Elizabeth Carbide Components
Engineering Technology
Associates Inc
Enprotech Industrial
Technologies LLC
Euromeccanica Group SPA
EVA-Tool Ltd USA
F & G Tool and Die Co
Fagor Arrasate
Fast Rite International
Feed Lease Corp
Fibro Inc
FluidForming Americas
Fong Kai USA Inc
Forming Technologies Inc
FORMTEK-ME
Fuchs Lubricants Co
Fuxin Tianyuan Steel Balls
Manufacturing CO., LTD
Gerb Vibration
Control Systems
Global Metal Spinning
Metal Forming
Greenerd Press & Machine
Company Inc
Gruber Tool & Die Inc
Haiyi Tool & Die Co., Ltd
Hangsterfer's Laboratories Inc
Hebei Shinyee Trade Co Ltd
Heim Group, The
Helm Instrument Co Inc
Helmel Engineering
Products Inc
Hexagon Metrology Inc
Heyco Metals Inc
Hilma Division Carr
Lane Roemheld
Houghton International
Hudson Tool Steel Corporation
Hutchison Tool Sales Co
Hyson Products
Industrial Assets Machinery
Industrial Innovations Inc
Interlaken Technology
International Chemical Co
International Mold Steel
IonBond
ISGEC Heavy Engineering Ltd
Iturrospe

METALFORM

Jiangsu Yangli Group Co Ltd
Jiangsu Zhen Tooling Co., Ltd
Jianshan Dier Electro
Mechanical Technology Co Ltd
Jiaxing NYC Industrial Co., Ltd
JIT Automation Inc
Kaeser Compressors Inc
Kolev Engineering Inc
Komatsu America
Industries LLC
Kosmek USA
Kyzen Corporation
Latrobe Specialty
Steel Distribution
Leifeld Metal Spinning AG
Lenzkes Clamping Tools Inc
Liaoning Suhang Special
Casting Materials Co., Ltd
Linear Transfer Automation Inc
Link Electric & Safety Control
Logopress Corp/Accurate
Die Design Inc.
LSP Industries Inc
Lucky Harvest Co Ltd
Macrodyne Technologies Inc
Manitowoc Tool &
Manufacturing LLC
Mayfran International Inc
Metalloid Corp
MJC Engineering &
Technology Inc
Moeller Precision Tool
Multipress Inc
Nashville Wire Products Co
NGK Metals Corp
Nidec Minster Corp
Nikon Metrology Inc
Ningbo Yuhua Industrial
(Group) co., Ltd
Nordson EFD
Norwalk Innovation
NuCAP Industries
Oak Press Solutions Inc
ODM Tool &
Manufacturing Co Inc
OGS Industries
Ortech Inc
Otto Trading Inc
Otto Trading Inc
P&G Fluid Power Inc
P/A Industries Inc
Pacesetter Systems
Panjin Tiangong Precision
Casting Co Ltd
Pax Machine Works Inc
Pax Products Inc
Peng Fei Metal & Mold Co Ltd
Penn United Technologies Inc
Peterson Spring
Philpott Rubber
Plex Systems
Pottiez America LP
Precision Fluids
Precision Metalforming
Association
Precision Punch Corp
Precision Stamping Products
Precision Steel Warehouse Inc
Premier Tooling & Mfg Inc
Prestige Consulting Inc
Presto Lifts Inc
Process Technologies
Group Inc
Profil System Inc
Pronic Inc
Puritan Magnetics
Raffin Construction Co
Rafter Equipment Corp
Rainbow Metal
Technologies Co Ltd
Rapid-Air Corp
Ready Technology Inc
Repkon Machine and Tool
Industry & Trade Inc
Richard Hough Ltd
Rock Valley Oil &
Chemical Co Inc

METALFORM

Roll Former Corp
Rolled Metal Products
Roller Die + Forming Co
Ross Controls
Rowe Machinery & Mfg
Samco Machinery Ltd
Samson Roll Formed
Products Co
Sander Automation Corp
SCHMOLZ+BICKENBACH USA
Schuler Incorporated
Sealeze A Unit of Jason Inc
Senator International
Sentry Insurance
Serapid Inc
SEYI Presses
ShengYuan Mechanical
Equipment Engineering
Co Ltd
Shenzhen Huayuanda
Technology Co Ltd
Shenzhen SYH Tooling Co Ltd
Shijiazhuang Fitex
Trading Co Ltd
Shop Edge Software Inc
Siemens Industry Inc-
Motion Control
Silverstar
Manufacturing Co Ltd
SKF USA Inc
Smedberg Machine Corp
Solar Atmospheres
Southern Machinery Repair Inc
Special Springs LLC
Specialty Metals LLC
Spectrum Industries Inc
SST LLC
Stainless Sales Corp
StampingSimulation.com
Pty Ltd
Stamtec Inc
Stripmatic Products Inc
Superior Die Set Corp
Sutherland Presses
SWH Precision / Formtechnic
TDS Automation,
A Doerfer Company
Techniks Inc
Tecnomagnet Inc
The LS Starrett Co
Toledo Blank
Toledo Integrated Systems
TOP YES Precision
Metal Products Co LTD
Torque Inc
Tower Oil & Technology Co
Trans-Matic Mfg Co Inc
Triform Sheet Hydroforming
Turk Inc
Uelner Precision Tools & Dies
Ulbrich Stainless Steels &
Special Metals Inc
Ultratech Tool & Design Inc
Unisorb Installation
Technologies
Unist Inc
United Aluminum Corp
United Performance Metals
Van-Am Tool &
Engineering LLC
Vaughn Manufacturing Co
Versatility Tool
Works & Mfg Co
Vibro Dynamics Corp
Victory Tool
Vulcan Tool Corp
Weifang Baolong Precision
Casting Co Ltd
Wendt LLP
Wieland Metals Inc
Wilco Inc
Wilson Tool/Impax Division
Winner Circle
Manufacturing Co
Wintriss Controls
WORX Environmental Products

METALFORM

Wuhan Jingliren
Tool & Die Co Ltd
Wysong
Yamada Dobby Co Ltd
YongKang HonCho Precision
Machinery Parts Co Ltd.
Zapp Precision Strip
Zerust Corrosion Solutions
(Northern Tech Intl Corp)

TUBE/PIPE/WIRE

2020 Software Solutions Inc
Accurex Measurement Inc
Addison Machine
Engineering Inc
AddisonMckee, Canada
Advanced Fabricating
Machinery
Advanced Tubular
Technologies Inc
AED Motorsport Products Ltd
Ajan Elektronik Servis Sanayi
Ve Ticaret Ltd Stl.
Ajax Tocco Magnethermic Corp
Alpine Bender Machinery
AltaMAR Inc
Ampco Metal Inc
Baileigh Industrial Inc
Bend Tooling Inc
BEWO
BLM GROUP USA Corp
Changshu Special Shaped
Steel Tube Co Ltd
Chiao Sheng Machinery
Co Ltd
Chiyoda Kogyo-Maruka USA
Clark Fixture Technologies
CMF
Cofim LTD
Comco USA Inc
Continental Pipe &
Tube Cut-Off Machines
Cosen Saws
Crippa SPA
Current Tech
Dalian Field Heavy Machinery
Manufacturing Co Ltd
data M Sheet Metal
Solutions GmbH
DELTA Computer Systems Inc
Dimeco Alipresse
Dubak Engineering Group LLC
Eaton Leonard
Eddytech Systems Inc
EFD Induction Inc
Elmaksan Makina
EnvisionTEC Inc
ERIEZ
Eurolls S.p.A.
FIBA Technologies Inc
Fives Bronx Inc
Foerster Instruments Inc
Fontijne Formitt Inc
Fontijne Grotnes Inc
Galaxie Corporation
Gem Tool Corporation
GH Induction
Atmospheres LLC
Graebener-Reika Inc
GRB Innovations LLC
H & S Tool Inc
Haeusler AG
Hatendorfer Machine Inc
Haven Manufacturing Corp
Horn Machine Tools Inc
Huth
Innovative Tube
Equipment Corp
INNOVO Corp
Inspectech Analygas Group Inc
J & S Machine Inc
Kent Corp
Kinkelder USA
Kusakabe America Corp
Laboratory Testing Inc
Lillbacka USA Inc
Lomar Machine & Tool Co

TUBE/PIPE/WIRE

Magnetic Analysis Corp
Mair Research Spa
Manchester Tool & Die Inc
Mecco Marking & Traceability
MidWest Machinery LLC
MiiC America Inc
Mill Masters
MTM Tube Mills
NAKATA Mfg Co Ltd
Nantong Reliant Co Ltd
NDT Technologies Inc
New-Form Tools Ltd
Nikko Sangyo Co Ltd
Olimpia 80 S R L
OMNI-X USA
OTO S.p.A
Overton Industries
Packsize LLC
Passline Performance
Pat Mooney Inc
Peter Prinzing GmbH
PHI
Pillar Induction
Pressroom Electronics Inc
Proto-1 Manufacturing
R&B Machining Inc
Rattunde Corporation
REA Elektronik Inc
Roll Machining
Technologies & Solutions
Sanpro Industries Ltd
Schwarze-Robitec GmbH
Sertom Group North America
Soco Machinery Co Ltd
SST Forming Roll Inc
T&H Lemont
TaurinGroup USA
T-DRILL
Thermatool Corp
Thermo Scientific
Portable XRF Analyzers
Toledo Press Industries
Tools for Bending
Toskar Machinery
Trilogy Machinery Inc
Triple Crown Products
Tru-Cut Saw Inc
Tube & Pipe Technology
Solutions GmbH
DELTA Computer Systems Inc
Dimeco Alipresse
Dubak Engineering Group LLC
Eaton Leonard
Eddytech Systems Inc
EFD Induction Inc
Elmaksan Makina
EnvisionTEC Inc
ERIEZ
Eurolls S.p.A.
FIBA Technologies Inc
Fives Bronx Inc
Foerster Instruments Inc
Fontijne Formitt Inc
Fontijne Grotnes Inc
Galaxie Corporation
Gem Tool Corporation
GH Induction
Atmospheres LLC
Graebener-Reika Inc
GRB Innovations LLC
H & S Tool Inc
Haeusler AG
Hatendorfer Machine Inc
Haven Manufacturing Corp
Horn Machine Tools Inc
Huth
Innovative Tube
Equipment Corp
INNOVO Corp
Inspectech Analygas Group Inc
J & S Machine Inc
Kent Corp
Kinkelder USA
Kusakabe America Corp
Laboratory Testing Inc
Lillbacka USA Inc
Lomar Machine & Tool Co

WELDING

3M
ABB Inc-Robotics
ABICOR Binzel Corp
Above Material Technology
Co., Ltd
Ace Industrial Products
Advanced Cylinder Products
Air Liquide Industrial U.S. LP
Air Products and
Chemicals Inc
Airflow Systems Inc
Airgas Inc
Ajan Elektronik Servis Sanayi
Ve Ticaret Ltd Stl.
Alabama Laser
Alfra USA LLC
Allcryo
ALM Materials Handling
Alpha Professional Tools
America Fortune Company

WELDING

American Friction Welding
 American Institute Of
 Steel Construction
 American Society For
 Nondestructive Testing
 American Technical Publishers
 American Torch Tip Co Inc
 American Welding Society
 AMET Inc
 Anand Arc Ltd
 Antec Electronics Co Ltd
 APEL International
 Aquasol Corp
 ARC Abrasives Inc
 Arc Machines Inc
 Arc Products
 Arc Specialties Inc
 ARCON Welding
 Equipment LLC
 ArcOne
 Ardleigh Minerals Inc
 ATI Industrial Automation
 ATI Stellram
 Atlanta Drive Systems Inc
 Auburn Manufacturing Inc
 Avani Environmental Intl Inc
 AVS Industries LLC
 American Welding Society
 Axelent Inc
 Axxair-USA
 B&B Steel Products Inc
 B&Bartoni spol s.r.o.
 Bay State Surface Technologies
 BeamMaster (AGT)
 Beijing Essen Welding &
 Cutting Fair
 Bellman-Melcor LLC
 Bernard
 BESSEY Tools North America
 Bevel Tools
 BF ENTRON Ltd
 Bluco Corp
 BMM Welding Material Co
 Bohler Welding Group USA Inc
 Bonal Technologies Inc
 Bore Repair Systems Inc
 Bosch Power Tool Corp
 Bradford Derustit Corp
 Broco Inc
 Bruker Elemental HXXRF
 Buffalo Shrink Wrap
 Bug-O-Systems/Weld
 Tooling Corp
 Buhin Corp
 Built Systems
 Bullard Abrasives Inc
 Burny & Kaliburn
 C H Symington & Co Inc
 C.M.M. SRL
 Cadi Co Inc
 Cambridge Vacuum
 Engineering
 Capital Weld Cleaners
 Carr Lane Manufacturing Co
 CDS Corp
 CEIA USA
 Centerline (Windsor) Ltd
 Cerbaco Ltd
 CGW-Camel Grinding
 Wheels USA
 Changzhou City Yunhe
 Welding Material Co Ltd
 Changzhou Huarui Welding &
 Cutting Equip Co Ltd
 Changzhou Longren
 Mechanical & Electrical
 Co Ltd
 Changzhou Shine Science
 & Technology Co Ltd
 Changzhou Wujin Golden
 Globe Welding & Cutting
 Machinery Co Ltd
 Changzhou Yangzi River
 Welding Material Co Ltd
 Changzhou Zhengyang
 Welding Material Co Ltd
 Chart Inc

WELDING

Cheil Grinding Wheel USA Inc
 Chicago Pneumatic Tool Co
 Chung I Silver Solder Co Ltd
 CK Worldwide
 Clara Vision
 Clean Air Filters Inc
 Climax Portable Machining &
 Welding Systems
 Cloos Robotic Welding Inc
 CM Industries Inc
 COB Industries Inc
 Cobra Torches Inc
 Compressed Air
 Computer Engineering Inc
 Computers Unlimited
 (TMS Software)
 CONCOA Inc
 Construction
 Electrical Products
 Coral SPA/Industrial Air
 Solutions
 Core Temp Inc
 Corewire Ltd
 COR-MET INC
 CS Unitec Inc
 C-spec
 Cyl-Tec Inc
 D/F Machine Specialties Inc
 Dakota Ultrasonics
 Dataweld Inc
 Dengensha America Corp
 DE-STA-CO
 Diagraph MSP an
 ITW Company
 Diamond Ground Products Inc
 Diamond Saw Works Inc
 Dinse Inc
 Direct Wire & Cable
 Diversi-Tech Inc
 DM3D Technology LLC
 Dr Gold & Co
 DualDraw LLC
 DURUM USA
 Dynaflex Quality Products/
 QWP Division
 Dynatorch Inc
 E. H. Wachs
 Easom Automation
 Systems Inc
 Easy Abrasives LLC
 ELCo Enterprises
 Electron Beam
 Technologies Inc
 Element Materials Technology
 Enstlech PTY Ltd
 ENTRON Controls LLC
 Environmental Air
 Solutions
 Equipois Inc
 ESAB Welding &
 Cutting Products
 Etal/INDUX Sa De Cv
 EVOBEAM
 Evolution Power Tools LLC
 Factory Cat
 FANUC America Corporation
 Fastenal Company
 Fein Power Tools Inc
 Felton Brushes Ltd
 Ferris State Univ
 Fibre-Metal By Honeywell
 Filter 1
 Flame Technologies Inc
 Freer Tool & Supply
 Frommelt Safety Products
 Fronius USA LLC
 Frontics America Inc
 Funabori Co Ltd
 Fusion Inc
 G&H Hall Tools Inc
 Gaozhou City Longsafety
 Labor Insurance
 Gasflux Co
 GE Measurement & Control
 Genesis Systems Group
 Genstar Technologies Inc
 Goff's Enterprises Inc

WELDING

Golden Eagle Minmetals
 (Beijing) Wldg Materials Co
 Goss Inc
 Grainger
 GSM America Inc
 Gulco International
 H & M Pipe Beveling
 Machine Co Inc
 H.C. Starck GmbH
 Hangzhou Apollo Import
 and Export Co LTD
 Harbert's Products Inc/
 Allied Flux Reclaiming Ltd
 Harris Products Group
 Haynes International
 Hermes Abrasives Ltd
 Heromin Machinery
 Canada Ltd
 Heron Machine &
 Electric Industrial Ltd
 Hex-Hut Shelter Systems Ltd
 HI TecMetal Group Inc
 Hisco
 Hobart Brothers
 Hobart Institute of
 Welding Technology
 HOT COILS
 Hotfoil EHS Inc
 Hyundai Welding
 IBEDA / Superflash
 Compressed Gas
 Equipment Inc
 Ideal Welding Systems LP
 igm Robotic Systems Inc/
 PTR-Precision Te
 IMC Marks, LLC
 IMPACT Engineering Inc
 Industrial Solutions &
 Innovation LLC
 Innerspec Technologies
 Interactive Safety Product Inc
 Intercon Enterprises Inc
 International Thermal
 Spray Assoc. (ITSA)
 International Welding
 Equipment LLC
 International Welding
 Technologies Inc
 InterTest Inc
 IPG Photonics
 Iroco Automation Inc
 Ironworkers Management
 Progressive Action Cooperative
 Trust (IMPACT)
 ITW Professional Brands -
 Dykem Brand
 Japan Die & Mold
 Industry Association
 JASIC Technologies
 America Inc
 Javelin Industrial
 JAZ USA Inc
 Jennifer Costa Studio
 Jenoptik Laser Technologies
 Jetline Engineering
 Jiangsu Meixin Photoelectric
 Technology Co Ltd
 Jinan Huaao Electric Welding
 Machine Co Ltd
 Jingyu Welding & Cutting
 Co Ltd
 JLC Electromet Pvt LLC
 John Tillman Co
 Joysun Abrasives Co Ltd
 JP Nissen Co
 KAAST Machine Tools Inc
 Kaierda Group Co Ltd
 Kalas Wire Inc
 Kaplan Industries Inc/
 Midwest Cylinder
 Kawasaki Robotics (USA) Inc
 Kemper America Inc
 Kemper System
 America (Cantesco)
 Kennametal Stellite
 Keystone Fastening
 Technologies

WELDING

Kimberly-Clark Professional
 Kiswel USA Inc
 Klimawent USA LLC
 KLINGSPOOR Abrasives Inc
 Kobelco Welding of
 America Inc
 Kodima Co Ltd
 Koike Aronson Inc
 KUKA Robotics Corporation
 Kuka Systems North America
 Kullen-Koti GmbH
 LA-CO Industries/Markal
 Lapco Mfg Inc
 Laserage Technology Corp
 Liburd Automation Inc
 Lin An Da Yang Welding
 Material Co Ltd
 Lincoln Electric Co
 Linemaster Switch Corp
 LONGEVITY Welding &
 Cutting Products
 LORD Corporation
 LORS Machinery/Resistance
 Welding Solutions Inc
 LPR Global Inc
 Lucas-Milhaupt Global
 Brazing Solutions
 Luvata Ohio Inc
 Machitech Automation
 MAGMAWELD
 Magnatech LLC
 Manufacturing Solutions Inc
 Maryland Brush Co
 Material Management
 Solutions Inc
 Matheson
 Mathey Dearman
 Matuschek Welding
 Products Inc
 MCR Safety
 Medi Mail Inc
 Meltric Corp
 MeltTools LLC
 Mercer Abrasives a Division
 of Mercer Tool Corp
 Meta Vision Systems Inc
 Metabo Corp
 Metal Man Work Gear Co
 Metal Science
 Technologies Pty Ltd
 Metallizing Equipment Co
 PVT LTD
 Metrode Products Ltd
 Mexico Industry Newspaper
 Michigan Pneumatic Tool Inc
 Micro Air Products
 Midalloy
 Miller Electric Mfg Co
 Miyachi Unitek Corp
 MK Products Inc
 Motofill Robotics SA
 MTI Instruments Inc
 MTI Power Services
 MÜLLER OPLADEN GmbH
 Multi-Contact USA
 Multiquip Inc
 Nabtesco Motion Control Inc
 Nachi Robotic Systems Inc
 Nation Wide Products
 National Bronze & Metals Inc
 National Kwimetal Service LP
 National Standard LLC
 Nederman Inc
 Nelson Stud Welding
 New Anhua (Zhengzhou)
 Abrasives Co Ltd
 New Fire Co Ltd
 Newland (Tianjin) Welding
 Wire and Metal Products
 Co Ltd
 NIMAK NA
 Ningbo Feihong United
 New-Materials Co Ltd
 Ningbo Geostar Photoelectric
 Technology Co Ltd

WELDING

Ningbo Jinfeng Welding
 & Cutting Machinery
 Manufacture Co Ltd
 Ningbo Powerway Alloy
 Material Co Ltd
 Nordfab
 North (Nanjing) Instrument
 Technology Industries Group
 Northern Plasma.com
 Norton Abrasives
 NSRW
 Olympus NDT
 Optrel AG
 OR Lasertechnology Inc
 Orbitalium Orbital Cutting +
 Welding
 ORS Nasco
 Osborn
 OTC DAIHEN Inc
 Outokumpu VDM USA, LLC
 Oxford Alloys Inc
 Oxylance Inc
 Pace Technologies Corp
 Pador Marketing Group
 Pan Taiwan Enterprise
 Panchmahal Steel Ltd
 Pandjiris Inc
 Parker Domnick Hunter
 PDS Barteck Inc
 Pearl Abrasive Co
 Permadur Industries Inc
 PFERD INC
 Phoenix International Inc
 Pipe Fitters Local Union #597
 Plasma Automation Inc
 Polymet Corp
 Praxair Inc
 Praxair Surface Technologies/
 Tafa Inc
 Precitec Inc
 Preston-Eastin Inc
 Pro Arc Inc
 PROFAX / LENCO
 Pro-Fusion Technologies
 PT-Mat
 PushCorp Inc
 Pyro Shield Inc
 Quality Equipment
 Distributors Inc
 Raajratna Stainless Wire
 (USA) Inc
 Radyne Corp
 Rasco FR Inc
 Ratermann Mfg Inc
 Reis Robotics USA Inc
 Revco Industries Inc
 REXARC International
 Rex-Cut Abrasives
 Rhino Cutting Systems
 Rick-ee's LLC
 Right Brain Developments
 Robotiq
 Robotmaster- In-House
 Solutions
 RoboVent Product Group
 Rofin-Sinar Inc
 Rolled Alloys
 RoMan Mfg Inc
 Roman / Red Rock LLC
 rose plastic USA LP
 Ruok Tool Inc
 Ruvac Industrial Vacuums
 RWMA
 Safety Supply Illinois
 Saf-T-Cart Inc
 Sakura of America
 Sandvik Materials Technology
 Sampo Publications Inc
 Sanrex Corp
 Saru Silver Alloy
 Private Limited
 Save Phase Inc
 Schaefer Ventilation
 Sojaki Inc
 Scrape-N-Burr
 Selectrode Industries Inc
 Sellstrom Manufacturing Co

WELDING

Senor Metals Pvt Ltd
 Servo-Robot Inc
 Shandong Huaye Tungsten &
 Molybdenum Co Ltd
 Shandong Juli Welding
 Co. LTD
 Shandong Roitie New Material
 Science and Technology
 Co Ltd.
 Shanghai Gonglue Machinery
 & Elect Tech Co Ltd
 Shanghai Hutong Enterprise
 Group International Trade
 Co Ltd
 Shantou Inst of Ultrasonic
 Instruments Co Ltd (SIUI)
 Shenzhen Stahlwerk Welding
 Technology Co Ltd
 Sherwin Inc
 sia Abrasives Inc
 Sideros Engineering
 Simufact-Americas LLC
 SMC Corp Of America
 Smith Equipment
 SMK Co Ltd
 Soph Inc
 Sorex Welding Co Ltd
 Southern Copper & Supply
 Southern Welding Systems Intl
 Special Metals Welding
 Products Co
 St Louis Metallizing Co
 Staubli Corp
 Steelmax Tools
 SteelTailor Ltd
 Steiner Industries
 Strecker GmbH & Co. KG
 Strong Hand Tools
 Strong Hold Products
 Stud Welding Associates Inc
 Suhner Industrial Products Inc
 Sulzer Metco US Inc
 Sumner Manufacturing Co Inc
 Sundisc Abrasives USA
 Sunstone Engineering
 Superior Abrasives Inc
 Superior Glove Works Ltd
 Superior Products
 Swagelok Company
 Taylor Winfield
 Technologies Inc
 TDC Filter Inc
 TEAM Industrial Services
 Team Industries Inc
 TEC Torch Co Inc
 Techalloy
 Techflex Inc
 Techniweld
 TECMEN Electronics Co Ltd
 Tecoi Corte S.L.
 Telwin SPA
 Tempil
 Tennessee Rand Inc
 Terralux
 THE ROUCHE CO LLC
 ThermaCut Inc
 Thermo Instrument Corp
 Thermo Inc
 Thermo-Calc Software
 Thompson Friction Welding
 THR Machinery
 Tianjin Jinlong Welding
 Material Co Ltd
 Tianjin Xinsen Welding
 Materials Co Ltd
 Tip Tig USA
 Titus Flux Inc/American
 Welding & Flux
 TJ Snow Co
 Top Cat Air Tools
 Torchmate
 Trafimet USA
 Tregaskiss
 Trendex Information
 Systems Inc
 Tri Tool Inc
 Tri-Mer Corp

WELDING

Tru-Weld Stud Welding
 Products
 Trystar
 Tsubaki KabelSchlepp America
 Tulsa Welding School
 U-Mark Inc
 United Abrasives Inc /SAIT
 United ProArc Corp
 Uniweld Products Inc
 VERNON Tool
 Victor Technologies
 Victor Technologies/Tweco
 Victory Plasma Systems
 Visual Components
 VSM Abrasives
 Wall Colmonoy Corp
 Walter H Jelly Ltd
 Walter Surface Technologies
 Washington Alloy Co
 Watts Specialties Inc
 Wayne Trail Technologies
 Weartech
 Weiler Corp
 Weld Engineering Co
 Weld.com
 Weld-Aid Products
 Weldas Co
 Weldcoa
 Weldcraft
 Weld-Ed Natl Ctr for Welding
 Education & Training
 Welder Training &
 Testing Institute
 Welding Alloys USA
 SteelTailor Ltd
 Steiner Industries
 Weldshop Corp
 Welker Engineered Products
 Wendt USA LLC
 Wenling Wanshun
 Electromechanical
 Manufacturing Co Ltd
 Wenzhou Xidin Electronics
 Technology Co Ltd
 West Chester Protective Gear
 Western Enterprises
 Winnox Industries Ltd
 Wirecrafters
 Wisconsin Wire Works Inc
 Wise Welding Technology
 & Equipment Co Ltd
 Witt Gas Controls
 Wolf Robotics LLC
 Wuhan Weihei
 Photoelectric Co Ltd
 Wuxi Hualian Precision
 Machinery Co Ltd
 Wuxi Ronniwell
 Machinery Equi
 Wuxi Volcano Welding &
 Cutting Equipment Co LTD
 Xinxiang Worldbest Patron
 Saint Co Ltd
 Xiris Automation Inc
 Yaskawa America Inc
 ThermaCut Inc
 Ins Gida San Tic Ltd
 York Portable Machine Tools
 Yunnan Hengyu Optical
 Electronics Co (Optech Co)
 Zarbeco LLC
 Zhejiang Changzheng Project
 Carbon Electrodes Co Ltd
 Zhejiang Xinrui Welding
 Material Co Ltd
 Zhejiang Yuejian Machinery
 Manufacture Co Ltd
 Zhejiang Zhongda Special
 Steel Co Ltd
 Zhengzhou Anxin Abrasives
 Zibo Maiké Welding
 Equipment Co Ltd
 Zipp Air Tool Company
 ZJ Industries Inc
 ZRID.Pty.Ltd

Detailed conference descriptions, speakers, pricing, room locations and more can be found at fabtechexpo.com/edu.

MONDAY, NOVEMBER 18			
TECHNOLOGY	8:00 a.m. – 10:00 a.m.	10:30 a.m. – 12:30 p.m.	1:30 p.m. – 3:30 p.m.
FINISHING		C20: Running Efficient Paint Systems B	C30: NEW! BEST PRACTICES: Choosing the Right Technology for Your Paint Line I
		C21: NEW! FINISHING ESSENTIALS: System Design Basics B	C31: FINISHING ESSENTIALS: The Importance of Cleaning Prior to Pretreatment & Pretreatment Troubleshooting B
		C22: Trends in Industrial Coatings A	C32: NEW! Emerging Technologies A
STAMPING	S10: NEW! Precision Punching and Cutting Technology B	S20: NEW! In-Die Electronics I	S30: NEW! An Engineering Approach to Design I
CUTTING			F30: NEW! Cutting: Dual Process Integration A
LASERS	F10: NEW! Trends and Advances in Laser Technology B	F20: Fiber/Solid State or CO ₂ Laser Technology I	
FORMING & FABRICATING	F11: Tooling Solutions for Metal Fabrication I	F21: Roll Forming Best Practices B	F31: Roll Form Tooling & Troubleshooting A
JOB SHOP SOLUTIONS	F12: Cost Estimating for the Job Shop B	F22: Designing Parts for Sheet Metal B	F32: NEW! Material Handling Solutions for the Job Shop B
AUTOMATION & ROBOTICS	F13: Using Robotics in Metal Forming and Fabrication I		F33: NEW! Automation Solutions for Press Brakes with Tech Tour I
LEAN	F01: WORKSHOP: NEW! Driving the Lean Transformation...Are You Prepared for Change? I		
	F14: NEW! Lean Principle: Strategic Planning and Organizational Alignment I	F24: NEW! Lean Principle: Visual Workplace I	F34: NEW! Lean Principle: Developing People and Processes B
MANAGEMENT	F15: NEW! How Much Is Your Company Worth? A	F25: NEW! Leading Your Organization to Profitability I	F35: NEW! Sustainable Manufacturing in the 21st Century I
TUBE & PIPE		F27: NEW! Forming Stainless Steel Tubes I	
WELDING			
SEMINARS	W10: API 1104 Code Clinic 1:00 p.m. – 5:00 p.m. W11: Metallurgy Applied to Everyday Welding 8:30 a.m. – 4:30 p.m.		
CONFERENCES	W23: Welding Dissimilar Metals 8:15 a.m. – 2:30 p.m.		
PROFESSIONAL PROGRAM	W28: Session 1: Automation and Sensors 1:00 p.m. – 5:30 p.m. Session 2: NSF-CIMJSEA - Welding Metallurgy 1:00 p.m. – 5:00 p.m. Session 3: Applied Technology I 1:00 p.m. – 5:30 p.m.		
EDUCATIONAL SESSIONS	W34: AWS Educational Sessions 8:00 a.m. – 5:00 p.m.		
SPECIAL PROGRAMS	W38: AWS Education Program Q&A FREE 2:00 p.m. – 3:00 p.m. W39: Brazing Symposium FREE 1:00 p.m. – 5:00 p.m. AWS Professional Welders Competition - Day 1 10:00 a.m. – 5:30 p.m.		

TUESDAY, NOVEMBER 19			
TECHNOLOGY	8:00 a.m. – 10:00 a.m.	10:30 a.m. – 12:30 p.m.	1:30 p.m. – 3:30 p.m.
FINISHING	C40: Conceptos Básicos de Pintura en Polvo en Español B	C50: Building Blocks of Powder Coating B	C60: Powder Coating Color Change: It's All About the Time A
	C41: Introduction to Electrocoating B	C51: NEW! FINISHING ESSENTIALS: Getting Hooked on Paint Racks I	C61: NEW! FINISHING ESSENTIALS: Achieving an Excellent Powder Coated Finish B
STAMPING	S40: NEW! Engineering Optimum Sheet Metal Stamping Costs: Blank, Tools, Presses I	S50: Advances in Stamping Technology I	S60: In-Die Value-Added Assembly I
	S41: NEW! Material Handling: Requirements and Variations of the Job I	C52: Advances in Porcelain Enamel I	C62: NEW! Get Ready for OSHA or EPA to Come Calling I
CUTTING	F40: NEW! Introduction to Laser Cutting Best Practices B	F50: NEW! New Developments in Waterjet Cutting I	
LASERS			F60: NEW! Industrial Applications in Lasers I
FORMING & FABRICATING	F41: Leveling: Making Material Flat I	F51: Coil Processing from Start to Finish B	F61: NEW! Bending and Forming Technology I
JOB SHOP SOLUTIONS	F42: NEW! Press Brake Safety: Changes to ANSI B11.3 – 2012 Explained B	F52: NEW! Lean and Safe: A Winning Combination I	F62: NEW! Maintenance for the Job Shop B
AUTOMATION & ROBOTICS	F43: Automated Deburring with Tech Tour I		
LEAN	F44: NEW! Lean Principle: Standardized Work for Shop Floors and Leaders I	F54: NEW! Lean Principle: Flow and Pull Valve I	F64: NEW! Lean Tools: Value Stream Mapping — Addressing the Differences Between the Office and the Shop Floor B
MANAGEMENT	F45: NEW! Developing Business Process and Strategy I	F55: NEW! Practical Approach to Developing a Strategic Plan I	F65: NEW! Put Your Customer First! Improve Customer Relations to Increase Profitability I
	F02: WORKSHOP: NEW! Building a Competency-Based Training & Development Program B		F66: NEW! Workforce: Recruitment Strategies B
TUBE & PIPE		F57: NEW! Advancements in Welding Tube Production I	F67: NEW! Inspecting and Troubleshooting Welded Tube A
WELDING			
SEMINARS	W12: D1.1 - Code Clinic		8:30 a.m. – 4:30 p.m.
	W13: The Why and How of Welding Procedure Specifications B		8:30 a.m. – 12:00 p.m.
	W14: The Why and How of Welding Procedure Specifications A		1:00 p.m. – 5:00 p.m.
	W15: The Why and How of Welding Procedure Specifications B A		8:30 a.m. – 5:00 p.m.
	W16: Welding of Stainless Steel — Basics		8:30 a.m. – 4:30 p.m.
CONFERENCES	W19: ASME Section IX, B31.1 & B31.3 Code Clinic – Day 1		8:30 a.m. – 4:30 p.m.
	W24: So You're the New Welding Engineer – Day 1		8:00 a.m. – 5:00 p.m.
PROFESSIONAL PROGRAM	W26: Thermal Spray Technology: High-Performance Surfaces		9:00 a.m. – 5:00 p.m.
	W29: Session 4: Keynote Speaker 1 and Keynote Speaker 2		8:00 a.m. – 10:00 a.m.
	Session 5: NSF-CIMJSEA - Modeling		10:00 a.m. – 12:00 p.m.
	Session 6: NSF-CIMJSEA - Processing		10:00 a.m. – 12:00 p.m.
	Session 7: Welding Metallurgy I		2:00 p.m. – 5:30 p.m.
	Session 8: Modeling		2:00 p.m. – 5:30 p.m.
	W35: AWS Educational Sessions (including Plummer Lecture)		8:00 a.m. – 5:00 p.m.
	W40: AWS Awards Luncheon		12:00 p.m. – 2:00 p.m.
SPECIAL PROGRAMS	AWS Professional Welders Competition – Day 2		9:00 a.m. – 5:00 p.m.
	Welding Wars Competition – Day 1		9:00 a.m. – 5:00 p.m.
	Robotic Welding Contest – Day 1		9:30 a.m. – 4:45 p.m.

WEDNESDAY, NOVEMBER 20

TECHNOLOGY	8:00 a.m. – 10:00 a.m.	10:30 a.m. – 12:30 p.m.	1:30 p.m. – 3:30 p.m.
FINISHING	C70: NEW! Innovations in Powder Coating Application Equipment A	C80: FINISHING ESSENTIALS: Manual Powder Coating B	C90: Cost Saving Measures for Powder Coating A
	C71: NEW! Innovations in Pretreatment A	C81: Efficient Curing With Infrared for Industrial Finishing B	C91: NEW! FINISHING ESSENTIALS: Impacting Our Environment A
	C72: NEW! Innovations in Mechanical Finishing A	C82: NEW! Improving Transfer Efficiency in Liquid Finishing Operations I	C92: NEW! Is Powder Over E-Coat Right for You? I
STAMPING	S70: NEW! Regulatory Compliance I	S80: NEW! Traceability and Production Efficiency B	S90: NEW! Game Changing Technology to Increase Productivity I
CUTTING	F70: NEW! Innovations in Plasma Cutting I	F80: Comparative Cutting with Tech Tour B	
LASERS			F90: NEW! Laser Joining Considerations with Tech Tour I
FORMING & FABRICATING	F71: NEW! Press Brakes for Operators I	F81: NEW! Press Brakes for Engineers A	F91: NEW! Punch Press Technology with Tech Tour B
JOB SHOP SOLUTIONS	F72: NEW! Business Solutions to Streamline Your Job Shop I	F82: Plate Fabrication B	
AUTOMATION & ROBOTICS	F73: Automation: Robotic Material Handling for Lean High Mix/Low Volume Shop B		
LEAN	F74: NEW! Lean Tools: Quick Changeover and TPM I	F84: NEW! Lean Tools: 5S Workplace Organization and Standardization B	F94: NEW! Lean Facility: Operating for Increased Profitability I
MANAGEMENT	F75: Marketing for Fabricators I	F85: NEW! Achieve Your Sales Goals B	F95: NEW! Grow Your Business Using the Web and Social Media I
	F76: NEW! Workforce: Preparing Next Gen Leaders I	F86: NEW! Workforce: Boost Performance Through Employee Engagement I	
TUBE & PIPE			F97: NEW! Principles of Tube Bending B
WELDING			
SEMINARS	W17: Welding of Stainless Steel – Avoiding Weld Defects 8:30 a.m. – 4:30 p.m.		
	W20: Advanced Visual Inspection Workshop 8:30 a.m. – 4:30 p.m.		
	W19: ASME Section IX, B31.1 & B31.3 Code Clinic – Day 2 8:30 a.m. – 4:30 p.m.		
	W21: Build it Better – Day 1 8:30 a.m. – 4:30 p.m.		
CONFERENCES	W24: So You're the New Welding Engineer – Day 2 . . . 8:00 a.m. – 5:00 p.m.		
	W25: Thermal Spray Basics FREE 1:00 p.m. – 4:00 p.m.		
RWMA SCHOOL	W27: RWMA Resistance Welding School – Day 1 7:45 a.m. – 5:30 p.m.		
PROFESSIONAL PROGRAM	W30: Session 9: High Energy Density Welding Processes 8:00 a.m. – 11:00 a.m.		
	Session 10: Applied Technology II 8:00 a.m. – 11:30 a.m.		
	Session 11: Welding Metallurgy II 1:30 p.m. – 5:30 p.m.		
	Session 12: Arc Welding Processes 1:30 p.m. – 6:00 p.m.		
	Session 13: Solid-State Welding Processes 1:30 p.m. – 6:00 p.m.		
EDUCATIONAL SESSIONS	W36: AWS Educational Sessions 8:00 a.m. – 5:00 p.m.		
SPECIAL PROGRAMS	W41: AWS Prayer Breakfast 7:00 a.m. – 8:30 a.m.		
	AWS Professional Welders Competition – Award Announcement 11:00 a.m. – 11:30 a.m.		
	Welding Wars Competition – Day 2 9:00 a.m. – 5:00 p.m.		
	Robotic Welding Contest – Day 2 9:30 a.m. – 11:00 a.m.		

B = Basic **I** = Intermediate **A** = Advanced

THURSDAY, NOVEMBER 21

TECHNOLOGY	8:00 a.m. – 10:00 a.m.	10:30 a.m. – 12:30 p.m.
STAMPING	S100: NEW! Deep Draw Technologies B	
LASERS	F100: NEW! Laser Scanning I	
FORMING & FABRICATING	F03: WORKSHOP: NEW! Precision Sheet Metal Operation Prep Course and Certification Exam	
JOB SHOP SOLUTIONS	F102: Low Volume High Variety I	
LEAN	F104: NEW! Lean Tools: 3 Proven Paths to Major Profit Improvement A	
MANAGEMENT	F105: NEW! Strategically Growing Business in North America I	
WELDING		
SEMINARS	W21: Build it Better – Day 2 8:30 a.m. – 4:30 p.m.	
	W22: Corrosion of Welds: Causes and Cures 8:30 a.m. – 3:00 p.m.	
RWMA SCHOOL	W27: RWMA Resistance Welding School – Day 2 8:00 a.m. – 3:45 p.m.	
PROFESSIONAL PROGRAM	W31: Session 14: NSF-CIMJSEA Mechanical & Corrosion Properties 8:00 a.m. – 11:30 a.m.	
	Session 15: Weldability Topics 8:00 a.m. – 11:30 a.m.	
SPECIAL PROGRAMS	AWS Certification Exam (advance application required) 7:00 a.m. – 6:00 p.m.	

Questions regarding the educational programs at FABTECH can be directed to the following representatives:

WELDING
Contact AWS,
Martica Ventura
mventura@aws.org
800-443-9353

STAMPING
Contact PMA,
Marianne Sichi
msichi@pma.org
216-901-8800

FINISHING, COATING
Contact CCAI,
Kelly LeCount
Kelly@govmngt.com
859-356-1030

FORMING & FABRICATING, JOB SHOP, MANAGEMENT, TUBE & PIPE
Contact SME,
Julie Maddock
juliem@fmanet.org
888-394-4362

CUTTING, FORMING & FABRICATING, LASERS, LEAN, MANAGEMENT

Contact SME,
Ila Lee
ilee@sme.org
800-733-4763

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CANCELLATION POLICY: Cancellations must be made in writing and faxed to Attn: FABTECH Conference Cancellation at (313) 425-3407 no later than October 28, 2013 to receive a full refund minus a \$50 administrative fee. Cancellations received after this date are non-refundable. Substitutions allowed.

MONDAY, NOVEMBER 18

Keynote Presentation

9:00 a.m. – 10:00 a.m.

Location: Grand Ballroom (S100)



Alan Beaulieu, President, ITR Economics™

NAVIGATING THE FISCAL REALITY

Business leaders are uncertain in the face of conflicting financial reports. What will Washington do? Will Europe pull through? Is China a problem? During this dynamic presentation, Alan Beaulieu, President of ITR Economics™, will take a look at what's really going on in the U.S. and in markets that impact our industry. He will

present the economic outlook for the global economy with the clarity that business leaders have come to expect from ITR. This is a must-attend for decision makers who will gain the confidence to plan and position their company for success and prepare for changes that are coming over the next few years.

State of the Industry Executive Outlook

12:30 p.m. – 1:30 p.m.

Location: FABTECH Theater, Grand Concourse

Is the U.S. manufacturing renaissance fact, or just fiction? Conventional wisdom points to improvement, but many factors such as the fiscal cliff and tax structure, healthcare costs, and labor have impacted expected growth with many of the businesses that attend FABTECH. Hear from leaders representing job shops, manufacturers and other service providers who are dealing with the same issues discuss how they navigate these challenges to remain competitive in today's economy. Join the interactive Q & A led by Economist Alan Beaulieu, to ask questions and offer your perspective on the future of the industry. Return to your company with new insights that will guide your decision-making in 2014.

Moderator: Alan Beaulieu, President, ITR Economics™

Panel: Jeff Oravitz, President, MetoKote Corporation

Dr. Dennis S. Bray, President & CEO, Contour Precision Group LLC

William J. Adler, Jr., President, Stripmatic Products, Inc.

FABTECH Bistro

Reserve a seat at the **FABTECH Bistro** and you will always have a convenient place to eat, meet and network. The Bistro offers assorted menu options including fresh and healthy lunch options, international cuisine and regional favorites — all at a reasonable price. Avoid lines, purchase your lunch tickets in advance at fabtechbistro.com.



TUESDAY, NOVEMBER 19

Keynote Presentation

8:30 a.m. – 9:30 a.m.

Location: FABTECH Theater, Grand Concourse



Scott A. Kartvedt, Executive Consultant, Afterburner, Inc.

ACCELERATING PERFORMANCE THROUGH FLAWLESS EXECUTION

Flawless Execution is a continuous improvement model that was born and bred in the zero tolerance-for-error world of military aviation and elite-group combat operations where failure is not an option. Hear Scott A. Kartvedt,

former Blue Angel pilot, share the model's leadership tools that can be used by organizational leaders and teams to leverage the same execution, leadership, communication, teamwork, and disciplined techniques of Elite Military professionals. Learn how to accelerate your team's performance and begin building a team that executes flawlessly every day.

BONUS: One lucky keynote attendee will win an Afterburner Day (4-6 hrs training based on the Flawless Execution Model) for up to 30 people in their organization (Retail value: \$17,500).

WEDNESDAY, NOVEMBER 20

Solutions for a Qualified Workforce Pipeline

12:30 p.m. – 1:30 p.m.

Location: FABTECH Theater, Grand Concourse

Workforce development has leaped to the top of the chart as one of the key challenges manufacturers face to remain competitive in today's global economy. Hear a panel of leading professionals discuss how education, industry and government are working together to build and strengthen the future manufacturing workforce pipeline. This panel will enlighten attendees and outline solutions for developing employees of tomorrow to meet the skilled labor needs of today's manufacturer.

Moderator: Pam McDonough, President/CEO, Alliance for Illinois Manufacturing/ North Business & Industrial Council

Panel: Stacey DelVecchio, Product Development & Global Technology, Caterpillar

Joe Lampinen, Director, Engineering Services APG, Kelly Services

Scott Mazzulla, VP Planning and Development – CWI, Hobart Institute of Welding Technology

Jeannine Kunz, Director of Training and Development, SME

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TUESDAY, NOVEMBER 19

Happy Hour

3:00 p.m. – 5:00 p.m.

Location: North & South Halls

Mix and mingle with other attendees and exhibitors during Happy Hour beginning at 3:00 p.m. on Tuesday, November 19. Held on the exhibit hall floor, Happy Hour is a great way to network with peers in a relaxed, entertaining environment while perusing the technology in exhibitor booths.

Complimentary beverage ticket with event registration.

WEDNESDAY, NOVEMBER 20

Cocktails and Comedy

Doors open: 5:00 p.m. | **Show:** 5:30 p.m. – 6:30 p.m.

Location: FABTECH Theater, Grand Concourse

Connect with your peers and enjoy a night of laughs at the annual FABTECH Cocktails and Comedy event. The event features a veteran group of Chicago's elite short-form improvisers known for specializing in quick-witted, hilarious shows as seen at ComedySportz Theater, Second City, the Improvised Shakespeare Company, and more. The lively interaction between performers and the audience will have you falling out of your seat with laughter. You won't want to miss it!

Complimentary admission and beverage ticket with event registration.



PROFESSIONAL WELDING COMPETITION

Monday, November 18: 10:00 a.m. – 5:30 p.m.

Tuesday, November 19: 9:00 a.m. – 5:00 p.m.

Wednesday, November 20: 11:00 a.m. Announcement of winners

Location: North Hall, Booth N2299

Professional welders can sign up onsite to compete for a \$2,500 first prize, a \$1,000 second prize, and a \$500 third prize. Don't miss the chance to cheer on competitors as they demonstrate their skills to earn the title of "Best Welder in America." Contestants will make a single-pass SMAW weld with E7018 on low-carbon steel. Speed and quality will be the criteria.

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GET THE BEST HOTEL RATES

Book your room through the official FABTECH hotel block and you are guaranteed to get the best rates (if you find a lower rate, let us know). Free shuttle service is available to and from McCormick Place and designated event hotels.

To find hotel information, make room reservations, take advantage of free shuttle, special discounts and more, go to fabtechexpo.com/accommodations.



HOTEL	DISTANCE FROM CONVENTION CENTER	RATE*
Avenue Crowne Plaza Hotel Chicago	5.0 Miles	\$199 to \$259
Chicago Marriott Downtown Magnificent Mile	3.1 Miles	\$249 to \$289
Courtyard by Marriott Downtown River North	3.2 Miles	\$222 to \$272
Embassy Suites Chicago Downtown	3.0 Miles	\$242 to \$272
Embassy Suites Chicago Lakefront (CCAI HQ)	3.0 Miles	\$239 to \$289
Fairfield Inn and Suites Downtown	5.0 Miles	\$209 to \$209
Fairmont Chicago	2.7 Miles	\$254 to \$314
Four Points by Sheraton Magnificent Mile	3.0 Miles	\$219 to \$219
Hilton Chicago (AWS HQ)	1.8 Miles	\$247 to \$322
Hilton Garden Inn Magnificent Mile	3.2 Miles	\$229 to \$249
Holiday Inn Chicago Mart Plaza	4.0 Miles	\$205 to \$230
Hyatt Mag. Mile (formerly Wyndham Chicago)	2.2 Miles	\$249 to \$299
Hyatt Regency Chicago (FMA HQ)	2.0 Miles	\$232 to \$307
Hyatt Regency McCormick Place	Adjacent	\$239 to \$337
Intercontinental Chicago Magnificent Mile (SME HQ)	2.0 Miles	\$265 to \$305
Omni Hotel Chicago	2.0 Miles	\$239 to \$279
Palmer House Hilton	2.0 Miles	\$237 to \$287
Radisson Blu Aqua Hotel	3.0 Miles	\$229 to \$254
Renaissance Blackstone Chicago Hotel	1.9 Miles	\$239 to \$259
Renaissance Chicago Hotel	2.9 Miles	\$259 to \$299
Sheraton Chicago Hotel and Towers	1.5 Miles	\$249 to \$279
Swissotel Chicago	3.1 Miles	\$254 to \$314
theWit, a member of the Hilton Family	3.0 Miles	\$259 to \$309
W Chicago Lakeshore	3.6 Miles	\$249 to \$349
Westin Chicago River North	4.0 Miles	\$269 to \$329
Westin Michigan Avenue Chicago (PMA HQ)	4.0 Miles	\$239 to \$289
Wyndham Grand Riverfront (formerly Hotel 71)	2.5 Miles	\$195 to \$245

* Quoted rates listed are for single rooms only and do not include tax. Additional fees may apply for double, triple and quad occupancy. Reservation requests and changes are subject to availability.

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A photograph of the Chicago skyline at night, with numerous skyscrapers illuminated and their lights reflecting on the water in the foreground. The sky is a deep blue, and the water is dark with bright yellow and white reflections.

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