NEW PRODUCT PREVIEW

A Sample of New Products Set to Debut at FABTECH 2014
NORTH AMERICA'S LARGEST METAL FORMING, FABRICATING, WELDING AND FINISHING EVENT

DEMONSTRATING OUR FUTURE

NOVEMBER 11–13, 2014
Georgia World Congress Center, Atlanta, GA USA

fabtechexpo.com
INTRODUCING FIBER LASER TECHNOLOGY FROM MITSUBISHI LASER

After nearly four decades of industry-leading innovation, our focus on new technology is still laser sharp. The new NX-F fiber laser series is the latest expression of this drive. It features an advanced beam, high-speed controls and preset autofocus processing head for fast, accurate production. It’s one more option for your fabrication needs—backed by the industry-leading technology, deep expertise and unparalleled support of Mitsubishi Laser.

To learn more visit www.mcmachinery.com
DEMONSTRATING OUR FUTURE

The future — your future — is on full display at FABTECH. From the latest trends and end-to-end solutions in metal forming, fabricating, welding and finishing to the industry’s leading education and peer-to-peer networking, this is your opportunity to capitalize on the future.

form knowledge
Talk to the technical experts and visionaries — and learn not only what’s new but what’s next. The long-term benefits of spending just a few days focusing on the big picture at FABTECH are unparalleled.

fabricate solutions
With 1,400+ exhibits and 100+ education opportunities, use FABTECH to expand your skill sets, learn new applications and uncover tools needed to improve quality, productivity and profitability.

weld relationships
Rub elbows with peers, collaborate with colleagues and meet potential partners at FABTECH, a dynamic, face-to-face center of activity. Here you’ll find all the key players in one place, at one time.

finish strong
FABTECH is where deals are made and serious business gets done around the clock. Make side-by-side product comparisons and uncover new ideas and solutions, all while saving time and money.
NEW PRODUCT PREVIEW
GENERAL SHOW INFO

WELCOME TO THE GEORGIA WORLD CONGRESS CENTER

Explore 550,000 net square feet of innovative technology across three halls.

FABTECH BLUES, BREWS & BBQ
This unique outdoor meeting area, connecting B and C exhibit halls, is the perfect place to take a break and make new connections.

Located in Hall A, the Additive Manufacturing/3D Printing Resource Center offers a close look at this innovative technology. Find an array of finished parts and observe a Stratasys 3D printer in action!

Sponsored by:

FIND PRODUCTS AND SOLUTIONS IN THE FOLLOWING TECHNOLOGY CATEGORIES

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

SHOW LOCATION
Georgia World Congress Ctr.
285 Andrew Young
International Blvd NW
Atlanta, GA 30313
gwcc.com

SHOW HOURS
Tuesday, November 11, 10:00 a.m. - 6:00 p.m.
Wednesday, November 12, 9:00 a.m. - 5:00 p.m.
Thursday, November 13, 9:00 a.m. - 4:00 p.m.

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 7, 2014 for complimentary show admission. SAVE $50!
MORE THAN WELDING.
METAL JOINING, SAFETY & EFFICIENCY

MIG • TIG • PLASMA • ROBO • LASER • SENSORS

ABICOR BINZEL focuses on the welder and technology that improves process efficiency and the work-lives of people. Visit us at FABTECH Booth C1344 and discover how ABICOR BINZEL makes factory life more enjoyable and efficient.

FABTECH Booth C1344
www.binzel-abicor.com
NEW PRODUCT PREVIEW

NEW PRODUCTS

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.

**NEW PRODUCT PREVIEW**

**NEW PRODUCTS**

**Arc Welding**

**ABICOR BINZEL**

Booth ................ C1344

**ABI-Shield Ceramic Protective Spray Anti-Spatter**

ABICOR BINZEL introduces its ABI-Shield Ceramic Protective Spray, an anti-spatter that creates a solid coating on consumables to prohibit the adhesion of spatter build-up.

**Allpro Machinery Inc**

Booth ............... A2952

**Welding Machine**

Allpro MIG 350/500 is an inverter welding machine which can provide maximum 350A/500A welding current with excellent welding performance.

**D/F Machine Specialties Inc**

Booth ............... C2461

**Water-Cooled MIG Pistol Gun Assembly**

The D/F Machine Specialties Water-Cooled Semi-Automatic Pistol Grip Gun is ideal for hand-held welding applications using hard/cored, stainless steel or aluminum wires ranging from .030” through 1/8”.

**ELCo Enterprises**

Booth ............... C2244

**PowerBall™ Torch Tips & E-Power™ Torch Liners**

ELCo Enterprises introduces its patent pending PowerBall™ Torch Tips & Diffusers and E-Power™ Torch Liners, engineered to prevent arc failures, reduce downtime and maximize conductivity.

**Lincoln Electric Co**

Booth ............... C2022

**Techalloy® X Nickel-Based MIG and TIG**

Lincoln Electric introduces Techalloy® X, a nickel-based MIG (GMAW) and TIG (GTAW) welding wire that delivers oxidation and corrosion cracking resistance as well as high-temperature strength for the petrochemical applications and aerospace applications.

**Praxair Inc**

Booth ............... C3134

**ProStar Stainless Weld Heat Tint Remover**

Praxair’s ProStar™ Stainless Weld Heat Tint Remover is a fully biodegradable treatment for the removal of chromium oxide and heat tint from stainless steel. It contains no free hydrofluoric acid.

**Realityworks**

Booth ............... C2541

**guideWELD Real Welding Guidance System**

RealCareer guideWELD real welding guidance system is a welding solution to create more effective welders efficiently. It provides immediate in-helmet feedback on core aspects of welding technique — speed, work and travel angle, during live arc welding.

**OTC DAIHEN Inc**

Booth ............... C2722

**FD Seven-Axis Robot Arm**

The FD Series robot model (FD-B4S) can drastically increase the degree of freedom in the manipulator position. This robot allows users to save time in teaching due to the minimized interference of the cables with peripheral equipment.

**Praxair Inc**

Booth ............... C3134

**ProStar Stainless Weld Heat Tint Remover**

Praxair’s ProStar™ Stainless Weld Heat Tint Remover is a fully biodegradable treatment for the removal of chromium oxide and heat tint from stainless steel. It contains no free hydrofluoric acid.

**Realityworks**

Booth ............... C2541

**guideWELD Real Welding Guidance System**

RealCareer guideWELD real welding guidance system is a welding solution to create more effective welders efficiently. It provides immediate in-helmet feedback on core aspects of welding technique — speed, work and travel angle, during live arc welding.

**EVENT INFO AT YOUR FINGERTIPS**

- Exhibitor List
- Interactive Maps
- Session Schedule
- My Planner
- Show News and Updates

**Mobile App Sponsored By:**

[Image of MADA logo]
**Assembly**

**Flexarm Inc**
Booth ........... B1030

Hydraulic Tapping Machine

Tap up to 1” off-line with the powerhouse hydraulic tapping system from FlexArm. The production machine comes complete with a power pack, automatic depth control, programmable pitch & depth (no gearbox) and table.

**Bending/Forming**

**Boldrini srl**
Booth ........... B4515

Super High Speed Dishing Press

Boldrini introduces its Super High Speed Dishing Press; PAO 200 x 3600.

**Boschert Precision Machinery Inc**
Booth ........... B3413

Quick Bend CNC Press Brake

The Quick Bend high speed Press Brake from Boschert combines accuracy, speed, low power consumption and low noise levels to offer a completely new precision bending option. Included are hybrid hydraulics with up to 80% energy savings.

**Bystronic Inc**
Booth ........... B2225

Xpert and Xcite Press Brakes

With unique features like ByVision Bending control, Voice Control, Part ID and innovative Bystronic Tooling and clamping systems, Xpert and Xact press brakes offer unmatched efficiencies and productivity capabilities.
The 4RH CNC Direct Radius Input CNC Controls provide direct radius material setup and programming. Input radius, diameter, or arc length. Select from industry standard shapes. USB ports, SSD slot, Windows XP.

Eagle Bending Machines Inc
Booth ...........  B4713
ATSC Stair MAX Spiral Stair Roll Bending System

The ATSC Stair MAX Spiral Roll Bending System mounts to CP Series roll bending machines, with benefits that include; machined steel construction, ATSC support bracket with pivot & fulcrum arm advantage and numerical trust position.

RAS Systems LLC
Booth ........... B1947
RAS MiniBendCenter

The MINibend Center is an automatic folder for small parts. Part sizes range from 1.97” x 1.57” to 23.6” x 23.6”. Material thickness starts at 11-gauge mild. Loading, folding and unloading are automatic. The machine is servo-electric.

Schwarze-Robitec GmbH
Booth ........... B4625
Machine Controls

The easy-to-operate machine control from Schwarze-Robitec clocks the individual working steps synchronous for time-optimized production.

Unison LTD
Booth ........... C564
Evbend: EB1000

The Evbend EB1000 is a high precision, CNC controlled manual operated bending machine suitable for bending tubes up to 22mm OD, ideal for low volume production and prototypes in demanding applications.

Wila USA
Booth ........... B2700
E2M Easy-To-Move for Fast Tool Change

Wila’s patent pending E2M Easy-To-Move system of incorporating roller bearings in the tool tangs makes it fast and effortless to roll heavy punches and dies in and out of the press brake.

COE Press Equipment
Booth ........... B1624
Heavy Duty (HD) Straightener Series

COE Press Equipment offers new design processes AHSS and other high yield strength steels. Improved work roller design, tighter roll spacing, increased roll depth penetration. Increased roll force delivery, stronger gears and bearings, improved straightener roller backup device.

Business Services
Atlatl Software - Sales Resource Planning (SRP) | 3D CPQ + CRM
Booth ........... B1841
3D CPQ + CRM Software

Atlatl Sales Resource Planning™ (SRP™) Software is a 3D enterprise solution to leverage human interface design and mobile technologies.

Fabricators & Manufacturers Association
Booth ........... B4933
Metal Fabrication BASICS Certificate

This certificate for students enrolled in precision sheet metal fabrication at community colleges and technical schools is designed to be incorporated into a schools’ existing curriculum, and will complement the classroom and practical instruction.

SME
Booth ........... B4947
Thermal and Abrasive Waterjet Cutting

Part of the Fundamental Manufacturing Processes video series, this program provides a comprehensive introduction to the three most commonly used thermal cutting processes - oxy-fuel, plasma, and laser - and examines the best applications for waterjet cutting. See the advantages and disadvantages of each process and learn how to choose the most effective method based on the type of material and cut intricacy.
**Coil Processing**

**Herr Voss Stamco**  
Booth .......... B2431  
**High Strength Slitting Technology (HS2T™)**

Herr-Voss Stamco’s technology for slitting Advanced High Strength Steels (AHSS) helps enable the automotive OEMs to meet the C.A.F.E. requirements through weight reduction. HS2T™ has been tested and accepted for slitting automotive AHSS.

**Philpott Rubber /Lankhorst Mouldings**  
Booth .......... B1040  
**KLP CoilWedge System**

The KLP CoilWedge System is made from recycled plastics, can achieve two level stacking and is designed to have the bottom of the coil fully supported reducing coil damage.

**Cutting**

**Amada**  
Booth .......... B2503  
**ENSIS 3015 AJ**

Leveraging a highly innovative resonator, the ENSIS 3015 AJ is a 2kW fiber laser cutting system that provides 4kW cutting capabilities.

**American Torch Tip Co Inc**  
Booth .......... C2962  
**PHD X® Series Plasma Torch**

The 260 PHD X® Plasma Torch is designed to run cooler and last longer. The conversion kits make replacing high-amp plasma system easy, and are covered by a 100% guarantee trial program.

**Detroit Torch and Manufacturing Company**  
Booth .......... C3538  
**The Detroiter**

The Detroiter is a heavy duty straight cutting torch, made in the U.S.A. with a lifetime warranty. With the right tip this torch can obliterate 12 inches of steel.

**E. H. Wachs**  
Booth .......... C2632  
**LDSF Tool Slides and Tooling**

E.H. Wachs has developed a new system of tool slides and tooling used in conjunction with its Large Diameter Split Frame (LDSF) that offer a complete portable machining solution.

**Hypertherm Inc**  
Booth .......... B3147  
**XR Consumables for ESAB PT-36**

Hypertherm’s Centricut brand is unveiling XR consumables for ESAB PT-36 plasma cutting systems. The offerings include a full line of consumables for ESAB m3 plasma cutting with the XR process. Like all Centricut products, the consumables are manufactured to exacting standards with patented SilverLine and CoolFlow technologies for exceptional, repeatable cut quality.

**Messer Cutting Systems**  
Booth .......... B3911  
**EdgeMax**

The EdgeMax by Messer Cutting Systems is a compact machine with a rugged unitized steel table / frame, full capture bearing assemblies and a low-mass aluminum beam.

**ESAB Welding & Cutting Products**  
Booth .......... C2444  
**SGX**

ESAB’s SGX, a compact, automated cutting machine for plasma and oxy-fuel cutting, carries up to three tool stations, including up to two oxy-fuel torches and one plasma station that can be equipped with ESAB’s m3-IGC Precision Plasma System.

**Flame Technologies Inc**  
Booth .......... C1651  
**Scorpion EZ-Cut**

Flame Technologies Inc introduces its Scorpion EZ-Cut™ System. The EZ-Cut™ offers hand held oxy-fuel torch operation with machine-quality precision cutting results at an affordable price.
**Cutting**

MultiCam Inc  
Booth .......... B5031  
3000 Series Fiber Laser

MultiCam’s latest 3000 Series Fiber Laser is engineered for rapid and accurate processing of sheet metal with ultra low energy consumption, extremely fast cutting capability and minimal maintenance.

The RDI Group  
Booth .......... B2133  
Coil-Fed Fiber Laser Blanking System

Featuring 1, 1.5 or 2 meter widths, RDI’s Coil-Fed Fiber Laser Blanking System cuts metal parts five times faster compared to CO2 lasers. With a projected fiber laser life of up to 100,000 hours, this system easily and continuously cuts from coil.

Tri Tool Inc  
Booth .......... C1304  
600 Series RBL-G2

Tri Tool’s next generation RBL-G2 Clamshell Lathe is designed with safety as a top priority.

Victory Plasma Systems  
Booth .......... C3314  
Hypertherm, Integrated Cutting and Gantry Systems

Victory Plasma Systems offers Hypertherm plasmas, lifters and software. Integrated pipe cutters and beam wells available on cut beds. Gantry systems available up to 20’ x 100’.

**Finishing**

AFC Finishing Systems  
Booth .......... B929  
Airflex Sweeper Abrasive Recovery Floor

The Airflex Sweeper Abrasive Recovery Floor is designed for blast rooms and may be used with a wide variety of abrasives. System automatically recovers abrasive from beneath the operators’ feet, effectively providing them with an endless supply.

AM Machinery Sales Inc  
Booth .......... B2400  
Hand-Operated Grinder

AM Machinery Sales Inc. introduces its Swing Grinder for deburring laser-cut and punched parts. The Swing Grinder can offer improved speed, three to four times faster than manual deburring.

Anest Iwata USA Inc  
Booth .......... B300  
LPH300-LV

Ideal for industrial finishing applications, the LPH300-LV is flexible, lightweight and compact.

Argon Masking Corp  
Booth .......... B434  
Cohesive Paper

Cohesive paper is a low versatile packaging material with a cohesive coating on the inside.

Bulk Chemicals Inc  
Booth .......... B628  
ZIRCA-SIL® MS3

Bulk Chemicals Inc introduces its Zirconium cleaner/coater.

Calvary Industries Inc  
Booth .......... B317  
ADVANTECH M670

ADVANTECH M670 is a zirconium pretreatment designed for manual application through a pressure spray wand. It cleans and coats in one step and can be dried in place without flash rusting, eliminating the final rinse.

Caplugs  
Booth .......... B706  
Rubber Masking Cap-Plug

Caplugs RMCP series is designed to mask standard-sized copper inlet and outlet tubes on HVAC compressor units. This one-of-a-kind cap-plug eliminates the need for two parts during the masking and pressure testing processes.

Eisenmann Corp  
Booth .......... B336  
E-Cube

Eisenmann’s E-Cube paint separation system uses an intelligent filtration method to remove overspray from the air. It is efficient, simple to use, suitable for systems of all sizes and operates without the need for chemicals, water or other additives.

EPSI (Engineered Products & Services Inc)  
Booth .......... B604  
LTP Liqui-Tite™ Plugs

Innovative LTP Liqui-Tite™ Plugs provide the best way to seal threaded holes. Benefits include; self sealing, fast and easy, versatile, durable and a perfect fit.
Gema USA Inc
Booth ............... B641
OptiFlex® Automatic Gun

Gema’s OptiFlex® Automatic Gun offers high transfer efficiency, reproducible coating results and the control of all gun parameters. Designed to do one thing, the OptiFlex Automatic gun delivers the right powder cloud for any given application.

Hubbard-Hall Inc
Booth ..........  B555
Aquastrip ACB

The Aquastrip ACP allows removal of a wide array of coatings in sheets, making it easy to filter bath and save time and money.

Kent Corp
Booth ..........  B1329
Burrmaster Deburring Machine

The Burrmaster brush deburring machine automatically deburrs the ends of mitre cut and bent tubes. This machine uses a unique dual action movement to give a high quality, consistent finish around the complete periphery of the tube.

KMI Systems Inc
Booth .............. B803
Hoist Systems

KMI Systems Inc introduces its hoist systems which can be used in pretreatment and E-Coat systems.

Kremlin Rexson - EXEL North America, Inc.
Booth ............. B347
NANOGUN MV - Manual Electrostatic Low Pressure
EXEL North America, Inc.

Magic Rack/Production Plus Corp
Booth .............. B615
Heavy-Duty Finishing Racks

Custom-made in the USA, heavy-duty large parts finishing racks offer 600 pound capacity with removable dolly, handle, crossbars and hooks. Great for off-line loading/unloading, transporting & cleaning. High-temperature casters for curing ovens.

Mercer Abrasives
Booth ..........  C2538
Ceraflame

Mercer Abrasives introduces Ceraflame, high performance ceramic grain abrasives.

MetoKote Corp
Booth ............. B911
Process Monitoring and Control (PMC)

To continually deliver quality parts, Process Monitor and Control assures customers that coating processes are monitored 24 hours, 7 days a week from anywhere around the world by MetoKote technicians via viewable dashboards and inline sensors.

Midwest Finishing Systems
Booth ............  B425
Coat-N-Cure Modular Powder Coating Systems

Coat-N-Cure® is an entry-level system designed with a manual coating booth, energy efficient convection cure oven, and a complete conveyor system. This allows users to establish themselves in powder coating quickly and cost effectively.

Nordson Corp
Booth ............. B715
Diaphragm Pumps

Nordson Corp introduces its complete line of diaphragm pumps for liquid painting applications.

Norton Abrasives
Booth ..........  C1606
Norton Gemini RightCut Wheels


Osborn
Booth ..........  B640
Crimped Rectangular Filament ATB Line

Osborn announces its crimped rectangular filament in silicon carbide and aluminum oxide on a complete line of ATB brushes. The filament offers an ideal blend of aggression, flexibility and conformability for a variety of finishing applications.
Parker Ionics introduces the latest in advanced Corona charging technology using its patented Pulse Power II in the GX8500 series of powder coating hand gun units.

Pearl Abrasive Co

The Pearl EXV™ MAXIDISC™ is designed for grinding, blending and finishing on a wide range of metal and stainless steel applications.

PPG Industries Inc

Powercron EPIC™

Powercron EPIC™ electrocoats are a line of next-generation, cationic-epoxy products formulated with a metal-free catalyst that helps manufacturers cut energy use and comply with emerging environmental regulations.

Richards-Wilcox Inc

Richards-Wilcox MonoCart Floor Mounted Conveyor for medium duty applications features adjustable guidance rails that allow for horizontal and vertical adjustments to increase cart stability.

Rosler Metal Finishing USA LLC

Rosler Roller Conveyor Shot Blasting Systems are perfect for descaling, removing rust and paint removal, and general cleaning, and sized to handle metal sheets, pipes/tubes, I-beams, channels and angles.

Therma-Tron-X Inc

TTX® Cabinet Washers feature small footprint with all the attributes of a traditional pretreatment system.

Transmet Corp

Transmet Corp offers its Cast Zinc Shot Blasting Media.

Walther Pilot North America LLC

Walther Pilot North America LLC introduces its spray gun for two-component water-based adhesives. Features stainless steel wetted parts/material passageways and a PTFE-coated gun body. Custom air cap can be positioned for horizontal or vertical spray and allows for fan pattern adjustments.

Gases & Gas Equipment

For high-pressure applications, WITT offers two models (one with a max operating overpressure of 300bar/4350 psi) in its current 600H & 800ES series. The compact dimensions and position-independent installation enable a broad spectrum of applications.

Chart Inc

A versatile and flexible solution for temporary gas applications and small liquid delivery requirements of oxygen, nitrogen and argon for immediate use in a wide range of gas applications such as construction sites, welding jobs, or as a backup system.

WITT Gas Controls

The Dewar Drop is a portable gas delivery tool that can be used on-site to deliver gas at 4 or more flow rates simultaneously, for those customers who use dewars.

Uniweld Products Inc

Uniweld introduces its FAST-GROW™ CO2 Flowmeter with solenoid and built-in electrical plug and 110V/50Hz solenoid valve to increase the plant growth.
**Hydroforming**

**Interlaken Technology**  
Booth .......... B1814  
**Hydroforming Production Press System**

The Interlaken Technology high-volume production Hydroforming Press System offers increased throughput and reduced cycle time.

---

**Inspection & Testing**

**Oasis Scientific Inc**  
Booth .......... C931  
**ViTiny UM08 HDMI Digital Microscope**

With 60 fps frame rate for 2MP images, ViTiny UM08 is fast to deliver high definition live videos through HDMI cable to a monitor. With remote control and autofocus, it is a great tool for quality inspection, research and development, and education purposes.

---

**Job Shop/Contract Manufacturing**

**Faspro Technologies Inc**  
Booth .......... B5068  
**Photochemical Etching**

Photochemical Etching is a process to fabricate complex metal components quickly and efficiently. Faspro Technologies primarily uses this process to produce blanks.

---

**Lasers**

**Amada**  
Booth .......... B2503  
**LC 2515 C1 AJ**

The LC 2515 C1 AJ is a revolutionary punch/fiber laser combination machine that’s equipped with a Multi-Purpose Tool (MPT) turret to ensure maximum productivity while reducing secondary operations.

---

**CY-Laser SrL**  
Booth .......... B5065  
**CY2D L3015**

Cy-laser top product L3015 fiber laser cutting system is equipped with the latest Cy-laser cutting technology and has been restyled and optimized to fulfill even the most demanding production requests.

---

**Dinse Inc**  
Booth .......... C2037  
**AFD Laser Push-Push Laser Wire Feeding System**

Dinse Inc. introduces its push-push laser wire feeding system including monitoring. The system utilizes four drive rolls providing for precise feeding and positioning of the wire.

---

**Durma USA**  
Booth .......... B3501  
**HD-FL Generation II Linear Fiber Laser**

Durma's second generation HD-FL Linear fiber laser features high positioning and cut speeds as well as reduced maintenance and operating costs.
Lasers

Ermaksan Mak. San ve Tic. AS
Booth .......... B3461
FIBERMAK MOMENTUM GEN-2

FIBERMAK MOMENTUM GEN-2 offers perfect fast cutting at high speeds with CNC control. A game changing thought with modern & ergonomic design offering perfect cut, excellent speed and high performance.

II-VI Infrared
Booth .......... B3114
Cover Slides
II-VI Infrared introduces its Cover Slide for Fiber and YAG Lasers.

Innovative Tube Equipment Corp
Booth .......... C745
TTM FL170 3D FIBER Laser Tube Cutting Machine

The TTM FL 170 3D FIBER Laser tube and profile cutting machine can be used to cut round, square and rectangular tubes as well as wide flange beam and open profiles ranging from 1/2” to 6.6” OD and up to 13 foot in length standard or 16.8 lb/ft.

Laser Mechanisms Inc
Booth .......... B4424
FiberCUT™ 2D Processing Head

Laser Mechanisms introduces its FiberCUT™ 2D processing head that delivers cutting-edge performance for flatbed cutting systems up to 6kW.

LVD Strippit
Booth .......... B3103
Adaptive Laser Cutting
ALC technology automatically optimizes laser cutting results in thicker mild steel materials using a dynamic feedback system to monitor and regulate laser power, speed and assist gas pressure in real time during the cutting process.

Mazak Optonics Corp
Booth .......... B3525
OPTIPLEX 3015 Fiber With Zeta-7 Cutting Head

Mazak Optonics Corporation introduces its OPTIPLEX 3015 Fiber laser-cutting system with a Zeta-7 cutting head and Preview 3 Control.

MegaFab-Piranha-Whitney-Bertsch
Booth .......... B2825
3g Whitney Fiber Laser

Whitney’s 3g line of fiber lasers provides the optimum combination of cutting speed, new technology and simplicity to increase the profit margin of manufacturer and contract shops alike.

Mitsubishi
Booth .......... B1925
NX-F KW Fiber Laser

Mitsubishi introduces its NX-F 4000W Fiber laser. Fusing its laser processing machines, rich history and technical prowess, with an advanced fiber laser beam, Mitsubishi evolves laser processing to a new level. The NX-F 3015 comes standard with a fiber laser resonator and a Z axis linear drive, a new preset autofocus head and a safety cover. The Mitsubishi 700 series control with 64 Bit NC and a 15 inch touch screen NC panel is the latest control from Mitsubishi.

Prima Power North America Inc
Booth .......... B2725
PLATINO® Fiber 2D Laser

The Prima Power PLATINO® Fiber 2D laser cutting machine combines state-of-the-art efficient and ecological fiber laser technology, with the proven reliability and flexibility of the PLATINO® platform.

Rhino Cutting Systems
Booth .......... B5260
Rhino Fibre Laser Cutting Machine

The Rhino Fibre Laser Cutting machine is a high performance, low cost, flying optic 2D laser cutting machine.

Richardson Electronics Ltd
Booth .......... B2129
CO2 Laser Replacement Bellows

Richardson Electronics offers more than a dozen replacement bellows which include round bellow designs. These bellows are suitable for use in CO2 lasers made by Bystronic® and TRUMPF®.
NEW PRODUCTS

Lasers

TRUMPF Inc
Booth ............. B1903

TruLaser 2030 Fiber
The TruLaser 2030 fiber offers fabricators high cutting speeds at a low cost. Equipped with a 4kw TruDisk solid-state laser, the TruLaser 2030 fiber cuts a variety of material types and thicknesses, and easily processes non-ferrous metals such as copper and brass. Designed and built in the United States, this 5x10 foot machine features an 8 position nozzle changer and a completely new frame design both of which contribute to the machine’s rigidity and productivity.

TruLaser Robot 5020
The TruLaser Robot 5020 from TRUMPF is the perfect entry into laser welding for job shops and OEMs. It is a turnkey system that can be easily integrated into a laser network, effectively “sharing” a resonator with another machine, such as a 2D laser. The ability to laser network minimizes the financial investment while increasing the utilization rate of the beam source. Its modular construction can be customized to meet customer requirements.

Virtek Vision International
Booth ............. B4025
IRIS (SPS)
The Iris™ Spatial Positioning System by Virtek Vision International guides workers through the assembly process by locating hardware in 3D space, quickly locking onto CAD datum references and employing lasers to project exact placement positions on the work piece.

DuBois Chemicals
Booth ............. B741
Pearl-Z Bactericide-Free Metalworking Fluid
DuBois Chemicals
Pearl-Z bactericide-free metalworking fluids contain no bactericides, eliminating chemicals with potential health and skin irritation concerns while improving overall performance.

Lubrication

Fuchs Lubricants Co
Booth ............. B1017
Synthetic Stamping Lube Safe on Zinc Coated Steel
Eco Draw EG40 is a synthetic stamping lubricant safe on zinc coated steel, compatible with galvaneal and galvanized steel and can be used to form uncoated steel and aluminum. It inhibits galvanic corrosion and black staining.

Irmco Inc
Booth ............. B5235
Synthetic Lubricant for Galvanized Metals
Irmco Inc introduces its IRMCO FLUIDS® 300 series, the first non-oil lubricant for galvanized metals. This synthetic lubricant is highly dilutable, it improves tool wear, reduces consumption, provides less downtime, and less washer usage without staining or increasing corrosion.

Material Handling/Marking

Bluco Corp
Booth ............. C1730
Modular Fixturing
Bluco Corporation specializes in modular fixturing for machining, welding, inspection and assembly.

Buffalo Shrink Wrap
Booth ............. C3428
50 Foot Wide Shrink Wrap
Buffalo Shrink Wrap offers shrink wrap from 10 to 50 feet wide for effectively protecting large items during shipping and storage.

Combilift USA
Booth ............. C523
Combi-WR4
Combilift introduces its Combi-WR4, the first 4-directional pedestrian reach truck that the company has launched. The Combi-WR4 recently won the UK Fork Lift Truck Association Awards for Excellence in the Ergonomics category.
DE-STA-CO
Booth ........... C3666
Robohand G100 Series Pneumatic Grippers

The G100 Series Grippers are designed to provide machine builders and OEMs with higher-quality, low-maintenance grippers for cost-sensitive applications. Built to higher standards to deliver longer-lasting performance with reduced warranty claims.

InfoSight Corp
Booth ........... B3552
Laser Tag Printer

InfoSight Corp offers a more powerful laser available on its popular laser tag printer.

LA-CO Industries/Markal
Booth ........... C1602
DURA-INK WashAway

LA-CO Industries/Markal introduces its wash removable ink marker for temporary marking.

Rocklin Manufacturing Co
Booth ........... B3410
FlyMarker Pro

The FlyMarker Pro is a portable battery operated dot peen marking system. The unit only weights 10 pounds and operates on a 36 volt Lithium Ion battery.

Sakura of America
Booth ........... C93
Solid Marker(R) Low Temperature

Solid Marker Low Temperature is a solid-paint marker for cold temperature environments. Working temperature range -40 to 212 degrees F (~-40 to 100 degrees C). Marks on almost any surface, indoors or outdoors, smooth, rough or wet. Non-toxic.

Zund America Inc
Booth ........... B5369
S3 With Robotic Off-Load

Zund integrated a robotic off-load arm with its S3 line of multi-functional cutting systems. The S3 is designed for non-stop cutting/converting a wide range of materials commonly used in many different prototyping & manufacturing applications.

Big Ass Fans
Booth ........... B1641
High Bay LED

Big Ass Fans offers its long-lasting and durable LED fixture. Engineers combined light quality, energy efficiency and cutting-edge technology into a single fixture, the Big Ass High Bay LED.

George Koch Sons LLC
Booth ........... B515
Rejuvenator Cleaner Ultra Filter

The KOCH Rejuvenator is designed to continuously clean your cleaner bath up to twice as often as your current tank dumping operation for under 25% the operating cost.

Ocean Machinery Inc
Booth ........... B4647
Ocean Avenger PLUS

The Ocean Avenger PLUS can drill, mill, countersink, tap & mark. The Ocean Avenger PLUS is 1/2 the floor space of traditional beam lines, costs half the price and can offer two times the versatility.

Radyne Corp
Booth ........... C3361
VersaPower®-Xtreme™

VersaPower®-Xtreme™ Induction Power Supply with Digital IQ™ Intelligent Controls is an advanced induction designed for today's modern networked manufacturing environments.

Tapeswitch Corp
Booth ........... B1546
Machine Guarding Safety Laser Scanner

Tapeswitch Corporation offers a programmable (PC-based), miniature, CAT 3 SIL2, PLaD, Laser Class 1, Type 3 safety laser scanner for simple through complex machine guarding applications in one unit for machine builders/user applications.
Tri-Mer Corp
Booth ........... B4978
Polypropylene Tanks

Voortman Corporation
Booth .......... B3701
Voortman Experience Center

Plate & Structural Fabricating
Alfa USA LLC
Booth .......... C3237
TML Lifting Magnet

Farley Laser Lab
Booth .......... B3761
Trident - Combination Drilling & Plasma Cutting

Specializing in the design, manufacture and installation of polypropylene process tanks for heavy-service use. Tri-Mer corp engineers and fabricates the widest range of 1 inch solid polypro tanks for industrial and process applications.

The Voortman Experience Center introduces its showroom where Voortman Steel Machinery is combined with a high-tech academy for engineers and machine operators, both internally and externally.

With patented technology by ALFRED Raith, Hockenheim Germany, the TML Lifting Magnets lift thin and thick materials using the same magnet.

The Trident is a multi-torch cutting machine designed to deliver precision, high definition plasma & oxy-fuel cutting and drilling. The Trident is suited to high volume cutting environments such as shipyards, steel service & distribution centers.

T-DRILL Industries Inc - 1740 Corporate Drive, Norcross, GA 30093
Tel. 770-925-0520 - Fax. 770-925-3912 - T-DRILL@T-DRILL.COM - WWW.T-DRILL.COM
Plate & Structural Fabricating

Permadur Industries Inc
Booth ........... C2457

Magnetic Plate Handling Systems

Permadur designs and builds Magnetic Plate Handling Systems for suspension on both fork truck and single/double hook overhead cranes using its patented electrically controlled permanent lifting magnets.

Press Brakes

Advanced Manufacturing Solutions LLC
Booth ............ B2262

Press Brakes

Fiessler Elektronik Safety
Foot Switches

A sturdy construction and improved contact modules characterize these foot switches. All contact terminals are new screw terminals which supports an easy connection of the wires.

Amada
Booth ............. B2503
HG 1003 ATC

Punching

Salvagnini America Inc
Booth ........... B3125

B3 Hybrid
Press Brake Series

The B3 is Salvagnini’s latest technology-driven press brake. Combining direct drive electric motors for speed and new hydraulics for power, the B3 significantly reduces cycle times while providing an exemplary, repeatable level of accuracy.

TRUMPF Inc
Booth ........... B1903

TruBend 3100

The TruBend 3100 press brake with its closed frame design achieves higher precision while allowing deep bends along the entire working length of the machine. It features an intuitive new machine control with 3D graphics and a 17 inch multi-touch screen. The BendGuard Block Laser safety system, included as a standard feature, is the latest technology in press brake operator safety.

TRUMPF Inc
Booth ........... B1903

TruPunch 2000 with SheetMaster Compact

The TruPunch 2000 features a completely new tabbed sheet automation concept in the SheetMaster Compact, enabling fabricators to add automated punching to their operations within a small footprint. With TRUMPF’s standard all-tool rotation, quick set up and tool changeover, and 0.25 inch capacity the TruPunch 2000 is a highly productive machine with low investment requirements.

Resistance Welding

Dengensha America Corp
Booth ............ C2216

WS-100 Hand Held Weldscope

Dengensha America Corp introduces its Hand Held Weldscope, a complete resistance welding process control.

Sunstone Engineering
Booth ............. C99

UC Linear DC

Sunstone offers a closed-loop feedback resistance welding system. Utilizing innovative technologies, the UC Linear DC welder has the power of a high-frequency inverter and the precision of a Linear DC.

Robotics

Amada
Booth ............ B2503

The EG 6013 AR is an automated robotic bending cell engineered to be the ideal high-speed solution for small, complex parts.
ATI Industrial Automation
Booth .......... C1650
Lateral and Pivoting Compliance Devices

ATI Industrial Automation introduces its series of compensators (patents pending) that allow compliance in multiple directions.

Crum Manufacturing Inc
Booth ............. C561
UR5 Collaborative Robot-Vision Guidance

Automate production from capping jars to packing parts or solving ergonomic issues using a low-cost robotic arm. Ability to be installed without shielding. Vision Camera can be integrated for an application needing more robust, consistent results.

Gudel Inc
Booth .......... C1356
Trackmotion TMO

GÜDEL introduces next generation overhead tracks for Robots. Trackmotion TMO family delivers increased performance and reliability across the broadest product range.

igm Robotic Systems Inc
Booth .......... C1556
Control and Teach Pendant K6

igm Robotic Systems Inc introduces its series of teach pendants for igm robots. The main features include 8.4” touch screen and presentation of torch exchange.
Robotics

**Servo-Robot Inc**
**Booth** ............ C1222
**i-CUBE**
Powerful Integrated Robot Sensor Unit designed to be easily installed on articulated robots. Provides 3-D high speed and high precision part measurement, remote HDR color viewing of the work piece and tool area, sound monitoring, feature recognition etc.

**Wolf Robotics LLC**
**Booth** ........... B1903
**SmartPositioners**
Wolf Robotics offers a complete line of standardized positioning equipment for manual welders. Capable of positioning parts 500 to 140,000kgs. SmartPositioners safely and quickly manipulate weldments for optimum welding comfort, access and position.

Safety & Environmental

**Imperial Systems Inc**
**Booth** ............ B4447
**CMAXX Dust and Fume Collector**
The CMAXX Cartridge Dust Collector provides cleaner plant air, an its filter life is up to twice as long as the industry standard. The maximized efficiency and lifespan is a standard among Imperial’s dust collection systems and supplies.

**Kimberly-Clark Professional**
**Booth** ........... C1704
**JACKSON SAFETY® W40 INSIGHT ADF Welding Helmet**
The JACKSON SAFETY® WH40 Insight® Welding Lens offers an ADF with digital and multi-function controls for any welding job.

**Lincoln Electric Co**
**Booth** ............ C2022
**VIKING™ Next Generation Auto-Darkening Helmets**
VIKING™ Auto-Darkening Helmets feature a top EN 379-1/1/1 optical clarity rating, comfortable pivot-style headgear and an industry-leading three-year warranty.

**Miller Electric Mfg Co**
**Booth** ............ C2744
**FILTAIR® Capture 5 Fume Extraction System**
The FILTAIR Capture 5 system is designed to capture welding fumes up to 5 feet away from the source, over three times farther than conventional technologies.

**Optrel AG**
**Booth** ............ C3562
**weldcap**
The Optrel weldcap combines the lightweight wear comfort of a baseball cap with the full protection of an ADF welding helmet.

**SICK Inc**
**Booth** ........... B3051
**Flexi Loop Safety Controller Node**
The Flexi Loop safety controller node can cascade up to 32 safety switches and OSSD safety sensors onto one loop. It uses a single cable with an M12 plug to connect e-stops, sensors, switches, lamps, pushbuttons and interlocks.

Saws & Cut-off Machines

**Behringer Saws Inc**
**Booth** ........... B3325
**HCS-90E**
The HCS-90E meets high production demands while minimizing the need for operator attendance. A fully automatic high-performance circular cold saw, the HCS-90E is designed for cutting ferrous material at 90 degrees in maximum yield applications.

**Cosen Saws**
**Booth** ............ B4147
**C-510MNC Mitering Programmable Bandsaw**
The C-510MNC comes equipped with an 1 1/4” blade and automatic material feed. The saw can cut at angles up to a 60 degree miter. It has a capacity of 13” x 20” with a massive base, sturdy saw frame, and a 5 HP blade drive.
Saws & Cut-off Machines

Hyd-Mech Group Ltd
Booth .......... B2847
H-14A Band Saw

Rigid cast assembly reduces vibration resulting in the lowest decibel sound in the industry. Designed for high production cutting with a carbide tipped blade. Enclosed design for safety and on demand energy saving hydraulics.

Noritake Co Inc
Booth .......... B5408
Thin Cut Master - NCS-230

Noritake Co Inc introduces its automatic circular sawing machine, NCS-230 allowing users to cut larger than 9" radial bar (over 6" square).

Scotchman Industries Inc
Booth .......... B4361
CPO 315 HFA CNC

The Scotchman HFA-CNC is fully programmable & cuts lengths fast & accurately. Cut up to 3-1/2" diameter tubes or pipe & up to 1-3/4" solid material, while maintaining a length tolerance of 0.006" per index.

Software & Machine Controls

AceCad Software
Booth .......... B5060
StruM.I.S True BIM Links

StruM.I.S provides True BIM links with 3rd party systems to access real time contract data. By querying the BIM model, users can obtain live purchasing status, production status and drawing approval status.

AMS Controls Inc
Booth .......... B5241
Pathfinder Edge

Pathfinder Edge is a web-based application that enables users to create, store, and send profiles to a Pathfinder-controlled folding machine.

IntelliFinishing, Inc.
Booth .......... B733
Paint System 3-D Simulation Software

IntelliFinishing, Inc. introduces its paint system 3-D simulation software.

Lantek Sheet Metal Solutions
Booth .......... B4405
Global Release 2014

Lantek specializes in CAD/CAM, Nesting, Manufacturing Execution and Enterprise software. Global Release 2014 offers hundreds of additional features for material conservation, efficiency and flexibility to increase production and better manage business.

Northrop Grumman
Booth .......... B5307
OpenTrac™

OpenTrac™, a Northrop Grumman business unit, offers Enterprise Resource Planning (ERP) software, Supply Chain Management (SCM) software, and EDI Translation (eCommerce) service for steel, aluminum, copper, or specialty metal manufacturers.

Schneider Electric
Booth .......... B5340
Modicon M221

The Modicon M221 is designed for machines with hardwired controller architectures. In addition to the standard format, it is also available in an extremely compact book format.

Shop Data Systems Inc
Booth .......... B3554
QuickCAM Pro

QuickCAM Pro offers the features needed to design, draw, nest and process parts for CNC cutting.

Striker Systems
Booth .......... B2125
Sheet Metal CAD/CAM & Nesting

Striker Systems offer comprehensive programming of CNC punching, cutting, and combination machine tools. Based on DWG and DXF formats, Striker also includes integrated support for SolidWorks, Solid Edge, & Inventor.

TJ Snow Co
Booth .......... C1150
AC Inverter Control

T. J. SNOW offers its AC Inverter Control for Resistance Welders.
AIDA-America Corp
Booth ............ B1601

**DSF Series Servo Presses**

AIDA- America Corp introduces its Direct Drive ServoFormers (DSF Series) Presses - 80-3,000 ton Servo Presses.

Greenerd Press & Machine Company Inc
Booth ............ B1355

**Hydraulic Presses**

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

JIT Automation Inc
Booth ............ B1530

**ESY Auto Traveling Die Clamp**

The ESY fully automated (non-touch) quick die change clamp provides a quick, easy and safe solution to today’s die changes in the metal stamping industry.

Ross Controls
Booth ............ B1107

**Automatic Counterbalance Control Assembly**

Automatic counterbalance control assembly for large straight side and transfer presses. This 1-1/4” counterbalance valve assembly features selectable manual and automatic circuits within one valve package for high flow operation and quick die changes.

Stamtec Inc
Booth ............ B1625

**Servo Press**

Stamtec offers both Direct Drive and Link-Assisted Servo Presses. Servo motors replace the standard motor, flywheel, and clutch / brake in an otherwise traditional crankshaft or link motion mechanical press for a wide variety of stroke profiles.

Strothmann Machines & Handling GmbH
Booth ............ A2627

**Compact Transfer**

Strothmann offers retrofit solutions for crossbar presses. Many companies continuously work to improve product quality, quantity and optimize plant efficiencies. Strothmann retrofitting an existing facility provides an economic alternative.

DAYTON Lamina Corporation
Booth ............ B1101

**LamCam™ Universal Cams by Lamina**

DAYTON Lamina Corporation offers a catalog line featuring 13 different series of aerial and die mount universal cams.

Hutchison Tool Sales Co
Booth ............ B1113

**HTS6300 Horizontal In-Die Tapping Head**

The HTS 6300 horizontally taps preformed parts in-press. These units are designed for parts unable to be tapped in the flat due to hole distortion or critical hole location after forming. The HTS 6300s are designed specifically to each application.

Ozmak Makina San Ye Tic LTD STI
Booth ............ B5104

**Shot Blasting Machines**

Ozmak Makina San Ye Tic LTD STI introduces its hanging type shot blasting machines for the Foundry, Automotive, Tube Manufacturing and Agriculture Machine manufacturing sectors.

Polymet Corp
Booth ............ C1006

**Thermal Spray Powder for HVOF**

Polymet offers thermal spray powder for High Velocity Oxy-Fuel (HVOF) systems. These HVOF tungsten carbide powder materials offer high density, low porosity, and high bond strength.

Bohler Uddeholm Corp
Booth ............ B1314

**K340 Ecostar**

Bohler introduces its K340 Ecostar, an 8 percent coatable chromium tool steel.
**Tool & Die**

**Pacesetter Systems**
Booth . . . . . . . . . . . . B1661

**Air Glide Heavy-Duty Pneumatic Die Lifters**

Pacesetter Systems introduces its Air Glide heavy-duty pneumatic die lifters.

**Tooling**

**BESSEY Tools North America**
Booth . . . . . . . . . . C2622

**Welding Table Clamps**

BESSEY® offers a selection of clamps designed for 28 mm matrix welding tables.

**Bystronic Inc**
Booth . . . . . . . . . . B2225

**Press Brake Tooling**

Bystronic Inc introduces its line of press brake tooling, with the Bystronic XPT and RF-A tooling series.

---

**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. Pre-purchase your individual lunch tickets to avoid the lines. Find the daily menu, pricing and order tickets at fabtechbistro.com.

---

**A More Efficient Surface**

Customers use Oerlikon Metco surface solutions technologies on their products and production tooling to extend the life cycle and performance of their equipment. They reduce costs and increase efficiency in their operations through decreased maintenance, less downtime and higher quality products.

- Corrosion Resistance
- Wear Protection
- Thermal Protection
- Electrical Conductivity
- Anti-Skid
- Low Friction
- Dimensional Control
- Surface Restoration ...And Much More!

See us at booth C1108. Fabtech, Nov 11-13. Atlanta, GA USA

www.oerlikon.com/metco
Tooling

Lenzke's Clamping Tools Inc
Booth ............ B1614
Multi-Quick 60 & 100 (Baby) Clamps

Horizontal & vertical adjustable range and high clamping pressure with low torque. Compact size offers all features of the larger clamps. Great fit for all smaller machines. Provide quicker, safer tool changes and are suitable for tapped holes or t-slots.

Mate Precision Tooling
Booth ............. B3301
Mate Press Brake Tooling

Mate's European precision and Wila TRUMPF style press brake tooling includes a full array of punches, dies, specials and accessories, available in segmented, full-length and half-length sizes.

Tube & Pipe Fabricating or Welding

Airgas Inc
Booth ............ C1334
Automated Can Joining System for Thin-Wall Tanks
Specially designed for the construction of various diameters of thin-wall tanks, ACJS® is fitted with independently-adjustable vertical-rolls to support, align and compensate for tank non-concentricity when assembling multiple thin-wall sections.

Arc Products
Booth ........... C2022
HELIX® C450 & C663 Orbital TIG Clamp-on Weld Heads

The HELIX C663 clamp-on weld head is designed for pipes and tubes with outside diameters of 1.9 to 6.63 inches, while the HELIX C450 clamp-on weld head is designed for 1.315 to 4.5 inches.

Exact Pipe Tools Inc
Booth ............. C123
PipeCut 170E

Powerful, lightweight and handy, the PipeCut 170E can be used for cutting both steel and plastic pipes. Because of its adjustable speed feature and steady torque, it is ideal for cutting stainless steel and cast iron pipe.

Fontijne Grotnes Inc
Booth .......... C714
Full Length Pipe Expander
Fontijne Grotnes is constantly improving the Full Length Pipe Expander to meet market demands such as higher outputs, increased wall thickness, higher material grades (up to X120), stricter out of roundness, and straightness tolerances.

HGG Profiling B.V.
Booth .......... B4061
Multi-Profile Cutting Machine (MPC)

MPC is a cost-effective and flexible solution for manufacturers that cannot afford dedicated pipe profiling machinery. It can be configured to cut pipes, box sections, angle bars, and flat sheet metal strips. ProCAM Software multiplies user capabilities.

Lillbacka USA
Booth .......... C744
Finn-Power Large-Opening, Side-Feed Machine

The Finn-Power SP5000 unique crimpers provide a crimping force of 500 tons to handle any thick wall, industrial hose, or pipe. Its crimping range is 0-210 mm.

Manchester Tool & Die Inc
Booth .......... C907
Manchester Servo Roll Former

Manchester Servo Roll Forming machine is an electric servo driven tube end forming machine for rolling or cutting grooves into tubing. This machine features no hydraulics.

Strong Hand Tools
Booth .......... C1132
BuildPro Adjustable Rests

BuildPro Adjustable Rests allows users to set stock of different sizes at a uniform height in modular fixturing.
**NEW PRODUCTS**

**Tube & Pipe Fabricating or Welding**

**Sumner Manufacturing Co Inc**  
Booth ........... C3145  
PFAST (Pipe Fitting Alignment System Technique)

PFAST is a revolutionary tool used in the alignment and fit-up of flanges, fittings, reducers, caps and pup joints. PFAST enables users to realize a 300% increase in production and quality of fit-ups.

**Thermatool Corp**  
Booth ........... C722  
HAZControl™ Technology High Frequency Welder

HAZControl™ Technology is available up to 1500 kW's. Thermatool's latest technology provides an industry first 1500kW High Frequency Welder that can weld at frequencies up to 300kHz.

**VERNON Tool**  
Booth ........... C2022  
MASTERPIPE® Mini Profiler

The Lincoln Electric MASTERPIPE Mini Profiler is an economical, entry-level dual-axis CNC pipe-cutting solution that can cut pipe up to 24 feet long with expansion modules.

**Wauseon Machine & Manufacturing Inc**  
Booth ........... C545  
1001EL End Forming Machine

This one hit electric end former has an extended 8” of stroke, ideal for shell/bead locking. The electric machines offer benefits like shorter cycles, a better CPK, and can be equipped with a servo flag stop for quicker, more precise setups.

**ASMAG GmbH**  
Booth ........... C608  
Tube Straightener

The ASMAG 10-roll tube straightener is a technical specialty for precision steel tube production. Tubes are straightened with high speed and precision. Simple machine operation and good visibility of the straightening process are additional benefits.

**Protech Powder Coatings**  
Booth ........... B247  
WATERARMOR™

Protech Powder Coatings introduces its functional Thermoplastic coatings for water pipes and fittings.

**Seuthe GmbH**  
Booth ........... C608  
Advanced Tube Mill Technologies

SEUTHE offers advanced technological solutions and production systems for the manufacture of tubular products. A broad range of tube mills concepts up to OD 16 inches for round, square, rectangular carbon and stainless steel tube products.

**T&H Lemont**  
Booth ........... C529  
WU45M Welded Coil Tubing Mill

T7 H Lemont introduces its Welded Coiled Tubing Mill for the production of high strength welded coiled tubing for API applications.

**Waterjet**

**KMT Waterjet Systems Inc**  
Booth ........... B3347  
Streamline PRO2® Pumps

KMT Waterjet introduces its ultra-high pressure Streamline PRO2® Pumps.
**Waterjet**

**OMAX Corp**
Booth ............  B3361

**Next Generation MAXIEM® JetMachining® Centers**

MAXIEM product redesign delivers best price-to-performance ratio in abrasive waterjet technology.

**TECHNI Waterjet**
Booth ...........  B4639

**Rotary Axis**

TECHNI Waterjet™ introduces its Rotary Axis TJ3000-X3 (5’ x 10’).

**Welding Consumables**

**Aquasol Corp**
Booth ............  C2118

**EZ Purge® Self-Adhesive Water Soluble Purge Dams**

EZ Purge® is a pre-formed, self-adhesive water soluble purge dam that expedites purging, while saving on gas consumption. The welder simply removes the adhesive liner, inserts the dam into the pipe and presses it to the pipe wall for the perfect seal.

**COR-MET INC**
Booth ............  C1205

**Flux Coated TIG Wire**

COR-MET Inc offers its 20” TIG wire with a flux coating that allows TIG welding open root passes, and eliminates the need for backing or gas purging. Alloys available in Stainless Steel, Nickel base and most Chrome Moly grades.

**Cuda Tools Inc**
Booth ............  C153

**Crushed Tungsten Carbide Grit**

Tungsten carbide grit provides long lasting wear protection in areas of high abrasive wear. This material also serves as an efficient means of protecting machinery parts, reducing downtime, and cutting costs by providing unparalleled protection.

**Hobart Brothers**
Booth ............  C2934

**Hobart Element™ wires**

The Hobart Element™ wires produce manganese emissions well below the levels of other gas-shielded flux-cored wires.

**National Standard**
Booth .............  C1634

**NS Plus™ Premium Copper-Coated Welding Wire**

National Standard introduces its NS Plus™ Premium Copper-Coated Welding Wire Series.

**Uni-Spray Systems Inc**
Booth .............  B531

**13 Deg Twin Nozzle**

The 13 Deg Twin Nozzle is a custom component uniquely tailored to penetrate internal areas where a conventional nozzle would not. Nozzle tips are set at 100 degrees apart with a 13 degree fan spray pattern.

**Arc Machines Inc**
Booth .............  C1964

**M217 WDR Power Supply**

The M217 WDR Power Dupply provides 250A fusion welding power supply with enhanced features.

**Bernard**
Booth ............  C2944

**Best of the Best (BTB) Platform MIG Guns**

Users can build their ultimate MIG gun by choosing from an expanded list of the best features from the legacy Bernard Q-Gun™, S-Gun™ and T-Gun™ MIG Gun lines, all through a single online configurator.

**Bug-O-Systems/Weld Tooling Corp**
Booth ............  C2106

**Zipper Welder**

Bug-O's track system for welding vertical seams on field storage tanks. An easy to use affordable system that easily mounts to the top lip of a tank, increases welding production and incorporates the MDS System, then quickly glides to the next joint.
**Welding Machines/Equipment**

**Focus GmbH**  
Booth ........... C3214

**Micro Electron Beam Welding Machine MEBW-60**

The MEBW is a high precision and fully functional desktop sized welding system with up to 2kW beam power and a minimum beam diameter of 30µm. It can be used in the field of micro technology, medical, automotive and aerospace to create high-quality welds.

---

**HBS Studwelding Inc**  
Booth ........... C3629

**HBS CDMi 2402 & CDMi 3202**

With the CDMi 2402 and CDMi 3202 automatic stud welding machines, HBS has once again set a milestone through the use of inverter-capacitor charging technology.

---

**LaserStar Technologies Corp**  
Booth ........... C1966

**7800 Series Laser Welding System**

LaserStar’s 7800 Series Manual Welding Systems are ideal for a variety of common spot & seam welding applications for the industrial marketplace. Made in USA.

---

**Weldcoa**  
Booth ........... C1123

**Welding Balanced B-Boom**

Weldcoa’s B-Boom™ offers time savings, one welder can do the work of four, getting more done in less time.

---

**Tri-Mer Corporation**

Since 1960  Factory and Headquarters: Owosso, Michigan

Technology Leader  
Engineered Systems

www.tri-mer.com  
(989) 723-7838  
©2014 Tri-Mer Corp.
NEW PRODUCT LAUNCH

RoboVent Ice

RoboVent ICE (Integrated Cooling Equipment) is an innovative air handling solution which is transforming the way fabricators enhance working conditions in their facilities by combining air conditioning and fume control:

- Attract Top Staff
- Improve Employee Retention
- Reduce Maintenance
- Reduce Energy Costs

...Stay Ahead Of Your Competition...

SEE IT LIVE

Visit RoboVent at FABTECH November 11th-13th in Booth C1644 for the unveiling of this patent pending technology!

Contact RoboVent at www.robovent.com or call 888.ROBOVENT to have an experienced Applications Specialist review your needs.
ABOUT THE EDUCATION PROGRAM

The Fabricators & Manufacturers Association, Intl’l (FMA), SME, Precision Metalforming Association (PMA), and Chemical Coaters Association International (CCAI) cosponsor the sessions on finishing, stamping, lasers and cutting, lean, management, sustainable manufacturing, job shop solutions, workforce, forming and fabricating, tube and pipe and automation. All sessions are two hours in length, offering practical knowledge you can use right away. Sessions with Tech Tours combine classroom instruction followed by expert-led guided tours on the show floor to see technology operating in designated booths.

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

Questions regarding the educational program at FABTECH can be directed to:

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

**LASER/CUTTING, FORMING & FABRICATING, LEAN/MANAGEMENT**
Ilia (Lundgren) Lee, SME
ilee@sme.org
800-733-4763

**FINISHING, COATING & ESCALATING, MANAGEMENT, TUBE & PIPE**
Julie Maddock, FMA
juliem@fmanet.org
888-394-4362

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

**SCHEDULE-AT-A-GLANCE**

<table>
<thead>
<tr>
<th>MONDAY, NOVEMBER 10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WELDING</strong></td>
</tr>
<tr>
<td>W28:</td>
</tr>
<tr>
<td>Session 1: Welding Metallurgy and Weldability Issues</td>
</tr>
<tr>
<td>Session 2: Mechanical Properties of Weldments</td>
</tr>
<tr>
<td>Session 3: Advances in Arc Welding Processes</td>
</tr>
<tr>
<td><strong>SPECIAL PROGRAM</strong></td>
</tr>
<tr>
<td>W39:</td>
</tr>
<tr>
<td><strong>TUESDAY NOVEMBER 11</strong></td>
</tr>
<tr>
<td><strong>TECHNOLOGY</strong></td>
</tr>
<tr>
<td>8:00 a.m. – 10:00 a.m.</td>
</tr>
<tr>
<td><strong>FINISHING</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>STAMPING</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>LASERS &amp; CUTTING</strong></td>
</tr>
<tr>
<td><strong>MANAGEMENT</strong></td>
</tr>
<tr>
<td><strong>WORKFORCE</strong></td>
</tr>
<tr>
<td><strong>STAINLESS MANUFACTURING</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>MANAGEMENT</strong></td>
</tr>
<tr>
<td><strong>AUTOMATION</strong></td>
</tr>
<tr>
<td><strong>SPECIAL PROGRAMS</strong></td>
</tr>
<tr>
<td>W35: AWS Educational Sessions (including Plummer Lecture)</td>
</tr>
<tr>
<td><strong>CONFERENCES</strong></td>
</tr>
<tr>
<td>W24:</td>
</tr>
<tr>
<td>W25:</td>
</tr>
<tr>
<td><strong>PROFESSIONAL PROGRAM</strong></td>
</tr>
<tr>
<td>W30:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>EDUCATIONAL SESSIONS</strong></td>
</tr>
<tr>
<td>W35:</td>
</tr>
<tr>
<td><strong>SPECIAL PROGRAMS</strong></td>
</tr>
<tr>
<td>AWS U.S. Invitational Weld Trials</td>
</tr>
<tr>
<td>IIW International Welding Engineer/International Welding Technologist Diploma</td>
</tr>
<tr>
<td>Thermal Spray Wire Arc Demonstration (Hourly) - Day 1</td>
</tr>
<tr>
<td>Robotic Arc Welding Contest</td>
</tr>
<tr>
<td>W40: AWS Awards Luncheon</td>
</tr>
<tr>
<td>W41: AWS Education Program Q&amp;A</td>
</tr>
</tbody>
</table>

Detailed conference descriptions, speakers, pricing, room locations and more can be found at fabtechexpo.com/edu.
# Schedule-at-a-Glance

## Wednesday, November 12

<table>
<thead>
<tr>
<th>TECHNOLOGY</th>
<th>8:00 a.m. – 10:00 a.m.</th>
<th>10:30 a.m. – 12:30 p.m.</th>
<th>1:30 p.m. – 3:30 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C41: NEW! Advances in Pretreatment Technology</td>
<td>C51: NEW! Successful Team Building in the Finishing Industry</td>
<td>C61: NEW! The Evolution of CARC Coatings</td>
</tr>
<tr>
<td></td>
<td>C42: Efficient Curing with Infrared for Industrial Finishing</td>
<td>C52: Concepts Avanzados de Pintura en Polvo en Español</td>
<td>C62: NEW! It’s All in the Details</td>
</tr>
<tr>
<td><strong>STAMPING</strong></td>
<td>S40: NEW! Die Protection and Sensor Basics</td>
<td>S50: NEW! Advancements and Best Practices for Die Protection &amp; In-Die Sensing</td>
<td>S60: Monitor and Adjust In-Die Processes</td>
</tr>
<tr>
<td><strong>LASERS &amp; CUTTING</strong></td>
<td>F40: NEW! Cutting: Built-In and Full Process Integration</td>
<td>F50: NEW! Understanding Cutting Technologies and Standards</td>
<td>F60: NEW! The Multiple Uses of Laser Metal Deposition</td>
</tr>
<tr>
<td><strong>WORKFORCE</strong></td>
<td>F43: Workforce: Managing and Developing the Next Generation</td>
<td>F53: Workforce: Building a Competency-Based Training and Development Program Workshop</td>
<td>F63: Workforce: Identifying and Recruiting Employees to Maximize Success</td>
</tr>
<tr>
<td><strong>JOB SHOP SOLUTIONS</strong></td>
<td>F44: NEW! Tracking Parts and Materials Through the Job Shop</td>
<td>F54: NEW! Solutions for Joining Sheet Metal</td>
<td>F64: NEW! Safety in the Job Shop</td>
</tr>
<tr>
<td><strong>FORMING &amp; FABRICATING</strong></td>
<td>F45: Press Brakes for Engineers</td>
<td>F55: NEW! The Ins and Outs of Coil Slitting</td>
<td>F65: Maximizing Your Roll Forming Lines</td>
</tr>
<tr>
<td><strong>WELDING</strong></td>
<td>W17: ASME Section IX, B31.1 &amp; B31.3 Code Clinic – Day 2</td>
<td>W18: Metallurgy Applied to Everyday Welding</td>
<td>W19: Welding of Stainless Steel (Basics)</td>
</tr>
<tr>
<td><strong>EDUCATIONAL SESSIONS</strong></td>
<td>W36: AWS Educational Sessions</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SPECIAL PROGRAMS</strong></td>
<td>AWS U.S. Invitational Weld Trials</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Thursday, November 13

<table>
<thead>
<tr>
<th>TECHNOLOGY</th>
<th>8:00 a.m. – 10:00 a.m.</th>
<th>10:30 a.m. – 12:30 p.m.</th>
<th>1:30 p.m. – 3:30 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C71: NEW! Paint Hooks &amp; Racking: They Do Make a Difference</td>
<td>C81: NEW! Understanding Pipe &amp; Tube Coatings &amp; Applications</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C72: NEW! Innovations in Liquid Finishing</td>
<td>C82: NEW! Building a Quality Pretreatment System</td>
<td></td>
</tr>
<tr>
<td><strong>STAMPING</strong></td>
<td>S70: NEW! Advancements in Material Control Using Cushion &amp; Lubricant Technologies</td>
<td>S80: NEW! Enhancements in Coil Processing</td>
<td></td>
</tr>
<tr>
<td><strong>LASERS &amp; CUTTING</strong></td>
<td>F70: Laser Joining Solutions</td>
<td>F80: NEW! BEAMS: Delivery and Solutions</td>
<td></td>
</tr>
<tr>
<td><strong>LEAN</strong></td>
<td>F71: Lean Tools: Quick Changeover and TPM</td>
<td>F81: NEW! Lean: Adapt and Develop a Continuous Improvement Strategy and Culture</td>
<td></td>
</tr>
<tr>
<td><strong>MANAGEMENT</strong></td>
<td>F72: NEW! Leveraging Business Value</td>
<td>F82: Valuation Parameters and Strategies for Fabricators</td>
<td></td>
</tr>
<tr>
<td><strong>SUSTAINABLE MANUFACTURING</strong></td>
<td>F74: NEW! Lean Sustainable Practices for Manufacturers</td>
<td>F83: NEW! Sustainable Lighting Solutions</td>
<td></td>
</tr>
<tr>
<td><strong>JOB SHOP SOLUTIONS</strong></td>
<td>F75: NEW! Utilizing Part Simulation in the Job Shop</td>
<td>F84: NEW! Data Management for Lean Operational Efficiency</td>
<td></td>
</tr>
<tr>
<td><strong>FORMING &amp; FABRICATING</strong></td>
<td>F76: NEW! Making Parts Flat: Innovations in Coil and Part Leveling</td>
<td>F85: NEW! Rethinking Bending and Forming: Alternative Technologies</td>
<td></td>
</tr>
<tr>
<td><strong>TUBE &amp; PIPE</strong></td>
<td>F75: Principles of Tube and Pipe Fabricating</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WELDING</strong></td>
<td>W29: Welding of Stainless Steel (Avoiding Weld Defects)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SEMINARS</strong></td>
<td>W30: Build It Better</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CONFERENCES</strong></td>
<td>W31: Corrosion of Welds: Causes and Cures</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RWMA SCHOOL</strong></td>
<td>W32: Session 14: Advances in Weld Overlays and Hardfacing</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PROFESSIONAL PROGRAM</strong></td>
<td>W33: Session 15: Progress in Sensing and Control</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EDUCATIONAL SESSIONS</strong></td>
<td>W34: Session 16: CIM/SEAS Developments in Weld Modeling</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SPECIAL PROGRAMS</strong></td>
<td>W35: Session 17: Developments in Friction Stir Welding</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Cancellation Policy: Cancellations must be made in writing and faxed to Attn: FABTECH Conference Cancellation at (313) 425-3407 no later than October 28, 2014 to receive a full refund minus a $50 administrative fee. Cancellations received after this date are non-refundable.
NEW PRODUCT PREVIEW
SPECIAL EVENTS FREE AND OPEN TO ALL ATTENDEES

TUESDAY, NOVEMBER 11
Keynote Presentation
9:00 – 10:00 a.m.
Location: Thomas Murphy Ballroom, Building B Level 5
Speaker: Cindi Marsiglio, Vice President, U.S. Manufacturing, Walmart

**CREATING U.S. JOBS AND BRINGING MANUFACTURING HOME**

Walmart has committed to spending $250 billion dollars over the next decade on U.S. made products. This effort will create thousands of manufacturing jobs across the United States and will create new business for both existing and new Walmart suppliers. Walmart is currently working to engage hundreds of suppliers and manufacturers with specific states in an effort to overcome the complex challenges of bringing these valuable jobs back to the United States. This presentation will look at why this work is extremely important, both in terms of rebuilding the middle class, and providing customers with the best possible prices and quality.

**Bridging the Manufacturing Skills Gap with Veterans**

12:30 – 1:30 p.m.
Location: Room C101, Building C Level 1

There is a high demand for people to fill skilled manufacturing jobs in the U.S. and companies are challenged to find the right candidates for their open positions. At the same time, thousands of veterans and National Guard members are exiting military service looking for civilian careers. This session will discuss the gap between available jobs and the highly skilled veterans with desirable leadership qualities seeking employment. Learn about the organizations and resources available to connect both sides and how veterans could be the key to bridging the skills gap.

*Moderator:* Shane Hicks, VP Global Talent, EPICOR
*Panel:* Michael J. Aroney, Principal Consultant, Allied Reliability Group
Joseph C. Barto III, Founder and President, Consulting & Training TMG, Inc.
Steve Nowlan, President and CEO, Center for America
Hernán Luis y Prado, President, Workshops For Warriors

**Changing the Way American Employers Think About Vets**

2:00 – 3:00 p.m.
Location: Hall A, Booth A2427
Speaker: Joseph C. Barto III, Founder and President, Consulting & Training TMS, Inc.

Looking to recapitalize your workforce through the hiring and training to American Veteran? Through this workshop, attendees will learn how to apply leadership, training and use of the Lean tool kit to produce engaged teammates transitioning out of the military into the civilian workforce which will result in lower attrition rates, increased engagement, and increased business performance. Move your business forward with new insight and the knowledge on how to design, develop and implement a Vet Talent Pipeline to your specific operation.
WEDNESDAY, NOVEMBER 12

Keynote Presentation

8:30 – 9:30 a.m.
Location: Thomas Murphy Ballroom, Building B Level 5
Speaker: Rocky Bleier

BE THE BEST YOU CAN BE

Four-time Super Bowl Champion and Vietnam War veteran, Rocky Bleier motivates audiences to keep on striving for greater accomplishments. Rocky sees parallels between the challenges he faced in the past and the challenges all business people face in today’s crowded, competitive marketplace. His dynamic presentation, using real-life stories with a warm, self-reflective humor, will provide attendees with the drive to achieve their goals and improve their business. Don’t fumble away the opportunity to hear his inspiring message!

Big Data Integration for Manufacturing

10:00 - 11:00 a.m.
Location: Hall A, Booth A2427
Speaker: Mike Walton, Head of Manufacturing, Google Enterprise

Join Google’s Mike Walton and the Google Engineering team for an in-depth demo of big data integration for manufacturing. We’re all pushing the boundaries of our technological comfort zones, whether it’s automation of on-floor machinery, or when our kids force us to adopt the latest productivity app. Let Google guide you through the latest insights from various industry players, and see how real companies are meeting the challenges they face on a daily basis.

State of the Industry Executive Outlook

12:30 - 1:30 p.m.
Location: Room C101, Building C Level 1

The notable rebound of U.S. manufacturing activity has raised the question of whether the sector might be experiencing a renaissance or just an uptick? Drivers such as healthcare costs, labor, government regulations, energy prices, and exchange rates are just some of the factors impacting many of the businesses that attend FABTECH. Hear manufacturing industry leaders who are faced with the same issues discuss how they navigate these challenges to remain competitive in today’s economy. Join an interactive Q & A afterward to ask questions and offer your perspective on the future of the industry. Walk away with new insights that will guide your business decisions for 2015 and beyond.

Moderator: Edwin Stanley, VP Sales and Finance, GH Metal Solutions
Panel: Todd Henry, Operations Manager, Caterpillar, Inc.
        Dave Whelan, SVP Supply Chain, Bluebird Corp.
        Raj Batra, President of the Industry Automation Division, Siemens

NETWORKING EVENT

FABTECH Industry Night

5:30 – 7:30 p.m.
Location: College Football Hall of Fame

Join your industry colleagues for a night you won’t soon forget! Enjoy food and drinks while connecting with old friends and new peers at the brand new College Football Hall of Fame in Atlanta, within walking distance to the Georgia World Congress Center. We expect this to be a sold-out event so be sure to purchase your tickets early when you register!

Advance tickets for FABTECH attendees are $50 and includes admission to the College Football Hall of Fame, customized experience to your favorite college team, cocktails and hors d’oeuvres. (Tickets are $75 if purchased after November 7).
Find details at fabtechexpo.com/industrynight.

Presenting Sponsor:

GEORGIA POWER
A SOUTHERN COMPANY
THURSDAY, NOVEMBER 13

Transforming Your Manufacturing Business for the New Digital Age

8:30 a.m. - 9:30 a.m.
Location: Thomas Murphy Ballroom, Building B Level 5
Speaker: Mike Walton, Head of Manufacturing, Google Enterprise

It’s an exciting time to be a manufacturer. Everyday objects like appliances, watches, cars and equipment are increasingly connected in an “Internet of things”—which means the opportunity to create new products is practically unlimited. But if you don’t innovate quickly, someone else will beat you to it. In this presentation, you’ll learn how to accelerate new product initiatives and time-to-profit using the latest digital technology and tools. You’ll find out how to improve collaboration across departments and your entire value chain. And you’ll learn how to maximize lean processes and operational efficiency with organization-wide access to consistent and up-to-date information at all times.

TUESDAY–THURSDAY, NOVEMBER 11, 12, & 13

AWS U.S. Invitational Weld Trials

Tuesday, November 11  Wednesday, November 12  Thursday, November 13
8:00 a.m. – 6:00 p.m.  8:00 a.m. – 5:00 p.m.  8:00 a.m. – 12:00 p.m.
Location: Hall A, Booth A3338

The AWS U.S. Invitational Weld Trials is a part of the AWS selection process to choose the TeamUSA Welding competitor for the 43rd WorldSkills Competition — São Paulo, Brazil in August 2015. Six of the top USA finalists will compete for the top three positions as the selection process continues after the AWS U.S. Invitational Weld Trials. Medals will be awarded to all of the top finishers as six additional international teams have been invited to join the trials. Only the highest three U.S. competitors will be eligible to become the TeamUSA welder, but the international competitors will be eligible to receive medals from the AWS U.S. Invitational Weld Trials. Come see the future global welding workforce in action all week.

PARTNER WITH FABTECH
to Support Workshops for Warriors

Donations can be made at fabtechexpo.com/fabtechexpocares.

FABTECH Cares, a charitable fundraising campaign in connection with the FABTECH 2014 Expo in Atlanta, works to raise funds in support of Workshops for Warriors, a 501 (“3) non-profit organization dedicated to training, certifying, and placing veterans in manufacturing careers. Join the campaign! Your contribution will benefit U.S. military veterans and assist them in obtaining jobs in the manufacturing sector.
FASTER, BETTER, SAFER

Our next generation RBL-G2 clamshell lathe was designed with safety as the top priority. Get faster, better performance and the durability you expect from Tri Tool.

- Pinch points minimized for improved safety
- Sever and bevel up to 3x faster for higher productivity
- Patent-pending tool module ensures a smoother, cleaner cut

Visit us and see the new RBL-G2 at FABTECH - Booth #C1304
For more information call (800) 252-7879 or go to www.tritool.com/RBLG2
GET THE BEST HOTEL RATES

Book your room through Travel Planners, the official FABTECH housing provider, and you are guaranteed to get the best rates (if you find a lower rate, let us know). Free shuttle bus service is available to and from the Georgia World Congress Center and show hotels during show days.

To find hotel information, make room reservations, access Airline, Car Rental discounts and more, go to fabtechexpo.com/accommodations.

<table>
<thead>
<tr>
<th>HOTEL</th>
<th>DISTANCE TO CONVENTION CENTER</th>
<th>RATE*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hilton Atlanta</td>
<td>8.0 Blocks</td>
<td>$196.00 to $230.00</td>
</tr>
<tr>
<td>Hyatt Regency Atlanta</td>
<td>6.0 Blocks</td>
<td>$195.00 to $280.00</td>
</tr>
<tr>
<td>Atlanta Marriott Marquis</td>
<td>6.0 Blocks</td>
<td>$209.00 to $239.00</td>
</tr>
<tr>
<td>Atlanta Marriott Suites Midtown</td>
<td>2.0 Miles</td>
<td>$209.00 to $239.00</td>
</tr>
<tr>
<td>Crowne Plaza Atlanta Midtown</td>
<td>7.0 Blocks</td>
<td>$139.00 to $179.00</td>
</tr>
<tr>
<td>DoubleTree by Hilton Atlanta Downtown</td>
<td>5.0 Blocks</td>
<td>$179.00 to $199.00</td>
</tr>
<tr>
<td>Ellis Hotel</td>
<td>0.1 Miles</td>
<td>$209.00 to $239.00</td>
</tr>
<tr>
<td>Holiday Inn Atlanta Downtown</td>
<td>3.0 Blocks</td>
<td>$159.00 to $169.00</td>
</tr>
<tr>
<td>Holiday Inn Exp. Hotel and Suites ATL DT</td>
<td>3.0 Blocks</td>
<td>$139.00 to $159.00</td>
</tr>
<tr>
<td>Omni Hotel at CNN Center</td>
<td>1.0 Blocks</td>
<td>$195.00 to $215.00</td>
</tr>
<tr>
<td>Renaissance Atlanta Midtown</td>
<td>2.2 Miles</td>
<td>$199.00 to $239.00</td>
</tr>
<tr>
<td>Ritz-Carlton Atlanta</td>
<td>5.0 Blocks</td>
<td>$219.00 to $269.00</td>
</tr>
<tr>
<td>Sheraton Atlanta Hotel</td>
<td>1.5 Miles</td>
<td>$165.00 to $185.00</td>
</tr>
<tr>
<td>W Atlanta Downtown</td>
<td>1.0 Miles</td>
<td>$249.00 to $289.00</td>
</tr>
<tr>
<td>Westin Peachtree Plaza</td>
<td>4.0 Blocks</td>
<td>$209.00 to $269.00</td>
</tr>
<tr>
<td>Courtyard Atlanta Downtown</td>
<td>8.0 Blocks</td>
<td>$179.00 to $209.00</td>
</tr>
<tr>
<td>Glenn Hotel</td>
<td>0.3 Miles</td>
<td>$204.00 to $254.00</td>
</tr>
<tr>
<td>Hampton Inn and Suites Atlanta Downtown</td>
<td>6.0 Blocks</td>
<td>$189.00 to $199.00</td>
</tr>
<tr>
<td>Embassy Suites Centennial Olympic Park</td>
<td>Adjacent</td>
<td>$229.00 to $249.00</td>
</tr>
<tr>
<td>Hilton Garden Inn Atlanta Downtown</td>
<td>1.0 Blocks</td>
<td>$179.00 to $219.00</td>
</tr>
</tbody>
</table>

*Quoted rates listed are in U.S. dollars and 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. Refer to fabtechexpo.com/accommodations for the most up-to-date hotel information.

Find out what Atlanta has to offer and make the most of your trip! Visit atlanta.net/fabtech to learn more.
1. NEW ZETA-7 FIBER TECHNOLOGY
The OPTIPLEX Fiber incorporates new Zeta-7 features that automate and optimize the Fiber laser process. This groundbreaking technology incorporates a new Mazak-exclusive head design and integrates intelligent automation features with superior cutting speeds to deliver greater throughput.

2. NEW NEXUS PERFORMANCE & VALUE
Introducing the OPTIPLEX NEXUS 3015 laser-cutting machine that delivers a cost effective solution that includes Mazak’s cutting-edge Preview 3 control. This unique laser is available in a two pallet design and can be utilized with Mazak’s extensive range of automation solutions.

3. NEW COMPACT VERTICAL AUTOMATION
Mazak will demonstrate a new Tekmag vertical automation system on an OPTIPLEX 3015 Fiber laser-cutting machine. Mazak was the first company to patent a Flexible Manufacturing System for laser machines and leads the industry with a wide range of solutions. Over 700 machines are installed in automation systems in North America.

Contact your Mazak Optronics representative, visit www.mazakoptonics.com or call 847.252.4500 for more information.