



# NEW PRODUCTS

## Arc Welding

### **AQC Inc** **Booth 38132** **Miniroll**

Portable welding fume and dust filtration unit.

### **Arc Specialties Inc** **Booth 36100**

#### **Control Upgrades for the ARC-05P PLC GTAW**

The ARC-05P is the gold standard in cladding with over 150 units installed throughout the world. And now new control upgrades have made the best cladder even better. Full Closed Loop Controls detect and fix any weld parameter deviations. RMS Values make preheating a breeze. Calibrate with semi-automated calibration, switch languages, or toggle units all from the touch screen. The new Remote Diagnostics feature allows control and log-in from anywhere.

#### **ARC-05HVGT**

The ARC-05HVGT is the latest design from ARC Specialties. The cladders' torch, cross slides, and turntable are all fixed on a single cradle that rotates from 0 to 90°. In horizontal tilt mode, the deposition rate doubles. The system is packed with ARC engineered features like Tri-Pulse capability, 100% AVC that maintains voltage while following the part, and Teach & Repeat programming of intersecting bores.

#### **ARC-06G CNC GTAW**

The ARC-06G has a servo-controlled rotary head for continuous rotation, making the system perfect for welding racetrack style configurations, bores, and other shapes. Automatic torch centering software decreases part setup time, and a new hold function allows the system to pause and resume welding seamlessly. The system is now capable of integrating a positioner for part positioning to increase the arc-on time, and productivity.

### **Cloos Robotic Welding Inc** **Booth 34133**

#### **RAPID WELD Process**

The RAPID WELD process, in conjunction with the new pulsed arc power sources in the QINEO® PULSE series, enables economic single wire welding of thick steels as used for example in the machine construction industry, shipbuilding and the construction of railway vehicles. High deposition rates and optimum penetration depths are achieved due to a strongly focused high-capacity spray arc combined with a high wire feed speed.

### **COB Industries Inc**

#### **Booth 33126**

#### **Argweld Multi-port Tandem Purge Bladders**

The latest version of the Argweld® Tandem Purge Bladders now offers multiple inlet/exhaust ports for faster, more effective weld purging. The user is able to increase the gas flow without fear of over-pressurizing the weld by utilizing additional inlets/exhausts while maintaining a non-interference seal on the pipe ID. This is an important improvement on the already popular Argweld® Tandem Purge Bladders.

### **FANUC Robotics America Inc**

#### **Booth 33003**

#### **ARC Mate 100iC Intelligent Welding Robot**

FANUC Robotics' six-axis, ARC Mate 100iC intelligent welding robot features a compact design, class-leading operation efficiency, speed, load capacity, and enhanced performance for welding parts of all shapes and sizes. Compared to traditional dress packages, mounted externally on the robot's arm, the ARC Mate 100iC's internal routing allows the dress package to follow the motion range of the robot, simplifying programming and eliminating bending, snagging or breaking cables.

### **Fronius USA LLC**

#### **Booth 35043**

#### **TransSteel**

Digitally controlled TransSteel MIG welding system, a rugged and dependable partner for structural steel fabricators. "Steel Transfer Technology" special steel-welding characteristics for outstanding welding properties. "Steel Root" delivers excellent gap bridging ability and a soft, stable dip-transfer arc for perfect, easy root welding with no need for weld-pool backing support. "Steel Dynamic" a concentrated and more flexible arc for welding with deep, narrower penetration. Gas and water-cooled versions; 350A/500A.

### **gasgrab.com**

#### **Booth 32080**

#### **GasGrab**

The 'gasgrab' is the safest method of manually handling gas cylinders today. Once the scissor action clamps the cylinder it can be handled safely with far less strain on the user. Meeting all Health & Safety requirements, the 'gasgrab' improves posture during lifting and ensures less pressure is being placed on the operator's back.

### **Motoman Inc**

#### **Booth 35065**

#### **MA1400 Robot**

The slim, fast 6-axis MA1400 "Master Arc" welding robot increases productivity and optimizes weld performance. Welding cycle time is reduced due to cutting-edge Sigma V AC servo motor control technology and new Advanced Robot Motion control. Proven integrated through-the-arm torch cabling eliminates cable interference and simplifies programming. Ideal for use in workcells with multiple robots working in close proximity; also for applications requiring access to parts in tight spots.

## Arc Welding

### Motoman Inc

Booth 35065

#### VA1400 Robot

Motoman's 7-axis VA1400 "Versatile Arc" welding robot is ideal for use in high density workcell layouts. Fast and highly flexible, the VA1400 dramatically increases freedom of movement and maintains proper welding posture at all times. The seventh axis acts as an elbow, providing improved torch access into tight places and allowing the robot to reach both sides of a part, which often makes it possible to consolidate cells.

### SmartTCP Inc

Booth 34065

#### Laser Seam Tracking

SmartTCP has developed a new laser seam tracking application for its automatic welding solution for steel fabrications in small batch production to work in a weld process that requires the robot to oscillate in a weave pattern and integrated it into its automatic offline programming software, making it possible to automate the welding of small batches with joint types where "through the arc" seam finding and tracking is not possible.

### Wolf Robotics

Booth 35046

#### Fanuc Robot integrated to Wolf Robotics SmartPositioners

Wolf Robotics now offers robotic arc welding cells featuring Fanuc ARC Mate Robots and Wolf SmartPositioners. The SmartPositioner SkyHook 2000, Wolf Cell Control and Fanuc Robot ARC Mate 120iC will be on display at the FABTECH Show. Wolf can now integrate Fanuc Robot ARC Mate models 100iC, 120iC and 710iC featuring the R-30iA controller.

## Assembly

### Batesville Tool & Die Inc

Booth 17106

#### Tog-L-Loc Assembly

Tog-L-Loc applications replace welding processes to preserve the integrity of pre-coated material from corrosion. Destruct tests can achieve up to 4,800 Newtons pull force. Our Tog-L-Loc

assembly processes utilize hydraulic presses, rotary indexing equipment and robotic part handlers to load and unload component parts and assemblies. Vision systems automatically inspect for part presence and miss-location to insure all components are in place and functional before and after the assembly operations

### FANUC Robotics America Inc

Booth 33003

#### M-1iA Parallel-Link Robot

The FANUC M-1iA is a lightweight and compact six-axis, parallel-link robot designed for small part handling, high-speed picking and assembly applications. The unique parallel-link structure provides higher speeds and accuracy compared to traditional assembly robots. The robot can be installed in a variety of orientations, and has a three-axis wrist, making it extremely flexible.

### Nexen Group Inc

Booth 7064

#### Precision Ring Gear

Nexen offers an advanced, freely programmable Ring Drive with exceptional performance. Based on Nexen's RPS technology, the Ring Drive is the fastest and most efficient mechanical indexer on the market. Robust and precise, it can achieve accelerations up to 2x higher than the competition, and due to the smooth, backlash-free gearing, it is nearly silent at low speeds. Maximum Acceleration: 40 rad/s<sup>2</sup>, Maximum Velocity: 100 RPM.

### Promess Inc

Booth 7142

#### TFT-HC

The Torque Functional Test system (TFT) is a complete systems solution manufactured by Promess Incorporated for use by both builder and end user. The newest addition to our torque family is the High Capacity series. The TFT-HC series includes sizes ranging from 200 Nm to 2500 Nm.

#### REMAP

Promess has designed a complete line of electro-mechanical rotating press systems to provide a solution for the most demanding applications with an off the shelf tool, the Rotational Electro-Mechanical Assembly Press (REMAP).

## Bending/Forming

### Andy J Egan Co Inc

Booth 4016

#### Custom Metal Fabrication

Andy J. Egan Co. now offers custom metal fabrication, including welding, boiler breeching, bending and rolling, and ASME certified tank fabrication. Products include: hoppers, conveyors, industrial platforms, bins, hoods, carts, industrial chutes, flumes, dust collection systems, machine guards and much more.

### Burr Oak Tool Inc

Booth 4030

#### OAK M4 RECB

The touch screen and micro pulse feed control on our new M4 return elbow crossover bend machine make bend angles and feed length changes fast and accurate. Older tooling can be used, eliminating tooling replacement costs. Bend head position and tube feed amount are detected and displayed on the new controller. The M4 also utilizes new clear guarding which allows full view of machine operation.

### Carell Corp

Booth 14061

#### VSS 6' x 3/8" Automated Vertical Rolling System

The VSS 6' x 3/8" Vertical Rolling System is an automated tank shell production cell with a 20 ton decoiler feeding sheet steel into a 6' x 3/8" vertical 4 roll plate bender to produce the shell at 17 fpm. An automatic plasma cutter separates the sheet from the coil and the seam finished using a vertical automatic seam welder. Increase production and reduce labor input by up to 300%.

### EHRT North America/Porth Products Co

Booth 9171

#### Punching Machine Holecut 40-4 Solution

The new Holecut 40-4 Solution will extend the EHRT Holecut range to meet customers' low-end requirements. The machine has been developed using tried and tested EHRT methodology and to optimize series production costs. EHRT punching technology is now economically viable even for small production quantities.

### **Bending Machine EB 20 CNC**

The new EHRT EB 20 CNC Bender produces exact work pieces by measuring bends twice from the beginning. This accuracy is combined with easy material handling. EHRT bending technology is now economically viable even for small production quantities.

### **Hess Industries Inc**

**Booth 5067**

#### **Demand Sheet Metal Fabrication Systems**

Hess Industries, Inc., offers Demand Flow Sheet Metal Manufacturing Systems that are highly programmable and flexible to produce a family of parts on a single line. Systems integrate metal forming, metal fabrication, programmable dies and assembly processes from coil or sheet stock through finished parts using a full range of in-house capabilities. The featured line manufactured 18 different part configurations for a furnace filter housing.

### **J & S Machine Inc**

**Booth 3101**

#### **CNC38MS-RAE**

J&S Machine introduces the new YLM ALL-ELECTRIC CNC-38MS-R-AE rotary bender. The bender features multiple stack tooling capabilities coupled with a fast 180°/sec bending head. Feeding speeds up to 50"/sec and rotation speeds to 360°/sec creates a fast dependable bending machine for multiple applications. The advance New Motion software allows for sequence programming of every movement and fast efficient repeatable setup parameters for a quick changeover.

#### **CNC-16S2-PMR**

J&S Machine introduces the YLM CNC-16S2-PMR production system. The machine pulls material from a coil, straightens, end-forms, bends, and cuts to create a completed part in a single process with a capacity of 5/8" tube with two levels of tooling. Powered by an advanced software package, the machine is fast to program, accurate in part production, and takes up a small amount of floor space.

#### **FM63-A2**

J&S Machine will be displaying the YLM FM63-A2 I/O tube end-former/sizer. The machine is suitable for the end forming of various metal tubes of different

materials to different shapes primarily for reduction or expansion of tubes after bending. Manual and automatic modes of operations working with a tube range of 1" to 2.5" with reductions and expansions performed simultaneously to facilitate high accuracy and precision results are highlighted features.

### **Machinerie G A S**

**Booth 6012**

#### **Green Laser Alignment**

Machinerie G.A.S., the developer and manufacturer of the GINGRAS combined shear/press brake is now offering green laser alignment as a new option. Green lasers are easily visible on metal and allow operators to reduce set up time and optimize manufacturing process. This option will also be appreciated to reduce waste of raw material due to errors in misalignment.

### **PRIMA Finn-Power**

**North America Inc**

**Booth 6045**

#### **FBe Fast Bend**

New from Prima Finn-Power, the FAST BEND (FBe), a flexible, servo-electric bending machine that will revolutionize the world of press brakes. The FBe can bend 5 different parts with different thicknesses and alloys in just 5 minutes. It fills the needs of today's fabricators regarding the press brake operation.

### **Ursviken Group**

**Booth 6171**

#### **CNC Coil Punch PCC125 & Optiflex Integrated Robot Bending Cell.**

Parts are bent in integrated Robot Press Brake Cells where capacity is easy to adaptable to customer requirements. Ursviken Optiflex Press Brakes are used for the highest accuracy and reliability. Punched blanks, sections, panels, wrappers, etc. are made to order in a single pass straight from the Coil. Lower initial material cost and improved material gain of 85 to 100% are achieved by using part dedicated coil widths.

## **Brazing & Soldering**

### **Chung I Silver Solder Co Ltd**

**Booth 37101**

#### **Flux Cored Seamless Tubular Silver Brazing Alloy**

The Flux Cored Seamless Tubular Silver Brazing Alloy provides reduced flux and labor use, no loss flux due to seamless tubular, improved brazing quality, no cleaning required, reduced water treatment cost, time savings as well as labor, material and other cost.

### **Lucas-Milhaupt Inc - A Handy & Harman Co**

**Booth 32002**

#### **Handy One® AL-822**

Aluminum Handy One opens the temperature processing window beyond the typical 110°F melt window of AL 718 and most aluminum base metals, creating an easy-to-control process, joining components such as thin aluminum heat exchangers and other Al base metals. In addition to common chemical compositions, we can provide flexible flux and alloy composition of AlZnSi and AlZn to satisfy the needs of your particular application.

## **Business Services**

### **American Welding Society**

**Booth 40021**

#### **Welding Fabricator Certification**

AWS now certifies the quality programs of welding fabricators, with its Certified Welding Fabricator program. This affordable certification provides for an audit that establishes that the daily operations of the welding fabricator are consistent and traceable.

#### **Welding Sales Representative Certification**

AWS has developed the first certification for welding and gases sales representatives. This program certifies to the industry that the sales representative has the knowledge to add value to the sales and consulting process. An examination and optional pre-exam seminar will be conducted at the show.

## Business Services

### American Welding Society

Booth 40021

#### AWS Welder Membership Program

AWS has designed a new membership to address the needs of welders worldwide. The AWS Welder Membership offers discounts on welding equipment and tools of the trade from hundreds of distributors, insurance programs, publications exclusively for welders, an on-line forum for welders, and much more.

### Atema Inc

Booth 32046

#### AISC Erector Certification Training

Fully understand the criteria of the AISC Advanced Certified Steel Erector Program. This course will cover all of the CSE and ACSE criteria including application of checklist questions and application materials requirements. Learn what to audit for to demonstrate compliancy. This course is ideal for certified companies looking to improve their existing quality management system further or to train managers with new responsibilities in the company's quality system.

#### Internal Audit Program

An Internal Audit Program is a great device for improving your business. Conducting regularly scheduled Internal Audits will give your company the tools necessary to improve cost and time efficiency, identify potential duplication or miscommunication, and contribute to the development of new procedures and goals that affect the bottom line. Prepare yourself to design and conduct your own internal program that meets Quality Management

### Diamond Ground Products Inc

Booth 37105

#### Welding Guidebook

Diamond Ground Products guidebook, "How to Correctly Grind, Cut & Prepare Tungsten Welding Electrodes" provides the Manufacturing Engineer a general reference for selecting the most appropriate tungsten material and emphasizes the importance of a correctly prepared, ground and cut tungsten electrode.

### Fabricators & Mfrs Assn Intl

Booth 5168

#### FMA Member Directory

The recently updated FMA Member Directory is the only resource of its kind for the metal forming and fabricating industry. Use it to locate FMA and TPA members as well as product and service suppliers. Find companies alphabetically, geographically, and by product or service categories through our sophisticated search and browse functions at [www.fmanet.org/directory](http://www.fmanet.org/directory). Regular updates keep the content up-to-date with the latest contact information.

#### 2009 Cost of Doing Business Survey

The previous FMA's Wage & Benefits and Salary & Benefits survey formats have been combined, resulting in the new 2009 FMA Cost of Doing Business survey. The new survey, published on an annual basis includes company size, region, and other demographic selects.

#### Precision Sheet Metal Operator (PSMO) Certification Exam

FMA's PSMO Certification is the metal industry's first exam designed to verify an operator's comprehensive knowledge of fundamental precision sheet metal fabrication processes including press brake, laser cutting, punch press, shearing, sawing, and mechanical finishing. FMA Certification allows employers to assess their workers' skill levels against industry standards. For a limited time, complimentary access to all e-learning courses and training materials is included with exam registration fee.

### Laser Institute Of America

Booth 12007

#### Mastering Light DVD - An Introduction to Laser Safety

Mastering Light serves as an excellent resource for laser safety officers who are tasked with training new employees and keeping the team updated on current safety issues and practices. Written and produced by LIA, the Mastering Light DVD fulfills both the ANSI Z136.1 Safe Use of Lasers and OSHA's training requirements for employees working with or around Class 3B or Class 4 lasers and laser systems. Site Licenses are available.

### Precision Metalforming Association

Booth 16112

#### Precision Metalforming Solutions

PMA provides powerful solutions for increasing competitiveness, profitability and influence in the metalforming industry. Access flexible learning and accreditation resources through the PMA Educational Foundation's Technical Training Library. The soon-to-be launched Center for Economic Analysis offers solutions for benchmarking and planning business success. The new PMA/NTMA "One Voice" government advocacy partnership will provide you with the tools needed to make a political difference.

### Prosource Financial

Booth 16125

#### Association Health Insurance Program

Association Health Insurance Program for members of Precision Metalforming Association, and the NFFS', SMI, IFI, and FIA. Members have a new alternative for finding affordable health insurance for their employees, in a very easy to use and understandable program created for the benefit of members.

### Shop Data Systems Inc

Booth 12084, 8120

#### Q-Costing 2009

Trust the only costing engine in the HVAC industry based on 34 years of duct fabrication. Shop Data Systems' Costing Module can provide the most accurate dollar figure for your projects in the least amount of time. Combine it with our Server Engine and once the job is completed on the costing side, it is ready for review and fabrication. Efficient, accurate, trustworthy. Everything you need in an HVAC costing package.

#### Material Management Software 2009

Eliminate needless wasted material using ShopData's newest feature, EdgeStart, specifically designed. Automatically tool and nest components, achieving the lowest scrap percentages in the industry. Ease of use eliminates countless hours of programming time. When coupled with RemTrack, ShopData's remnant and inventory control, material utilization can be brought under control.

## **SME**

**Booth 6169**

### **Fundamentals of Tool Design**

#### **Video Series**

This DVD training series examines the concepts explained in the textbook Fundamentals of Tool Design, 5th Edition. Each program provides an overview of design technologies, best practices, processes and shop floor vocabulary. These are ideal for factory and classroom instruction. Topics include: Tool Materials, Cutting Tool Design, Progressive Die Design, Gaging & Inspection Tool Design, Composite Tooling Design, and Troubleshooting Tool & Die Making.

## **Spike 2050**

**Booth 8164**

### **A.I.M.**

A.I.M. is a fully integrated internet based software solution for machinery dealers and service companies. It provides instant access to all information pertaining to your business from anywhere that there is internet access. It provides an invaluable data base, and history giving the owner the ability to produce mailing and emailing lists targeting specific industries, localities or machine types. It has been specifically designed to enhance machine dealers operations.

## **Coil Processing**

### **ARKU Coil-Systems Inc**

**Booth 7163**

#### **FlatMaster® Precision Levelers**

Leveling with ARKU precision levelers is a quick and easy process compared to manual leveling. ARKU FlatMaster® precision levelers eliminate costly rework, cost from flatness and angularity errors when bending and welding sheet metal parts.

### **Kent Corp**

**Booth 15044**

#### **Fully Automatic Coil End Welders**

Kent has added a fully automatic coil end welder to their product line. The new machine will shear both coil ends at the same time, index the coil ends together and weld them automatically. The hands free operation only requires an operator to jog the coil ends into the machine and press the start cycle. Automatic tail out strip positioning is also available.

### **Coil End Welder/Planisher Combo**

Kent has a new coil end welder that will weld edge to edge with tabs and then planish the weld back to the original metal thickness. For strip process lines or press and roll formers who need the welds to be the same thickness and hardness as the original metal. Annealers are also available to bring the strip back to the original metal hardness.

### **KOHLER Maschinenbau GmbH**

**Booth 16020**

#### **Leveling machine**

KOHLER presents a newly developed leveling machine which offers a compact design and an optimal access to all service points. This type series, which can be designed as part leveling and strip leveling machine, enables a 30% higher working capacity than comparable machines.

### **New Form Tools Ltd**

**Booth 4039**

#### **Slitter Knives and Tooling**

New Form Tools has developed a line of high strength, shock and wear resistant Slitter Knives. These products are heat treated and cryogenically treated for the ultimate in compressive strength required during operation. Diamond ground, cryogenically treated slitter knives perform in the most aggressive environments, cutting high strength materials.

### **Ursviken Group**

**Booth 6171**

#### **CNC coil punch PCC60e.**

The PCC60-e consumes less than 5kW of energy. The ram is controlled by an AC servo motor that delivers power and accuracy during stroke. PivaPunch PCC60e Punching Center for Coils, the electric hybrid Coil Parts are produced from coil which offers lower initial material cost. When the coil width is equal to the width of the part produced the material utilization is 100% without producing scrap.

## **Cutting**

### **Ajan Elektronik Servis San Ve**

**Booth 34064**

#### **CNC Plasma-Oxy Cutting with Rotary Pipe and Beveling Options**

### **American Torch Tip Co Inc**

**Booth 35115**

#### **PHD2000**

American Torch Tip introduces the new patented PHD200 plasma torch. The PHD2000 converts conventional HT2000 plasma torches to Plasma High Definition without the costly investment into capital equipment. The PHD torch increases cutting capability to 1" mild steel, virtually dross free cut quality, dramatically decreased bevel angle and all at 30% faster speeds. The PHD line of torches also incorporates a "Torch for Life Program" alleviating long term replacement costs.

### **Beijing Ess Ltd**

**Booth 33053**

#### **SteelTailor Smart Bench CNC Cutting Machine**

SteelTailor Smart series is a new version of SteelTailor family portable CNC cutting machine. It's a portable bench CNC cutting machine with same precision and stability instead of traditional bench CNC cutting machine. It can be easily installed and disassembled. Stable and Economic can better meet your needs.

### **Burny & Kaliburn**

**Booth 38003**

#### **Burny XL**

The Burny XL can operate any cutting machine and interfaces with most processes including: oxyfuel, plasma, waterjet, drills, and markers. Available features include: dynamic beveling software; 10.4", 15", and 19" screens available; screen customization with CAP (Embedded Soft PLC; Expandable I/O; low profile front end; TRUE multitasking; Designed by plasma experts for industrial environments, and reliability tested in a 60G vibration environment.

## Cutting

### **Burny & Kaliburn**

**Booth 38003**

#### **SmartHC**

The SmartHC is an integrated CNC with up to five 400 Watt AC Brushless drive amplifiers; up to 3 for machine motion and up to 2 reserved for torch height control. The easy-to-program, PC-based controlled SmartHC features: Plasma Arc Voltage Control; Maximum Retraction Speed – 600 IPM; PID Servo Control Loop; Initial Height Positioning; Programmable Partial Raise; Collision Protection System; Corner Height Disable; and Retraction Delay.

### **Durma/SCA**

**Booth 6091**

#### **Plasma Cutting System**

Manufactured in our laser factory the Durma PL Series plasma cutting machines are built for fast and accurate cutting. A Siemens 840D Series Control interfaces with the Hypertherm HPR Series power source. Standard equipment includes; Siemens drives and motors, graphic programming, nesting software, automatic gas console, programmable torch height control, break away torch head. Available in unitized and independent table configurations.

### **EH Wachs Company**

**Booth 38070**

#### **Heavy Duty Split Frame**

E.H. Wachs HDSF is designed to cut and bevel simultaneously and is the foundation of a complete machining system. Built with larger gearsets and hardened steel components, the HDSF will single point, counterbore and face flanges on large diameter pipes from 12 to 84 inches O.D. Included are O.D. Tracking Slides for unrivaled ease of use and durability.

### **FastCut CNC Inc**

**Booth 34012**

#### **Icon CNC Plasma System**

The new Icon CNC Plasma System from FastCut CNC is designed for the sub \$20,000 market. The Icon is a full featured plasma cutting system that does everything better.

### **Hypertherm Inc**

**Booth 36021**

#### **EDGE Pro CNC**

Compatible with nearly any mechanized system, Hypertherm's new EDGE Pro CNC is easy to install, easy to use, and more reliable than any other computer numeric control. It does not require any sort of intermediary device to run and supports both oxyfuel and plasma. Hardware and software advancements include both analog and SERCOS motion control connectivity, a touch screen display and an integrated operator's console.

#### **Patent Pending Hole Cutting Technology**

Hypertherm is narrowing the gap with laser by introducing more precise hole cutting technology. Patent pending technology when combined with new HyPerformance technology, two new motion control systems and the latest MTC software will vastly improve the hole making capability of plasma. In addition, Hypertherm engineers report a 100 percent increase in the production speed of cut parts and a 40 percent increase in consumable life.

### **IHT Automation GmbH & Co KG**

**Booth 40006**

#### **IHT Nozzle Sensor**

Plasma cutting of thin sheet metal is a very challenging task, since the plates are often deformed or wavy. The patented nozzle sensor from The IHT Automation will provide the best possible initial position finding.

#### **C1000**

The C1000 System is the solution for applications where low budgets meet high requirements. Short-stroke (120mm) and load (7Kg) for flat bed machines, Fast-high speed 7,2 m/min, accuracy-setting of cutting height and pierce height in mm, detection of Kerfs and Edges during Cutting Collision protection with built-in overload protection, tactile initial position finding (no electrical signals.)

### **Kent/Tesgo**

**Booth 4055**

#### **BEWO Line of High Speed Saws**

Kent Corporation now offers the BEWO line of High Speed saws. The New saws can cut up to 11,000 pieces per hour. Kent offers complete systems from bundle unloader, saw, blow-out, deburr, length measure, wash, and

stacking. Kent's improved performance approach gives you very high production rates, integration, and a high quality finished part. Kent will offer sales, service and parts out of the headquarters in North Royalton, Ohio.

### **KMT Waterjet Systems Inc**

**Booth 12131**

#### **Streamline PRO 90,000psi/6.200bar 125HP Waterjet Cutting Pump**

Streamline™ PRO 125HP pump delivers manufacturers a reduction in operating costs by cutting products in less time than conventional waterjet systems. With speeds up to Mach 4 in water pressure, PRO 125HP runs the largest orifice in the industry and has the capacity to be the fastest waterjet cutting process in the metal, glass, rubber, textile, and stone fabrication industries.

### **KNUTH Machine Tools USA Inc**

**Booth 5029**

#### **Hydraulic Swing-Beam Shear**

Knuth Machine Tools offers the KHT-A value priced line of strong and rigid hydraulic swing-beam shears for workshop applications. To ensure high quality, consistent output, the KHT-A shears features a standard one point rapid, central blade gap adjustment for burr-free cutting and long blade life along with a motorized back gauge for handling fine adjustments on a wide variety of materials.

#### **Hydro-Jet Eco**

Knuth Machine Tools' improved Hydro-Jet Eco is a compact, low volume workhorse that includes a software package for quick programming. This affordable water-jet technology uses both pure-water and abrasive cutting, making precise cuts in nearly any material, while environmentally-safe because it generates not cutting or grinding dust, chips or smoke.

### **Koike Aronson Inc**

**Booth 34021**

#### **WaterJet**

Koike Aronson/Ransome Inc. newest product is the WaterJet cutting machine line. Standard machines offered are 6'x 6', 6'x 10' and 6' x 12' cantilever models with 60,000 psi abrasive cutting systems. Each model will include an industrial CNC controller with a 19" operator interface. Machines feature a rigid fabricated beam, linear

bearings, precision ball screws and rugged machine table to provide smooth and accurate machine motion.

### **Plate-Pro Extreme**

The Plate-Pro Extreme is a dual-side-drive, plasma and oxy-fuel cutting machine that is another cost effective solution for customers worldwide. Koike can configure the Plate-Pro Extreme to fit your operation: it holds up to six tools and comes with your choice of Burny Phantom or KARCNCx CNC controls. Available cutting widths are 6, 8 and 10 ft. with cutting lengths of 10 ft. up to 100 ft.

### **OMAX Corp**

**Booth 6137**

#### **Abrasive Waterjets Feature a New Motor Solution**

OMAX released a new patent pending Brushless Vector Drive, a system which provides positioning control that is smoother and more precise than either servo motors or step motors. The drive uses a control system to accurately manage the vector magnetic field and eliminates complications machine builders often have with servo motors.

### **MAXIEM™ 1515**

OMAX will demonstrate the MAXIEM 1515, an affordable, highly productive abrasive waterjet in a compact design, at FABTECH. With a table size of 92" x 69", the MAXIEM 1515 utilizes proven software and pump technology. It is ideal for fabrication shops, metal service centers, trade schools, architectural, sign, gasket, and job shops.

### **MAXIEM™ 1530**

OMAX will demonstrate the MAXIEM 1530, an affordable, highly productive abrasive waterjet to handle larger stock. With a table size of 151" x 69", the MAXIEM 1530 utilizes proven software and pump technology. It is ideal for fabrication shops, metal service centers, trade schools, architectural, sign, gasket, and job shops.

### **Oxylance Corp**

**Booth 32088**

#### **Sure Cut Thermal Shutoff**

Oxylance Inc has added a true Thermal Shutoff / Anti Slag Safety Device to our Sure Cut holder system. Thermal Shutoff prevents molten steel or slag from causing a back fire in the Holder.

### **PFERD INC**

**Booth 36111**

#### **DUODISC**

The new DUODISC combination abrasive wheel is a cost-efficient and technically advanced solution for users needing a fast, time-saving cutting action and reliable deburring performance, now delivered by a single wheel.

### **Praxair Inc**

**Booth 34093**

#### **ProStar™ CNC Pipe Cutting Machine**

Multiple Axis, CNC Controlled, Plasma /Oxy-Fuel, 2" to 40" Diameter machines.

#### **ProStar™ Cutting Machine**

Rotobevel – 5 axis Contour Beveling System, drilling, automatic tool changer, X-Y Bevel.

### **Saws International Inc**

**Booth 3040**

#### **Kinkelder Connexioncut 7 Cermet Tipped Saw Blade**

Kinkelder developed its new and improved Cermet tooth specifically for softer solid steels cut on high production sawing systems. The Cermet blade offers excellent blade life at a very affordable price.

#### **Kinkelder Power and Supreme Series Cold Saw Blades**

Mass component manufacturers demand tools that last a long time at very high speeds. Kinkelder has met this demand by offering its new Power and Supreme cold saw blade for high performance automatic sawing systems. Featuring a proprietary power designed body, a proprietary coated gullet, and a superior edge, the Power and Supreme series are the most advanced cold saw blade on the market.

#### **Kinkelder Connexioncut TCT Saw Blades for Flying Cutoff**

Saws International and the rest of the Kinkelder USA team are proud to announce the new and improved Connexioncut 2 Tungsten Carbide Tipped Saw Blade used in Tube Producing flying cutoff applications. The Connexioncut 2 features a proprietary coating and edge geometry tailored to increase cutting speed and blade life while providing a consistent cut surface.

### **Tallyrand Ind Systems Inc**

**Booth 4037**

#### **Miniature OEM Control**

This is a low-cost control having many of the features of our more expensive controls.

### **TECHNI Waterjet**

**Booth 6167**

#### **PAC 55™**

The new PAC 55™ "Precision Angle Control" five-axis cutting head is capable of producing parts with a true angle up to +/- 55° with continuous rotation. That means that regardless of the geometry of the part to be cut, the PAC 55™ will produce it without having to reposition the cutting head, saving time and producing higher quality parts.

#### **Glass Master**

TECHNI Waterjet™ has introduced the latest and most innovative Waterjet Cutting Machine in the industry. The Glass Master™ is specifically designed for the glass industry and can easily cut from 1mm to 100mm thick, laminated and bullet resistant glass without any set up changes. The Glass Master™ Waterjet is ideal for backsplashes, countertops, frameless shower doors, mirrors and bullet resistant glass.

### **The Extractor**

**Booth 7100**

#### **The Extractor**

New garnet removal system for water jets. Portable, 4'x4' footprint, no electrical or plumbing, only air. Use on multiple water jets. Operates while water jet is running, no down time. When full, use forklift sleeves, carry to garnet disposal area, open bottom door and gravity does the rest. Simply close hydraulic door, return the Extractor to water jet and continue extracting.

### **The M K Morse Company**

**Booth 12137**

#### **M-Factor by Morse™**

M. K. Morse has expanded the carbide tipped band saw blade product line to include the new M-Factor CH and M-Factor GP Blades. The M-Factor CH is engineered for optimal cutting performance on case hardened materials while the M-Factor GP design tackles everyday cutting of carbon steels and stainless steels. Fast cutting, smooth finish and long service life are immediate benefits provided by the triple chip tooth profile.

## Cutting

### The M K Morse Company

Booth 12137

#### Challenger™

Challenger Bimetal Structural Band Saw Blades are constructed using PTP™ Technology, a new process ensuring optimized performance during production cutting of structural shapes and tubing. This process, in combination with its specialized tooth geometry, provides dramatic increase in fatigue resistance and tooth durability. Morse 1-1/4", 1-1/2" and 2" blades offers consistent cutting performance in a wide range of structural materials, available in both standard set and heavy set.

## Fastening & Joining

### ATTEXOR Clinch Systems SA

Booth 13086

#### High Speed Clinching Tool

The SC0201IP is a radically new hand tool, high speed operation and 100% pneumatic. More than 2 clinch joints per second are achieved in continuous production. Particular suited for light gauge sheet metal products such as refrigerators, ventilation, HVAC, furniture, building components and many others. Manufactured by ATTEXOR Clinch Systems in Switzerland, along with a wide range of clinching tools and equipment.

### Lenzkes Clamping Tools Inc

Booth 16089

#### Multi-Quick 200

Lenzkes Clamping Tools, Inc. manufactures and sells quick-release clamping systems and accessories. See our featured MQ-200 Clamp at the 2009 FABTECH Show. The MQ-200 features easy stepless adjustment both horizontally and vertically with a compact design offering more clamping height and clamping reach.

### LORD Corp

Booth 32089

#### Acrylic Metal Bonding Adhesives

LORD Corporation's next generation series of acrylic metal bonding adhesives offer robust solutions for bonding various substrates, which

provide a flexible process for your manufacturing environment. This family of gray adhesives, available in three different cure speeds, outperforms competing products in environmental resistance, salt spray and humidity performance. It also offers high adhesion strength without the need of a primer and is process-friendly.

## Finishing

### Abtex Corp

Booth 7101

#### Tri-Ten "RTO" Deburring System

The Tri-Ten "RTO" deburring system is designed for applications requiring a small footprint and portability. Parts loaded on a magnetic conveyor pass through an offset planetary deburring head where three Abtex fiber abrasive brushes deburr the upward facing surface. They are then flipped onto a parallel magnetized conveyor that transports them back through the planetary head to the entrance.

### Col-Met Spray Booths Inc

Booth 7033

#### Col-Met Smart Touch Batch Oven

Smart Touch uses a Programmable Logic Controller (PLC) to control the oven components. The PLC is in the main control panel mounted on the burner box. It monitors the motor starters, overloads, gas pressure switches, fan flow switches, oven temp, burner box temp, and the Touch Screen.

### Euromac LLC

Booth 9060

#### Kromas Vibratory Finishing Equipment

Kromas enters the U.S. market at FABTECH offering a full line of all types of mass media finishing machines and accessories, including abrasive media from Kromas' own production.

### Mair USA LLC

Booth 4040

#### Bar to Bar Draw Bench

To complete MAIR's entrance into building Bar finishing equipment, they now offer the complete package of a bar to bar draw bench.

### PFERD INC

Booth 36111

#### POLIFAN® SGP-CURVE

The new POLIFAN® CURVE SG-PLUS flap disc has an innovative radial shape to optimize fillet weld operations on steel and INOX workpieces. The unique radial shape offers substantial benefits regarding aggressiveness and extended tool life thanks to the special alignment of the abrasive flaps.

#### POLIFAN® SGP-STRONG

PFERD's new POLIFAN® SGP-STRONG flap disc removes more material in less time than any grinding wheel or competitive flap disc on the market.

### Process Equipment Co

Booth 33021

#### RAD's Variable-Speed, Radially Compliant Deburring Tool

The compliant spindle enables the cutting burr to provide a constant force against the part while following the part profile and compensating for surface irregularities and positional tolerances without gouging the part, leaving unwanted burrs or breaking the tool shank. The compliance feature of the Deburring Tool will accommodate for deviations between the robot path and tool edge.

### Rex Cut Products Co

Booth 32042

#### Megabrite Surface Conditioning Quick Change Discs

A new line of non-woven surface conditioning discs offer light grinding, blending, cleaning, and finishing on stainless steel, aluminum, sheet metal, and exotic metal. Offered in CRS, MED, and FINE grit sizes.

### Stoelting LLC

Booth 12146

#### Rotaforce Rotary Drum Washer

Stoelting Rotary Drum Washers for high volume production and cellular processing are perfect for solvent free cleaning and designed for light to heavy industrial parts processing. The flexible design allows the end user to incorporate nearly any combination of detergent washing, rinsing, rust inhibitor, chip removal and drying.

**SWD Inc**  
**Booth 14070**

**Yuken Coating Materials**

These materials are new to North America and SWD is the first applicator approved to apply the materials. They are RoHS and REACH compliant and offer salt spray protection well over 1000 hours.

**Timesavers Inc**  
**Booth 9055**

**Model 19MWT-DD-75**

A new wet, Heavy Duty, 19" wide machine will be on display in Timesavers booth at the 2009 FABTECH show. The machine is available with 20 HP in two, three or four head models to be used for grinding, deburring and/or finishing.

**Viking Blast & Wash Systems**  
**Booth 7049**

**RW 120-72C Rotary Waterblaster Spray Cabinet**

The RW 120-72C offers extra large cleaning capacity with a work envelope of 72" height with a 120" diameter worktable that can support up to 15,000 pounds. The RW 120-72C comes standard with 2, 15HP seal-less pumps rated at 610 gallons per minute at 60 PSI. Pump horsepower in high pressure upgrades are available for additional cleaning power. The double door simplifies loading with an overhead crane or fork lift.

**48 ST Airless Swing Table Shot Blaster**

The 48ST Table Blast system has the table attached to the door. When the blast door is opened, the worktable swings completely clear of the cabinet, offering easy loading and unloading. Table style blast machines are capable of cleaning a wide variety of parts that can not be tumbled due to either size or shape. The table rotates while exposed to the abrasive blast, providing a uniform surface finish.

**SR-6 Pipe and Rod Blaster.**

The SR-6 can remove rust or enamel from a wide variety of materials, from fractional diameter up to 6" diameter pipe to a SSPC-6 surface finish at a continuous flow. This machine utilizes one VKPowerMax direct drive blast wheel, offering cleaning throughput ranging from five to 30' of pipe per minute. The SR-6 features complete 1/2" thick cast chrome/moly lining,

protecting from abrasive wear, ensuring long life and low maintenance.

**Weiler Corp**  
**Booth 38002**

**Weiler Vortec Pro Bonded Abrasives**

New, competitively priced Vortec Pro Bonded Abrasives are specifically designed for general purpose cutting and grinding applications on steel, iron, and other ferrous metals. Line includes Type 27 and Type 1 wheels which are formulated for aggressive stock removal and fast cutting, resulting in increased productivity. Product is also reinforced with fiberglass webbing for stability. Quality-made to ANSI's Safety Standards and Specifications, Vortec Pro Bonded Abrasives are 100% satisfaction guaranteed.

**Weiler 6" Grinder Accessories**

New 6" grinder accessories line includes: Grinding Wheels, Cutting Wheels, Flap Discs and Wire Power Brushes; allowing you to slice, grind, cut, finish, clean, and de-burr. Eliminating the need to switch to a 4-1/2" grinder increases productivity, reduces down-time, and increases profits. This comprehensive assortment is designed with your bottom line in mind. Manufactured for maximum aggression and long life, you'll waste no time getting the job done.

**Weiler Saber Tooth Ceramic Flap Discs**

Weiler's new Saber Tooth ceramic flap disc provides cool, fast-cutting action on hard to grind, heat sensitive materials; stainless steel, inconel and titanium. Self sharpening grain and one-step grinding/finishing reduces changeovers, increases productivity. Grinding aid prevents dulling, glazing, and allows "cool cutting", to prevent heat discoloration. Trimmable backing extends disc life, provides flexibility and access to hard to reach areas. 4-1/2", 7" diameter.

**Wendt USA LLC**  
**Booth 38107**

**Felt Polishing Products**

Wendt's patented range of Felt Flap Wheels and Flap Discs are designed for creating up to a mirror finish. Use with rouges or compounds to create the finish you need. Unique flap design runs cooler and conform to any shape. Made in Germany.

**Flap Band**

Wendt's patented Flap Band is a more aggressive and long-lasting alternative to flap wheels and spiral bands. Layered flaps on a firm core are much more durable, and provide faster cutting action. Ideal for hard to reach applications, or blending the inside of pipes or tubing. Made in Germany.

**PowerMax HDC Carbide Burs**

Wendt's PowerMax HDC burs are designed for faster stock removal than traditional Double Cut carbide burs. The deeper flutes allow for more aggressive performance in foundry, shipyard, or other severe applications. Available in most common sizes and shapes. Save time. Save money. Made in the USA.

**Gases & Gas Equipment**

**Cyl-Tec Inc**  
**Booth 37051**

**Fast Fill 500 lb. Beverage CO2 System**

The Fast Fill offers 500 lb. CO<sub>2</sub> capacity, faster filling, higher vaporization, and many additional features.

**Sumner Manufacturing Co Inc**  
**Booth 34070**

**Cylinder Carts with FireWall**

Sumner has released their new line of cylinder carts that combine two important job-site needs: a FireWall to meet OSHA requirements and the need for a lifting-eye. These carts come with a variety of tire options to include the Flat-Free tire, eliminating maintenance issues. American made and ready to be put to the test of everyday use on the job.

**Thermadyne Industries Inc**  
**Booth 34046**

**Victor Professional Edge Series Regulator**

The Victor Professional Edge™ Series regulator offers outstanding flow performance. The new Edge™ regulator provides more consistent flow during inevitable cylinder decay, an advanced design that is modern, smaller and more compact, unsurpassed safety. The only heavy duty industrial regulator that passes the stringent ASTM G175 Promoted Ignition Test.

## Gases & Gas Equipment

### Western Enterprises

Booth 32003

#### VN Series HVAC Nitrogen Purging Systems

The HVAC VN Series is a new line of nitrogen regulator/cylinder systems designed specifically for the HVAC industry, for nitrogen purging AC line sets prior to brazing and leak checking line sets after brazing. The systems utilize lightweight aluminum cylinders and a "state of the art" regulator with an integrated cylinder valve. They offer safety, savings, convenience, and consistency over the current nitrogen purging set-up.

### Witt Gas Controls

Booth 34030

#### Dome Pressure Regulator-737 LE HD

The 737 LE HD has passed inspection by BAM. It is burn-out resistant for use with oxygen at pressures of up to 200 bar (approx. 2900 psi) and temperatures of up to 60°C (140°F). The maximum pre-pressure for the 737 is 200 bar (approx. 2900 psi), with a regulating range from 2 to 45 bar (29 to 653 psi). The 737 offers a nominal gas flow of approx. 81,200 SCFH.

#### Safety Relief Valve-800 ES

The 800 ES has been tested by BAM (Federal Institute for Materials Research and Testing) for burn-out safety up to 240 bar with oxygen. Together with oxygen, the "800 ES" can also be used for other technical gases including hydrogen. The part produced by Witt is less than 70 mm long with a diameter of only 18 mm and has the commonly used 1/4" NPT thread.

## Hydroforming

### Interlaken Technology Corp

Booth 17073, 17109

#### Hydroforming Press Systems

Interlaken will be exhibiting Hydroforming Press Systems for use in production or materials research applications at the 2009 FABTECH/MetalForm Show in Chicago. The systems are computer controlled hydraulic press systems with data acquisition that uses a high-pressure liquid to hydroform materials. Interlaken's Hydroforming Press Sys-

tems are designed to embrace both tube and sheet hydroforming applications. Gas forming systems are also available.

### Pryer Technology Group

Booth 17021

#### Triform Sheet Hydroforming Press

PTG will demonstrate its new 500 ton (5,000 PSI) Triform Sheet Hydroforming Press, equipped with a 16" bladder diameter. The reduced weight and height of the Triform eliminates the need for special flooring. It is compact, versatile and equipped with a wide range of bladder and pressure sizes, available with and without a punch. CNC programmability offers precision control of the process variables with complete diagnostic and recipe handling capabilities.

## Inspection & Testing

### Computer Engineering Inc

Booth 39010

#### NDEDocs

NDEDocs is Computer Engineering's latest program and as you may have guessed from the title, allows you to generate and store NDE documents. The simple interface and WYSIWYG design allow you to quickly create and sign Visual, Radiographic, Magnetic Particle, Liquid Penetrant, Ultrasonic, Hydrostatic (both Vessel & Piping), & Pneumatic NDE records.

### F & G Tool and Die Co

Booth 15067

#### Gages and Fixtures

Design and build of fixtures and gages. Design and build both attribute and variable data gages. Fixtures range from CMM holding fixtures to assembly and weld fixtures.

### Hexagon Metrology Inc

Booth 16021

#### ROMER Omega Laser Scanning Arm

OMEGA is a reverse engineering solution that combines a ROMER 7-axis arm laser probe technology with powerful PC-DMIS Reshaper software. The fast, easy-to-use and affordable laser probe system ideally suited to 3D scanning. PC-DMIS Reshaper, a complete 3D point-cloud processing software for users who need to handle rapidly generated point cloud files and high-quality 3D meshes at an affordable price.

### Leica Absolute Tracker with PowerLock

The Leica Absolute Tracker now features PowerLock technology. Dropped laser beams are a thing of the past, as the tracker not only can catch the beam on the fly, it can actually find the reflector automatically. This technology is completely compatible with the Leica 6DoF T-Products such as T-Probe and T-Scan.

### PC-DMIS 2009

The all new 2009 edition of PC-DMIS, The Metrology Software features significant updates to its core modules for measuring with DCC CMMs, Portable CMMs and Laser Trackers, Vision Inspection Machines, CNC machines, plus an all-new version of DataPage statistics software and the Inspection Planner module.

### HKS Prozesstechnik GmbH

Booth 31033

#### WeldQAS

The WeldQAS (Quality Assurance System), developed for the monitoring of welding processes, fault analysis, and the manufacturing documentation is based on inline data acquisition. Equipped with either special measure transducers like wire, gas, compact, or process sensors or customized measuring signals safeguarding the integration into the welding process the WeldQAS can be applied to laser, electron-beam, arc, MIG/MAG, TIG, submerged arc, manual electric, and plasma jet welding.

#### WeldAnalyst

In order to enable its clients to analyze even the most complex and dynamic arc welding operations, HKS-Prozesstechnik provides the innovative and easily operable measuring instruments WeldAnalyst, which is equipped with process, specific sensors facilitating the recording of the welding process from measured data received during the welding operation. This year it comes up with the integration of a high-speed video camera.

#### WeldScanner

The WeldScanner combines the functions "data logger", "digital oscilloscope" and "calibration device" to a mobile and durable system. It was particularly developed for the tasks of

welding specialists in daily practice. The color screen shows welding voltage, welding current, wire feed, gas flow rate. The direct print out is just as possible as a data transfer via USB stick to the computer.

### **Innerspec Technologies**

**Booth 4012**

#### **temate TG-IL**

The temate® TG-IL is designed for Thickness Measurement In-Line at production speeds. Non-Destructive Testing technique permits inspection of 100% of production, ambient and high-temperature probes for continuous measurement of materials up to 1200°F (650°C, Integrated temperature correction for maximum accuracy, resolution down to 0.0005" (0.013mm), capable of covering large areas using sensor arrays. The temate® TG-IL can be customized to meet your unique inspection needs.

#### **temate PowerBox-H**

The temate® PowerBox-H is the world's first full function Ultrasonic EMAT flaw detector, which is Portable and Battery Powered. With the temate® PowerBox-H the advantages of EMAT induced ultrasonic inspection. EMAT technology was developed in the 80s as a non-contact, dry-inspection alternative to piezoelectric transducers. Initially confined to laboratories and high-end applications, it has experienced growing popularity with the advent of more powerful equipment and greater understanding of its capabilities.

#### **temate Pi-GW**

The temate® Pi-GW is designed for strip inspection up to 0.5" (15mm). Non-Destructive Testing technique permits inspection of 100% of production, detects laminations, internal and surface defects with guided waves, requires minimum amount of sensors to cover large spans of material, available for ferrous and non-ferrous materials with one or multiple layers, completely automated operation. The temate® Pi-GW can be customized to meet your unique inspection needs.

### **Interlaken Technology Corp**

**Booth 17073, 17109**

#### **Production Pressure Testing Systems**

Interlaken will be exhibiting Pressure Testing Systems for impulse testing, leak

testing, burst testing and autofrettage at the FABTECH/METALFORM show in Chicago. Combining their expertise in ultra-high pressure, controls, data acquisition and high-force hydraulics, Interlaken's integrated package offers the dependability of a production system coupled with the precision, repeatability and data acquisition necessary for production and R&D. Standard systems are available for pressures up to 100,000psi (7,000bar).

### **InterTest Inc**

**Booth 31065**

#### **Weld-i 1000**

The Weld-i 1000 is a video-based vision system providing high-resolution color CCTV observation of weld processes. Remote focus and iris a full, detailed view of the torch, weld joint, puddle and feed wire. High-heat, hazardous-UV, spatter, and fume are kept at a safe distance. Operators can concentrate attention on making good weld with real-time feedback of the process. Ideal for monitoring TIG, and many MIG, PAW and Laser welding applications.

#### **i-Block Camera Systems**

iShot Imaging's innovative i-Block Camera Systems offer superior, high-quality video capture for a variety of unique applications and diverse environments. The systems utilize Sony SD/HD FCB color block-cameras providing the end-user with optimal visual communication, easy operation and an extensive selection of camera features. The camera housings range from a standard indoor housing with keypad control to an underwater housing equipped with 400' of cable, LED-illumination and elaborate remote-control.

#### **iShot Imaging XtendaCam Tilt**

Quickly access and inspect out-of-reach targets up to 16', 4" with the iShot Imaging XtendaCam Tilt, designed for viewing, illuminating and recording inaccessible areas in a matter of minutes. The slender, lightweight system boasts a 1/4" CCD camera and a housing on a motorized tilting mechanism- changing the vertical orientation of the camera 320° range. LED white-light illumination reaching targets up to 25'. Control pad at base and 7" display.

### **Meta Vision Systems Inc**

**Booth 38034**

#### **SLS-050 Smart Laser Sensor**

Meta's new SLS-050 smart laser sensor represents the latest development in laser sensors for welding and inspection. The SLS combines a high resolution high speed camera and a special optical design with sophisticated processing inside the sensor head to generate high quality 3d images. By integrating the image processing and measurement results inside the sensor head itself, a new level of price/performance has been achieved.

### **MMT International**

**Booth 8161**

#### **InspecVision Opti-Probe**

A CMM-arm, without the arm. The Opti-Probe is a wireless hand-held-device. Attached to its upper-surface are optical-markers. These markers are tracked by a camera and the location of the device is then calculated. By touching the part and pressing the trigger, 3D measurements of the part are acquired and transferred to our state-of-the-art 3D CMM software. This software allows inspection against all of the leading 3D file-formats or reverse-engineering.

### **Multi Systems Inc**

**Booth 2041**

#### **MM5000Si with Laser Guided Tube Measuring**

The MM5000Si Measuring System now features Laser Guided Measuring of tubes ranging from 1/16 inch to 7 inch diameter.

## Inspection & Testing

### Olympus

Booth 38043

#### NDT Tube Testing Probes

Olympus introduces the NDT tube testing probes for use with the MS5800 multitechnology system that is used to inspect heat exchangers, feedwater heaters, and boiler tubes. They utilize remote field testing technology (RFT) to inspect ferromagnetic tubing to detect and measure volumetric defects resulting from erosion, corrosion, wear, and baffle cuts. They have improved signal clarity and detection capabilities. The signal-to-noise ratio is increased with improved electronics and preamplifier.

### Thermo Scientific NITON Analyzers

Booth 4041

#### Niton XL3t Series XRF Analyzers with GOLDD™ Technology

Thermo Scientific Niton XL3t Series XRF analyzers with geometrically optimized large area drift detector (GOLDD™) technology offer fast, nondestructive alloy grade identification and laboratory-quality composition analysis of metal alloys without helium or vacuum purging. These instruments deliver improvements in light element detection, overall sensitivity, and measurement times, as much as 10 times faster than conventional Si-PIN detectors, and up to 3 times more precise than conventional smaller, silicon drift detectors.

### Turck Inc

Booth 16055

#### Magnetic-Inductive Sensors

TURCK magnetic-inductive sensors use signal attenuation to reliably detect ferromagnetic components such as nuts, bushings and spacer sleeves and ensure these necessary components are present before robotic welding occurs - with no additional software or electronics required. TURCK's weld nut sensors are easily integrated into existing production lines, replacing traditional location bolts and providing an exceptional solution for sheet metal processing in chassis construction.

#### Compact Sensor with Extended Range

TURCK has added a very compact 10 x10x28 mm sensor to its line of uprox+ advanced factor 1 sensors that can achieve sensing distances up to 5 mm

depending on how the sensor is mounted. In addition, the Q10S sensors provide an extended range and predamping function that allows it to be mounted directly on metal or flush mounted on four sides.

#### Q08 uprox®+ factor 1 Sensor

TURCK's Q08 uprox®+ factor 1 sensor is now equipped with extended range capabilities of 8 mm for all metals. The sensors compact size is well-suited for applications with limited mounting space, and it is additionally available with a proprietary protection against weld slag. Q08 sensors come equipped with internal shielding that effectively eliminates pre-damping, allowing the user to utilize the sensor's full switching distance even when mounted on metal surfaces.

## Job Shop/Contract Manufacturing

### Chelar Tool & Die Inc

Booth 16137

#### Horizontal Machining Center

Chelar Tool & Die has added a new 500 mm horizontal machining center. We can now better serve our customers for production machining with doubling the speed. This machine has 3000ipm rapid speed, 12000rpm and 60 tools. We have a pallet changer for fast part loading and unloading.

## Lasers

### Alabama Laser

Booth 11038

#### Laser Cladding

Alabama Laser provides both laser cladding services and systems. The laser cladding process uses a laser to deposit a layer of material onto a substrate. Cladding enhances the properties of a surface and with the right material choice provides good wear and corrosion resistance. This process is emerging as a strategic technique for repairing damaged components and also to improve the properties of base materials for surface protection.

### Bystronic Inc

Booth 6061

### BySprint Pro 3015 Laser Cutting System

Bystronic introduces "the economic miracle" BySprint Pro 3015 with the highly efficient ByLaser 4400 watt laser source and Automatic Technology Selection (ATS). ATS is a control based feature which dynamically adjusts parameters during high speed cutting, eliminating the need for additional part programming. The ByLaser 4400 is also highly economical thanks to the wear-free solid state power supplies and maintenance-free magnetic bearing turbine.

### GPI

Booth 7072

#### EI3021CJ Industrial Triode

This tube is designed for use in CO2 industrial lasers. It is a direct drop-in replacement for the RS3021CJ and AX3021CJ. Built by EIMAC, the worlds leading power grid tube manufacturer and Made in the USA.

### Durma/SCA

Booth 6091

#### Laser Cutting System

Durma lasers are offered in three configurations. The HD-C is of the hybrid concept in which the cutting head moves in depth & height (Y/Z) and the sheet in the X axis. The HD-M is also a hybrid design, but here the table itself moves in the X axis. The HD is of the "flying optics" concept in which the cutting head moves in three directions depth, width and height.

### Hankwang USA Inc

Booth 9002

#### PL 3015 4000W

The PL 3015 4000W includes a Panasonic Laser, Siemens 840D Controller, wide open access type, 7800IPM max. travel, over 1000IPM max. cutting speed, intelligent cutting quality control.

### Laser Mechanisms Inc

Booth 11020

#### FiberCut Laser Processing Head

Engineered for 3-dimensional robotic cutting with a fiber-coupled laser, Laser Mechanisms' FiberCut processing head is a compact, low moving mass design that minimizes inertia transfer to the robot support arm. All connections to the head enter at a right angle, including the fiber, providing tight

access to parts, easy cable routing and stress reduction on the input fiber. Other FiberCut advantages include auto calibration and insensitivity to cutting plasma.

### **Laserline Inc**

**Booth 12021**

#### **Compact Power: 2.3 kW Diode Laser Modules**

Laserline's well-known, 19" rack mount LDM modules still are as compact with a height of 9" (or 5U), but they now pack more punch with a 60% power increase, delivering more than 2,300 W, perfect for OEM customers building compact welding, cladding or heat treatment systems. No other laser system worldwide can rival the power density offered by the LDM.

#### **4 kW Fiber Coupled Diode Laser for Welding**

Laserline's diode lasers reach 4,000 W with a beam quality equivalent to that of Nd:YAG systems. Fiber delivered, they can be focused down to 0.6 mm with a 200 mm working distance. These next generation lasers offer small footprint, low maintenance, and an efficiency of up to 45% which directly translate into real life cost savings, up to 10 times lower than that of a lamp pumped YAG laser.

### **LaserStar Technologies Corp**

**Booth 12020**

#### **3800 Series**

FiberStar turnkey marking, engraving and cutting systems offer the benefits of a non-contact, abrasion-resistant, permanent laser mark onto almost any type of material. A wide range of standard and custom platforms available incorporating fiber laser source technology. FiberStar marking systems range from a simple enclosure to advanced, integrated XYZ motion for step-and-repeat laser marking or coordinated rotary motion for seamlessly marking around a circumference, all controlled through the marking software.

#### **1900 Series**

LaserStar Industrial Workstations are ideal for a wide range of metal joining, complex assembly, automation and repair applications. A compact, portable design, coupled with LaserStar's well-known reputation for high quality, efficient laser sources, make the 1900

Series an excellent value. Available as a benchtop or pedestal, both available in 110V and 220V single phase models and provide 40, 60, 80 watts of pulse energy output. Custom output configurations are available.

#### **Universal Jig with 7700 Series Laser Welding System**

Ideal for a wide range of large injection mold, tool and die maintenance repair applications. Lay a bead as small as .0025"/0.05mm; repair slots, pockets, radius contours and angles; repair polished, engraved, textured surfaces; repair thin walls, parting line edges, manufacturing defects and heat sensitive areas; ideal for tool steel, aluminum, copper, titanium and powdered metals. The LaserStar produces a high quality result and reduces the amount of handwork required.

### **Mazak Optonics Corp**

**Booth 6035**

#### **The Mazak HG 612 2D Laser-Cutting System**

The HG612 offers comprehensive AO5 setup features including an automated torch changer, automated nozzle changer, CCD camera based nozzle damage analysis, automated lens analysis, focal point measurement and adjustment as well as automatic nozzle cleaning. It is available in 2,500W and 4,000W configurations and offers a 79" x 158" (2000 x 4000 mm) bed.

### **Murata Machinery USA Inc**

**Booth 6111**

#### **Motorum 2558 Hybrid**

Latest offering from Muratec an electric turret punch with laser, the Motorum 2558 Hybrid. Known as a Hybrid, this machine offers a complete fabrication solution. A 27 ton, 44 station turret punch with a 4000 watt laser for contour cutting. The controllable stroke punch drive adds new applications like tapping, scribing, rolling forms and bending. A fabricators dream machine.

### **Rofin-Sinar Inc**

**Booth 11008**

#### **FL - Fiber Laser Series**

The FL Series is available in output powers from 500W-1000W. The lasers can be coupled to fibers diameters ranging from 50um to 600um. Small parts can be welded

with minimal heat distortion. Galvo scanning systems allow both 2-D and 3-D processing. Optional beam switching and sharing modules allow greater utilization of the beam source. A single laser can be used in up to four individual workcells.

### **Salvagnini America Inc**

**Booth 5100**

#### **L1Xe Laser Cutter**

Introducing the world's first fiber laser cutter from Salvagnini - the L1Xe. With no laser gas consumables, no turbine, no glass tubes and no moving parts - the L1Xe is a model of simplicity, efficiency and cost savings. Virtually maintenance-free, the L1Xe is 60-100% faster than CO2 lasers and uses 70% less power while reducing cost per part by 50%.

### **TRUMPF Inc**

**Booth 6001, 6013**

#### **TruLaser 3030**

TRUMPF's new generation of the reliable TRUMPF TruLaser 3030 combines innovative technology and high laser power with a new design concept and optimized operation. With its single cutting head strategy and equipped with a 5 kilowatt CO2 laser, the TruLaser 3030 NEW sets the standard for the future with features that further increase productivity and flexibility when cutting sheet thicknesses up to 1 inch.

#### **TruLaser 1030**

TRUMPF's TruLaser 1030 affords new opportunities. With a focus on core functionality, the TruLaser 1030 offers a small footprint to allow installations in areas where traditional 1.5 x 3 meter laser machines will not fit. The machine comes as one complete package, with control cabinet and laser attached to the machine frame. The TruLaser 1030 is TRUMPF's newest laser cutting system designed to meet the increasing challenges facing today's manufacturers.

## Lasers

### **Vytek Inc**

**Booth 11034**

#### **FX3**

Expand your markets with a Vytek Laser System. Engrave on glass, stone, tile, wood, and acrylic easily and consistently. When you add the Stone Carving Package to any Vytek Laser System, you can also offer your services to interior designers, architects and sign makers. Beautiful carved "rugs" can be installed or you can create carved signs. Vytek Laser systems are versatile, cost efficient and on the cutting edge of technology.

### **Wayne Trail Technologies - VIL Laser Systems**

**Booth 35021**

#### **FLEX LASE Universal Laser Processing Cell**

The Flex Lase Universal laser processing system from VIL Laser Systems/Wayne Trail Technologies, is a 'works in a box' fully modular, easy to program, multi-axis, class 1 rated laser processing solution – that includes everything needed to safely and easily add laser processing to your list of manufacturing capabilities. Laser welding, cutting, brazing, heat treating, cladding, marking and more, are all possible with FLEX LASE.

## Lubrication

### **MPT Industries**

**Booth 38016**

#### **OC (Oxygen Compatible) Products**

OC Five and Seven are chemical resistant & oxygen safe thread sealants and lubricants that are compatible with many aggressive chemicals over a wide temperature range. Features include non-flammable, non-migrating, non-toxic, odorless, oxygen compatible, waterproof, anti-galling, anti-seize, dielectric and chemically inert. Both OC Five and Seven are now offered in new 7 oz plungers.

### **Tower Oil & Technology Co.**

**Booth 16113**

#### **Bend-All 80**

For the most difficult tube and pipe bending, Bend-All 80 forms a strong barrier film with a high degree of

lubricity and extreme pressure protection. The use of solid film lubricants reduces the coefficient of friction, improving the lubricant film strength. Bend-All 80 is all metal safe. Large diameter, thin wall, 1D bends are easily attainable. Bend-All 80 will not run off the mandrel or out of the tube.

#### **Saf-T-Vanish**

Tower Oil & Technology Co. introduces Saf-T-Vanish, a synthetic, V.O.C. free stamping lubricant to replace typical vanishing oils. Using Green Fluid Technology, Saf-T-Vanish contains no hazardous ingredients, uses renewable resources and is totally biodegradable. Drying time is typically twice as fast as solvent based fluids. It does not contain typical extreme pressure additives, and has a high lubricity factor. Saf-T-Vanish offers excellent corrosion protection, and is all metal safe.

## Machining/EDM

### **Rattunde Corporation**

**Booth 3032**

#### **Rattunde ACS+CFMcurve**

Rattunde Corporation introduces the ACS+CFMcurve integrated sawing and machining center for tubes and solids. Precision parts are made in one continuous process from mill length stock. The patented CFMcurve machine simultaneously machines each workpiece end utilizing twelve independent servo controlled axes. Machining options include: threading, boring, profile turning, grooving, radius edges and angled chamfering. Programming screens guide operators for quick set up on even the most complex part geometry.

## Maintenance & Repair

### **Broco Inc**

**Booth 37089**

#### **RANTUBE Tubular Hardfacing Electrodes by Rankin Industries**

Rantube is a unique product for manual application to large parts where deposition rate and job completion times are paramount. Rantube offers the greatest range of carbide bearing alloys to overcome a variety of wear problems caused by

abrasion, erosion, impact, heat and corrosion. Electrodes are available in three diameters: 1/4", 5/16" and 7/16". All three diameters fit conventional electrode holders. Electrodes are manufactured in the USA.

### **Coxreels Inc**

**Booth 37013**

#### **PC10 Series**

COXREELS® introduces the new compact PC10 Power-Cord Series reel. This ground-breaking design sets a new bar as the ideal cord management solution capable of fulfilling any commercial and industrial application where space is limited. Crafted in heavy gauge steel, this model handles up to 30 feet of 16 and 12 gauge cord and features 6 different cord accessory options for every power and light management application.

### **GBC Industrial Tools**

**Booth 33002**

#### **GBC SPIDER 42**

GBC SPIDER 42 flange facing machine, for easy and quick on-site resurfacing of damaged flat and raised flanges. Working range 12"-42", ID mounting, self centering 8 clamping legs system with individual fine regulation for precise centering and alignment. Selection of several drive gear rings make the unit prepared & dedicated to deliver the best for any specific flange size. Adjustable autofeed system.

### **Leifeld Metal Spinning Gmbh**

**Booth 16044**

#### **Customer Service**

Leifeld expands its customer services within the States. Besides fast and reliable spare parts service, Leifeld ensures safe and frictionless production processes with the new Leifeld maintenance agreement. Additionally, Leifeld focuses on retrofitting machines, for instance, manufactured by LEICO or Bohner & Köhle (BoKö). The brand new Leifeld Academy is addressed to companies that, in their everyday production, want to budget their machine input more efficiently.

## Nu-Age Plant Services/Fusion Welding Solutions

Booth 37090

### MammothBlast Dry Ice Blasting Machine

The Nu-Ice Age MammothBlast Dry Ice Blasting Machine provides an efficient and environmentally friendly way to clean weld cells and other areas of the plant, including tooling, exhaust and ventilation systems. Dry ice blasting is the ideal way to remove production residue, welding spatter, slag, release agents, contaminants, paints, oils and more. Sales, service and leasing options are available.

## Welding Alloys Group

Booth 36061

### Hardlite: Ultra-Thin Composite Wear Plate

Welding Alloys has introduced Hardlite. Specially adapted for applications where weight is restricted, the new ultra-thin composite wear plate is more adaptable, formable, lighter, harder and is really advantageous for moving parts. The Hardlite features an extremely refined micro-structure with high volume of chromium carbides alloying an ultra high wear resistance. A hardness level of 68 HRC is achieved.

## Material Handling/Marking

## Buffalo Shrink Wrap, Inc.

Booth 5075

### Heavy Duty Shrink Wrap

Buffalo Shrink Wrap is offering a new and improved heavy duty shrink wrap. Our new material welds together better, shrinks faster and stays tighter than previous shrink wrap.

## Bug-O-Systems/Cypress Welding

Booth 35025

### Positioning Equipment

Improve weld quality and increase production with Bug-O's complete line of Positioning Equipment. This product line includes positioners with capacities from 220-20,000 lbs standard, turning rolls with capacities from 2200-40,000 lbs standards, manipulators and torch oscillators for various types of welding applications. Larger capacities and custom configurations are also available to fit your needs.

## Dr Gold & Co

Booth 40032

### Carrymate® Non-Slip Transport Grips

Our Carrymate® Panel Grips enable a very fast and efficient transport of Metal, Glass, Granite and many more. They can lift up to 440 lbs. per pair. The user just has to slide the self-adjusting grips to the panel and both users can lift the Panels with one hand and walk in the same direction.

## LA-CO Industries/Markal

Booth 37003

### Pro-Line® HP

The New Pro-Line® HP from Markal® is taking industrial markers to a new height; delivering bright, fast-drying, durable marks wherever metals get cut, welded, punched, formed and assembled. Featuring unsurpassed writing on oily, wet, soapy or coated surfaces. Low in chlorides and halogens, Pro-Line HP can be used in many stainless steel, nuclear and other corrosion sensitive applications. Available in 14 brilliant colors.

### Silver-Streak® and Red-Riter®

Ideal for metal layout and fabrication, the new Silver-Streak® and Red-Riter® Welders Pencils by Markal® mark on all types of metal; including oily, wet or rusty surfaces. Resistant to torch flames, Markal Welders Pencils leave highly visible marks that illuminate when cutting or welding. The marks will not rub off or burn off like soapstone. They will not scratch or abrade metal surfaces either.

## Lissmac Corporation

Booth 5076

### LISSMAC Material Handling

LISSMAC offers a full range of manipulating and balancing systems for safe and easy handling of heavy metal parts. The new Posimat vacuum lifting technology allows for effortless loading, unloading, positioning, and transfer of metal parts to conveyor belts. Solutions for your ergonomic operating sequence include a wide variety of manipulators, robots, roller tracks, balancers, cable lifts, and gripping equipment designed to ensure ease of movement and ultimate operating comfort.

## Magnetic Products Inc

Booth 16043

### MPI Electric Shakers

With simplicity, adaptability and affordability in mind, Magnetic Product, Inc.'s

(MPI) patent-pending M-Series Shakers handle anything from low-volume applications to central scrap removal systems. MPI Electric Shakers boast compact footprints, excellent convey speeds and quiet operation. M-Series Shakers, which operate without the need for maintenance, spare parts or lubrication, cost far less to operate than their pneumatic counterparts, which require expensive compressed air.

## Master Magnetics Inc

Booth 38038

### Extra Long Extendable Bendable Pickup Magnet

Measures 20" long. However, unscrew the tip, extend to 36" and bend to reach items around corners or in tight locations. 3 lbs. pull. Handy to have around for collecting dropped metal items such as screws and nuts. Retrieve small ferrous items, including screws, nuts and nails, from hard-to-reach places. Each has powerful neodymium magnet in the tip, sturdy body and grip handle.

## Mayfran International Inc

Booth 16084

### Press-Mounted Shuffle Drive Systems

With the proven reliability of the Shuffle Drive system, even in the most demanding stamping environments, you will experience significant gains in uptime and throughput, reducing your operating costs and freeing up capacity. With systems typically yielding a payback on your investment in less than a year, you can quickly enhance your competitiveness in the challenging metalforming market.

## Nexen Group Inc

Booth 7064

### Spring-Engaged and Electric Rail Brakes

Nexen rail brakes are available in spring-engaged and electric models, delivering a secure hold in all ranges of linear motion control applications. RB Series spring-engaged rail brakes use spring forces to secure the load in holding applications, providing superior response time and high stopping force for e-stop and power-off situations. Both RB Series brakes configure to fit most profile guide rails including: NSK, SKF, INA, THK, IKO, HIWIN, and Star.

## Material Handling/Marking

### **Nexen Group Inc**

**Booth 7064**

#### **RLSS Series Rod Locks**

Nexen's RLSS Series Rod Locks deliver superior holding capabilities with extremely low backlash for demanding linear motion control applications where high accuracy is required. The spring-engaged, air-released series is available in a wide array of standard and custom sizes. Features a wide clamping surface to ensure high holding forces even during power/pressure loss, providing reliable precision gripping of up to 5,026 pounds, depending on the model.

### **Pannier Corp**

**Booth 13036**

#### **Portable Ink Jet Printer**

Update your marking process with the new portable ink jet printer from Pannier. Eliminate the need for hand marking with paint sticks or stencils, and enjoy error-free marking. Industrial-grade, IP65 rated ink jet printer stands up to the rigors of harsh industrial environments to reliably mark every piece.

#### **Portable Dot Peen Marker**

The M8 Portable Programmable Stamper brings the ease of dot peen marking to the fabricator's shop. The fully programmable system features a portable marking head that can be carried from piece to piece for easy, mistake-proof marking. Heavy-duty stylus creates deep marks for lasting product identification.

### **Permadur Industries Inc**

**Booth 33031**

#### **Vacuum Lifting Systems**

Vacuum Lifting Systems provide positioning handle and simplistic ON/OFF Controls to make your material handling operator friendly. Custom Designed for industrial applications with a 3 to 1 safety factor, Permadur Vacuum Systems have demonstrated their ability to provide dependable and economic way to support Plate handling/loading associated with Laser, Plasma, and Oxy-fuel cutting applications.

### **Lifting Magnets**

Electrically controlled permanent Lifting Magnets with Exclusive (-1E) Nicad Battery Power Supply (supports continuous magnet usage, no Magnet down time for battery charging) and (-RR) Remote Radio Controls for true remote Magnet operation. Permadur Magnets will not drop a suspended load due to loss of Battery Power or misoperation of controls.

#### **Coil Handling Systems.**

Coil Handling Systems utilizing patented Electrically Controlled Permanent Lifting Magnets that will not drop a suspended load due to loss of Electrical Power. Permadur designs and builds custom Magnetic and Vacuum Lifting Systems that are Made in the USA.

### **Prab Conveyors**

**Booth 15005**

#### **Scrap Removal**

For over 50 years Prab has engineered heavy-duty systems to move metal stamping scrap in continuous stamping operations. Prab manufactures Oscillator, Scrapveyor II, Magnetic, Steel Belt, Pivot Belt™, Shuttle and Quick Return (QR) conveyors for automatic distribution and load-out to centrally located containers. All have unique performance characteristics allowing Prab to engineer the best combination of equipment to best resolve your needs.

#### **Prab Quick Return (QR) Conveyor**

Well suited in stamping scrap and parts handling as single press, dedicated units, or for plant wide applications over lengthy horizontal distances. Conveying motion is attained through a rotating crank system, which changes its speed over its 360° of movement from slow to fast. Advantages: mechanical operation without vibration or springs; permanent lubrication/low maintenance, quiet; low horsepower; operating costs. Adaptive installations, flexibility in drive locations.

### **Saf T Cart**

**Booth 33071**

#### **Cradle 6-6 Wheeler**

An innovative twist to the traditional six pack with an all new design providing a lower profile and ease of movement.

### **Economy Firewall Cart**

SafTCart introduces a new economy firewall cart without compromising our dynamic design for meeting current standards.

#### **Economy E Cart**

An all new economy medical series of single and multiple cylinder "D" and "E" carts.

### **Sumner Manufacturing Co Inc**

**Booth 34070**

#### **Pipe-Mac**

The Sumner Pipe-Mac is the perfect solution for those applications where moving pipe thru the fabrication shop is a challenge. Mesh base holds fittings and tools. Vee securely holds larger pipe. You can cross stack cut pipe and move it thru the fab-shop. Handles are removable so the cart can be stacked and stowed one on another with Sumner's patented design.

### **The Crosby Group Inc**

**Booth 6160**

#### **McKissick Split-Nut Retention System**

The Crosby Group is pleased to introduce the new Patented Split-Nut Retention System for shank hooks used in standard McKissick® 380 Series and Easy Reeve® crane blocks. The new innovative Split-Nut eliminates the conventional threaded nut and problems associated with nut removal for inspection. The new retention system allows for easy inspection of the shank hook as required by applicable ASME B30, CSA Z150 and other specific crane standards.

#### **Super Terminator Wedge Socket**

The Crosby Group is pleased to announce the first commercially available wedge socket that significantly improves the termination efficiency of the high performance, high strength, compacted strand and rotation resistant wire ropes used with cranes. The mechanical system employed by the new design allows one person to overcome the "stiffness" associated with high performance, high strength, compacted strand and rotation resistant wire ropes and easily assemble the termination.

**U-Mark Inc**  
**Booth 7075**  
**Metalhead**

The new Metalhead is a refillable metal valve marker, with an extremely durable pigmented ink, available in a 2 oz. squeezable bottle. Metalhead can be refilled from pints of ink, so that it is environmentally and economically sensible. Ink is light and weather resistant, and will stick on oily or damp surfaces.

## Metal Suppliers

**Ulbrich Stainless Steels & Special Metals Inc**  
**Booth 15016**

**Gold Plated Tungsten Wire**

Ulbrich is pleased to announce a continued effort to help medical device manufacturers drive down material cost by focusing on gold plated tungsten wire as a lower cost alternative to platinum and platinum alloy materials. With costing multiples less than platinum and its alloys, gold plated tungsten solders easily, has a tensile strength of 400 KSI and is available in various plating thicknesses.

**Ultralite Foil**

Ulbrich Stainless Steels & Special Metals has dedicated itself to being one of the premier producers of stainless steels and specialty metals. Ulbrich has expanded to now roll foils down to .0005" (.0127mm). These sizes are available in various alloys.

## Other Machinery/Equipment/Parts/Products

**AIM inc**  
**Booth 2005**

**AccuForm Compact Enhanced**

A new revised Compact 3D machine is introduced, the highly robust and efficient AccuForm Compact. With up to 10mm wire capacities sets new benchmarks for cost effective, automatic wire bending operations. Starting at \$90,000 complete with Industrial PC running Windows® XP Pro and SmartEditor®, AIM's unique programming package, plus a host of features previously available only on much more

expensive machines, AIM resets the bar for wire production automation.

**Alliance Manufacturing Inc**  
**Booth 15071**

**Aquamaster CB-1200E**

The "Aquamaster E-series" is a compact parts cleaning system designed for the inline cleaning and drying of a wide variety of manufactured components. Coolant, chips, oil and other manufacturing soils are removed from parts with minimal floor space required. Multiple process zones are available. Standard conveyor system includes a flatwire belt, multiple product widths and belt materials are available.

**Ameritherm Inc an Ambrell Co**  
**Booth 3072**

**EKOHEAT Compact**

The EKOHEAT Compact model is versatile, rugged & easily integrated into existing manufacturing cells. The power control system delivers output power from 100W to 15kW with 100% duty cycle at output frequencies from 50 to 150kHz. Ambrell's new AutoTap technology is used for challenging applications where steel is heated through Curie temperature, automatically adjusting for the varying electrical load during this transition.

**EKOHEAT Lower Frequency Systems**

Ambrell announces the expansion of the EKOHEAT line of induction heating systems with lower frequency (7-15 kHz). With full scale output power ranging from 35kW to 500kW, these CE-marked systems are equipped with the EKOHEAT power control system that efficiently delivers power to the part with significant cost savings for the heating phases of your manufacturing processes.

**CleanParts.com**  
**Booth 15073**

**2836F Front Load Parts Washer**

CleanParts.com, a manufacturer of industrial parts cleaning equipment, will be exhibiting the model 2836F at the upcoming FABTECH show. The system is designed for cleaning a wide variety of manufactured parts. The model 2836F is an environmentally friendly system which removes chips, oil, grease and other unwanted contaminants from manufactured parts. The 2836F features a "Roll-in-door"

design, which saves on valuable floor space and improves accessibility.

**Darex**  
**Booth 7044**  
**LEX350/LEX 351**

The new Darex LEX350/LEX 351 Small Drill Attachment, enhances the use of the XT3000 sharpener. When you purchase this attachment you'll receive a 360 grit wheel in either Borazon or Diamond and a newly designed chuck that sharpens 1.5mm -7mm. This is one of three new DAREX XT3000 attachments that will be displayed at FABTECH.

**Common Shank Diameter/Morse Tapper Chuck(SA16402TA)**

This modified 3mm-12mm chuck for use on the XT3000 drill sharpener allows you to accurately grip drills with increased shank diameter found on Common Shank and Morse Taper Shank drills. This is the second of 3 new attachments for the XT3000.

**Diversi-Tech Inc**  
**Booth 39071**

**Green Filter Cleaning Machine (GFCM)**

Diversi-Tech's Green Filter Cleaning Machine (GFCM) is designed to clean and extend the life of filters. The GFCM will substantially reduce filter replacement cost as well as disposal cost. The GFCM is a stand-alone unit that will clean most cylindrical filter cartridges. The unit is adjustable and accepts a range of different filter sizes. Help the environment, produce less landfill.

**DSI/Dynamatic (Drive Source Intl)**  
**Booth 15012**

**Digital Press Drive Controls**

Digital Eddy Current Press Drive Controls, including the PDC-2000, EC-2000 and All New EC-2000 CES Press Drive Control for any size stamping presses.

**Edwards Manufacturing Co**  
**Booth 13091**

**40 Ton Jaws "IV" Ironworker**

The 40 Ton Jaws IV Ironworker features 4 available workstations, incorporates a universal open tooling cavity, 10" bar shear, universal punch station, electric foot pedal and electric stroke as standard features.

## Other Machinery/Equipment/ Parts/Products

### **ErgotecH Inc**

**Booth 13116**

#### **Ergo Chief**

ErgotecH Inc. is releasing a new compact, ergonomic work positioner providing full 360° infinitely variable, bi-directional speed rotation as well as a full work height adjustment. The positioner's mounting plate features multiple concentric bolt channels that easily accept any user applied tooling, parts, etc. The positioner feature state-of-the art electronic regenerative variable speed control (0-17 RPM) and safe rotation reversal at any time during operation.

### **Gibson Parts & Equipment Inc**

**Booth 7012**

#### **Gibson 36x48 Hanger Blast**

Introducing the Gibson 36x48 Hanger Blast with Monorail system. This "high octane" blast machine is ideal for parts that should be hung and blasted individually or in multiple pieces. Standard features include two 7.5 Hp blast wheels, 20" airwash separator, and two trolleys mounted on a manual Y-track monorail system. Machine operator can unload and reload parts while another set is being blasted.

### **Kent Corp**

**Booth 15044**

#### **ID Scarf Mandrels**

Kent now offers ID Scarf mandrels. The new ID Mandrels are manufactured from high quality material for increased life. Kent's mandrels will accept a variety of rings. Kent has recently acquired South Services and has a full line of OD and ID inserts using very high quality carbide and coatings. Kent offers different angles for the ID rings along with hones so you have the right tool for your application.

### **Keteca U S A**

**Booth 14033**

#### **Water Works**

Keteca Water works manufactures precision cleaning solutions that exceeds the highest standards in the industry for environmental health and safety compatibility and performance. Keteca WW products are Green Seal certified, Aerospace certified and

certified as a clean air solvent with SCAQMD. Manufactured for industrial parts cleaning, general maintenance cleaning, industrial floor cleaning and all purpose cleaning applications.

### **Leifeld Metal Spinning GmbH**

**Booth 16044**

#### **Metal Spinning Technology**

Leifeld will display and run sample parts on its 2009 PNC 106 metal spinning machine. Currently, Leifeld has introduced updates to its play-back/CNC spinning control, a new version of its spinning offline software and various mechanical upgrades to its spinning machines. Take advantage of the new bus system that minimizes the machine's wiring and simplifies the electric system.

### **Lissmac Corporation**

**Booth 5076**

#### **SBM-D**

True to our innovative technology; "processing both sides in one single pass", LISSMAC introduces a machine for slag removal. The SBM-D Deslagging Machine uses four tool belts (two on top and two working from the bottom) that run perpendicular to the material feed direction. Equipped with "power steel pins" they mechanically remove all slag from inside and outside edges of plasma and oxy fuel cut parts up to 4-3/4" thick.

### **Magnetic Products Inc**

**Booth 16043**

#### **Micromag**

The Micromag is a high-intensity magnetic filter which significantly improves filtration efficiency. It uses high-power neodymium Rare Earth magnets to remove ferrous and paramagnetic contamination from fluids and is particularly effective with machine tool oils, coolants and hydraulic fluid machinery systems. The Micromag does not use any filter consumables. Removed contamination can be recycled, eliminating disposal costs. High filtration efficiency means lubricants and coolants last longer.

#### **Power Matrix**

The Power Matrix, a high-performance, electro-permanent magnetic chuck, offers exceptional power, with 150 ton /m<sup>2</sup> of magnetic pull, enabling huge holding forces to be generated on even modest-sized workpieces. Stepped or

shaped workpieces are easily and effectively clamped with optional pole extensions. Power Matrix provides a cost effective way of work holding, enabling users to easily machine a number of faces in one single operation.

### **Pangborn Corp**

**Booth 9136**

#### **Genesis Wheel**

The Genesis Wheel offers easy assembly and maintenance, and front-of-housing access to runnerhead equates to full assembly in less than one hour. Dual-tapered vanes eliminate "shot locking," long-lasting parts, replaceable housing liners, tight tolerances result in significantly less wear. Economical operation, simplified maintenance, faster cleaning cycles and high longevity of parts, increased safety, an integral U-shaped feed spout safety lock, and rapid release vanes.

### **Phoenix International Inc**

**Booth 31003**

#### **Phoenix DryRod 40HT**

Phoenix is proud to announce the launch of the DryRod 40HT electrode rebaking oven. The 40HT has a 400lb (182kg) capacity with a maximum temperature capability of 800°F (427°C). A programmable temperature controller allows for customized temperature profiles. The oven occupies 15% less space and weighs 30% less than competing models.

### **Timesavers Inc**

**Booth 9055**

#### **Model 2221-23-05**

Deburring small parts is often not possible on a typical widebelt sander. Timesavers Inc will demonstrate two new models capable of deburring parts down to 1" square without the use of a vacuum bed or magnetic chuck.

### **Wittenstein Inc**

**Booth 8047**

#### **TPM+ Power Rotary Servo Actuator**

This rotary actuator sets the tone in highly dynamic, linear applications using rack & pinion or ball screws, as well as in rotary applications with high masses and disturbance forces. The newest member of the Wittenstein TPM+ actuator family, brings robust power to the world of motion.

## Plate & Structural Fabricating

### Burlington Automation

Booth 12055

#### PythonX Structural Fabrication System

PythonX Structural Fabrication System does the work of a Beam Drill Line, Band Saw, Coping Machine, Angle Fabrication Machine and a plate/bar line. By doing all structural fabrication on one machine, PythonX users produce at the lowest cost because they eliminated material handling between operations and automated structural fabrication of bolt holes, copes, cut to length, labeling, weld prep bevels, stair stringers and beam splitting. Structural Steel Fabrication reinvented.

### COLE-TUVE, Inc.

Booth 8137

#### NC Controlled 4-Roll Plate Bending Machines

COLE-TUVE's fully hydraulic 4-roll machines are offered with an optional NC Control that is state-of-the-art. Very simple to learn and operate, it is priced to be affordable. Digital readouts, cone bending and hardened rolls all standard. Sizes from 3' to 13' by 5/32" to 2".

### COMEQ Inc

Booth 9061

#### PARMIGIANI Plate Bending Rolls

PARMIGIANI Plate Bending Rolls are available in lengths up to 30' and thicknesses of 10". Machines are available in 3-roll double-pinch, 3-roll variable axes, 4-roll double-pinch and special shipbuilding and aircraft forming rolls. Machines feature state-of-the-art electronic and hydraulic systems and the option of CNC controls (retro-fittable if not ordered with the machine). All driven rolls feature planetary gear assemblies. A self diagnostic system for the electronics is standard.

### Controlled Automation Inc

Booth 12061

#### DRL-348MT

The newest addition, the DRL-348MT high speed production drill line has been designed to provide the maximum productivity, while using less floor space, at the cost of an entry level structural drill line. With a maximum material width capacity of 48" combined with the 1000 lb/ft conveyor

system, the DRL-348MT is able to process even the largest of structural members.

### Euromac LLC

Booth 9060

#### Kuhlmeyer Beveling Machine FF3.1

Kuhlmeyer's new generation of Beveling Equipment is introduced to the U.S. market for the first time during FABTECH. A whole range of products from small to over 50' long is available with material removal rates of up to 8 inch/min. Nothing creates a more precise bevel at this speed and accuracy.

### FICEP Corporation

Booth 9131

#### Gemini 254 CNC Gantry Style Plate Cutting System

Ficep Corporation will introduce the Gemini 254 CNC gantry style plate cutting system (plasma/oxy-fuel) with high performance machining spindle. The addition of the spindle (8,000 RPM) to the system provides drilling, tapping, countersinking, marking and milling, etc. The Gemini features a secondary "X Axis" so it is not necessary to always reposition the gantry for each hole as the spindle moves internally within the bridge to enhance productivity.

#### Type C 16 CNC Punch, Plasma and Drill System

Ficep Corporation will introduce the Type C 16 CNC punch, plasma and drill system. The system features high speed hydraulic punching in sheets up to 244" in length. A high performance machining spindle with tool changer is incorporated into the system, and a separate 38 position hydraulic alpha numeric marking system is used to establish permanent part number marking of the various parts that are generated from the nest.

### GBC Industrial Tools

Booth 33002

#### GBC EDGE 46

GBC EDGE 46 plate cold beveling machine range w.t. 5/16" to 2 3/8", stepless variable bevel angle 15° to 60°, high speed milling cutter, high grade surface finishing. Self propelled in feeding once positioned on the plate edge. Can be equipped with hydraulic adjustable trolley for travelling along big size plates

without use of any crane or lifting device.

### Haco-Atlantic Inc

Booth 12117

#### Heavy Duty Plasma Cutting Machines

HACO just added a full line of heavy duty plasma cutting machines to their sheet metal fabricating equipment products. The customers can choose between a variety of conventional and high definition US build Hypertherm® plasma sources. As usual, HACO uses the latest CNC control with additional CAD/CAM cutting and nesting software. HACO also offers specialized software for ductwork.

### Hougen Manufacturing Inc

Booth 12090

#### HMD925S - Swivel base Mag Drill

The HMD925S Swivel Base Mag Drill features the patented Hougen swivel base design. The swivel base allows the operator to precisely line up the pilot with the holes center location. This increases operator efficiency and accuracy. The drill includes a gravity fed coolant bottle, Hougen safety features, and smart technology to optimize feed rates for increased tool life.

#### HMD508 Magnetic Drill

The HMD508 Magnetic Drill is a powerful magnetic drill with a new high speed gear box that includes two speed selections. The higher speed is designed for use with Hougen Copperhead Carbide Tip Annular Cutters. The drill features a patented quill fed arbor system for smooth cuts and maintenance free operation. Other benefits include positive slug ejection, the Hougen lift detector safety system, and a gravity fed coolant bottle.

#### HMD914S - Swivel Base Mag Drill

The HMD914S Swivel Base Mag Drill is a versatile and powerful magnetic drill with positive slug ejection and a high torque motor. The drill is equipped with Hougen safety features and the patented swivel base allowing precise positioning of the pilot in all drilling positions including, horizontal or overhead drilling. The HMD914S includes a gravity fed coolant bottle, easy to switch feed handles, and a one year warranty.

## Plate & Structural Fabricating

### Jancy Engineering Inc

Booth 5091

USA 101

Jancy Engineering introduces the new Model USA 101. Designed to use the company's line of Slugger® annular cutters, this magnetic drill includes more than 12 new or improved features which make its operation easier, faster and more economical. Features like illuminated control buttons, an integrated coolant supply feeding through a shielded arbor that provides positive ejection, a patented internal motor cord, and an industry exclusive detachable power cord.

### Jorgenson Machine Tools

Booth 9071

**DURMA Plate Roll**

Heavy duty plate roll.

### MegaFab Whitney / Piranha /Bertsch

Booth 9003

**Whitney 3400 Heavy Plasma-Punch Combination Machine**

See Whitney's New 3400 Heavy Plasma-Punch combination machine. Bigger and heavier than our 3400 XP.

### Scotchman Industries Inc

Booth 9097

**Hydraulic Hold-Down to Ironworkers**

Scotchman Industries in Philip, South Dakota, introduces its new hydraulic hold-down for the shearing station. When the ironworker is shearing, the hydraulic hold-down clamps the material tightly. This eliminates movement of the material and ensures squareness of the cut. This new option, available for most of Scotchman's ironworker models, speeds production, increases operator efficiency, and eliminates waste.

**Urethane Stripper for the Punch Station**

Scotchman's new urethane stripper for the punch station is designed to maintain flatness of the material being punched by keeping constant pressure on the material, through the punch and strip cycle. When punching close-center holes in metal, the urethane stripper prevents marking and deformity of the material. Scotchman Hydraulic Ironworkers, with this new

optional feature, allow punching of material from minimum to a maximum plate thickness.

## Press Brakes

### ADIRA SA

Booth 11105

**Guimadira Press Brake & Shear**

The new Guimadira line offers the market best cost-benefit ratio. Guimadira is the perfect choice for effective cutting and bending of sheet metal. Guimadira machines are entirely designed and manufactured in Europe by Adira. Guimadira means a clever design validated by experience and the frame, the basis of your machine, is manufactured with the utmost precision and accuracy.

### ATEK Corp

Booth 5085

**Atek Bantam & PM Series**

Atek Corporation introduces the new Atek Bantam Model B1024, a 10 ft x 24-ton press brake and the PM Series Model PM1042, a 10 ft x 42-ton press brake. The 24-ton machine bends a 10 ft length of 14 ga. mild steel and the 42-ton bends a 10 ft length of 10 ga.

### Y-Axis Control

Atek Corporation offers the new Y-axis ram stroke control with a DRO for all new or old press brakes. With this option, the operator can quickly, easily, and repeatable set any bend angle. It is offered in either a front-adjust or rear-adjust version.

### Front-Adjust Back Gauge

All Atek Corporation press brakes, new or old, accept this front-adjust back gauge with an optional DRO for accurate positioning. Rotating the handle drives two ball screws that move a common full-length crossbar. The crossbar is vertically adjustable and two stop fingers mount in multiple positions down its length.

### Bystronic Inc

Booth 6061

**EP Series (mid-range) Press Brake**

Bystronic will introduce introduced a new version of their popular mid-range press brake, the EP Series. The EP comes equipped the Cybelec DNC 880S 2D control which is capable of

automatically selecting bend sequences. The EP features standard active hydraulic crowning that is capable of delivering exact bend angles across the entire length of the bed, as well as an optional 4-axis back-gauge system.

### KNUTH Machine Tools USA Inc

Booth 5029

**Hydraulic Press Brake**

Knuth Machine Tools offers the AHK D series CNC Press Brakes with 3-axis Cybelec DNC 60 Control. Equipped with repeatability of 0.0004" and a break force from 80 to 440 tons, the AHK D series has a brake length of 98" to 240". Plus, the AHK D features honed and chrome-plated hydraulic cylinders for maximum durability and years of service.

### Torque Technologies Inc

Booth 17085

**Goizper Servo Press Brake**

Torque Technologies is introducing the new Goizper Servo Press Brake for servo driven presses and other machines. It is a safety brake that is mechanically engaged and can be provided with pneumatic or hydraulic release. Cost/performance advantages include low inertia and fast response. The Goizper servo press brakes are designed in a range of sizes. Special noise reduction designs are available.

### Goizper Complete Press Drive

Torque Technologies is introducing the new Goizper Complete Press Drive. This drive assembly includes the high performance Goizper clutch-brake, the flywheel and an optimized planetary gear set. Cost/performance advantages of the Goizper design include high speed/low inertia for high cycle rates, low power loss during single-stroke and shorter brake angles. The Goizper Complete Press drive has a range of sizes and can be modified to customer specifications.

### Wila USA

Booth 6105

**Wila Pneumatic Clamping Systems**

Wila introduces a new line of Pneumatic Clamping Systems for both its New Standard and American style precision press brake tooling. Tools are automatically clamped, seated and aligned in seconds over the machine length. The Pneumatic Clamping Systems are being offered at lower

cost than the hydraulic models to make it possible for more customers to take advantage of Wila's quick-change, high precision tooling systems.

### **Wila Crowning Systems with Pneumatic Clamping**

Wila introduces Crowning Systems with pneumatically activated clamping pins to automatically clamp, seat and align single V-dies in seconds. Crowning models with Pneumatic Clamping feature the "Wila Wave" bed deflection compensation system for proportional crowning over the full machine length from a single point adjustment. Available for any length and tonnage press brake, new or used.

## **Punching**

### **Boschert Precision Machinery Co Booth 9137**

#### **CU-Profi Copper Bus Bar Center**

The new CU-Profi from Boschert brings faster processing, more accuracy and reliability and a smaller footprint to copper bar processing. Thick turret tooling is simply and quickly changed. Capacities to 1/2" thick, 8" wide and up to 20' bar lengths fit a wide variety of parts in a very affordable, high speed, high precision machine.

#### **Easy Sharp Tool Grinder**

A completely new version of the Boschert Easy Sharp punch and die sharpening machine includes simpler tool holding, larger motor and wheel options. This affordable tool sharpening machine is ideal for tool rooms or next a CNC punching machine.

### **Euromac LLC Booth 9060**

#### **MTX FLEX**

The MTX Flex combines a revolutionary new Hydraulic for higher Ram Speed and better Ram Accuracy with the ability to ad very affordable load/unload automation in machines with up to 60" throat and up to 60 tools in the turret.

### **Kentucky Gauge Hymark Booth 5055**

#### **KE Auto Ironworker Machine**

KE automatic ironworker system will increase your efficiency in producing quality finished parts. Ideal for punching

and shearing applications, the KE ironworker system may be used in semi or fully-automatic modes. As an automatic length stop or push feed system, the easy to use controller stores up to 3000 lines of program memory for producing your required punch-lists. Programmed punch-lists may also be downloaded from your PC.

### **Planit**

#### **Booth 8097**

#### **Nest Projects**

Radan announces our latest enhancement for True Shape Nesting which allows increased visibility of the nesting performance, remnant tracking and creation, combined with a simple interface for MRP integration. Our Nest Projects enhancement accommodates production changes effortlessly by allowing you to visualize multiple nests, change priorities, and automatically or manually control nesting functions.

## **Resistance Welding**

### **Hess Industries Inc**

#### **Booth 5067**

#### **EcoWELD Mid Frequency Band Butt Welding System**

Hess Industries introduces the new EcoWELD, Mid-Frequency DC Weld Control System used for wheel rim band and general cylindrical part production and designed to dramatically reduce energy consumption while improving the weld, reducing scrap and decreasing weld cycle time. Retrofit your current AC or DC, Flash or Flashless welder today and save 30% to 50% in energy cost going from DC or AC respectively. All major components are available worldwide.

### **Koyo Giken Inc**

#### **Booth 8101**

#### **"Easy-Setting" Timer for MYSPOP**

Our unique touch panel monitor, "EasySetting® Timer" will give you a recommended welding parameter by two touches. Select material type and thickness. Welding data is accessed automatically. This timer is also equipped with a cooling cable diagnostic system. It sure is as Easy as "One, two, Spot."

### **Soutec LTD**

#### **Booth 38096**

#### **Welder for Rectangular Ducts**

We now have a welder to weld rectangular ducts. The machine can weld ducts with a minimum size 6"x 6" in galvanized, aluminized and stainless steel. The material thickness varies between 0.0157" to 0.039" with a minimum length of 8" to a maximum 60". Furthermore it is possible to stitch or continuously weld for air tight ducts.

### **The Ohio Nut & Bolt Co**

#### **Booth 39083**

#### **Hex Weld Nuts**

The Ohio Nut and Bolt Co and Buckeye Fasteners are now offering larger size weld nuts and DIN 929 spec weld nuts as stock items. Our new line of larger nuts includes 5/8-11 to 3/4-10 and 3/4-16 projection weld nuts. The DIN 929 lines come in both carbon and stainless steel ranging from 3mm to 16mm.

### **Leg Levelers**

Expanded product line includes 5 different sizes of our FH style leveler, with a dog point adjustment on the terminal end. These new offerings come in sizes ranging from 5/16x18 to 1/2x13, and can be adjusted using a socket or open end wrench.

### **RW Weld Screws**

We are now offering our RW Style weld screws, with a ring projection, in 1022-heat treatable carbon steel. They are available in both inch and metric thread Sizes and a variety of lengths, ranging from 5/8 to 1-1/2 inch, and 16mm to 40mm metric.

## **Robotics**

### **Compco Industries**

#### **Booth 15042**

#### **High Definition Plasma Cutter**

Compco Industries is pleased to announce the expansion of their business with the addition of their high definition plasma cutter. The new product capabilities combine state of the art technology and fully automated robotics to effectively respond to the growing demands of their customers and the industry. The new machinery will lead to the development of new product as well as the full customization of all of their existing products.

## Robotics

### **FANUC Robotics America Inc**

**Booth 33003**

#### **R-2000iA/80F High-Speed, Compact Robot**

The new R-1000iA/80F is FANUC Robotics' latest robot designed for spot welding and material handling processes. It's compact and offers FANUC's world-renowned motion performance, making it an ideal solution even in high-density work cells with space constraints. In addition, it can be floor or invert mounted, and has a large work envelope.

### **Kawasaki Robotics (USA) Inc**

**Booth 34098**

#### **E Controller**

The New technically advanced Kawasaki E Controller incorporates a new high speed processor to provide precise path control, faster program execution, along with a host of features and advance capabilities.

#### **ZZH100 Robot**

The new Kawasaki ZZH100 Robot incorporates a high payload capacity arm (100kg) with a compact design. The ZZH is ideal when manipulating heavy payloads in a small work space. Applications Include: Spot Welding, Material Handling, Grinding, Deburring, Polishing, etc.

#### **R-Series Robots**

New line of Robots starting at 5KG carrying capacity up to 80KG with a variety of arm lengths to choose from. This new series incorporates industry leading speeds, compact designs, with a host of new features.

### **Motoman Inc**

**Booth 35065**

#### **SDA10D Robot**

Motoman's dual arm SDA10D robot with the new dynamic DX100 controller features 15 axes of motion and "human-like" flexibility. Its dual 7-axis arms can work together or independently with superior dexterity to perform complex tasks. The SDA10 is ideally suited for assembly, part transfer, machine tending, packaging and other handling tasks that formerly could only be done by people.

### **New Form Tools Ltd**

**Booth 4039**

#### **Automation and Robotics**

New Form Tools is regarded by some Automotive manufacturers as their number one source for Work Cell Automation and Robotics Integration. Highly skilled professionals design and integrate product manufacture and testing in order to reduce or eliminate labor inputs.

### **Servo-Robot Inc**

**Booth 31035**

#### **RoboFind SF/D-H Seam Finder**

Servo-Robot Inc. presents a new line of RoboFind products for seam finding applications. The three compact systems, with on-board controller and powerful software, allow robotic welding cells to produce more parts with better quality. This is done by using laser vision sensing to compensate for part and fixture repeatability thus keeping the wire precisely located in the weld seam.

#### **AUTOTRAC/MINI**

The AUTOTRAC/MINI system is designed to perform automatic non-contact seam tracking. It is ideal for replacing tracking done manually or with a mechanical probe. It easily adapts to equipment already in place. The complete operation of the system is done with an easy to use ergonomic teach pendant. The system is designed for seam tracking of long seams found on products such as Spiral Pipe, Tube, and Ship Panel Stiffeners.

#### **MWR-350 Mobile Welding Robot**

This mobile robot is the perfect upgrade for welding presently being done manually or with tractors to achieve improved productivity, quality and welder safety. The robot is fully programmable for both the location positions and the control of the welding parameters. It works in all positions and on any type of joint. Robot is "sensor ready" so seam tracking, process monitoring and a GPS can be easily added.

## Safety & Environmental

### **A & A Manufacturing Co**

**Booth 13040**

#### **Portable Weld Curtains**

New weld curtains provide unmatched portability and versatility. Set up and break down in seconds, the curtain can be transported to new working stations easily with its smooth, durable roller wheels. Retractable curtain allows for easy storage. Heavy-duty steel construction provides years of use in a manufacturing environment.

### **Ace Industrial Products**

**Booth 37050**

#### **Wall Mounted Fume Extractor, Model 73-501**

Ace Industrial's 73-501 is a wall or column mounted high volume system for welding fume extraction and filtration. This powerful and flexible extractor is designed for work areas having limited floor space yet still require effective filtering performance for Hexavalent Chromium control. The Ace 73-501 is available in single and dual arm models, with lengths ranging from 7-14 feet. The system is all steel constructed and Made in the USA.

### **AQC Inc**

**Booth 38132**

#### **Miniroll**

Portable filtration unit for welding fumes and light grinding dusts with fume arm.

### **ArcOne**

**Booth 32071**

#### **ArcOne Carrera**

ArcOne introduces a variable shade Auto Darkening helmet and filter combination including shades 9-13 sensitivity, delay, and grind all for the price of a single shade.

#### **ArcOne Hard Hat PAPP**

ArcOne's® new Clean-Air Flow™ respiratory system with Hard Hat is the first of its kind allowing welders to retrofit any ArcOne welding helmet into a Hard Hat respiratory system. Now there is no need to throw away old welding helmets to convert to respiratory protection, simply purchase the respiratory system in the configuration of your choice and then use your existing ArcOne welding helmet.

### **ArcOne SE-5000 Series Safety Glasses**

The newly redesigned 5000 Series safety glasses combine Style and comfort in an incredibly lightweight frame. The 5000 series comes in 8 different configurations including IR3 & 5 for cutting, and polarized for outdoor activities. Outdoor mirrored versions available in Ice blue and red Revo as well as silver. These glasses are so comfortable you will want to wear them all the time.

### **AVS Industries LLC**

**Booth 39075**

#### **Sewing Thread SGT-24 I Series**

AVS Sewing Thread SGT-24 I Series are high temperature resistant threads made by twisting together S-2 Fiberglass and strands of Inconel Steel Wire. The thread is intended for high temperature sewing applications with service temperatures up to 2,000°F (1,100°C) requiring good seam strengths. Properties Construction, Strands of Inconel: 3, Coating: PTFE, %: 15, Lubrication, Silicone, Oil: YES, Diameter (inches): 0.024, Tensile, lbs.: 25, Final Twist: "z", Yield, yds./lb.: 1,000.

#### **AVSil 124CH**

AVSil 124CH is a medium weight silica fabric for the protection of equipment and personnel in high temperature applications. Silica fabric can withstand continuous temperatures up to 1,800°F (1,000°C) for short periods of time. This material is available in 36" and 60" widths. Physical Properties, Color: Tan, Silicon Dioxide Content: 96% or Greater, Normal Weight: 24 oz/yd<sup>2</sup> (800 gms/sq.m.)

### **Clean Air Consultants/Filter 1**

**Booth 31020**

#### **Rolleratron**

A true 1500 CFM, 3-cartridge self-cleaning portable for tough welding, hard surfacing and air carbon arc.

The Rollatron has 50-100% more filter area and 50% more airflow than most competitors along with larger capacity and higher efficiency Nanofiber membrane cartridge media.

#### **Weldtron**

An institutional workstation is ideal for the teaching of students to weld. 2000 CFM of air moves the welding smoke away from the breathing zone with a 1HP, 120v motor blower. Capture of the welding smoke is accomplished in 8 filters - 4 prefilters, Merv 8 and 4 final

filters, Merv 14. The sound level is less than 70DB and it is a completely lighted, adjustable insulated weld table.

### **Cordstrap USA Inc**

**Booth 7104**

#### **Cordstrap® Dunnage Bags**

Cordstrap® Dunnage Bags are specially designed inflatable bags used for stabilizing and securing cargo inside containers, railcars, trucks, and ships, preventing transit damage.

Industrial Cordstrap® Dunnage Bags are placed in the void between the cargos. When inflated they form a 3-dimensional bulkhead thus preventing the cargo from shifting.

#### **Cordstrap® Woven Polyester Lashing (CW)**

Cordstrap® Woven Polyester Lashing (CW) is increasingly used to secure cargo in excess of 100 metric tons. Manufactured from high tenacity polyester yarn, Cordlash® woven lashing replace conventional load-restraint products like heavy duty steel strapping, wire rope, chains, ratchet straps and greatly reduces or eliminates the need for wood blocking and bracing.

#### **Cordstrap® Composite Strapping (CC)**

Cordstrap® Composite Strapping (CC) the latest development in non-metallic shipping strapping technology and most commonly used. Incorporating all the benefits of bonded and woven poly strapping, Composite strapping offers additional advantages like high abrasion resistance and the highest possible joint efficiency in the buckle. Cordstrap® Composite Strapping can be applied in a limitless number of applications.

### **DualDraw LLC**

**Booth 33028**

#### **Self Cleaning Downdraft Table with Patented Design**

DualDraw's new self cleaning downdraft table uses the patented DualDraw airflow design combined with leading edge self cleaning filter system technology. Designed to maximize operator safety and filter cleaning efficiency, the new self cleaning unit is ideal for heavy-use applications. Available in multiple sizes to fit most operating environments.

### **Redesigned Portable Downdraft Table - The PT2032**

The redesigned PT2032 Portable Downdraft table is more versatile, efficient, and safe. Specifications include: 21% reduction in footprint size, 20"D x 32"W surface; 39"D x 32"W x 52"H footprint, baffling system re-engineered for fire safety, low (1200) and high (2000) CFM options, 115V single phase, replaceable pleated filters; HEPA available.

### **Jackson Safety**

**Booth 32043**

#### **Jackson Safety 370 WELDING HELMET HEADGEAR**

Jackson Safety 370 Welding Helmet Headgear has been designed to provide innovate solutions and function above and beyond competitive headgear in the market. The 370 is truly a revolution in Headgear technology, unique vertical lock-in eliminates helmet creeping, three-position slider adjusts distance of the lens from your eyewear for precise vision, oversized ratchet with soft rubber grip allows for adjustment when wearing gloves.

#### **Jackson Safety Halo X Welding Helmet Graphic Shells**

The new Halo X Welding Helmet graphic shells that feature Jackson Safety Auto-Darkening Filter (ADF) technology are now offering graphics that are designed to fit every personality. The extreme-lightweight Halo X shell only weighs 6 oz and is available with legacy NexGen or BOSS ADF units. The new Halo X designs include, Ace of Spades, Arc Angel, Carbon Fiber, Renegade.

#### **KLEENGUARD\* M10**

The KLEENGUARD M10 Dual-Valve Respirator offers a combination of innovative features and benefits to help ensure compliance with PPE protocols for respiratory protection in the workplace including: Proprietary dual-valve design that directs exhaled air down and away from the face, to help reduce eyewear fogging. A one-inch wide adjustable head strap unlike any other on the market. Close-cell foam nose seal with cloth covering that enhances comfort.

## Safety & Environmental

### John Tillman Co

Booth 33089

#### Model 50 MIG Glove

Tillman's new feature loaded MIG glove, made with long lasting top grain cowhide palm with cowhide split reinforcements. Cowhide split back with elastic for best fit, top grain index finger for best feel. Fleece lined for added heat protection without the bulk. 4" cuff for added protection. Completely sewn with Kevlar thread. Sizes M, L, XL.

#### TrueFit 1478 Winter Lined Hi Vis

A new addition to the popular TrueFit winter mechanics style glove line. The 1478 features a top grain pigskin double palm/thumb for added durability. Back of glove is made from high visibility orange nylon spandex with added 3M reflective tape for greater night time visibility. Elastic cuff with hook/loop closure provides secure fit with less bulk. Sizes M, L, XL.

### Miller Electric Mfg Co

Booth 34071

#### Arc Armor™ PAPR

The Miller Arc Armor™ PAPR (Powered Air Purifying Respirator) features a blower that is 1.3 lbs. lighter than the leading competitor and incorporates a Miller-exclusive belt/shoulder strap design for maximum comfort. The Arc Armor PAPR features a lithium ion battery with no memory retention from frequent charging, dual air speeds for maximum comfort in varied work environments and audible and vibrating alarms for use in noisy workplaces.

#### FILTAIR™ MWX-D

The Miller FILTAIR™ MWX-D Mobile Fume Extractor uses nanofiber filter technology to capture up to 95 percent of the smallest welding fume particulates, more than any of the competing brands. The FILTAIR features heavy-duty construction, including a durable, industrial-grade metal cabinet and extraction arm, and a powerful 875 CFM airflow combined with a large bell-shaped hood captures fumes at a greater distance with less repositioning.

### Nutron Nameplate Inc

Booth 8079

#### FMA Approved ANSI/ISO Safety Equipment Signage

The FMA Safety Council has selected and recommended standard ANSI/ISO safety signage for fabricating equipment. Nutron has now made them available as individual signs or sign kits.

### Oskar Air Products Inc

Booth 34042

#### Customized Welding Booths

Oskar's standard and custom welding booths offer users with several options to meet their requirements. Oskar provides a solution for every welding booth or cell. We provide 3-D drawings and AutoCAD to see visually the layout and end product. Installs have ranged from technical colleges to Westinghouse's nuclear training facilities.

#### SPC-750x

Oskar's new SPC-750x portable unit comes with optional Roll Media (wet or oily particulates), HEPA filter, Carbon Cartridge, 6'dia. blast gate and Fume Arm option of either 2-4"dia. or 1-6"dia. fume arm. The unit comes standard with UL approved control panel, 1.5 hp motor and impeller, 3-stages of filtration, external dust drawers, power cord and casters.

#### Type II Dust Collector

Oskar's Type II Dust Collector is designed for heavy loading applications like Plasma and Laser cutting. The patented design of the Type II utilizes internal cyclones and cartridges. The internal cyclones reduce the air flow so large particulates fall into the dust drawers only allowing the smaller particulates to be filter by the reusable internal polyester spun bond cartridges.

### Oxylance Corp

Booth 32088

#### Cool Shirt by Oxylance

Personal cooling system for working in hot environments. Keeps personnel cool and comfortable in high heat conditions.

### Primax Mfg & Trading Inc/ Caiman Gloves

Booth 39033

#### 1832 - Welding Glove

Black Gold Revolution® II Welding Glove, exclusive Caiman® original Kontour™, supple genuine American

deer grain tanned in the U.S.A., exclusive Caiman® cool-design utilizes corrugated Aerofoam™ & perforated leather to disperse heat off the back of hand, exclusive Boarhide™ wraparound index trigger patch, palm and lean-on patch, exclusive Caiman® reverse-xcaloloped Tuff-Steer™ cuff for protection against sparks & spatter, unlined & padded palm with wool insulated back, free 3" Carabineer, sizes: M-XL.

#### 2970 - Welding Glove

Genuine American Deerskin M.A.G.™ Multi-Activity Gloves Series, heavy genuine American deerskin leather, champion of comfort and durability, truly washable leather, dries soft, internal padded palm for extra comfort and snug fit, free 3" Carabineer, sizes: S-2XL.

#### 1878 - Welding Glove

Mega-Long 21" Genuine American Deerskin Welders. Exclusive Caiman® Original Kontour™ form-fitting design, 21" glove with heavy duty padding on the forearm and elbow for comfort & protection, supple genuine American deerskin tanned in U.S.A., Boarhide™ leather heat shield patch, reinforced palm, cuff and lean-on patch, perforated Boarhide™ leather on the forearm for breathability, sock-lined FR cotton fleece insulated, Boarhide™ leather pull-strap, free 3" Carabineer. One size fits all.

### Revco Industries Inc

Booth 38064

#### BSX® BX-BP Xtreme Backpack

The BSX® BX-BP isn't your ordinary stick glove backpack. With extended surface coverage and carbon felt construction, it offers much more. The BX-BP offers far better flexibility than traditional pads for fighting fatigue. More importantly, inside is a layer of flame-resistant carbon felt with Heat-Standoffs™ that support an air tunnel to keep the hottest point off your hand. This extreme product is finished off with aluminized leather straps.

#### BSX® BM88 Xtreme MIG Gloves

The BSX® BM88 beats other traditional MIG gloves with its soft grain pigskin construction and a host of top features. The backside is insulated against heat, the palm is padded to ensure comfortable gun handling, and the fingers are pre-curved in a sidewall

design to reduce fatigue and maximize dexterity. Even more impressive are the exclusive DragPatch® and RestPatch™ features designed to keep the hand comfortable and cool while welding.

### **Black Stallion® 99HV Hi-Vis Gloves**

When it comes to hi-visibility hand protection, the Black Stallion® 99HV has it all. Resilient grain pigskin with a durable reinforce palm, an ergonomic spandex fit complete with a secure wrist strap, and quality safety reflectives visible on at least three planes. What you see is a great design, but what you feel is the unmistakable Black Stallion® ToolHandz® fit that has earned loyalty in every industry.

### **Sellstrom Manufacturing Co**

**Booth 36047**

#### **ArcFlash™ Faceshield**

Protect yourself from low level arc flash hazards with our new ArcFlash™ Faceshield. Our product has a specially formulated anti-fog window that provides excellent color definition, giving the user the best possible protection and vision they need to perform their job. Sellstrom's ArcFlash Faceshield has an arc rating of 9.9 Cal/cm<sup>2</sup>. Meets ANSI Z87.1+-2003 High Impact Standards, ASTM F-2178-06 and NFPA 70E-2009 Standards.

#### **Trident™ Welding Helmets**

Sellstrom is proud to announce its sleek new line of Trident™ Welding Helmets. The new line of helmets are compact and lightweight, yet built tough to perform. Comes complete with new patent pending "Quick Release" ratcheting headgear. Available in several new designs.

#### **Impulse™ MAGSENSE™ is 100% FAIL-SAFE**

No flickering. This unique product has both optical and magnetic arc detection systems, that ensure the filter will never open even if the sensors are blocked. This is the perfect auto-darkening welding filter for all welding processes including TIG and TIG pulsing. Also great in production applications where lighting issues, close proximity to other welders, smoke, or reflections can render standard auto-darkening filters useless.

### **Service Lamp Corp**

**Booth 7047**

#### **T5 and T8 High Bay /Low Bay Lighting**

Energy Saving Lighting, replaces 400 & 1,000 watt high pressure sodium and metal halide high bay/low bay lighting. Rebates available in some states, EPACT federal tax deduction available (certain qualifications apply, 4 lamp, 6 lamp, 8 lamp fixtures available.

### **Steiner Industries**

**Booth 37070**

#### **Steiner Pro-Series™**

Steiner Industries' revolutionary Carbon Fiber Sleeves take arm protection for welders to another level by outperforming and outlasting conventional flame retardant cotton sleeves. Provides superior protection against heat, spark, and spatter. Pro-Series carbon fiber sleeves are an extension of the exciting Steiner carbon fiber product line that includes popular Velvet Shield welding blanket.

### **Synetik Design**

**Booth 39051**

#### **Synergo**

Ergonomic office or plant chair. Steel base, elastic rubber casters and sturdy upholstery.

### **TDC Filter Manufacturing Inc**

**Booth 31007**

#### **Environmentally Friendly Cartridge**

Use our new EFC cartridge to Go Green. Our cartridge is crushable reducing your waste stream and offers the same filtering capacity as a traditional cartridge.

### **Timesavers Inc**

**Booth 9055**

#### **Portable Wet Dust Collectors**

Most industrial wet dust collectors are very heavy and designed to be set in a permanent location for a specific requirement. New 2 HP and 5 HP wet collectors designed by Timesavers include castors and a push handle allowing the units to easily be moved to any desired location. A Model F5 will be on display in Timesavers booth at the 2009 FABTECH show.

### **Vent-A-Fume(Vent-A-Kiln Corp)**

**Booth 37077**

#### **Place-A-Vent (Portable)**

Place-A-Vent (Portable) is a complete self-contained portable fume and smoke extractor unit. All you need to do is plug it in and direct the discharge

hose to the desired location. When finished for the day the hoses neatly fold onto the sturdy cart for fast and easy clean-up and storage.

### **Weldas Co**

**Booth 32064**

#### **Yellowjacket® Heavy Duty Heat Reflective Welding Gloves 10-2755**

These 15" general purpose welding gloves are an excellent choice for all heavy duty MIG, TIG, Plasma, gas welding and cutting applications. Specially selected top grain cowhide is thick and pliable, as well as oil, weather, heat, and flame resistant. Aluminized PFR Rayon back reflects 95% of radiant heat. 100% stitching with 4-ply Kevlar thread and wide reinforced thumb strap provides extra durability. Available in Large & X-Large.

#### **Yellowjacket® Mechanics Gloves**

Weldas Mechanics Gloves feature a state-of-the-art design that offers the best combination of comfort, fit, fingertip sensitivity, and protection. These gloves are made of genuine top grain leather. They are soft and pliable, oil and weather resistant, and washable without losing their suppleness. Elastic wristband is non-constricting and comfortable. Available in black pigskin (10-2660), pearl goatskin, gold cowhide, and tan deerskin. Sizing available in M, L, XL, & XXL.

### **Wintriss Controls of Honeywell**

**Booth 16039**

#### **Shadow 8**

The Shadow 8 offers smarter next generation design. No control box is needed if connected to new WPC 1000 or WPC 2000, the heads are Type 4 control reliable - The main receiver has 2 safety PNP outputs, connect up to 4 pairs of heads to WPC or control box, rugged extruded heads. Lengths from 12" to 59" (extensions from 9"), programmable fixed, and 1-beam floating blanking.

### **Wire Crafters Inc**

**Booth 32012**

#### **RapidGuard**

Wirecrafters, the leading supplier of safety and security products introduces its modular perimeter guarding to enhance your machine safety. Furnished in 6' and 8' tall weld wire mesh systems which can be supplied with polycarbonate and steel panels, weld curtains and interlocks.

## Saws & Cut-off Machines

### Behringer Saws Inc

Booth 13137

#### Behringer Eisele VMS 400H Circular Cold Saw

The VMS 400H Circular Cold Saw has a miter angle range of 45° to the left and 60° to the right. Cutting capacities are; rounds up to 5.7" and squares up to 4.7" x 4.7" at 90°. The saw can be set to cut at 64/128 or 128/256 SFM and has a heavy-duty gear box and a two-speed pole changing motor of 2.7 or 3.5 horsepower.

### Cosen Saws USA

Booth 5101

#### Semi-Automatic SH-700DM Dual Miter Bandsaw

The SH-700DM is a semi automatic Dual Mitering Bandsaw with a 17.7" round capacity, 1.5" blade, and 7.5HP blade motor.

#### Billet SH-1300F Dual Column Bandsaw

### Haas Saw & Supply

Booth 3055

#### ECOmax Saw Blades

ECOmax saw blade technology combines newly developed tooth geometry and extremely wear-resistant carbide/cermet grades with special surface coatings for high production cutting. Key characteristics of the product include: smooth surface of cut parts to prevent deburring, very high cutting speeds and feed rates for greater productivity, and long blade life for more economical use and lower cost per cut. These blades may be used for cutting solids or tubes/profiles.

### Kentucky Gauge Hymark

Booth 5055

#### KG Auto Sawing Machine

KG automatic sawing system will increase your efficiency in producing quality cut parts. Ideal for high volumes sawing applications, the system may be used in semi or fully-automatic modes. As an auto length stop or push feed system, the controller stores up to 3000 lines of program memory for producing your required cut-lists, with displayed resolutions down to 0.001". Cut-lists may also be downloaded from your PC.

### Marvel Mfg Co

Booth 14131

#### Marvel 380A-PC60

New Automatic Vertical Tilt-Frame Band Saw. Miter cutting to 60° right and left, 48" servo controlled double ball screw bar feed. 5 H.P. blade drive with 1.25" blade. Patented Easy-Load blade guides. Column adjusts from 90° to 3° forward cant.

### Rattunde Corporation

Booth 3032

#### Rattunde ACS

Rattunde Corporation introduces the ACS Saw Machining Center for automated cutting of tubes and solids. Servo controlled from mill length through finished workpiece, the Rattunde ACS uses proprietary sawing algorithms to control cutting parameters, resulting in superior blade life, surface finish and length accuracy. A data management system saves all setup functions for quick changeover. Integration with brush deburring, chamfering, machining, inspection, washing, drying and automatic packaging is available.

### Scotchman Industries Inc

Booth 9097

#### Cold Saw Laser Vision

Scotchman Industries introduces a new laser light saw guide for its circular cold saws. This industrial grade laser minimizes set up time and ensures the material will be sawed to the correct length by helping the operator see the line marked for cutting. Now increase your productivity and operator efficiency with this new optional feature.

### The LS Starrett Co

Booth 7149

#### Versatix

The patent pending Starrett Versatix HSS band saw blade has a new tooth configuration specially engineered to reduce stripping and provide extended blade life for difficult intermittent cutting of structural's and tubes.

### Tru Cut Saw Inc

Booth 7007

#### Carbode Tipped Dry Cut Saws

Tru-Cut Saw Inc. Brunswick, Ohio offers high-quality carbide saws for Industrial, Commercial customers worldwide. We will display a new line of Dry Cut sawing machines to cut material up to 5.750" at the 2009

FABTECH show. Distributors and end users are welcome to stop by our booth to find out more information on our products to see how we can help reduce your tooling cost.

## Software & Machine Controls

### AMS Controls Inc

Booth 13081

#### Order Desk Software

AMS Controls now offers software integration to link metal folding machines and allows you to define and run jobs from a networked PC. Order Desk software from AMS enables sending of orders from your sales department to your folding machines as well as completion data retrieval. Profiles and jobs can be created and managed from a PC and stored in a shared library accessible by all your Pathfinder-equipped folding machines.

### Bystronic Inc

Booth 6061

#### Plant Manager Cutting (PMC) Software

Bystronic will introduce a new software module called Plant Manager Cutting (PMC), a unique tool for ERP order management as well as fact-based planning and monitoring of all laser cutting and waterjet cutting processes. All relevant production and machine data become fully transparent, providing managers with critical decision making data including load balancing of each machine, the order volume and its status, and the expected completion time on each machine.

### Computer Engineering Inc

Booth 39010

#### WeldProject

WeldProject is a weld mapping/traceability program that integrates with Computer Engineering's line of industry leading software products. Project creation wizards speed the planning of new projects. The visual and tactile nature of the software gives you the feel of a traditional map of welds drawn on a blueprint, but with the organization, reporting, and secure storage that software can offer.

#### WeldDocs

WeldDocs allows secure creation, storage, and printing of welding documents (WPSs, PQRs, & Welder

Qualifications) in multiple Codes (API 1104, ASME IX, AWS D1.1, AWS D1.5, BS/EN/ISO are currently covered with more to come) and outputs in multiple languages (currently English, Spanish, Italian, & French). WeldDocs also includes a new welder continuity system with an expiration alert that keeps you apprised of any upcoming expiration.

### **DELTA Computer Systems Inc**

**Booth 16081**

#### **RMC Single and Multi-axis Motion Controllers**

Delta Computer Systems manufactures RMC Motion Controllers for servo-hydraulic and servo-motor applications featuring fieldbus communications such as EtherNet/IP, PROFIBUS, Serial.Connect I/O with Mix and Match Transducer modules with flexible configurations.

### **Dynaform ETA**

**Booth 15045**

#### **DYNAFORM Version 5.7**

ETA's powerful die analysis solution, eta/DYNAFORM, now includes 90 new/enhanced features in version 5.7. This release has over 50 new steel and aluminum materials, an expanded Die System Analysis module (DSA) and many new and improved functions. Within the DSA module there is a sheet metal transferring/handling function which can simulate movement through the manufacturing process. Also included, a scrap shedding/removal function, which can prevent line shutdown.

### **FabTrol Systems**

**Booth 12080**

#### **FabTrol MRP Version 3.0**

Version 3.0 marks another milestone upgrade to FabTrol MRP, the industry standard for fabrication management software. This release provides a broad collection of requested feature enhancements throughout the product's integrated modules for estimating, drawing management, material management, production control, and shipping. The release includes powerful new tools for steel fabricators including RFI management, export files for service center material inquiries, plate management, and CNC data exchange with CAM software.

### **Jetline Engineering**

**Booth 34078**

#### **9900 Weld Automation Control**

Using the latest computer technology, the 9900 Control simplifies the welding process and provides the operator with control of up to 15 parameters in closed loop format. The 9900 comprises an industrial touch screen computer running intuitive software and the associated channel modules. System parameters and variables are incorporated in the welding programs offering simplicity and efficiency for basic welding applications or full control of the most demanding ones.

### **Lillbacka Powerco USA Inc/**

**Finn-Power**

**Booth 4025**

#### **UC Control**

Lillbacka Powerco USA, Inc. is proud to announce the new Finn-Power UC control which is available on all new machines. It's the most advanced crimping control in the world. Some of the special features include exact and logical control navigation, tool change wizard, data storage, USB/Ethernet connectivity, and is Microsoft compatible. Multiple extension possibilities are available and include: Pressure Crimping, Multi-Step Crimping, and Online Quality Monitoring.

### **MIE Solutions Inc**

**Booth 7113**

#### **MIE Maintenance**

MIE Maintenance™ is a revolutionary Machine and Equipment maintenance and preventive maintenance application. This software helps companies in asset intensive industries maintain their investments by managing these assets. MIE Maintenance handles both maintenance requests and predefined maintenance tasks to notify your maintenance teams to perform work. All the work can be logged into MIE Maintenance for historical reporting and fixed asset reporting.

### **MTC Software**

**Booth 36021**

#### **ProNest 2010 Nesting Software**

ProNest 2010, MTC Software's latest and most advanced nesting solution, offers a number of new features and enhancements that improve the quality and efficiency of your output. The software features improved hole cutting techniques for auto-gas plasma

applications, an improved interface, as well as expanded support for laser, waterjet, and oxyfuel processes. With the power to manage even the most demanding nesting and programming applications, ProNest is Power Made Simple.

### **Olympus**

**Booth 38043**

#### **MXU-M-2.2 Software**

Olympus introduces the MXU-M-2.2 software for the OmniScan® M Phased Array flaw detector. A new feature is the position encoded or time-based scanning capability on a single direction axis. This allows the operator to analyze inspection data illustrated in a C-scan view. Other enhancements include a high A-scan refresh rate, a simplified user interface, and full upgradeability to an automated OmniScan MXU system.

### **Shop Data Systems Inc**

**Booth 12084, 8120**

#### **Q-Steel 2009**

Shop Data Systems, Inc. introduces the latest in its line of CAD offerings, QSteel 2009. QSteel is a light steel application designed specifically for the HVAC detailer that needs a little extra. Simultaneously draw structural steel shapes and ductwork in the same drawing. You no longer need to rely on 2D representations of structural steel, and you no longer have to wait for the structural detailer to provide you with 3D drawings.

### **Trendex Information Systems Inc**

**Booth 37083**

#### **Gastrend Software for Windows**

Gastrend for Windows will be a graphical and mouse driven version of our already proven, robust and reliable character based accounting and cylinder control software for the welding supply distributor.

## Saws & Cut-off Machines

### UBECO GmbH

Booth 13127

#### UBECO PROFIL

CAD neutrality has always been an important goal for the development of the rollform software concept. The user should have no restrictions in choosing the right CAD system, but he should use the best system of his own needs in combination with the preferred rollform design software. This goal is now achieved also in the 3D field by the new STEP interface in accordance with DIN ISO 10303.

### Wintriss Controls of Honeywell

Booth 16039

#### LETS

Wintriss introduces a new version of LETS (Line Efficiency Tracking Software), its flexible, scalable, state-of-the-art data collection package. The new release provides customers with more accurate calculations of Overall Equipment Effectiveness (OEE) in applications where the speed of the job is limited by machine configuration. LETS Version 3.4 calculates OEE by applying an ideal rate for each part/machine combination.

## Stamping

### Batesville Tool & Die Inc

Booth 17106

#### Drawn Shells

Producer of HSLA drawn components utilizing progressive and mechanical transfer technology. Press sizes up to 1,200 ton available with extended bed lengths for complicated parts with indie cam notch, piercing and forming requirements. Development of die and part configurations can be engineered utilizing Autoform software technology and a paperless system to expedite tooling lead times and reducing expensive die development costs normally associated with part programs.

### Beckwood Press Company

Booth 17021

#### Active Leveling Control Technology

Beckwood will be unveiling their new Active Leveling Control (ALC) System. The specially engineered system will be

demonstrated at the show, and is equipped with the latest in 4 corner parallelism technology and HMI control features. ALC monitors and directs each corner of the press ram, keeping the ram in parallel and reducing shock. It counteracts the negative effects of off-center loading and supplies protection for the press and tooling.

### Compco Industries

Booth 15042

#### Large Tank Head Product Line

Compco Industries is proud to announce the launch of their Large Tank Head Product Line. Their new product line will enable the company to efficiently address the needs of the tank head industry. The company's increased capabilities will enable them to produce up to a 96-inch diameter 2:1 Elliptical 1.25 inch maximum thickness tank head, as well as a 120-inch ASME Flanged & Dished 1.25 inch maximum thickness tank head.

### DSI/Dynamatic (Drive Source Intl)

Booth 15012

#### Eddy Current Press Drives

Dynamatic can assist in ensuring your press has the latest control and motor/drive package to keep you "up and running" for years to come.

### Interlaken Technology Corp

Booth 17073, 17109

#### Fully Automated Hot Stamping Press Systems

Interlaken offers turnkey fully automated hot stamping press systems. The Interlaken Hot Stamping Press has become an essential manufacturing system in meeting high demand for stronger and lighter materials for volume manufacturing of automotive components. Hot stamping is the process of evenly heating a steel blank, forming it at precise forming pressures and then cooling it at controlled temperatures in the die. Spring back is minimal.

### Oak Press Solutions Inc

Booth 15061

#### CP Series Press

Oak Press Solutions Inc., will spotlight the performance of its new CP series high speed press. The twin shafted CP series incorporates four connection points to minimize the effects of off center tool loading and slide deflections. With a large die area (54"

x 48") and speeds up to 400 SPM, the CP series provides a platform that can be used for a wide variety of applications.

### Hydraulic Loaded Gib Bearings

Oak Press Solutions Inc., will be introducing a new slide guidance system for its high speed presses. The new hydraulically loaded gib bearing system will ensure full contact of the roller bearings at all times. In addition, this new system will allow gib bearing clearance to be easily adjusted to match the requirements of the application.

### Pascal Engineering Inc

Booth 15084

#### DSA Mini Gas Spring

DSA mini gas spring provides high force in a mini gas spring package. Use where high force is needed in a restricted area. Up to 2.6 ton of force. Pascal DSA model is a result of years of testing and R&D to come up with a long lasting high pressure mini gas spring. DSA is the most reliable high pressure mini gas spring on the market.

### Ross Controls

Booth 17102

#### Large Size Manual L-O-X Valves

Ross L-O-X valves are energy isolation devices generally used as the first valve in a line supplying compressed air to equipment. Air can be shut off by pushing the handle inward, simultaneously exhausting downstream air. Many standards and regulations, e.g. OSHA lockout/tagout, require that the valve be padlocked in the exhausted position during maintenance and servicing. 1-1/2 and 2 inch direct acting manual lockout valves are now available.

### Small Double Valve for Presses

Ross Controls will add to their DM2 Series of control-reliable, Category 4, dynamic monitored double valves by introducing a new Size 2 valve for smaller clutch and brake applications at the FABTECH/Metalform Show. Porting options include 1/4" and 3/8" sizes for applications ranging from small bench and cylinder press operations to lower tonnage gap frame clutch/brake control.

## Schuler Inc

Booth 16054

### Schuler SDT ServoDirect Technology Presses

Results from customers and our R&D facilities show that ServoDirect Technology significantly increases output rates. When optimized, the process improves the ability to produce value-added components, allowing for enhanced in-die processes such as welding and assembling. Challenge us to simulate the potential output of SDT for your parts. Schuler combines our proven, reliable eccentric drive with the market's most advanced servo technology in capacities from 250 to 3000 US tons.

## Serapid Inc

Booth 17078

### Motorized Bolster Extensions

Motorized Bolster Extensions (MBE) combine the functionality of bolster extensions and push-pull systems into one integrated unit. They support the die outside of the press and move the die in and out of the press. MBE also allows easy access to the side of the press. They can be loaded with either an overhead crane or a fork-truck. Since they are a small obstruction, part and scrap removal is easy.

## Thermal Spraying

### Canada Fujian Powder Metallurgy

Booth 30011

#### Molybdenum Spray Wire

Canada Fujian Powder specializes in Tungsten and Molybdenum for the hardfacing industry. The Molybdenum sprays are made in black or white finish, according to industry standards.

### Dewal Industries Inc

Booth 30012

#### Thermal Spray Masking Tape

DeWAL Industries masking tapes are aircraft engine approved by; GE, Pratt Whitney and Rolls Royce. DeWAL tapes are free of carbonizing materials and form a protective mask for grit blast, ceramic, plasma spray, wire arc and HVOF.

### Inframat Corp

Booth 30031

#### Nanox™ Alumina/Titania Thermal Spray Powder

Inframat® Nanox™ S2613S is an exceptional coating material for sliding

wear, erosion, abrasion and corrosion resistant applications at room and elevated temperatures, as well as for dielectric applications. Nanox™ S2613S has been approved for multiple applications with the US-Navy.

### Infralloy™ WC/Co Thermal Spray Powder

Tungsten carbide cobalt is a ceramic/metal composite material used as a wear resistant coating. The alloyed form gives superior hardness. Infralloy™ S7400 series powder is made from nanoparticles alloyed with a cobalt binding phase. Infralloy™ Series S7400 powder is available as agglomerated particles +5/-45µm with high flow ability for HVOF applications.

### Inframat® SPS II™

Inframat® SPS II™ is a delivery/injection system for retrofit onto existing plasma setups. SPS II offers the prospect of depositing highly durable TBC's of low thermal conductivity at significantly reduced cost over traditional methods such as EB-PVD.

### TAFI Inc

Booth 30021

#### 1264WL

The new TAFI Model 1264WL closed-loop weight-loss controlled powder feeder improves powder feedrate stability by reliable closed-loop weight-loss control. Features such as triple load-cell summing, a removable, 50% larger powder hopper, a user-friendly touch-screen control, recipe storage, maintenance screens, rapid response time, and user-programmable filters which reduce the affects of random noise (air movement and vibration) on the weight scale, all contribute to improved productivity, consistency, and ease-of-use.

### Uniquecoat Technologies Llc

Booth 30009

#### M3 Supersonic Spray Gun

The M3 gun operates with 1,500 m/s gas velocity to produce better coatings than ever before. The resulting coatings are denser, harder, and more wear resistant than previous coatings of the same material. Fine control over operating parameters allows the user to fine-tune the flame to get the best coatings possible.

### TSR-PF100S Heavy Duty Powder Feeder with Scale

Heavy duty, industrial powder feeder mounted on load cells to accurately meter powder flow. Equipped with a large hopper, this feeder is infinitely adjustable to feed at very high rates. It is designed with no wearing seals and can be used for feeding any kind of powder for thermal spray, pneumatic conveying, etc. The touch screen operator interface displays weight of powder, feed rate, time until empty, and rotational speed.

## Tooling

### Anchor Danly

Booth 16142

#### Surface Mount Ball Bearing Assemblies

Anchor Danly has announced the addition of a new low-cost ball bearing component assembly alternative to our die components guiding system product line. These new additions, Surface Mount Ball Bearing Assemblies, are mounted directly to the die holder and punch holder rather than the conventional method. These assemblies are available in 32mm, 38mm, 50mm and 60mm diameters, while lengths range from 100mm to 350mm, depending on diameter.

### Lempco Ball Cages

Lempco has announced the redesign of their Ball Cages with a newly improved orbital staking, which enhances the reliability of ball bearing retention while preventing the loss of ball bearings during use. The Ball Cages now have a black anodized appearance to help improve function and provide a more protective hard coating. These improved Ball Cages allow Stampers to achieve high press production with less frequent replacements while avoiding downtime.

## Tooling

### **BLUCO Corp**

**Booth 37064**

#### **Fixture Designs**

Bluco's experienced fixture design engineers utilize the latest in 3-Dimensional CAD software to design and document every detail of your first modular fixture. Their engineers have years of experience integrating standard and custom tooling components to fit any job. With a CAD library that has more than 400 standard modular components to choose from, they can design a system to handle virtually any part.

#### **Table and Component Hardening**

The durability built in to the modular fixturing system supplied by Bluco Corporation ensures users will have a tool that lasts a lifetime. Hardened tables and components (50Rc) are offered which resist spatter build up. Bluco's modular fixturing systems for welding feature accurate 5-sided welding tables. Angles, spacer blocks, clamps, bolts, and universal stops can be assembled into a ready-to-use welding fixture.

### **Bohler Uddeholm Corp**

**Booth 14026**

#### **Uddeholm Vancron 40**

Uddeholm Vancron 40 is a nitrogen alloyed powder metal steel with superb anti-galling properties. The integrated surface coating achieves a very low coefficient of friction permitting Uddeholm Vancron 40 to be used without any additional surface coatings.

### **Bolttech Mannings**

**Booth 32114**

#### **Sub Sea Tensioning**

Green bolting technology that satisfies both the diver and the environment with a 100% water based system. Manufactured from high strength corrosion resistant stainless steel the patented high pressure/low friction seals provide direct axial loading with an accuracy rating within .5% with a calibrated pumping unit. A quick-release reaction nut with spherical interface decreases engagement time which maximizes the amount of work that can be accomplished by the diver.

### **Chelar Tool & Die Inc**

**Booth 16137**

#### **Faro Arm Inspection**

Chelar Tool & die has added a new 7 axis 8' Faro platinum arm. This will be used for inspection of large parts in house and at customers. We can also reverse engineer parts that we have no cad file on. The information can then be used to make a new part. This arm can also be used at the press for die tryout to inspect the parts.

### **Fein Power Tools Inc**

**Booth 34115**

#### **Stainless Steel Processing Kits**

FEIN develops application solutions for stainless steel processing. Whether you work on flat material, pipes, profiles, corners or edges, get perfect results with only three tools: FEIN WSG 12-70 E, FEIN WPO 12-27 E and the RS 12-70 E.

#### **COMPACT ANGLE GRINDER - WS 14**

FEIN WS 14 compact angle grinders combine unmatched durability, maximum performance along with outstanding ergonomics. FEIN also offers the full range of product choices to accommodate all of your application requirements. The new WS 14 series offering consists of two designs: the angle grinder model with classic "On/Off" switch and the new tip start safety angle grinders with additional features such as Auto Stop.

#### **HFS 17-30 & HFS 27-30**

FEIN single-station converters allow you to use FEIN high frequency power tools at individual workstations in any location. With the two single-station converters, HFS 17-300 and HFS 27-300, FEIN makes industrial high-frequency grinding simple, cost-effective and mobile for anyone. FEIN also offers a wide range of extremely durable angle grinders & straight grinders, designed for tough industrial use.

### **Latrobe Specialty Steel Distribution**

**Booth 15113**

#### **DuraTech Mega 4**

DuraTech Mega 4 is an ultra-high cleanliness powder metal tool steel with high wear resistance and very high toughness. It should be considered for applications requiring an outstanding combination of these properties for very high wear resistance, compressive strength, chip resistance, and excellent fatigue properties.

### **Mate Precision Tooling**

**Booth 7061**

#### **AMX™ Tooling**

Mate's new AMX™ tooling system is designed for thick turret ABS punch presses. Made from premium high speed tool steels for increased tool performance and flexibility, AMX provides you with exceptional intervals between regrinds.

#### **Mate EasyView™ Tooling Carts**

Designed for lean visual management, Mate EasyView™ tooling carts help you reduce costs by increasing your shop's productivity. EasyView™ carts keep your tooling protected and organized, reducing tool damage and set-up time. With all tooling visible to the user, operators can eliminate wasted time looking for correct tools. Users can quickly locate the correct tool, making it faster and easier to make the correct decision every time.

#### **Trumpf-Style Tool Cartridges**

Mate Precision Tooling introduces new Trumpf-style Tool Cartridges for use with TruPunch 1000-Series punch presses. These high performance, lightweight designed tool cartridges hold matching punches, strippers and dies. Fully OEM compatible, Mate's new Trumpf style tooling cartridges handle Mate's complete line of high performance tooling for the Trumpf TruPunch 1000-Series punch presses. These include Mate's Next™, LongLife™, QuickLock™ and standard Trumpf style tooling.

### **Polyurethane Products Corp**

**Booth 6008**

#### **Urethane Radius BendingDie**

Smart Pad System is the most versatile and most economical Radius bending system, that can bend all the parts shown in the photo, without any surface marks.

### **StampingSimulation.com Pty Ltd**

**Booth 14126**

#### **3D Printing**

A physical 3D model can be understood quicker and easier than viewing a 3D model on a PC, a physical 3D model assists greatly with presentations and explanations of problems to customers. Product and tooling design changes are assisted by use of a physical 3D model, a very valuable as a tooling aid. 3D printing technology

helps grow your image as a professional and high tech company.

### **Strong Hand Tools**

**Booth 35111**

#### **MagTab Tab Align Tool**

The better, safer way to hold tabs in place before welding. The MagTab Tool holds tabs, or any small metal piece, parallel or perpendicular to your sub-structure. The Adjustable Magnetic V-Pad base adjusts for different shapes: round, flat, or square metal surfaces. Use the MagTab Tool for safe, efficient positioning of tabs for welding.

#### **Xtra Length Chain Plier**

This New Plier features a removable / replaceable chain so you can use the chain that best suits your application. The easy-in, easy-out fishtail on the chain end makes it easy to insert in the clamp jaws. Clamp around large and odd shaped work pieces. The Pliers come standard with a 24" chain for clamping pipes up to 6". Chain lengths from 16" - 78".

#### **Pipe Plier with Adjustable Spindle**

Pipe Pliers are the safe, efficient way to hold pipes or tubes for butt-welding. These new Pipe Pliers feature an extra wide opening to hold pipes up to 3" in diameter. The top spindle is adjustable for holding pipes of varying sizes. The bottom magnetic V-Pad securely holds the pipes in place before clamping. Quick-Turn L-Handle adjusts the opening and torque.

### **Wila USA**

**Booth 6105**

#### **New Line Wila American Precision Press Brake Tooling**

Wila introduces an additional line of precision American tooling. This line is ground to  $\pm .001$ " and is CNC-Hardened at the bending radii for long-term accuracy and durability. Manufactured in traditional inch sizes and segmented for maximum flexibility and ease of operator handling. American punches feature Wila's patented "Safety-Clicks" for vertical tool loading and v-notched 1/2" tangs for self-seating in Wila Clamping or for use in normal American ram clamps.

## **Tube & Pipe Fabricating or Welding**

### **Arc Products**

**Booth 31043**

#### **AP 2000**

AP Automation's AP 2000 is a complete, state of the art, orbital welding system for large diameter pipe. The AP 2000 runs on a powerful microprocessor system, with a simple and intuitive pendant giving the operator easy access to all functions. This system is complemented by the WH 3030; a versatile, low profile, extremely rugged weld head that incorporates our latest magnetic arc technology.

### **Boschert Precision Machinery Co**

**Booth 9137**

#### **PBT25 PC300 Profile Bender**

Completely new CNC to this high precision profile bending machine makes the PBT25 easier to program difficult multi-radius bends in the widest variety of aluminum and steel profiles. New on-line service support allows our technicians full access to your machine for trouble shooting and software updates guaranteed virtually 100% uptime.

### **Bug-O-Systems/Cypress Welding**

**Booth 35025**

#### **PIPER BUG**

The PIPER-BUG is a digitally controlled solution to pipe welding. The positive rack and pinion driven PIPER-BUG provides full control of all welding parameters including wire feed, voltage, travel and torch oscillation. Our unique current monitoring system maintains a consistent torch height (electrical stick out), which ensures uniform heat input throughout the weld.

### **COB Industries Inc**

**Booth 33126**

#### **Argweld Multi-Inflatable Purge Dam**

The new Argweld® Multi-Inflatable Purge Dam is designed to cover from Schedule 5 - DBLE E.H. for each chosen pipe size with a soft textured stretch membrane to accommodate size differences and irregularities with an effective seal. The Dam offers inlet / outlet ports and a monitor inlet with a standard inflation valve and a 1/4" ball

valve. This is the latest offering from the respected Argweld® line.

### **COLE-TUVE, Inc.**

**Booth 8137**

#### **NC Controlled Angle and Shape Bending Rolls**

COLE-TUVE's Model ARS Hydraulic Angle and Shape Bending Rolls are offered with an optional NC Control that is state-of-the-art. Very simple to learn and operate, it is priced to be affordable. Machines up to 10" angle and 12" pipe.

### **COMEQ Inc**

**Booth 9061**

#### **PARMIGIANI Angle Bending Rolls**

PARMIGIANI Angle Bending Rolls are available with capacities to 40" beams the "hardway", 10" x 10" x 1" angle and other comparable capacities. Machines bending 4" x 4" x 1/2" angle and above feature six-directional guide rolls as standard. Models to 6" x 6" x 3/4" are combination horizontal/vertical. All larger machines feature independent roll drive and the most universal set of roll tooling available on the market.

#### **MEMOLI Pipe & Tube Bending Machines**

COMEQ, Inc. will introduce its new line of Programmable Tube & Pipe Bending Machines made by MEMOLI. These machines are heavy duty (made entirely of steel) with capacities of 3" pipe & 3" tubing and feature an integrated micro-processor control.

### **EH Wachs Company**

**Booth 38070**

#### **Small Diameter Split Frame**

The Small Diameter Split Frame (SDSF) is an externally mounted machine tool for cutting, beveling, and counterboring pipe from 0.84" to 4.5" diameter. The SDSF is also capable of performing socket weld removal and chipless wheel cutting. Lightweight and flexible, the SDSF is optimized for low-clearance environments. It offers simple setup and operation, featuring a self-squaring clamping system for precise cutting results typically available only with fixed machine tools.

## Tube & Pipe Fabricating or Welding

### **EH Wachs Company**

**Booth 38070**

#### **EP 424 with Speed Pro Feed System**

The Wachs EP 424 with the new Speed Prep feed system is a precision I.D. mount end prep machine tool designed to bevel, compound bevel, J prep, face and counterbore pipe, fittings and valves. Utilizing our revolutionary new mechanism that feeds simultaneously in the axial and radial planes, it's able to machine any bevel or compound bevel without templates, incline tool slides or work stoppage.

### **Gulco International**

**Booth 36003**

#### **Pipe Kat- Orbital Welding System**

Gulco PIPE KAT® with integrated wire feeder unit incorporates 40 IPM welding carriage design with quick action mounting for ease of installation. The PIPE KAT® also comes equipped with a linear oscillator with adjustable weave width and weld joint centerline adjustment and all electronic motorized functions incorporate jog settings. The welding torch uses standard consumables.

### **Hankwang USA Inc**

**Booth 9002**

#### **TL 6015 2.5KW**

The TL 6015 2.5KW tube cutting system specs include max. length: 20', Max. diameter: 6.00", Panasonic Laser 2.5KW and a Siemens 840D Controller.

### **Horn Machine Tools Inc**

**Booth 2042**

#### **HMT #3HDLP CNC Tube Bender**

New generation Low-Profile design of the HORN CNC bender line featuring: 5" capacity, 36" work height, no work platforms, improved set-up times, direct acting & programmable clamping, linear bearing slides, no wear plates, Y axis boost, retractable wiper, programmable servo CLR positions, excellent bender for tight radius exhaust or any heavy duty application.

### **Kent/Tesgo**

**Booth 4055**

#### **Tube and Roll Form Shape Deburring**

Kent has developed a new Burrmaster that removes the burr off of both tube ends and roll form shapes. The deburring brush rotates at high RPM while the whole brush head rotates slowly at 360° to deburr every edge and corner. Double ended more automatic machines are also available and can be linked to the tube mill.

### **Kentucky Gauge Hymark**

**Booth 5055**

#### **KDP Auto Drilling Machine**

KDP drilling machine will increase your efficiency in producing quality finished drilled parts. Ideal for aluminum and steel, tubular and flat bar materials, the KDP encompasses an easy to use controller with 3000 lines of program memory for drilling your required hole patterns. With AutoDrill's 2 speed stroke control and varying horse power options, Kentucky Gauge can also provide special features to customize your drilling solutions.

### **Lillbacka Powerco USA Inc/**

**Finn-Power**

**Booth 4025**

#### **20MS/32MS Crimping Machines**

Lillbacka Powerco USA, Inc. has revolutionized the whole way of crimping by launching totally new, innovative crimping machine models. The Finn-Power 20MS and 32MS crimping machines are pioneers with their sensational features. The features include: interactive MS control, energy saving mode, eco-friendly operation, durable cover, ergonomic construction and service friendliness. The MS control can remember the set opening and the machine can work semi-automatically.

#### **120UC/140UC Crimping Machines**

Lillbacka Powerco USA, Inc. unveils the brand new 120UC and 140UC crimping machines. The 120 and 140 extend the range of Lillbacka Powerco's new generation crimping machines. They are unbeaten in terms of speed, precision, durability and quality. They have a flexible layout, all-around use, side-mounting track, energy saving mode and a service friendly layout. Many additional options are available for the new generation machines.

### **New Form Tools Ltd**

**Booth 4039**

#### **Tube Forming Machine**

New Form Tools has developed a new line of Tube Forming equipment to expand, reduce or re-shape Steel Tubing to the most stringent of requirements. In addition, the tubes can be immediately cut to length after forming operations, unmanned. This equipment can be fully automated with robotics and the products can be manufactured without human intervention.

### **OSG Power Tools**

**Booth 3106**

#### **Power Tube Cutter for Large Tubes**

Capacity range from 1.25" to 4" tube OD. Self-feeding, quick-change cut heads, chip-less tube cutting in any material. Powered from 18V battery or 110VAC.

#### **Cordless Tube Cutting tool**

Self-centering, fast auto-size adjusting, chip-less tube cutting in any material. Automatic quick adjustment to any tube size in the designed range (TC-1SUS: 1/8 - 7/8, TC-1: 3/8 - 1 1/8). precise cutting feed fully adjustable for different materials and levels of hardness (from plastic to titanium).

### **Pador Marketing Group**

**Booth 34110**

#### **The TPP-5090**

The TPP-5090 is a perfect tool for polishing Tube and Pipe Ends. Very easy to use.

### **Pat Mooney Inc**

**Booth 5135**

#### **NHC 70NPA Tube Cutting CNC Saw**

The NISHIJIMAX NHC-70NPA allows for high production processing of tubes. The powerful drive system allows the machine to operate at higher blade rpm and feed rate. The result is more parts per hour.

### **Pines Technology**

**Booth 2039**

#### **Gregson Induction Benders**

Pines is the exclusive distributor of Gregson Induction Benders. Induction bending operates on the principle of heating material by the eddy current effect of an induced electrical current. Gregson Induction Benders will manufacture a machine based on your requirements. Machines can bend from 2" – 62" pipes.

### **CNC 250 HD**

Pines manufactures a range of heavy duty bending machines for the boiler industry. The machines range in size and type from 44mm to 350mm diameter capacity and both NC and CNC configurations. Options include: Automatic tool adjustment, booster to prevent wall thinning, automatic pipe loader, split die actuator, extra long carriage travel, and mandrel extraction.

### **CNC 15 Bench Top Tube Bender**

Pines popular CNC 015 all electric tube bender has been completely redesigned to include PLC controls and faster speeds. Standard features include, Hitch feed, springback compensation, PDI zone recapture, and self diagnostic program mandrel extractor. The machine runs on 110v and can be plugged in to any available outlet and compressed air supply. Highly useful for multi-cell assembly areas and low-volume production where high levels of accuracy are required.

### **Prinzing GmbH**

**Booth 38096**

#### **Flanging Machine FME**

Prinzing offers a new line of heavy-weight flanging machines to produce 90° flanges at the end of tubes with extreme dimensions: max. flange height 2", diameter range from 4" to 60", and tube length 10" to 470".

### **T-DRILL Industries Inc**

**Booth 4021**

#### **TEC-150 HD**

T-DRILL is introducing a new addition to our TEC-150 product line with our model TEC-150 HD. This machine extends the T-DRILL process advantage to sch. 40 SS pipe. It is capable of forming 2"-6" NPS T-DRILL tees in sch.40 pipe through 12" NPS.

### **TRUMPF Inc**

**Booth 6001, 6013**

#### **TruLaser Tube 7000**

TRUMPF's TruLaser Tube 7000 cuts tubes and profiles with large diameters and wall thicknesses without sacrificing quality, while boosting productivity. It is able to process tubes up to 30 feet long and can handle a maximum weight of 496 pounds. The system's 0.6 to 10 inch clamping range enables new applications. Available with up to 3.6 kilowatts of laser power, it is ideal for a wide range of applications.

### **YLM - Ying Lin Machine Industrial Company**

**Booth 3101**

#### **FM63-A2 End Former**

YLM will be displaying the FM63-A2 I/O tube end-former/sizer. The machine is suitable for the end forming of various metal tubes of different materials to different shapes primarily for reduction or expansion of tubes after bending. Manual and automatic modes of operations working with a tube range of 1" to 2.5" with reductions and expansions performed simultaneously to facilitate high accuracy and precision results are highlighted features.

#### **CNC16S2-PMR**

YLM introduces the CNC-16S2-PMR production system. The machine pulls material from a coil, straightens, end-forms, bends, and cuts to create a completed part in a single process with a capacity of 5/8" tube with two levels of tooling. Powered by an advanced software package, the machine is fast to program, accurate in part production, and takes up a small amount of floor space.

#### **CNC38MS-RAE Rotary Bender**

YLM introduces the new all electric CNC-38MS-R-AE rotary bender. The bender features multiple stack tooling capabilities coupled with a fast 180 degree/sec bending head. Feeding speeds up to 50"/sec and rotation speeds to 360°/sec creates a fast dependable bending machine for multiple applications. The advance New Motion software allows for sequence programming of every movement and fast efficient repeatable setup parameters for a quick changeover.

## **Tube & Pipe Producing**

### **Haven Manufacturing Corp**

**Booth 2060**

#### **Haventrak™ Flying Shear.**

The Haventrak™ utilizes the speed and precision of our "Dual-Blade Shear" Cut-Off combined with a "UTRAK" Length Control System delivering accurate and quality cuts on the fly. Haven produces quality cuts on a variety of tubular shapes/materials utilizing the dual-blade method. Universal Controls Group developed

the Utrak Length Control System blending Hi tech electronics and simple mechanics to provide accurate yet rugged solution to length control needs.

### **Hess Industries Inc**

**Booth 5067**

#### **Tube Spinning**

Formitt Metal Labs, / Hess Industries specialize in Spinforming Hollow Tube Shapes & Assemblies. Spinforming complex tube-end profiles eliminates the cost associated with dies, stamping shell halves and welding operations. This technology is particularly applicable when elements, like catalytic converters, filtration devices or heat exchanges are inserted into the tube and one or both end profiles are spun down. Spinforming enhances part integrity and appearance.

### **Horn Machine Tools Inc**

**Booth 2042**

#### **HORN Metric CNC45EMR**

This newly released machine will feature left & right hand bending with a rotating head and an automatic tube loader. This bender is all-electric.

### **Kent/Tesgo**

**Booth 4055**

#### **Tube Chopper**

Kent/Tesgo has introduced a new Tube Scrap chopper. The new machine will crush and chop your scrap tube into small pieces taking up 1/3 of the space in the scrap bin. The scrap dealers will give you more money for your scrap and the space savings is huge. These machines can easily be justified.

### **Leifeld Metal Spinning GmbH**

**Booth 16044**

#### **Flow-Forming Machine**

Leifeld has developed the longest flow-forming machine in the world. With the flow-formed tube of 13 metres, Leifeld shows tremendous technical advancement regarding potential flow-formed length combined with high-precision. Apart from this, Leifeld has expanded its EN series with EN 700/600. The newest development of necking-in machines work the ends of rotating tubes (max 12 metres) to gastight cylinder bottom or bottleneck.

## Mair USA LLC

Booth 4040

### Multi-Roll Tube/Pipe Straightener

MAIR has added this year a multi-roll cross finishing straightener for tube and pipe.

### Tube Draw Bench

For ultimate control on the I.D. and O.D. of tube and pipe sizes, MAIR now offers a single tube or multiple tube draw line for tube sizes up to 6-5/8"

## Mill Masters Inc

Booth 2045

### In-Line Braze-Clad Tube Coating System

The patent-pending Tube Coating System applies metal coatings such as Cupro-Braze Cladding to the outside of the tube in line on the tube mill at speeds over 122 meters per minute. This is a custom-wire Arc-Spray system complete with enclosure and dust collection system. The braze coating adheres instantly to the surface of the tube, no drying time is required. Systems for radiator and CAC tubes available.

### Dimple Free Zone Station

Dimpling/Rib Station for thinwall aluminum or brass radiator tube mills, allowing the tube ends to be free of dimples for 100% leak-free tube-to-header joints. Supports up to 600 cuts-per minute with dimple-free ends. Includes "no adjustment" self correcting computer controlled programming. Both the tube length and "dimple-free-end" dimension can be changed on-the-fly.

### RC 340 High Speed Tube Mill Cut-Off Machine

High speed tube mill cut-off for flat-oval radiator, heater, and CAC heat exchanger tubes. Up to 600 cuts per minute with +/- 0.5mm length tolerance and minimal end-cut deformation. 10 minute die change-over and instant length changes on-the-fly. Easy to service & low replacement cost Allen Bradley servo drives make this cut-off low-cost and high performance for the short term and the long haul.

## Thermatool Corp

Booth 4001

### Solutions for Tube and Pipe Producers

Thermatool is pleased to present the latest advancements in equipment and process technology: Solid State High

Frequency welders with HAZControl Technology™ Developments in welding process control Innovative induction coil design Latest operator control concepts Seam Annealing solutions Flying Cutoff display. Additional products: Quench and Temper lines for bar, pipe and tube HF Welded Engineered Structured Section Mills Bright and Dull Annealing Systems for Stainless Steel Specialty In-Line Coating Applications.

## TTEngineering

Booth 6036

### Fully Automated Factory for Chimney Components

No operational personnel required. Factory produces 60" pipe with no tool changes required. Pipes are cut to shorter tubes, tubes with windows for t-extrusion, or tapered tubes for elbow sections. Elbows (welded type) and t-sections can be produced. Tube end forming, flange forming and TIG welding of the flange can follow. Customer demand translates into component requirements. 14 Robots at work feeding conveyor line. End-of-Line Packaging.

### Flexible Short Tube Forming and Welding Line

Applications: Chimney, HVAC industry, exhaust tube production. "Patented FlexForming Technology" eliminates changing of tools for varying diameters. "Two-Roller Roll Former Technology" guarantees a perfectly rounded tube. No tool change required for welding machine. New design achieves unprecedented forming and welding productivity. Tube Specs: Length: max 60". Diameter: 3" to 16". Various Materials, Thickness: .012" to 0.12". Feed: Four different size blank stacks for different size tubes for uninterrupted forming.

### Short Tube Forming and Welding Line

Application: Housings for ceramic filters for EPA Diesel truck engine emissions compliant truck exhaust systems. Multi-tube forming and welding per machine cycle. Simultaneous de-stacking of up to 4 blanks, followed by roll forming and welding for a total welding length of 60". Cycle time per tube is increased from 28 to 7 seconds. Recently installed at Eberspaecher NA to produce 800,000 shells yearly for Volvo/Freightliner truck production in 2010.

## Welding Consumables

### Atlantic China Welding Consumables Inc

Booth 40030

### Metal Cored Wire (E70C-6M)

### Beijing Aurora Safety & Protection Technology Ltd

Booth 31055

### WF-D301t

Digital auto-darkening welding filter with 4 sensor design, specially used for TIG precision welding with accurate shade control and good temperature compensation.

### WF-M501

Introducing the automatic digital auto-darkening welding filter, WF-M501. Setup shade by arc intensity, no adjustment before and during welding necessary. Put on it works automatically.

### WF-D302

WF-D302 is a digital auto-darkening welding filter with large shade region selection from 4/7-15 and above.

## CGW-Camel Grinding Wheels USA

Booth 38093

### C3 Ceramic Flap Discs

CGW's new C3 Ceramic Flap Discs are exceptionally aggressive and cut twice as long as standard flap discs. Made with self-sharpening ceramic grain and a cooling grinding aid, C3 flap discs give contaminate-free results and can be used on stainless steel, steel and titanium. C3 Ceramic Flap Discs are available in: 36 to 80 grit sizes; regular and extra-large thickness; 4-1/2, 5, and 7 inch diameters.

### Ultra AO Depressed Center Wheels

Ultra AO Depressed Center Wheels from CGW are made from a premium aluminum oxide grain and the highest quality raw materials to grind quickly. Removing metal at a faster rate, Ultra AO wheels allow for higher production rates and lower overall costs. Ultra AO are available with a Type-27 shape and in 4-1/2", 5", 6", 7", and 9-inch diameters.

### Interleaf and Non-Woven Flap Discs

CGW's new Interleaf and Non-Woven flap discs are made from premium impregnated surface conditioning material. The Interleaf discs have

alternating flaps of non-woven and coated abrasives for light grinding and finishing. The Non-Woven discs are available in three different grits for blending, deburring and cleaning. The new Interleaf and Non-Woven flap discs are ideal for steel and stainless steel applications.

### **Clean Air Consultants/Filter 1**

**Booth 31020**

#### **Nanotron Filter**

The Nanotron filter out performs standard cartridges. Nanotron facts: initial pressure drop 0.6 inches, surface Loading 4 x standard 80/20 blend, high initial velocity of over 3 FPM, high initial efficiency 90% at E1 on 0.3 Micron particles, prevents particles of 0.3 Microns or larger from penetrating the fibers.

### **C-spec**

**Booth 37055**

#### **FillerMetals.WeldOffice.NET**

Internet site compares thousands of products conforming to AWS filler metal classifications. Engineers, buyers and consumers find technical information conforming to national and international standards. Producers and marketers promote their respective product trade-names with option to be included by popular demand in the AWS publication Filler Metal Comparison Charts (AWS FMC:2010).

### **Diamond Ground Products Inc**

**Booth 37105**

#### **Piranha II Tungsten Grinder**

The Piranha II Tungsten Grinder allows operators to longitudinally grind, cut, and flat tungsten on high quality diamond wheels. This method, recommended by most welding experts, will dramatically improve most aspects of weld applications including arc starting, arc stability and electrode life.

### **Drahtzug Stein USA Corp**

**Booth 33041**

#### **STEIN-MEGAFIL 690R**

Micro-alloy rutile flux cored seamless wire with a fast freezing slag that provides excellent out of position handling for welding high strength fine grain structural steels. Applications include shipbuilding, vessel, crane, apparatus and pipe with ABS, BV, DNV, GL and LR up to -40°C. Seamless flux and metal cored wires are virtually impervious to moisture

pick-up and do not require special storage conditions in order to insure low diffusible hydrogen

#### **STEIN-MEGAFIL 237M**

The STEIN-MEGAFIL 237M is a seamless metal cored wire especially designed for CrMo steels.

### **Durum USA**

**Booth 30042**

#### **Durmat NIFD 0.045"**

Durum now offers their tungsten carbide / Nickel GMAW overlay wire in 0.045" (1.2mm) diameter. The tungsten carbide ratio is around 55% by weight making this alloy both easy to weld with low heat input and highly wear resistant. Like the other Durmat NIFD wires, the alloy can be welded over itself. Material is available in stock at our warehouse in Texas.

### **Hobart Brothers Company**

**Booth 34071**

#### **Fabco Hornet Flux-Cored Wire**

Fabco® Hornet gas-shielded flux-cored welding wire is designed for mild or low alloy steel welding applications that demand excellent weld penetration, high productivity rates and good low temperature impact strength. The wire features an easily removable slag, low spatter levels and can be used in all positions with either 100% CO<sub>2</sub> or a 75% Ar/25% CO<sub>2</sub> shielding gas mixture. It is available in .045-, .052- and 1/16-in. diameters.

#### **Tri-Mark Matrix Metal-Cored Wire**

The revolutionary new Matrix™ metal-cored wire features a proprietary technology that provides uncompromised arc starting and wire feeding consistency on high-volume robotic welding applications. Matrix's special technology extends the life of robotic gun liners, eliminates drive roll build-up, and provides reliable seam tracking and touch sensing. Its consistent weld bead shape offers excellent crack resistance and features minimal silicon islands, making it ideal for heavy equipment and similar manufacturing.

### **New Fire Co Ltd**

**Booth 38053**

#### **Weldment Heat Preservation**

New Fire thermal insulation quilt prevents heat transference and decreasing the energy loss. The heat insulation effect is directly influenced

by the length of the holding time, which in turn may affect the welding quality. Thereby, we must choose the high quality thermal insulation quilt products.

#### **Welding Curtain**

Only allow visible light through, filtering out harmful ultraviolet radiation. No harm to the welders' eyes when they survey welding operation situation and prevent spreading of smoke, sparks, debris and dust during the welding operation.

#### **Welding Blanket**

NEW FIRE Welding Blanket not only provide protection from sparks, spatter, and slag, but also insulate rays to establish a safety, clean and normative environment workaroud when welding and cutting working.

### **Ningbo Yinzhou Qisheng Welding Tools Plant**

**Booth 31085**

#### **Welding Tip**

The welding tip is mounted on the end of the torch handle and through it the oxygen and fuel gas mixture feed the flame. Tips are available in a variety of shapes and sizes to fit almost any welding job and are identified by number.

#### **Cutting Nozzles**

Oxy-fuel cutting tips with competitive price such as: Victor type 1-101 3-101 GPN. AGA type X11 X21 HA311, Harris type 6290 NX NFF VVC, Cigweld type 41 44 551 Gloor, SAF. British type ANME PNME ANM PNM ANME-L, Tanak.

### **Raajratna Stainless Wire (USA) Inc**

**Booth 40012**

#### **Stainless Steel TIG/MIG Wires**

Raajratna Manufactures quality TIG / MIG wires, Wires are Bright and cleaned. TIG Wires: Grades are ER307, ER38, ER308L, ER309L, ER316L, ER310, ER312, ER347 & ER430. MIG Wires: Grades are ER307Si, ER308L, ER308Lsi, ER316L, ER316Lsi, ER309L, ER309Lsi, ER310, ER312, ER347, 430 etc.

## Welding Consumables

### Red Onyx Industrial Products LLC Booth 38006

#### Welding Wire

Red Onyx Industrial Products LLC introduces its premium steel, copper coated welding wire available in spools and barrels. Red Onyx is the best price and quality combination on the market.

### Sandvik Materials Technology Booth 33081

#### 300 Series Grade Stainless Steel

Sandvik, a specialist in stainless steel welding, has developed a modified stainless steel grade which can be used to substitute standard grades 308L and 309L compositions with lower Nickel content, offering cost savings to fabricators in the transportation and related industries.

#### 400 Series Alloy

Sandvik, a specialist in stainless steel welding, has developed a modified stainless steel 400 Series Alloy with superior high temperature resistance for automotive exhaust systems, also with enhanced welding characteristics.

### Washington Alloy Co Booth 38000

#### Superflow Ultra 71T-1

Washington Alloy introduces a new all position flux cored wire to meet every application. Superflow ultra works well with CO<sub>2</sub> or mixed gas to give enhanced deposition rates, excellent mechanical properties and greater penetration. Available in various packages and diameters.

### Zibo TAA Welding Co Ltd Booth 31089

#### CO<sub>2</sub> Gas Shielded Welding Wires

Sizes: 0.8mm-2.0mm, spool: 5kg, 15kg, 20kg, drum: 250kg, use: containers, ships, vehicles, bridges, engineering machinery, pressure vessel etc.

#### Submerged Arc Welding Wire

Sizes: 2.0mm, 3.0mm, 3.2mm, 4.0mm, 5.0mm, package: spool: 5kg, 15kg, 20kg, drum: 250kg, advantages: high production efficiency, stable welding quality, beautiful welding bead appearance, deep penetration.

## Welding Machines/Equipment

### A & A Manufacturing Co Booth 13040

#### Gortrac Product: TSC Series

Nylatrac® Open-Style Modular Carriers are constructed from standard components that are easily modified to achieve high strength, customized engineered carrier systems. The TSC Series carrier is no exception. This reverse bend friendly cable carrier is another excellent solution for robotics, long travel and heavy-duty industrial applications; or unique projects that require a plastic carrier solution.

### Bernard Welding Equipment Booth 34071

#### Heavy-Duty Centerfire Consumables

Bernard Welding Equipment will feature its Heavy-Duty Centerfire™ consumables system, which adds reduced material costs and high amperage/high heat resistance to the weld quality, productivity and durability features of the standard Centerfire system.

#### Water-Cooled GMAW (MIG) Guns and Consumables

Bernard Welding Equipment will showcase its newly improved water-cooled GMAW guns. The redesigned guns reduce operator downtime by using a more durable water line connection at the base of the gun cable and a new, easily replaced power pin assembly. Also new to Bernard's water-cooled guns is the addition of the company's Centerfire consumable system, which provides unmatched weld quality, durability and shielding gas coverage.

#### Dura-Flux Gun

Bernard Welding Equipment will showcase several new enhancements to its Dura-Flux™ self-shielded flux-cored welding gun. Already a leader in the self-shielded flux-cored market, the Dura-Flux will now offer reduced operator downtime, improved pipe welding performance and productivity, and improved visibility in difficult to access weld joints.

### BLUCO Corp Booth 37064

#### Wolverine Clamp

Bluco Corporation has added four powerful production clamps to meet

your high volume needs. Wolverine Clamps are specifically designed to fit Bluco's fixturing tables. These clamps provide 2,100 lbs. of clamping force compared with a traditional toggle clamp that generates 300lbs. of force. Bluco's modular fixturing for welding system features welding tables and a complete family of modular fixturing elements that enable a user to build accurate welding fixtures.

### C H Symington & Co Inc Booth 32034

#### Twist-Valve Bonnet Assembly

The New Twist-Valve is a unique adjustable air valve, and directly replaces the standard push-pull valve. The old style push-pull valve on all air-carbon-arc gouging torches are either on or off. The new Twist-Valve allows you to turn the air on in degrees. The Twist-Valve will fit SYMEX S-3, S-5 & S-15.

### COB Industries Inc Booth 33126

#### New TEG-3 Tungsten Grinder

The Techweld™ TEG-3 now has a more efficient suction system to the previous extraction unit. The self-contained unit now incorporates a 5 to 7micron dust collector to collect the carcinogenic dust created in grinding thoriated tungsten. Potentially dangerous dust can now be collected and disposed of in complete safety. The TEG-3 Grinder is one of the most powerful machines available and comes with a Lifetime Warranty on the motor.

### D/F Machine Specialties Inc Booth 32082

#### Water-Cooled-to-the-Tip Automatic/Robotic Machine Barrels

The new versatile Robotic/Automatic Water-Cooled-to-the-Tip 750/850 amp Machine Barrel Models NCM (Slip-In Tip) HTM (Threaded Tip) can be used for a wide range of applications. The machine barrels may be applied to either a Remote or Direct Mount DOCKING SPOOL®. The standard lengths include 5" & 8" nozzles. Custom sizes are available and may be made to suit individual requirements. Wire sizes include .030"-1/8" Hard/Cored & .035"-3/32" Aluminum.

#### Water-Cooled Gasless Overlay Machine Barrels

The new Water-Cooled 750 amp Gasless Overlay machine barrels are

recommended for welding applications where production demands maximum durability and quality for mechanized or robotic welding. It is available in two versions: a Curved Mini and a Long Straight. Both versions are for wire diameters .045"-1/8" (1.143mm-3.175mm). The fully water-cooled-to-the-tip machine barrels accommodate slip-in current tips with a collet nut. Standard barrels are available with 2"-15" utilities.

### **Robotic Water-Cooled Straight or Curved Machine Barrels**

The new versatile Robotic/Automatic Water-Cooled 600 amp Straight or Curved interchangeable Machine Barrel Models NCM/LRN (Slip-In Tip)-HTM/LRN (Threaded Tip) can be used for a wide range of applications. The machine barrels may be applied to either a Remote or Direct Mount DOCKING SPOOL®. The standard angles include 22°, 35°, 45°, and 60°, and special lengths and angles are available and may be made to suit individual requirements.

### **Diversi-Tech Inc**

**Booth 39071**

#### **FRED Mini-Vac**

Diversi-Tech's FRED Mini-Vac is a high vacuum, low volume extractor designed for the capture of welding fumes. The Mini-Vac is portable and a perfect choice for construction sites and maintenance facilities. The Mini-Vac features: NanoFiber filter cartridge, dirty filter alert, reusable metal mesh prefilter and a 10ft. hose with capture nozzle.

### **EVERLAST POWER EQUIPMENT**

**Booth 33107**

#### **Welding Helmets**

Everlast's new line of welding helmets feature digital auto darkening filters. The filters are shade adjustable from 7-15 shade and 9-13 shade, with 2 and 4 sensor models. Simply adjust shade with a push of a button. The new fully automatic shade selection filter automatically determines correct shade from 9-13 based off arc intensity. Filters operate safely from 14° F to 140° F.

### **Interactive Safety Product Inc**

**Booth 39081**

#### **Pureweld ADF (or) Shade 10**

Interactive Safety Products Inc. introduces the Pureweld PAPR. Unlike conventional PAPR's it features: complete helmet system; no

uncomfortable back packs/hoses thereby increasing worker acceptance. Electronic System Management, extends filter life, saving money, while adding an additional level of safety. Pureweld welding helmet for protection vs. Hex. Chrome and welding fume, features a Jackson NEXGEN Auto Darking Filter. Assigned Protection Factor of 1000 with No Fit Testing required. NIOSH/ANSI certified.

### **International Welding Technologies Inc**

**Booth 32025**

#### **IWT M-1 Gun**

Newly designed welding gun to fit in small, narrow locations where other stud welding guns cannot. Only gun of its size with a foot piece to keep studs perpendicular to the work surface. Just 1-1/4" x 3" with a handle length of 4-3/8". This gun uses standard IWT collets.

### **Jinan North Welding Tools Co Ltd**

**Booth 32102**

#### **QLBF-200III Spool Gun**

The QLB-200III provides the following applicable wire diameter: Mild Steel-0.4mm, 0.6mm, 0.8mm, suitable for CO<sub>2</sub>. Aluminum: 0.6mm, 0.8mm, 1.0mm, suitable for Ar. Stainless Steel: 0.6mm, 0.8mm, suitable for CO<sub>2</sub>+Ar. Rated Current: 200A, Rated Duty Cycle: 60%, Wire Feeding Speed: Max 16m/Min, Voltage: DC24V, Cooling System: Natural Air Cooling, Length Of Cable: 6m, 8m, 10m, Speed Adjust Potentiometer: 1kΩ, 5kΩ, 10kΩ, Spool Size: 102mm, Interchangeable Gun Neck: Straight Neck, Swan Neck, and more.

#### **Light Duty Welding Positioners**

Series of Light Duty Welding Positioner driven by the DC servo-motor, provide constant torque output property, which also provides the turning table to work smoothly and with continuous welding speed. The three-jaw chuck is easily equipped and can be exchanged with other special clamps, adopting the simplest connection way between clamps and working table.

#### **Push Wire Torch**

The Push Wire Torch has a novel design, a distinctive modeling, nice looking, comfortable and fully functional. The housing is made of high strength nylon 66, and two-tone color molding

technology. Consumables are interchangeable with the Euro welding torches with good compatibility. Ergonomic new handle enables the operator to relax and reduces fatigue strength. This series passed CE certification.

### **Koike Aronson Inc**

**Booth 34021**

#### **Light Weight Automated Girth Welder**

Koike Aronson/Ransome, Inc. now has a light weight version of our world renowned Automated Girth Welder (L/W AGW). The L/W AGW can operate on tanks with inside or outside diameters as small as 12". The light weight design will work on wall thicknesses as light as 3/16". Unit weighs less than 1000lbs (450kg) complete with full sub-arc welding package.

### **Miller Electric Mfg Co**

**Booth 34071**

#### **AlumaFeed™**

Miller's AlumaFeed™ Synergic Aluminum Welding System is designed for high-volume industrial aluminum applications requiring conventional MIG or pulsed MIG welding outputs. With the AlumaFeed's easy-to-use interface even novice welders can make production-quality pulsed MIG welds within hours using the system's synergic control and the Profile Pulse™ output. With optional extension cords, an operator can take the wire feeder up to 100 ft. away from the power source.

### **Ningbo Yinzhou Qisheng Welding Tools Plant**

**Booth 31085**

#### **VCM 200 Gas Cutting Machine**

The versatile VCM-200 is a precision, tractor-type machine that can be used on its own track for straight line cutting and a variety of welding operations. Off track and with a radius rod assembly, the VCM 200 can be used for circle cutting.

### **Thermadyne Industries Inc**

**Booth 34046**

#### **Thermal Arc 95 S**

Take welding from mystery to mastery. Easy to use portable DC welder that puts high quality Stick and Lift TIG welding capabilities in your hands. Inverter welding power source only weighs 10 pounds. Up to 95 Amps of Welding Output Power. Ready to weld out of the box. Comes with easy to follow quick set up DVD and operating manual.

## Welding Machines/Equipment

### Thermadyne Industries Inc

Booth 34046

#### Tweco Professional MIG Guns

Thermadyne offers the Tweco No. 4 gun and the smaller Tweco Spray Master MIG gun. Both continue to be among of the industry's most popular products.

### 3M Occupational Health & Environmental Safety Div

Booth 35047

#### 3M™ Speedglas™ 100

##### Welding Helmet

The new 3M™ Speedglas™ 100 Welding helmet comes in seven distinctive graphic patterns that allow welders to express their personality. This new helmet offers an extraordinary price/performance ratio from a leading manufacturer of auto-darkening welding helmets. The highly-affordable Speedglas 100 has excellent optical quality, reliable arc detection, and can be used with most arc welding processes (Stick, MIG, and many TIG applications).

### Tregaskiss

Booth 34071

#### TOUGH GUN™ ThruArm™ MIG Gun

Tregaskiss' TOUGH GUN™ ThruArm™ MIG Gun with patent-pending LSR

(Low-Stress Robotic) Unicables now includes solutions for Motoman, FANUC, ABB, OTC and KUKA through-arm arc welding robots. The LSR Unicables feature a unique rotating power connection that relieves stress caused by routine torsion and a protective conduit to shield the cable components from harsh welding environments. TOUGH GUN I.C.E.™ and Wire Brake options are also available for all ThruArm Series models.

#### TOUGH LOCK™ Retaining Heads

TOUGH LOCK™ Retaining Heads, part of Tregaskiss' exclusive TOUGH LOCK Contact System, now feature a new Dual Taper Technology, a second rear taper between the gooseneck and the contact tip. The new design keeps the gun and consumables locked from contact tip to gooseneck resulting in contact tips that run cooler and last longer. The new retaining head is available for Tregaskiss' TOUGH GUN™ Semi-Automatic and Robotic MIG Guns.

### Weld Engineering Co Inc

Booth 37043

#### FH-100 E/P MILL

The new FH-100 E/P MILL separator requires no "head" height. It can be mounted as close to the weld as required. It holds approximately 200lbs of flux. The vacuum is typically provided by our super duty Mighty Mac 5000X.

#### ALT-2-C

With the release of Lincoln Electric's new "Cruiser" welding tractor comes Weld Engineering Co.'s brand new line of powerful lightweight flux recovery systems that mount directly onto the welding tractor. Shown is the electric powered ALT-2-C. Also available are the air-powered APT-2-C and the ultra lightweight air-powered XP-3-TRAC-C.

### Witt Gas Controls

Booth 34030

#### RF85-30N/H-ES Flashback Arrestor

The stainless steel version RF85-30N/H-ES is suitable in particular for hydrogen users working with comparatively high flow rates of up to 900 m<sup>3</sup>/h (approx. 31778 SCFH). It offers protection even at 11 bar (approx 160 psi) overpressure. In addition to hydrogen, the new development is also suitable for natural gas (methane) and LPG (propane), with operating limits of 8 bar (approx. 116 psi) and 5 bar (approx. 73 psi) respectively.