

# PRODUCT HIGHLIGHTS

## Machinery, Tools and Material Handling Products

### ADVANCED FABRICATING MACHINERY

65 Route 125  
Kingston, NH 30848  
Ph: 603.642.4906  
Fax: 603.642.4813  
sales@advancedfab.com  
www.advancedfab.com



Advanced Fabricating Machinery provides the North American HSS-fabricating industry with cost-effective, high-quality machines and service. Specializing in HSS, pipe, bar and profiles, AFM offers products for bending, end-forming, deburring, loading, unloading and transfer. These machines, manufactured by Ineco, Stierli-Bieger, Transfluid, and SOCO, range from entry-level to complete production solutions. This enables AFM to closely define a machine that fits both your requirements and your budget.

### ALLIED MACHINE & ENGINEERING CORP.

120 Deeds Dr.  
Dover, OH 44622  
Ph: 330.343.4283  
Fax: 330.602.3400  
dgiammo@alliedmachine.com  
www.alliedmachine.com

AMEC manufactures replaceable tip drills, featuring the T-A® Drilling System, available as Standard product. Range: 3/8"-4-1/2" (9.5mm-114mm) HSS, Super Cobalt, Premium Cobalt, C2, C3, & C5 substrates. Multiple coatings, including TiN, TiAlN, TiCN and now, CVD Diamond. Specials also available. AQDS, (Allied Quick Delivery Specials) offers fast tooling solutions for drilling applications. Tests make it risk-free to see if Allied tooling is right for your drilling needs. Allied makes holders, standard and special, for drilling systems. The new AMEC Structural Steel T-A® Drilling System is a standard tool made for thin-wall I-Beams and steel-plate applications. Explore Allied's free offering in the AMEC Product Selector, (www.drillsolution.com) designed to help you choose the best tool for your drilling application. New from AMEC: EcoCut Tooling, four tools in one; ASC 320 High Penetration drills are now available for stainless-steel and high-temperature Alloys; and the AccuPort 432™ Port Contour Cutter, a one-operation port-hole drilling system.

### ANCHOR LAMINA, INC.

38505 Country Club Drive  
Farmington Hills, MI 48331  
Phone: 248.489.9122  
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smendoza@anchorlamina.com  
www.anchorlamina.com



Lamina Portable Hydraulic Drills are powerful and compact. They are used in steel fabrication and other industries, to drill or tap holes from 19/16" to 4". A magnetic base attaches to the drilling surface for vertical or horizontal work, at virtually any angle. The drill can be fixtured to allow step drilling of larger diameters. The heavy-duty, low-maintenance hydraulic power units are built for continuous operation in difficult conditions, and meet North American and European standards. The hydraulic unit uses the hydraulic/electronic technology and is mounted on a cart for mobility. It is 44-1/2" long x 24-1/2" wide x 54-1/2" high. A remote pendant control includes start-and-stop, speed control and forward/reverse buttons. The system includes all cables and a 12-volt battery back-up. Purchase, rental and rent-to-own plans are available.

### BEHRINGER SAWS, INC.

721 Hemlock Road  
Morgantown, PA 19543  
Ph: 610.286.9777  
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sawing@behringersaws.com  
www.behringersaws.com



Behringer Saws, Vernet Behringer, and Behringer Eisele design, manufacture and install bandsaws, circular saws, fabricating machines and integrated material handling systems for the metalworking and structural steel industries. Behringer Saws manufactures heavy-duty horizontal bandsawing machines, plate saws and power hack saws. Behringer saws are designed to cut ferrous and non-ferrous plates, tubes, profiles, and solids.

Vernet Behringer can meet marking, punching, notching, drilling, shearing, plasma-cutting and coping needs. Their drilling and beam-line machines have CNC-controlled hydraulic feed units for fast and steady performance. Recently, Vernet Behringer added the MAG and MAG B Series of CNC Machines to its Product Line, for punching, drilling, marking and plasma-cutting of large steel plates.

### BOSCH POWER TOOLS, A DIVISION OF ROBERT BOSCH TOOL CORPORATION

1800 West Central Road  
Mount Prospect, IL 60056  
Ph: 224.232.2738  
Fax: 224.232.2734  
beth.karkosak@us.bosch.com  
www.boschtools.com



The Bosch 1711A 5" paddle switch grinder is designed for AC/DC compatibility, working from DC outlets such as welders and generators. The 8.5-amp, 11,000-RPM grinder is composed of three mechanisms that protect the tool from harmful dust and metal debris. The sealed switches, epoxy-coated field windings and directed air-flow keep the destructive dust and debris out of the internal components of the tool, as well as the switch. Additionally, the Service-Minder™ brushes stop the tool automatically when preventative maintenance is required. A number of Bosch accessories are available to use with the 1711A; visit the web site for a full listing.

### CAMBCO, INC.

P.O. Box 37305  
Houston, TX 77237-7305  
Ph: 713.781.9702  
Fax: 713.781.0193  
bob@cambcocoinc.com  
www.cambcocoinc.com



CAMBCO, Inc. offers eight cambering machine models. Four new versions (Models 520, 825, 1170 and 1700), which provide 25% additional cambering capacity at only 12% additional cost, have been added to the four basic machines (Models 420, 700, 1000 and 1400). The Model 420 cambers Grade 50 beams as large as a W30x116 and Model 1700 can camber a W40x397. Conveyorizing versions are also available. All can be purchased as complete machines or as "do-it-yourself" kits.

# PRODUCT HIGHLIGHTS

## Machinery, Tools and Material Handling Products

### COMEQ, INC.

P.O. Box 207  
White Marsh, MD 21162-0207  
Ph: 410.933.8500  
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sales@comeq.com  
www.comeq.com



ROUND0 section-bending rolls (or angle-bending rolls) are machines for rolling structural sections. They are available in 22 models and sizes, and can roll up to 44" beams the easy way, 33" beams the hard way, 24" pipe and round tubing, and HSS to the largest available sizes. ROUND0 BeamBenders can roll up to 44" beams both the easy and the hard way. In addition, special machines are available to handle tough rolling requirements. ROUND0 angle rolls, plate rolls, BeamBenders, and welding positioners are produced in Sweden, and have been distributed in North America exclusively by COMEQ since 1970.

### CS UNITEC, INC.

22 Harbor Ave.  
Norwalk, CT 06850  
Ph: 800.700.5919  
Fax: 203.853.9921  
info@csunitec.com  
www.csunitec.com



CS Unitec specializes in electric, pneumatic, and hydraulic power tools for construction and industry. Lightweight yet powerful portable magnetic drills can cut up to 5" diameter holes through 4"-thick steel. At only 24 lb, the Model ECO-32, with a 9.5 AMP motor, can drill up to 1-1/4" holes in structural steel. The new ECO-50 Magnetic Drill weighs 29 lb and drills up to 2"-diameter holes for shop or job-site use.

CS Unitec offers more than 100 specialized industrial power tools. To request a catalog, visit the web site or call the toll-free number.

### DAITO USA

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davel@wamcousa.com  
www.daito-seiki.com/english



Daito manufactures CNC-drilling and bandsaw machines for structural steel fabrication. Daito introduced the world's fastest CNC drill for beams at the 2003 NASCC in Baltimore. The CSD Series machines bring new carbide drilling technology to structural fabrication. Daito offers a full line of drills from the CSD Series carbide drills to the entry-level DNE700, now offered with programmable, powered feed.

### DEWALT

701 East Joppa Rd.  
Baltimore, MD 21286  
Ph: 800.433.9258  
www.dewalt.com

DEWALT's 7" and 9" large-angle grinders feature more torque and power for faster material removal, greater durability for continuous

## PRODUCT CASE STUDY



In business since 1936, the U.S. Bridge Company in Cambridge, OH is an established, AISC-member bridge designer and fabricator. Always looking for ways to increase productivity and transport bridge components to the jobsite faster, the company accepted a challenge to increase efficiency in hole-drilling.

U.S. Bridge chose to test its present method of drilling against a system recommended by Nationwide Industrial Supply of Youngstown, OH. The test consisted of having a crew of three workers start at one end of a truss, with each worker using a traditional, manually operated magnetic-

drill press. Starting at the other end of the same truss was one worker who was running two Nitto Kohki Model WA-3500 automatic-feed magnetic-base drills. The worker using the Nitto drills was able to start one unit drilling automatically. While it was drilling, he would set up the other drill for the next hole. By the time he finished positioning the second drill, the first drill had completed its hole and was ready for the next. In this way, no time was lost during drill positioning and setup.

Even though the crew of three got a good head start over the crew of one, both crews ended up meeting in the center of the truss. This prompted U.S. Bridge to purchase six of the WA-3500 drills.

In addition to the time and labor savings, the WA-3500 drills offer a durability advantage. In manual drilling, cutter life depends largely on the machine operator—every operator applies different feed pressures, and

even the same operator applies different feed pressures from hole to hole. With the Nitto automatic system, the machine applies feed pressure, depending on the amp load on the motor. This takes operator error out of the picture. Previously, U.S. Bridge drill operators could cut 50 holes to 600 holes from one cutter while drilling manually. But now with the WA-3500 drills, this has translated to more than 1000 holes per cutter, with less demand on the operator to apply the exact same feed pressure on every hole. ★



## U.S. Bridge Company



# PRODUCT HIGHLIGHTS

## Machinery, Tools and Material Handling Products

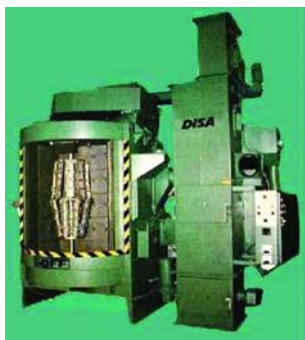


use, and better ergonomics for easier tool operation. Made for professional metal workers, welders, structural-steel fabricators, ship builders, pipe liners, and other tradespeople, DEWALT's line of large-angle grinders includes four models with different ranges of torque and RPM. Each model is built around a 15-amp AC/DC motor with 4 horsepower maximum motor output and 3,084 maximum watts output.

DEWALT's 9" D28494N and 7" D28474W models offer light weight and high power. The D28494N runs at 6,000 RPM with 125 in/lb of torque to maximize the rate of material removal. The 7" D28474W operates at 8,000 RPM with 100 in/lb of torque for improved productivity. DEWALT also offers two higher-torque, more traditional units with lower RPM.

### **DISA GOFF INC.**

One Pleasant Grove Rd.  
P.O. Box 1607  
Seminole, OK 74818-1607  
Ph: 405.382.6900 or 800.654.4633  
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disagoff@disagoff.com  
www.disagoff.com



DISA Goff offers a full product line of U.S.-manufactured abrasive blast-cleaning equipment and HydroPulse degreasing equipment. The abrasive blast-cleaning product designs include barrel blast, spinner hangers, table blast, skew roll, monorail, wire mesh pass-through, roll conveyor, wire and rod descenders, strip and plate cleaners, numerous heavy-duty foundry machines, shot peeners and various configurations of custom designs for special application requirements. HydroPulse degreasing equipment is available in batch, table, spinner hanger, mesh belt pass-through, monorail and numerous custom designs.

### **ESAB WELDING & CUTTING PRODUCTS**

411 S. Ebenezer Road  
Florence, SC 29501  
Ph: 843.669.4411  
Fax: 843.664.4258  
www.esabna.com



The Aristo 400/500 series systems, the AristoMig, AristoTig and AristoArc systems, are for shipbuilding, mobile machinery, civil and offshore construction, auto production, power generation and more. The system is modular in nature and can be "built" with ideal components to meet any operator's demands.

It's also upgradeable for future needs. Designed for tough environments, the casing is made from corrosion-proof Alutech™ extruded aluminum. "Intelligence" is provided by a series of easy-to-use communications/control modules. Aristo's digital communications are resistant to disturbances and use few cables for reliability.

### **FACCIN USA INC**

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Tampa, FL 33619  
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www.faccin.com

### **FAVELLE FAVCO USA, INC.**

PO Box 3049  
Harlingen, TX 78551-3049  
Ph: 956.428.7488  
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sales@favcousa.com  
www.favcousa.com



Favelle Favco USA, Inc. manufactures a full range of construction tower cranes, offshore pedestal cranes, ship cranes and wharf cranes, plus telescopic and lattice-boom cranes. The telescoping boom cranes have 30-ton and 40-ton capacity and are based on a Caterpillar excavator power module including undercarriage, engine and cab. They are capable of 360° lifting, on slopes as much as five degrees. With standard 32" triple-grouser pads, the machines have a ground pressure of less than 8.0 psi for operation on soft surfaces, versus the 60 psi-105 psi for comparable tire-mounted rough-terrain cranes.

### **FICEP CORPORATION**

2301 Industry Court  
Forest Hill Industrial Airpark  
Forest Hill, MD 21050  
Ph: 410.588.5800  
Fax: 410.588.5900  
www.ficepcorp.com



Ficep Corporation has installed more than 40 CNC systems for the fabrication of structural steel and plate in the United States during the past nine months. This product range includes angle lines, drill lines, coping systems, band saws and plate-fabrication systems.

The Type B 25 is new to the North American market this year. This system can process plates up to 8' wide and 65' long. It combines the operations of punching, drilling, marking, plasma and oxy-fuel cutting so you can go from stock plates to finished parts with accurate technology.

### **FRANKLIN MANUFACTURING, INC.**

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Russelville, AL 35653  
Ph: 256.332.6654  
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info@fmi-solutions.com  
www.fmi-solutions.com



Franklin is a worldwide supplier of CNC fabricating systems. Franklin products are used in pre-engineered steel buildings, heavy structural fabrication and joist fabrication. The CNC product line includes: PF196x72 plasma/punch plate fabricators, BL-100-5(5-Press) beam lines, HD-145 structural drills, large structural band saws, AFC5108 CNC angle lines, plate duplicators and engineered material-handling systems. Franklin also manufactures a complete line of portable punch presses and shears, with more than 150 units in stock.

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## Machinery, Tools and Material Handling Products

### G.W.Y., INC.

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Ph: 888.838.6500  
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gwynne@gwyinc.mv.com  
www.gwyinc.com



GWY, Inc. is celebrating its 28th year of distributing installation tools for structural bolting. GWY has a full line of installation wrenches for both TC Bolts and standard structural bolts. Like the TC wrenches, GWY's wrenches for heavy hex head structural bolts are constant-speed electric tools so bolts can be tightened from one side by one person. GWY also rents installation tools. GWY's large spare parts inventory means same-day service for most tool repairs.

### HECK INDUSTRIES

P.O. Box 425  
Heartland, MI 48353  
Ph: 810.632.5400  
Fax: 810.632.6640  
Heckind.net

Heck Industries has added a new lightweight machine to its line of beveling equipment. The new Model 8000 Bevel-Mill, is designed for plate-edge beveling for weld preparation also finish chamfering. This replaces the traditional methods of beveling, such as flame-cutting and hand-grinding, producing a faster and cleaner edge. The Bevel-Mill uses inexpensive indexable carbide inserts in a milling-type cutter to produce clean and accurate bevels. The Model 8000 bevels up to 6'-8' per minute on aluminum to stainless steel. Other features include variable-angle-15 degrees-45 degrees and adjustable depth of cut. Corner rounding or radii can also be performed with interchangeable inserts used for cleaning the welds off box corners, or rounding the edge of structural steel prior to painting as a "stop chip edge."

### HOUGEN MANUFACTURING, INC.

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Swartz Creek, MI 48473  
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www.hougen.com



Hougen manufactures smooth-action, quill-feed portable magnetic drills. The HMD150 Rescue Drill makes holes up to 1-<sup>3</sup>/<sub>8</sub>" diameter thru materials 1" thick with Hougen's RotaLoc Plus™ Quick Change annular cutters. It's compact, weighs 22.7 lb and has

high-torque motor/gearing. The HMD505 is useful for a range of applications but maintains a constant profile. It weighs 45 lb, features two speeds, and can drill from 7/<sub>16</sub>" to 2-<sup>3</sup>/<sub>8</sub>" diameter and to 3" depths using Rotabroach® Annular Cutters. The HMD904 maintains cutting speeds and feeds for deep holes, large holes and holes in tough alloys. It weighs 27.5 lb. and drills holes up to 1-<sup>1</sup>/<sub>2</sub>" diameter thru 2" depth of cut.

## PRODUCT CASE STUDY

## John Maltese Iron Works



Left: Peddinghaus' 42 year-old Peddinghaus 210/20 universal ironworker, at home in John Maltese Iron Works.  
Above center: Sanctuary expansion of St. Gregory's Church, Hamilton Square, NJ, 111.5 tons of structural steel.  
Above right: Addition to Mendham High School in Mendham, NJ, 48 tons of structural steel.

Typically, structural fabricators fill market needs in geographic areas, and use equipment that meets their customers' requirements on a timely and accurate basis.

One such fabricator is John Maltese Iron Works of North Brunswick, NJ. Founded in 1954, Maltese Iron specializes in churches, schools, shopping malls, one/two story office buildings, and similar steel structures. An AISC member, Maltese Iron has fabricated many successful projects up to 1,000 tons. These include the Mendham High School in Mendham, NJ, St. Gregory's Church, Hamilton Square, NJ and the Byram School in Byram, NJ.

While the New York/New Jersey market that Maltese serves has seen many changes in fabrication technique, style, and demand, one thing has remained consistent for Maltese since 1961: the production of their 42-year-old Peddinghaus model 210/20 universal ironworker.

This machine has five separate stations for serving the various processes of structural steel: punching, notching, shearing and coping. All shapes can be processed: angle iron at 90 degrees and 45 degrees, flat bar, plate, channel, beams, and even round and square bar.

"We are very proud to be building America as a member of the steel construction industry," said

Ed Boris, Shop Manager. "Our Peddinghaus 210/20 machine has been a steady contributor, along with the guys in our shop."

When John Maltese purchased the machine from Peddinghaus in 1961, he never dreamed of the legacy that he would leave the business. Maltese Iron Works is a family-owned company, with the next generation leading the way.

"Peddinghaus is grateful for the opportunity Mr. Maltese granted to us 42 years ago," said Lyle Menke, Peddinghaus' vice president of marketing. "We are pleased that the machine has served him well, and has been instrumental in the growth of his company—and the steel construction industry." ★



# PRODUCT HIGHLIGHTS

## Machinery, Tools and Material Handling Products

### INTERTHOR, INC.

1817 Beach Street  
Broadview, IL 60155  
Ph: 708.345.1270  
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www.interthor.com



Trans-Positioners from Interthor allow workers to lift, transport, and position up to 3000 lb at a time. Whether for loading or off-loading pallets, picking orders, or for positioning materials at workbenches

or production machines, Trans-Positioners can increase safety and productivity. They eliminate repetitive bending, lifting, and carrying, all at a fraction of the cost of a driver-operated fork lift truck. Designed to handle any type of pallet or skid, Trans-Positioners can be operated by anyone. Low 52.5" overall height and dual-wheel steering provide unobstructed operator views and maneuverability. The customer can choose manual or electric lift and drive. Standard features include infinite height adjustment, safety wheel/toe guards, and auto-stop release. Electric models have extended-duty cycles, battery discharge indicators, and integral battery chargers.

### J&B SPECIALTY TOOL

526 A Paradise Way W.  
Greenwood, IN 46143  
Ph: 317.883.1849  
Fax: 317.883.1949  
jbc@indyweb.net  
www.beamgauge tool.com



The beam gauge tool is two- to three-times faster and more accurate than previous methods of

laying out holes in the web. It contacts the outside of the flange at the center line of the web, as shown on structural blueprints for fabricators. Generally, layout people measure from the top of the flange to get to the first hole gauge. If flanges are tipped in or out (not square), the holes will be off. This presents a problem for erectors, because when things don't line up, the job cannot be completed on schedule, and everyone is thrown off track.

New addition! 2' adjustable stand-alone square, for laying-out stairs, handrails, plates and beams. Comes with a time-saving hint for laying-out stair stringers with landings. Suggested retail price \$49.95 plus shipping and handling. Introductory offer \$36.95 plus shipping and handling, through 1/1/04.

### JESSE ENGINEERING

5225 7th Street, East  
Tacoma, WA 98424  
Ph: 253.922.7433  
Fax: 253.922.2536  
tmorgan@jesse-wallace.com  
www.jesse-wallace.com



Heavy metal fabrication, automated industrial machinery. Capital, CMH Crane Division, specializes in overhead and gantry cranes and crane service. Wallace Coast Division specializes in pipe shop systems. Pipe benders (manual to fully CNC), PipeShop® custom software, pipe-fabrication equipment for storage, selection, cutting, sanding; flange-welding, conveying, saddle and hole cutting, system integration. Complete robotic profile-cutting systems and saddle- and hole-cutting systems.

### JLG INDUSTRIES, INC.

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Hagerstown, MD 21742  
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www.jlg.com



With 135' platform height and wide horizontal reach, the JLG® Model 1350SJP telescoping boom lift is the highest-reaching self-propelled telescoping boom lift available. It covers up to 50% more area than boom lifts with a 125' platform height, and

has 1,000-lb restricted platform capacity for the majority of its work envelope. The lift has unrestricted platform capacity of 500 lb. The Model 1350SJP incorporates the JibPLUS® 8' articulating jib boom that moves vertically and horizontally. In its stowed configuration, the machine can be transported on a standard low-boy trailer. Advanced features include proportional controls, oscillating axle and four-wheel drive.

### KALTENBACH, INC.

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Columbus, IN 47201  
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mac@kaltenbachusa.com  
www.kaltenbachusa.com



Kaltenbach manufactures a complete range of machinery, measuring and material-handling systems for structural fabricators and structural steel service centers, including: circular saws up to 48" capacity; bandsaws up to 60" capacity; 3-

axis CNC-drilling machines; flat, angle and channel punch/shear lines; shotblast machinery; plasma plate processing centers and robotic coping cells. Established in 1887, Kaltenbach offers consultancy, machinery and service back-up, to provide low cost-of-ownership to the structural steel fabrication industry.

### THE LINCOLN ELECTRIC COMPANY

22801 St. Clair Ave.  
Cleveland, OH 44117-1199  
Ph: 216.481.8100  
Fax: 216.486.1751  
info@lincolnelectric.com  
www.lincolnelectric.com

Lincoln Electric's new auto-darkening Ultrashade® welding helmets offer updated designs and graphics without sacrificing quality or safety. These new helmets offer electronics, Swiss optics, an adjustable ergonomic design, and a two-year warranty. Features include a new edge lip to help shed spatter; an extended forehead for more coverage; and a front opening to meet the industry standard for clear spatter shields. As a welding arc is detected, the helmet automatically darkens to the correct level of shade protection within a fraction of milliseconds. The adjustable design keeps the mask comfortably in place, even after many hours.

# PRODUCT HIGHLIGHTS

## Machinery, Tools and Material Handling Products

### LISTA INTERNATIONAL CORPORATION

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www.listaintl.com



Lista International offers Mobile Cabinets, mini-work stations on wheels, available in a variety of heights, widths and depths. Lista's narrow width and shallow depth Mobile Cabinets work for maneuverability in confined areas. They have handles, and two rigid and two swivel heavy-duty ball-bearing casters. Each cabinet has a locking system, and individual drawer latches lock drawers shut for safety when moving. The cabinet drawers feature a 440-lb load capacity, and are available in seven different full-sidewall heights for maximum cubic storage capacity. By extending a full 100% from the housing, the drawers allow full use of the furthest corner and accessibility to all contents. The cabinets feature Lista's patented PreventTip® safety system to prevent accidental tipping. Lista's drawer compartment interiors can be customized with dividing and partitioning accessories. A variety of worksurfaces are available.

### MESSER-MG SYSTEMS & WELDING, INC.

W141 N9427 Fountain Blvd.  
Menomonee Falls, WI 53051  
Ph: 262.255.5520  
Fax: 262.255.5170  
sales@messer-mg.com  
www.mg-systems-welding.com



Messer-MG offers a complete line of plate-processing equipment, with more than 4,000 systems. Messer-MG offers plasma and oxy-fuel cutting, drill and tap units, and beveling units. A heavy-duty drill unit can provide through-hole capabilities in up to 1"-thick mild steel. In addition, threads up to 1/2"-13 can be established with the tap unit. A hold-down shoe automatically engages the plate during drilling and tapping to hold it in place. Beveling units help eliminate other operations by creating bevels for weld-preparation grooves. Both bevel

and land-edge configurations can be produced, while our bevel-angle-change-on-the-fly feature allows controlled variations of bevel angles for consistency after bending or rolling.

### ML USA ERCOLINA

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www.ercolina-usa.com



Ercolina's rotary-draw Mega-Bender 030 produces repeatable accurate bends to center-line radius as tight as two-times material diameter in HSS, pipe and profiles up to 3" diameter without a mandrel. Heavy-duty gear case with variable-RPM bend speed accommodates work-piece centerline bend radius up to 15". Programmable controls with digital display stores 10 individual programs, with nine separate bend-angle and material spring-back values in each program. Tooling mounts rapidly to hex shaft for quick setup and changeover. Optional mandrel bending system adapts easily to Mega-Bender for centerline radius as small as 1.5 times diameter.

### MQ POWER, A DIVISION OF MULTIQUIP INC.

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www.mqpower.com



MQ Power supplies portable generators to the construction and rental industries. A division of Multiquip Inc., based in Carson, CA, the company manufactures a full line of self-contained power generators ranging in size from 2.3 kW to 2,000 kW. MQ Power's Engine & Equipment division manufactures prime power and standby gensets up to 2,000 kW for the military, government, telecommunications and entertainment industries. The Whisperwatt line of self-contained power generators are recognized for reliability, ultra-quiet performance, containerized generators, Crawford studio units, industrial generators, and the new Ultra-Silent Series Generators.

### NITTO KOHKI U.S.A., INC.

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Hanover Park, IL 60133  
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The new UOJ-3500 boasts a 1-3/8" through 2" material hole-drilling capacity, powerful one-horsepower, 700-rpm motor, precision-machined aluminum diecast mainframe, reversible-feed handle for right- or left-hand operation, rear-mounted control panel with LED load indicator, "One-Touch" cutter installation/removal, built-in motion detector that interrupts motor operation in case of sudden machine movement, through-spindle frame-mount coolant system enhances drilling performance while extending cutter life, and accepts 3" DOC cutters for extended reach.

The new WA-3500 drilling machine has a 1-3/8" x 2" hole-drilling capacity, auto feed, through-spindle frame-mount coolant system, variable feed rate, overload stop, automatic cycle stop, "One-Touch" cutter replacement system, built-in motion sensor, magnet open-circuit sensor, maximum travel cut-off, and the slow-feed start mechanism.

### OCEAN MACHINERY

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www.oceanavenger.com,  
www.oceanmachinery.com



Ocean Machinery presents the Ocean Avenger, a beam line that handles beam sizes up to 40" and any length. The Ocean Avenger is made in the USA by Peddinghaus. It sells for less than half the cost of a traditional beam line, takes up less than half the floor space and it drills base plates, angles, channels, and square and round HSS and pipe with hole diameters up to 1-9/16". The Ocean Avenger drills steel up to 10" thick. This makes it the ideal drilling solution for the small to medium structural steel fabricator, who wants to dramatically improve productivity and reduce fabricating costs.



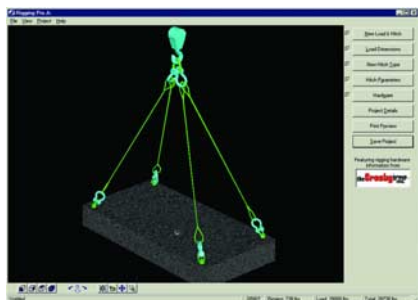
# PRODUCT HIGHLIGHTS

## Machinery, Tools and Material Handling Products

### PAT AMERICA INC.

1665 Orchard Drive  
Chambersburg, PA 17201  
Phone: 717.263.7655  
Fax: 717.263.7845  
info@patamerica.com

Rigging Pro provides a Windows-based suite of three powerful programs designed to help crane professionals create and evaluate rigging plans. The 3D Project Wizard leads the designer step-by-step to specify the load parameters, hitch type, and rigging hardware such as collector rings, shackles, and fittings. Rigging Pro analyzes the load on each sling as it displays the hitch in 3D, then automatically generates a detailed 2D printout of the entire rigging assembly. The 2D SketchPad program quickly creates professional rigging drawings for any rigging situation, complete with title block, text and detailed rigging components, so you can communicate rigging tasks to the field. The Inventory Manager lets you organize, modify, and add custom hardware to Rigging Pro's extensive database of Crosby parts for use with the 3D Project Wizard.



PRS 75 EZ :Wireless Multi-Sensor Indicator for Mobile Cranes has a flexible design for monitoring single or multiple sensor inputs including combinations of load, anti-two block, boom angle, wind speed etc. The operator can pre-set limits on the load, wind speed an all geometric variables through a compact, user-friendly console. The system can monitor main and auxiliary lines with a range of 500 feet. The PRS 75 EZ incorporates proven sensor technology. The system meets ANSI B30.5 standard for load indication.

The PAT Alert, load-motion warning device was developed to improve construction site awareness. It consists of a beacon and controller. The beacon is a compact and durable warning device, which allows operators to alert workers in the immediate area when the load is in motion. The controller allows operators to alert workers on the ground with the simple touch of a button. This patented product will increase jobsite awareness by allowing operators to alert ground personnel when the load is in motion.

### PEDDINGHAUS CORPORATION

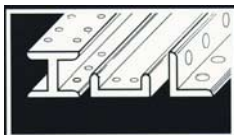
300 N. Washington Avenue  
Bradley, IL 60915  
Ph: 815.937.3800, ext. 218  
Fax: 815.937.4003  
lyle-menke@peddinghaus.com  
www.peddinghaus.com



Peddinghaus' BDL 1250B structural drilling machine processes all structural sections, including beams, columns, channel, tubing, and angles up to 50" wide. Up to nine different hole diameters can be processed, with capability for piece-part marking using a milling cutter housed in the machine frame. A winner of the 2003 HOT PRODUCT competition, the FDB 2500/3 plate detail-processing center uses drilling, punching, oxy-fuel cutting, plasma cutting, and milling-cutter part-marking for plate sections up to 3" thick and 96" wide in a one-pass machine. The new Anglemaster AFPS 643N processes angle iron and flat stock to create angle/flat detail in seconds. The compact design creates four separate hole diameters in the member as it is processed through the machine.

### PENNTech INDUSTRIAL TOOLS, INC.

319 Thomson Park Drive  
Cranberry Township, PA 16066-6430  
Ph: 724.776.2477  
Fax: 724.776.5030  
pntctools@aol.com



Regional distributors of a full range of metal fabricating machinery and tooling products for processing structural shapes, plate, bar stock, pipe & tubing.

### PIRANHA

3310 East 4th Street  
Hutchinson, KS 67501  
Ph: 800.338.5471  
Fax: 620.662.1719  
info@piranhafab.com  
www.piranhafab.com



Piranha offers a complete line of metal fabrication equipment, including single- and dual-operator ironworkers, press brakes, shears, and bending rolls.

Piranha also has a complete line of single-end punch-press machines. The Piranha Press Brake features full tonnage across the bed for maximum flexibility in multi-operation set-ups; parallel movement regardless of off-center loading; and repeatability of +/-0.001" using a single-cylinder, low-maintenance hydraulic system. Press Brake models range in size from 25 tons to 500 tons. Piranha offers 1/4", 3/8", and 1/2" shears, with a a guillotine design, heavy-duty high-speed back gauge, and a fully machined front table. Piranha's light- to heavy-duty bending rolls, include single, initial-pinch and three-roll double-initial-pinch models.

### PRESTO LIFTS INC.

21 Park Street  
Attleboro, MA 02703  
Ph: 508.222.0177  
Fax: 508.222.2996  
sales@prestolifts.com  
www.prestolifts.com



Rol-Lift® Hand Pallet Trucks are available in a variety of sizes, configurations and capacities. Economy models designed for occasional use have 4,500-lb capacity and 48" forks. For more frequent use, standard and heavy-duty models have 5,000-lb and 5,500-lb capacities and are available in 20.5"- 27"-wide configurations with fork lengths as short as 32" and as long as 72". Super Duty Trucks have a 6,500-lb capacity and are available in a wide range of fork lengths and widths. Rol-Lift also manufactures a full line of specialty hand pallet trucks for special-use applications including Low Profile, Four Way, Zinc Coated for hostile environments and Stainless Steel for sanitary applications.

# PRODUCT HIGHLIGHTS

## Machinery, Tools and Material Handling Products

### SCOTCHMAN INDUSTRIES, INC.

180 East Hwy. 14  
P.O. BOX 850  
Philip, SD 57567-0850  
Ph: 800.843.8844  
info@scotchman.com  
www.scotchman.com



Scotchman offers metal-fabricating solutions designs and manufactures equipment for the metal-fabrication industry featuring: hydraulic ironworkers from 40 tons to 120 tons in three distinctive styles: 1) Component Tool Table design, featuring tooling options and mounted on the tool table, 2) Dual Operator Machine, featuring a built-in rectangular notcher and the capacity for two operators to use it simultaneously, 3) Fully Integrated Ironworkers. Scotchman also has a special-tooling department for custom applications. Scotchman also offers circular cold saws with pivot and column design for ferrous and nonferrous applications; band saws 10"-20" capacity with swing-head designs where mitering can be accomplished without material movement; Scotchman Grit Belt Grinders, HSS and Pipe Notchers (0°-60°); centerless grinders for HSS finishing; and deburring machines.

### SOUTHWORTH PRODUCTS CORP.

P.O. Box 1380  
Portland, ME 04104-1380  
Ph: 207.878.0700  
Fax: 207.797.4734  
salesinfo@southworthproducts.com



Backsaver® lift tables from Southworth Products Corporation are available in more than a million different configurations. Designed to improve productivity and worker safety in machine feeding, work positioning, assembly, order picking, pallet loading, and other applications, they can be shipped quickly from stock. Although standard Backsaver Lifts™ can be ordered with capacities from 500 lb to 6,000 lb, and lifting heights up to 56", higher capacities and lifting heights are available. These rugged lift tables feature tabletops with the exclusive Comfort Edge to eliminate sharp corners and improve visibility. Platform sizes range from 24" x 36" up to 72" x 96."

### TIGERSTOP, LLC

12909 SE 95th Street  
Vancouver, WA 98682  
Ph: 360.254.0661  
Fax: 360.260.0755  
rwarberg@tigerstop.com  
www.tigerstop.com



TigerStop features accurate and fast positioning for cut-off equipment, machines, and punching equipment. Standard features include set-point stop mode, push-feed mode, pattern mode, incremental push, 99 programmable hot keys, and 99 programmable cut lists. TigerStop can be a set-point stop system, and you can enter up to 2,000 lengths with a quantity limit of 999 each into its powerful memory. The Heavy Duty can handle heavier loads and lengths up to 150' for efficiency in many environments.

### W.A. SCHMIDT, INC.

38 Souderton Pike  
Souderton, PA 18964  
Ph: 215.523.6719  
Fax: 215.721.5890  
kwanamaker@waschmidt.com  
www.waschmidt.com



W.A. Schmidt's SpaceLoft™ Custom Widespan Mezzanines can help you transform unused overhead space into valuable floor-space. Designed to fit around existing columns and machinery, the SpaceLoft design can maximize usable space by conforming to the characteristics of your facility. You can add on to an existing SpaceLoft mezzanine using the nut-and-bolt design. It allows future expandability without extensive re-engineering. SpaceLofts mezzanine can be dismantled and re-assembled for facility moves. Some potential applications include parts/ inventory storage, production/work platforms, loading docks, mechanical support, office space, and break rooms.