

Messer MetalMaster Xcel Cuts Production Time

Messer Cutting Systems, Menomonee Falls, Wis., has introduced the MetalMaster Xcel, a cutting machine with industry-leading traversing speeds of 3,000 inches per minute, the company claims, and multi-tool capability including plasma, oxyfuel, combination plasma/fiber laser cutting and drilling coupled with OmniWin software.

MetalMaster Xcel is two machines in one, said to produce high-quality cut parts in half the time. Using a plasma/fiber laser combination on the same piece part increases productivity by allowing critical internal features to be cut with the fiber laser and external features to be cut with the plasma torch, all without moving the part to another piece of equipment. Increasing the traverse to 3,000 IPM, including acceleration and deceleration, greatly decreases the travel time from one piece point to the next, the company says. Users can further increase their pro-

ductivity by combining MetalMaster Xcel with various options, including Messer's high-performance shuttle tables and plate lifters, mini storage towers, turntables, and automated storage and retrieval systems.

For more information, call 262-255-5520 or visit www.messer-cs.com.

Circular Saw Replaces Three Bandsaws

Pat Mooney Saws, Inc., Addison, Ill., offers the OMP KR3 Fully Automatic Circular Miter Saw. The KR3 is designed for production sawing applications requiring straight and miter cuts on bars, tubes and structural work pieces.

The KR3's upcut design provides a large cutting capacity of 8.5 inches and the ability to cut angles in the automatic cycle from 75 degrees to the left to 60 degrees from the right. The miter function is fully automatic and allows for multiple angle cuts to be programmed within the same job.

For high-speed cutting and extended saw blade life, several design features are built into the system. The OMP KR3's saw

head is hydraulically driven and controlled via a servo feed system for precise control of the feed rate. The gear box is equipped with a hydraulic brake to ensure that all backlash is removed from the system, resulting in longer blade life and allowing for use of carbide or HSS saw blades.

OMP's ZONE CUT Technology adjusts the feed rate during the cut when sawing round or square tubes. When sawing tubes, there are critical zones that can reduce blade life—the entry and exit points of the tube when the saw is cutting wider, thicker sections of material. In addition, there is an “express zone” where the feed rate can be increased without wearing the saw blade because the blade is cutting through thinner sections of material. In the express zones, ZONE CUT will automatically increase the feed rate; in the critical zones, it will automatically decrease the feed rate. The result is faster cut times and extended saw blade life, the company claims.

An integrated loading system is available that automatically loads round and square materials into the saw. This system can accept bundles up to 8,800

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pounds and will load material until the saw program is complete or the saw is out of material.

For more information, call 800-323-7503 or visit www.patmooneysaws.com.

Cosen CNC-430 Features Smart Control

Cosen Saws USA North America, Charlotte, N.C., offers the CNC-430, a programmable band saw with a 16.5-inch cutting capacity. The machine features the Smart CNC Control, which allows customers to enter the material type, shape, and dimension that they wish to cut. Based on this input, the program automatically recommends cutting rates and blade speeds for the most efficient cut. Operators can easily upload work order data directly from a desktop via USB, which minimizes errors and maximizes operating efficiency.

Unique to the CNC-430 is its automatic blade break-in feature. This helps shops better manage blade life based on data for up to 10 different blade types. It also comes equipped with a Save-a-Blade function in which the blade retracts slightly

immediately after the cut is complete, thereby increasing blade life. Standard on the CNC-430 are automatic first cut and the V_Drive system. Options include a chip conveyor and roller conveyors.

For more information, call 877-729-4641 or visit www.cosensaws.com.

Kasto Unveils New Band Saw Line

Kasto, Inc., Export, Pa., has introduced its new, affordable KastoWin band saw machine line. The new line offers production sawing machines in five available models from the 13-inch capacity KastoWin A3.3 to the 41.75-inch capacity KastoWin A10.6.

Every KastoWin model is equipped with many standard features such as a touch screen operator "smart" control, ball screw saw head and material feed, carbide saw guides, linear guides on the saw head as well as the material feed, and vise clamping. Many other options are available to fit any sawing application. Every KastoWin band saw machine is manufactured and assembled in Germany.

For more information, call 724-325-5600 or visit www.kastoinc.com.

LENOX MAX CT Designed for Hard-to-Cut Metals

LENOX, East Longmeadow, Mass., offers the LENOX MAX CT band saw designed to provide increased blade life, faster cutting and superior part finish when sawing hard-to-cut metals such as nickel-based alloys, stainless steels, tool steels and titanium alloys.

MAX CT features a three-tooth pattern that balances the chip load and reduces cutting forces, leading to longer blade life. The new gullet design uses an optimized geometry to reduce concentration of stress risers, delivering straight cuts and extended fatigue life. Next-generation welding prevents premature tooth loss, providing a stronger bond between the carbide tip and the backing steel. The blade's precision ground carbides create razor sharp teeth for a mirror-like finish on cut parts, the company claims.

For more information, call 800-642-0010 or visit www.lenoxtools.com.

Zone Cut Delivers

FASTER CUT TIMES ON HARD-TO-CUT MATERIALS



Cutting Times

Superduplex 13" Bar	13 min.
410 Stainless 11" Bar	14 min. 30 sec.
K55 Pipe 14" OD x 1" Wall	3 min.



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IDS Series Band Saws Features

- Accurate Guiding Arm
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New Features of Zone Cutting

- Auto-Adjusting Feed/Speed Rates
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- Compatible with Any Blade Brands



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