



NEWS RELEASE

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Mazak to Spotlight Accurate, Affordable Machining Solutions at PMTS 2017

FLORENCE, Ky., Jan. 23, 2017 – At PMTS 2017, taking place April 25 – 27 in Columbus, Ohio, Mazak will showcase several machining solutions that enable shops to cost effectively achieve huge gains in productivity. In booth 349, the company will feature its new QUICK TURN PRIMOS 100, QUICK TURN UNIVERSAL (QTU) 200MSY and VC 500A5X machine models, each with a different level of CNC control technology and able to easily process wide varieties of parts.

The Mazak QUICK TURN PRIMOS 100 turning center is a compact machine that requires just 55" x 49" of floor space, yet gives shops big productivity advantages. A 12-hp / 5,000-rpm turning spindle and 6" chuck are part of an integral spindle/motor design that minimizes machining vibrations. The machine features a high-speed spindle that delivers quick acceleration/deceleration for increased efficiency and packs high levels of torque at low speeds for processing hard materials. Additionally, the machine's upper drum-style turret holds eight tools and offers high-speed, non-lift turret indexing.

The QUICK TURN PRIMOS 100 on display will additionally feature a GL01 Gantry Robot part delivery system equipped with a 10-pallet work stocker and dual parallel 3-jaw grippers with capacity for parts up to 2.95" in diameter and 2.54" long. Compact design with rapid rates of 4,572 ipm B-axis and 3,556 ipm A-axis motion make the GL01 extraordinarily efficient for handling high-volume, small-part production.

Mazak's simple, yet innovative QTU 200MSY Multi-Tasking Machine brings optimum efficiency, accuracy and value to high-volume small parts production. Perfect for the automotive, consumer electronics, contract manufacturing and medical industries, the QTU 200MSY employs a 20-hp 6,000-rpm main spindle and a 10-hp 6,000-rpm second spindle for complete DONE IN ONE® performance. The machine's integral spindle/motor headstock provides unmatched precision in high-speed turning applications. A variable-speed AC motor powers the headstock, so there is smooth acceleration and deceleration.

At the show, the QTU 200MSY will feature Mazak's latest MAZATROL SmoothC control

technology with new and improved features that enhance cutting capabilities and make it easy for operators to generate programs for basic turning, milling, drilling and tapping operations.

Visitors to the Mazak PMTS booth will also discover the benefits of affordable, full 5-axis machining with the company's VC-500A/5X Vertical Machining Center equipped with a trunnion-style rotary/tilt table that allows for the accurate, cost-effective processing of small complex parts. The machine's table tilts +110 degrees / -110 degrees in the B-axis and rotates 360 degrees in the C-axis and can accommodate workpiece weights up to 440 lbs.

The VC-500A/5X comes standard equipped with a robust, high-performance CAT-40, 12,000-rpm spindle that delivers exceptional metal removal capabilities in all common materials, including steel, aluminum and cast iron. A 30-tool capacity tool magazine helps reduce setup time, allows for redundant tooling and provides more unmanned uninterrupted operations.

The machine features the MAZATROL SmoothX CNC, the fastest, most progressive CNC on the market that allows for easier programming in either EIA or MAZATROL conversational and enables overall faster part cycle times. The control has several advanced functions that include High Gain Feed Forward Control, Fast Rotary Axis Speeds, Variable Acceleration Control and Intelligent Pocket Milling.

About Mazak Corporation

Mazak Corporation is a leader in the design and manufacture of productive machine tool solutions. Committed to being a partner to customers with innovative technology, its world-class facility in Florence, Kentucky, produces over 100 models of turning centers, Multi-Tasking machines and vertical machining centers, including 5-axis models. Continuously investing in manufacturing technology allows the Kentucky iSMART Factory to be the most advanced and efficient in the industry, providing high-quality and reliable products through its "Production-On-Demand" practice. Mazak maintains eight Technology Centers across North America to provide local hands-on applications, service and sales support to customers. For more information on Mazak's products and solutions, visit www.MazakUSA.com or follow us on Twitter and Facebook.

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