



NEWS RELEASE

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Mazak Distributor Addy Machinery to Host Open House

Event will emphasize productivity-enhancing solutions for automotive part processing

FLORENCE, Ky., April 13, 2016 – Mazak distributor Addy Machinery will host an open house event with an emphasis on improving automotive part processing efficiency at its Clinton Township, Michigan facility May 11-12. As automakers continue to revamp and shift production emphasis from one vehicle type to the next, manufacturers in the industry must adapt and keep pace. The Addy Machinery event will feature some of the latest productivity enhancing systems and technologies from Mazak that provide the flexibility and performance crucial to maintaining competitiveness in the ever-changing and extremely challenging automotive industry.

Among its featured technologies, Addy Machinery will present Mazak's SMOOTH TECHNOLOGY and other innovations for full factory digital integration as well as demonstrate several advanced machining systems. All of which will be up and running real-world automotive components.

Mazak's SMOOTH TECHNOLOGY is a complete process-performance platform that spans the entire part-production landscape, from programming and setup to metal removal operations to automation to monitoring/data collection and transfer. Key elements of this technology are the company's latest MAZATROL SmoothX and new MAZATROL SmoothG CNCs as well as new machine hardware and servo systems. The technology is also the basis of Mazak's iSMART Factory concept that encompasses advanced manufacturing cells and systems together with full digital integration to achieve free-flow data sharing in terms of process control and operation monitoring.

Mazak machines at the open house and geared toward improved automotive production include the VARIAXIS i-800, HORIZONTAL CENTER NEXUS (HCN) 5000 III, VERTICAL CENTER UNIVERSAL 500A/2PC, INTEGREGX i-100ST, VERTICAL CENTER NEXUS (VCN)-530C and the QUICK TURN UNIVERSAL (QTU) 250.

VARIAXIS i-800 – This highly versatile vertical machining center sports a table size of Ø31.5" x 24.8" and uses its simultaneous 5-axis capabilities to perform multiple and complex curved surface machining on larger workpieces in single setups. It provides dramatic reductions in lead-times and improves workpiece accuracy through the elimination of multiple setups. As a demonstration, it will be machining cast steering components held in Busche workholding fixtures.

HORIZONTAL CENTER NEXUS (HCN) 5000 III – Featuring a high-speed, high-accuracy direct-drive rotary table, this horizontal machining center achieves high-speed, high-accuracy positioning via its advanced headstock design, providing unsurpassed automotive part processing flexibility and significant reductions in non-cut time. When paired with a palletized automation system and vertical machining center, the machine contributes to extreme levels of production versatility and unattended operations. The machine will be outfitted with Sandvik tooling and Tombstone City workholding for a deep-hole drilling demonstration.

VERTICAL CENTER UNIVERSAL (VCU) 500A/2PC – Ideal for those basic automotive workpiece geometries, this simple, yet innovative, 3-axis vertical machining center features a twin-pallet changer that boosts uptime and ensures continuous uninterrupted production. Such efficient automation enhances productivity by allowing operators to load, unload and inspect parts on one pallet, while the machine continues to work undisturbed at the other pallet.

INTEGREX i-100ST – With Mazak's new SMOOTH TECHNOLOGY, this multi-tasking machine adds gear cutting to its capabilities in addition to the high throughput it brings to small complex part production. The machine has two turning spindles, a milling spindle and a lower turret for processing first and second machining operations simultaneously or performing required sequential operations on a single workpiece. At the open house, the machine will perform gear skiving operations.

VERTICAL CENTER NEXUS (VCN)-530C – This vertical machining center's single worktable allows shops supplying the auto industry to process large parts or multiple smaller workpieces in a single machine setup. The machine comes standard with a 15,000-rpm spindle that provides an effective balance of speed and torque for the fast and heavy-duty cutting of various materials used in today's vehicles.

QUICK TURN UNIVERSAL (QTU) 250 – While simple in its design, the 2-axis turning machine has innovative qualities that bring optimum efficiency, accuracy and value to high-volume small parts production. Perfect for the automotive industry, the machine employs a 20-hp, 6,000-rpm spindle and features a zero-backlash integral spindle/motor headstock that gives the machine extreme rigidity for heavy-duty machining along with unmatched precision for high-speed applications.

As a complement to the Mazak technology, Addy will welcome automation provider Automated Controlled Engineering (ACE) to the [open house event](#). The Ann Arbor,

Michigan, company will demonstrate one of its automated cells that allow those shops in the automotive industry to increase overall output with less capital equipment.

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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