



## NEWS RELEASE

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### **Mazak SMOOTH TECHNOLOGY Empowers Manufacturers**

*Dynamic manufacturing platform will feature several new industry-leading solutions at IMTS*

FLORENCE, Ky., September 6, 2016 – Mazak continues to expand its SMOOTH TECHNOLOGY platform with more new and innovative solutions that keep today's manufacturers productive, efficient, competitive and at the forefront of innovation. Unique to the industry, Mazak's SMOOTH TECHNOLOGY is a platform that spans the entire part production landscape from programming and metal removal to automation and data collection.

At IMTS, Mazak will highlight a wide range of new solutions and advanced technology functions under its SMOOTH TECHNOLOGY umbrella.

**MAZATROL Smooth CNC controls** are an integral element of the SMOOTH TECHNOLOGY platform and offer the world's fastest processing speeds and user-friendly programming capabilities. The family of controls includes the MAZATROL SmoothX, SmoothG and the new MAZATROL SmoothC.

**HYBRID Multi-Tasking** machines combine full 5-axis capability and additive technology to revolutionize product design, shorten time to market and reduce R&D costs.

**SMOOTH Gear Cutting** is the combination of advanced Multi-Tasking machines and Mazak's latest developments in SMOOTH Gear Cutting processes such as SMOOTH Gear Skiving, SMOOTH Gear Milling and SMOOTH Gear Hobbing, all of which increase accuracy and productivity with Mazak's DONE IN ONE® part processing.

**Mazak Oval Turning** function allows users to quickly machine highly accurate oval/cam shapes on a turning center that incorporates a special oscillating integrated linear motor synchronized with the machine's spindle.

**SMOOTH Orbiturn** programming function reduces machine operations by giving horizontal machining centers turning capability for specific features on large, cumbersome parts.

**SMOOTH Engraving** function lets users quickly and easily program for engraving operations.

**SMOOTH Set & Inspect** software featured on Mazak machines with MAZATROL SmoothX or SmoothG controls simplifies the programming of tool setting and part probing macros and is ideal for users that want to perform accelerated at-the-machine inspection cycle programming.

**SMOOTH Volumetric Compensation** removes 6 DOF (Degrees of Freedom) errors on each machine axis to provide consistent positioning and ensure high-accuracy work.

**SMOOTH Tool Management and SMOOTH Tool Data Converter** are intelligent process monitoring solutions – MTConnect<sup>®</sup> ready – that help protect expensive tools as well as secure and optimize their performance while overseeing processes and detecting machine faults.

**SMOOTH Spindle Analytics** give users the ability to monitor the spindle's drive and vibration levels in real-time.

**SMOOTH Link** CNC monitoring software makes it possible to monitor and manage machine status via Wi-Fi, which gives operators complete control even when they are away from the machine.

**SMOOTH Monitor** is MTConnect ready and allows for equipment monitoring and utilization analysis via any MAZATROL Smooth CNC.

**SMOOTH PMC** software works within a machine's MAZATROL Smooth CNC and lets users forecast/simulate up to a week's worth of scheduled operation – required tools, machine loads and output – for a Mazak PALLETECH automated manufacturing cell.

For more information on all Mazak's SMOOTH TECHNOLOGY solutions, please visit [MazakUSA.com](http://MazakUSA.com) or visit the company at IMTS 2016 in booth S-8300.

#### 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 Mazak 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](http://www.mazakusa.com) or follow us on Twitter and Facebook.

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