



## NEWS RELEASE

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### **Mazak Introduces New UN Series of Machines for Automotive Manufacturing**

Compact, high-speed horizontal and vertical machines ideal for high-volume production

FLORENCE, Ky., August 4, 2016 – Mazak recently introduced the new UN Series of high-speed vertical and horizontal machining centers, the UN-600/30V and UN-600/30H respectively, to meet the high productivity, reliability, maintenance and automation requirements of the growing automotive manufacturing industry.

Designed for the mass production of automotive components, these #30 taper machines feature an extremely small footprint as indicated by their UN (ultra-narrow) designation and are up to three times more productive per unit of floor space than normal-sized machines. The UN Series machines are automation-friendly, allowing multiple machines to be placed together and tended by one robot.

The width of the UN-600/30V vertical machining center is just 27.4" and can accommodate a maximum workpiece diameter of approximately 23.6". This is made possible by interpolating the machine C- and Y- axes for the X-axis, which is programmed in the same way as a conventional machine X-axis. The UN-600/30V offers 20-tool storage capability.

The UN-600/30H horizontal machining center has the same maximum workpiece diameter of 23.6", and is substantially smaller than other horizontal machining centers in its class. This is achieved by the machine having a compound X-axis, whereby half of the axis stroke is on the machine table and the other half is on the machine column. The UN-600/30H features 30-tool storage capability.

New integral spindle/motors are used for faster acceleration/deceleration to provide unsurpassed high productivity. The UN Series machines feature high-speed 20,000 rpm machine spindles that accelerate to top speeds in just .55 seconds, and perform synchronized tapping at 8,000 rpm.

The machines' linear guides and ball screws are isolated from the machining area to prevent any problems caused by the accumulation of machined chips. Additionally,

areas of the machine that require frequent access, such as the lubrication and air inlets, are centrally located for convenient maintenance to ensure high machine reliability.

The new UN Series debuted at the Mazak Mass-Production Machine Fair event, which was held at the Mazak Minokamo World Technology Center July 14-15, 2016. For more information on the UN Series of machines, please visit [MazakUSA.com](http://MazakUSA.com).

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

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