

## Compact and high-performance Vertical CNC Lathe "MEGA TURN 400"

Yamazaki Mazak Corporation has announced the start of sales of the MEGA TURN 400, a compact and high-performance vertical CNC lathe, designed for mass production applications such as those found in the automotive industry.

The MEGA TURN 400 is equipped with a rigid integral spindle/motor for unsurpassed machining performance. The spindle acceleration/deceleration is optimized for mass production applications. A straddle cut unit is available for the simultaneous cutting of both sides of a brake disc by two tools as well as a machine package for the cutting of cast iron without coolant. As a result, this machine is extremely effective for the machining of brake discs and other similar workpieces with high speed and high accuracy.

Large volume production lines can be comprised of the MEGA TURN 400 with extremely small floor space requirements and layout flexibility thanks to the availability of a mirror-image version. The substantially smaller machine width, (1,690mm) when compared to other machines, and the rear discharge chip conveyor are also important factors in this regard. Furthermore, the machine design focus on ergonomics provides exceptional ease of operation and maintenance with features such as the adjustable CNC touch panel and items requiring frequent access, such as the lubrication and air inlets, are in one central location. Environmental considerations are also included in the machine design such as the use of low power consumption LED worklights inside the machine and separating machine lubricants from the chips and coolant. Two CNC systems are available- the touch panel-type MAZATROL SmoothG or the compact MAZATROL SmoothC.

The MEGA TURN 400 is designed to effectively meet today's requirements of manufacturers for mass production turning applications of workpieces up to  $\phi$  400mm.



**Vertical CNC Lathe "MEGA TURN 400"**

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Information in this press release is current at the time of publication.

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