

For Immediate Release

News From: Absolute Machine Tools, Inc.

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With Art: Quicktech S-32 twin spindle mill/turn center

Compact S-32 ATM 9-Axis Twin Spindle Mill/Turn Center from Quicktech Features B-Axis and Automatic Tool Changer To Maximize Precision Output of Small, Complex Parts

[LORAIN, OH – November 14, 2017] The compact, high-precision [Quicktech S-32 ATM 9-axis twin spindle mill/turn center](#) combines integral-motor main- and sub-spindles with a 190° B-axis milling head and a fast automatic toolchanger to maximize output of small, complex parts. [Quicktech machines](#) are distributed in North America exclusively by Absolute Machine Tools, Inc. Steve Ortner, president and owner of Absolute Machine Tools, said, “These compact, versatile machines enable manufacturers to produce precise, complex smaller parts quickly, with the added benefits of the accuracy and consistency that result from processing the parts on a single machine tool. This machine is ideal for medical applications, for example.”

The S-32 ATM has 9 axes in total, including two turning spindles and a 190° B-axis milling spindle, serviced by a 24-tool arm-type automatic changer. Six fixed gang-type I.D. turning tools at sub-spindle result in a total capacity of 30 tools. The machine’s compact 3750mm (150") x 2175mm (87") x 2025mm (81") dimensions (including chip conveyor) promote efficient use of manufacturing floor space.

Both the main spindle and sub-spindle feature 6,000 rpm, 5-hp high-torque integral motors and have 42mm collet chucks (or 5" 3-jaw hydraulic chucks) with capacity for 30mm bar stock. The spindles feature a continuous C-axis with a braking system and are fully synchronized for fast and accurate part transfer.

The 10,000 rpm, 3-hp, HSK40-T B-axis milling spindle services both turning main- and sub-spindles and has a working range of 190° (+/- 95° from vertical). The B-axis is locked in position for rigid turning operations. The 24-tool arm-type toolchanger, with an HSK-40T quick-change tooling system, produces tool change times of only 1.3 seconds. The sub-spindle moves in the X-, Y-, and Z-axes, and in the X-axis can move above and below the centerline to clear the B-axis and enable it to have full tilting capabilities. At the sub-spindle are six gang-type turning tools that allow simultaneous turning and milling operations. Rigid tapping is standard.

The S-32 ATM is built for precision and durability. The main and sub-spindles employ P4 high-precision bearings for stability and heavy cutting ability. The machine frame and all major components are heavy Meehanite cast iron. Large 35mm Hiwin roller-type linear guideways in all linear axes provide stability and permit heavier machining. Substantial 32mm ballscrews are double anchored, pre-tensioned and direct coupled to the machine's servomotors.

The [mill/turn center](#) is equipped with a Mitsubishi M830W control with a 475mm (19") LCD, and all spindles and axes employ Mitsubishi AC servomotors and amplifiers. Also available is a Fanuc OiT-F control with a 275mm (15") LCD and matching Fanuc motors and drives. Standard machine features include a bar feeder interface, parts conveyor and catcher, chip conveyor, collet chucks and a 400 psi coolant pump.

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About Absolute Machine Tools, Inc.

Absolute Machine Tools, Inc. sells and supports Johnford Sliding Double Column Machining Centers; You Ji Vertical Turret Lathes; Tongtai Horizontal Machining Centers; Quicktech Multi-Axis Multi-Spindle Mill/Turn Centers; Lico Multi-Slide CNC Screw Machines and Twin Spindle Multi-Side Mill/Turn Centers; Nexturn Swiss-type Lathes; AccuteX Wire EDM and Die Sinker Machines; Yougar EDM Drills; APEC 5-axis Gantry-style Linear Motor Machining Centers; and Precihole Gundrilling Machines. The company has worked with several of its principal machine tool partners for over 25 years to offer some of the most heavy-duty, accurate, and productive machines in the industry. The company has built its reputation on exemplary applications engineering, service, customer support, comprehensive training, and effective preventive-maintenance programs. In addition to its headquarters in Lorain, Ohio, the company has established direct full-service technical centers in Mason, Ohio, Elgin, Illinois, and Livonia, Michigan. For more information, contact Absolute Machine Tools, Inc. at 800-852-7825 or www.absolutemachine.com.