

For Immediate Release

News From: Absolute Machine Tools, Inc.

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With Art: Quicktech i-60 ROBO turn/mill center

**Quicktech i-42 ROBO/ i-60 ROBO 4-Axis Mill/Turn Centers
Feature Integrated 6-Axis Robot and Optional B-Axis**

[LORAIN, OH – May 25, 2017] [Quicktech i-42 ROBO and i-60 ROBO 4-axis mill/turn centers](#) feature integrated 6-axis Mitsubishi robots for fast, automated loading and unloading of medium-diameter (i42: 42mm/1.68", i60: 60mm/2.36") bar stock. In addition to carrying out highly productive turning, the machines can perform complex milling with standard live tools. An optional 360° B-axis further extends milling capabilities. [Quicktech machines](#) are distributed in North America exclusively by Absolute Machine Tools, Inc.

The Mitsubishi S-series 6-axis high-speed robot automatically loads, unloads, or turns over parts weighing up to 13 lbs. An optional multi-tray pallet handling system enables untended operation. The robot is contained within the machine and is positioned to allow unimpeded operator access for machine setup and operation.

The i-42 ROBO and i-60 ROBO machines operate in 4 axes (5 with the optional B-axis), with a 15-hp high-torque turning spindle that features C-axis capability, a 2-hp live tool milling spindle, and capacity for 17 tools (23 with B-axis). A standard DIN-173-42B collet chuck provides capacity for 42mm bar, while an optional with a 60mm collet or 6", 3-jaw chuck offers 60mm bar capacity.

The machines' innovative tooling arrangement provides partmaking flexibility and efficiency. A 3-axis (4-axis with optional B-axis) gang-type vertical tool post serves the main spindle with 6 O.D. turning tools, 5 I.D. turning tools, and 3 radial and 3 axial live tool heads. The tool post also provides Y-axis motion for off-center milling operations. Rigid tapping is standard, as is the Kennametal KM-25 quick-change system that minimizes tool change time.

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A matched CNC system combines a Mitsubishi M80A control, featuring a 260mm (10.4") LCD, with Mitsubishi servomotors and amplifiers for top reliability and performance. Standard machine features include a bar feeder interface, parts conveyor and catcher, chip conveyor, collet chucks and a 400 psi coolant pump.

Machine frames and all major components are heavy Meehanite cast iron. In addition, the i42 and i60 ROBO machines utilize large 35mm Hiwin roller type linear guideways and double-anchored, pre-tensioned 32mm ballscrews.

Steve Ortner, president and owner of Absolute Machine Tools, said, "Robotic part handling combined with the speed, efficiency, and flexibility of the Quicktech i42 and i60 turn/mill centers creates an integrated, highly productive manufacturing package."

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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-Axis Multi-Slide Screw Machines; Nexturn Swiss-type Lathes; Precihole Gundrilling and Rifling Machines; AccuteX EDM Wire, Sinker and Hole Drilling 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., 800-852-7825, sales@absolutemachine.com, or www.absolutemachine.com.