

IMTS 2018 NEWS - For Immediate Release

News From: Absolute Machine Tools, Inc.
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With Art: Quicktech i-60 ROBO Mill/Turn Center

**Quicktech i-42 ROBO/ i-60 ROBO 4-Axis Mill/Turn Centers
Feature integrated 6-Axis Robot and Optional B-Axis****IMTS 2018 Booth S-338536**

[LORAIN, OH – JUNE 2018] [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. and will be on display at IMTS 2018 in their booth S-338536.

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 4 pallet stacker handling system enables extended 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 part making 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 optional B axis increase live tool capacity to 6 radial and 6 axial positions. 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.

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."

For more information, visit IMTS 2018 booth S-338536, browse

www.absolutemachine.com, or call 800-852-7825.

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About Absolute Machine Tools, Inc.

Absolute Machine Tools, Inc. sells and supports Johnford Bridge & Gantry Mills; You Ji Vertical Turret Lathes; Tongtai Horizontal Machining Centers (former Hitachi-Seiki OEM); Quicktech Multi-Axis Multi-Spindle [Mill/Turn Centers](#); Lico Multi-Slide CNC Screw Machines and Twin Spindle Multi-Slide Mill/Turn Centers; Nexturn Swiss-type Lathes; AccuteX Wire EDM and Die Sinker Machines; 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.