

IMTS 2018 NEWS - For Immediate Release

News From: Absolute Machine Tools, Inc.
7420 Industrial Parkway, Lorain, OH 44053
Contact: Courtney Ortner 800-852-7825
Media Contact: Lynn Gorman Communications, lynn@gorcomm.com, 352-489-4788
With Art: *Tongtai TMS Series*

**Tongtai TMS Series 5-Axis Mill/Turn Centers Feature B-Axis Head at IMTS 2018
Booth S-338536**

[LORAIN, OH – JUNE 2018] Tongtai [TMS Series mill/turn machines](#) are available in 4 different models, each available in 3 different configurations with up to 9 total axes. They will be in action at IMTS 2018 in Absolute Machine Tool's booth S-338536. The standard TMS machine has a programmable tailstock. The TMS-S has a sub-spindle in place of the tailstock, and the TMS-ST features both a sub-spindle and a lower turning turret. Maximum turning diameter for the machines is 25.98" (660 mm) with bed lengths up to 80" (2000mm).

The TMS Series consists of the TMS-2000 (8" chuck, 2.5" bar), TMS-2500 (10" chuck, 3" bar), TMS-3000 (12" chuck, 3" bar), and TMS-3800 (15" chuck, 3.5" bar). These machines feature a one piece 75° mono-block slant bed that permits free flow of chips as well as easy access to the spindles and cutting tools. A true linear (perpendicular) Y-axis simplifies programming. Roller-type linear guideways in all axes and large-diameter pre-tensioned ballscrews provide precise position accuracy. Machine chassis are made of Meehanite cast iron for rigidity and vibration dampening.

Both main and sub-spindles feature dual-wound integral motors with electronic high/low gears. Both spindles have a full contouring Cs-axis with braking system. Three-piece Hirth couplings rigidly lock the spindles in place in 1° increments for heavy milling and high accuracy. Spindle power ranges from 20HP on the TMS-2000 to 40HP on the TMS-3800. Both main and sub-spindles are liquid cooled for thermal stability.

The B-axis milling spindle features a zero-backlash roller gear drive with high-speed rotation of 33.3 RPM and +/- 120° of movement from the vertical position. It features a rigid 3-piece coupling to lock the spindle in place for heavy turning and can be indexed in 15° increments. The integral spindle milling motor delivers 15 HP (30 HP Siemens), 97 lbs. per foot of torque and 12,000 RPM. A 40 station (80 optional) arm type tool changer is standard, and an optional 10 station lower turret provides turning capability to each spindle as well as pinch turning ability with the B-axis. The automatic tool changer is available in either HSK-63T or Sandvik Capto C-6 tooling systems.

The standard Fanuc 31iT-B provides two-path control for simultaneous turning operations as well as 4+1 milling ability. The optional 31iT-B5 or Siemens 840D enables 5-axis simultaneous milling.

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

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

#

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.