

IMTS 2018 NEWS - For Immediate Release

News From: Absolute Machine Tools, Inc.
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With Art: Nexturn SA-32PYII

**8-axis, 32mm Nexturn Swiss-Type Lathe with Exchangeable Guide Bushing in
Action at IMTS 2018 Booth S-338536**

[LORAIN, OH – JUNE 2018] The Nexturn [SA-32PYII Swiss lathe](#) is a 32mm machine that comes standard with an exchangeable rotary synchronous guide bushing and will be demonstrated at IMTS 2018 in Absolute Machine Tool's booth S-338536. This new model allows changeover from guide bushing to non-guide bushing depending on the application and material. Changing to non-guide bushing mode allows for the use of less expensive non-ground material and greatly reduces remnant length, saving material costs.

The lathe features up to 8 total axes (Z1, X1, Y1, Z2, X2, Y2, C1, C2) and up to 25 total tools. Machining capacity is 32mm on the main and sub-spindle, and 210mm (8") maximum turning length with guide bushing and 60mm (2.36") without the guide bushing. [Nexturn](#) Swiss machines use Fanuc controls.

The machine is built for rigidity, accuracy, reliability, and ease of use. The highly rigid one-piece cast iron machine bed is designed using FEM software. Powerful motors for both turning and milling deliver outstanding machining capability. The use of ultra-precision [pre-tensioned](#) ballscrews and LM guides produce high accuracy. High speed

positioning of 1260"/min reduces cycle times.

Spindles are the heart of the machine. The main spindle is a 10HP, 8000 RPM built-in motor spindle. The built-in motor provides outstanding acceleration/deceleration. The full C-axis on both main and sub spindles with .001-degree position and pneumatic disc brake clamping provide high rigidity for milling operation. The 5HP integral motor synchronous sub spindle allows simultaneous front and back working to be performed. Powerful live tools sporting 3HP and 6,000 RPM on the cross mill unit and 1.3HP and 5,000 RPM on the backend face tools, provide excellent drilling and milling ability. A wide range of milling, drilling, and tapping can be performed. ER-16 collets for the live tools provide excellent rigidity. Rigid tapping is standard.

The synchronous rotary guide bushing features a dual bearing structure with high accuracy. It has strong and accurate bearing support on both ends. The guide bushing is spline shaft driven. The machine can be changed in about 45 minutes to non-guide bushing for short parts, to reduce remnant length, and for use with non-ground bar stock.

Nexturn is the industry leader in Swiss type CNC lathes. Nexturn has many industry firsts, including the first to produce a 38mm [CNC Swiss machine](#). The use of top quality components combined with cutting edge technology produces a state-of-the-art machine with industry leading performance.

Nexturn Co., Ltd., is located in South Korea and has been providing quality machine

tools to Asia, Europe and the Americas for more than 15 years. Nexturn occupies a modern facility with a capacity of building 50 machines per month. Nexturn is listed on the KOSDAQ (Korean stock market) since 2006.

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.