

PMTS 2019 NEWS - For Immediate Release

News From: Absolute Machine Tools, Inc.
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With Art: Nexturn SA-20B Swiss Lathe

**Absolute Machine Tool Demonstrates 7-axis, 20mm Nexturn SA-20B CNC
Swiss-Type Lathe With CNC Indexing 12' Tracer 20 Hydrodynamic Magazine
Bar Feeder in Booth 3050 at PMTS 2019**

[LORAIN, OH – JANUARY 2019] Absolute Machine Tools will demonstrate the cost-efficient Nexturn SA-20B [CNC Swiss lathe](#) in booth 3050 at PMTS 2019. The SA-20B lathe has a rotary synchronous guide bushing that features up to 7 total axes (Z1, X1, Y, Z2, X2, C1, C2) and up to 22 total tools. Bar diameter capacity is 20mm on the main and sub-spindle, and maximum turning length is 8" (200mm). The SA-20B is available packaged with a CNC Indexing Tracer 20 magazine barfeeder, providing excellent overall value in a 20mm Swiss machine.

The main 5 hp, 8,000-rpm (10,000 opt.) spindle of the SA-20B has a built-in motor for excellent acceleration/deceleration. Full C-axes on both main and sub-spindles with 0.001° positioning and pneumatic disc brake clamping maximize rigidity for milling operations. The synchronous sub-spindle allows simultaneous front- and back-working processes. Live tools with 1.3 hp and 6,000 rpm on the cross-mill unit and 1 hp and 5,000 rpm on the back end face tools provide full drilling and milling ability. ER-16 collets for the live tools provide excellent rigidity, and rigid tapping is standard.

The CNC Indexing Tracer 20 bar feeder accepts bars from 3mm to 26mm (0.118" – 1.023") diameter and up to 3,600mm (12') long. Standard features include dual anti-vibration devices to minimize bar whip and permit high rpm turning, patented guide channel design with sound buffering effect to reduce noise, and a large magazine tray to allow for unmanned production.

The SA-20B lathe 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 ample machining capability. Ultra-precision pre-tensioned ball screws and LM guides produce high accuracy. High speed positioning of 1.260"/min (31,500mm/min) reduces cycle times.

The synchronous rotary guide bushing features a dual bearing structure with bearing support on both ends. The guide bushing is spline-shaft driven for precision machining of long parts. The machine can be ordered without the guide for short parts, reduced remnant length, and the ability to run cold drawn material.

[Nexturn](#) is an industry leader in Swiss-type CNC lathes. The company 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 machines use only top quality, brand-name components in the manufacture of their machines.

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 [PMTS booth #3050](#), 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 Gndrilling 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.