



For Immediate Release

News From: Absolute Machine Tools, Inc.
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With Art: AccuteX AP Series Ultra Performance Wire EDM

Absolute Machine Tools Offers the AccuteX AP Series Ultra Performance Wire EDM for Maximum Rigidity During High-Speed Cutting Operations

[LORAIN, OH – May 2022] The AccuteX AP Series Ultra Performance [Wire EDM](#), offered by Absolute Machine Tools, is comprised of a high-rigidity Meehanite cast honeycomb-type base designed using Finite Element Analysis to ensure high-rigidity during even the most high-speed operations. The machine's X-axis table and Y-axis column move independently, with the center of gravity lying between the two linear guideways of the X-axis table resulting in improved maximum loading weight up to 1,100 kg with a bi-directional repeatability of less than 2.5 µm after 5 times laser inspection. Also included is the precision workpiece-mounting table of hardened stainless steel designed as a standard clamping system for setting a range of workpieces quickly and accurately. The worktable can also accommodate any additional commercial clamping systems. This combined with 20 mm C1 Class U-V ball screws provide the high precision and maximum flushing pressures necessary for high-speed cutting. Additionally, the oversized U-V axis mechanism is placed in the cabinet above the working area for best operation.

The AP Series machines are equipped with an annealing, fully automatic wire threading system with scrap wire disposal unit with patent-pending intelligent servo-control wire threading

technology. Coupled with multi-detectors, it is an incredibly fast and reliable automatic wire threading system when threading at wire break point.

The AP-6040A+ wire EDM features the high-speed [AccuteX](#) Linear Shaft Motor as standard for faster servo response as compared to a conventional ball screw with no backlash or lost motion. Its small footprint contains the AccuteX Linear Shaft Motor combined with HIWIN linear guideways, 0.000004-inch Fagor glass scales. The Windows based 64-bit CPU is capable of interfacing with most CAD/CAM software systems.

“The AP Series wire EDM brings intelligent integration to the shop floor with its ability to collaborate with robots and other machines and interface with powerful CAD/CAM software programs,” said Nicole Conrad, Chief Marketing Officer, Absolute Machine Tools.

For more information on AP Series Ultra Performance Wire EDMs, visit

<https://absolutemachine.com/product/accutex-ap-series-ultra-performance-wire-edm/> or call 800-852-7825.

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About Absolute Machine Tools, Inc.

Absolute Machine Tools, Inc. sells and supports Mitsubishi Electric Automation Robots, Productive Robotics Cobots and Robots; Johnford Bridge & Gantry Mills; You Ji Vertical Turret Lathes; Seiki Mill/Drill/Tap Centers; 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; and Precihole Deep Hole Drilling and Hole Finishing 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. Absolute is an authorized FANUC America Corporation Systems Integrator and a Mitsubishi Electric Automation Diamond Partner. 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 and Livonia, Michigan. For more information, contact Absolute Machine Tools, Inc. at 800-852-7825 or www.absolutemachine.com.