

**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](mailto:lynn@gorcomm.com), 352-489-4788

*With Art:* SV-60H

**Introducing the Johnford SV-60H Vertical Machining Center – Large Load Handling for Heavy Cutting Applications**

[LORAIN, OH – December 2015] The New Johnford SV-60H [vertical machining center](#) is capable of handling heavy cutting applications due to a large work envelope, a two-speed gearbox spindle, and all box way construction. The SV-60H's C frame is constructed from heavily ribbed Meehanite FC-30 cast iron which is instrumental in eliminating vibration and ensuring smooth surface finishes and long cutting tool life. The three-axis machine features 60" in X, 28" in Y, and 25" in Z with four oversized box ways in Y to fully support the machine's saddle and work table resulting in accurate X-axis movement over the full travel range of the machine. All sliding surface areas and gibs are coated with Turcite-B and are hand-scraped for compatible fit and alignment. It is available standard in #50 taper with a #40 taper version option.

Thoughtful consideration of motor and gearbox placement ensures no offset and allows both to work with the hydraulic counterbalance system to guarantee smooth and steady movement of the head stock along the Z-axis, ensuring optimum rigidity, long-term accuracy and repeatability. Large-diameter pre-tensioned ballscrews feature a double-

nut preloaded design that eliminates the potential of thermal growth and promotes accurate high-speed positioning.

The SV-60H's 3.35" spindle shaft has seven bearings for stiffness and cutting stability. Class 7 steel bearings allow standard spindle speeds of up to 6,000 rpm. However, for applications requiring high torque at lower revolutions, a standard two-speed gearbox head provides full power at 375 rpm. On the opposite end, a 35 hp, 10,000 rpm direct drive spindle or a 56 hp, 15,000 rpm integral spindle with HSK-100A interface are available as options for applications where higher rpms are necessary.

The durable [machining center](#) is loaded with additional standard features including a [Fanuc](#) OiM-D control with Manual Guide I Conversational, full enclosure, chip conveyors, spindle chiller, and a high-speed automatic tool changer.

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#### **About Absolute Machine Tools, Inc.**

Absolute Machine Tools, Inc. sells and supports Nexturn Swiss-type lathes; Precihole [gun drilling machines](#); AccuteX EDM wire, sinker, and hole drilling machines; You Ji Vertical Turret Lathes; Johnford Sliding Double Column Machining Centers; and Tongtai Horizontal Machining Centers. The company has worked with several of its principal [machine tool](#) partners for 26 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.