

IMTS 2016 NEWS – For Immediate Release

News From: Absolute Machine Tools, Inc.
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With Art: Johnford AHC-1600 HMC

**Johnford AHC-1600 Moving Column Combination Table-Type HMC at
IMTS 2016 Booth S-8536**

[LORAIN, OH – JUNE 2016] Johnford's AHC-1600 will be on display at Absolute Machine Tools' booth S-8536 during IMTS 2016. This recently introduced [horizontal machining center](#) is suitable for a wide variety of applications in many industries, particularly aerospace. According to one of Absolute Machine Tool's customers, Tony Brandt of Brandt's Custom Machining (Mansfield, Ohio) the [Johnford](#) AHC-1600 is "every job shops' dream machine."

The rugged HMC features a combination 63" x 32" flat table with an 800mm full B-axis built-in rotary table. With standard accessories, this rigid 35 HP horizontal machining center weighs in at 44,000 lbs. of Meehanite cast iron. The machine design features a moving column for the Z-axis and a moving table for the X-axis only. This design, which is superior to a moving table / fixed column design, allows for maximum rigidity, better accuracy, and full support of the table over the complete X-axis travel. The moving column design eliminates the need for outriggers or outboard supportive ways to support high table loads. The X-axis is fully supported by the base with no table

overhang. The machine features precision-ground and induction-hardened box ways in X, Y, and Z axes. All mating surfaces are coated with Turcite-B and hand scraped for fit. Large (2.0") diameter, pre-tensioned ballscrews and powerful servomotors provide highly accurate positioning.

The standard 6000 RPM 50 taper spindle delivers robust performance throughout the RPM range. The 35HP main motor with two-speed gear drive ensures outstanding cutting performance at any spindle speed. The spindle and gearbox are oil-cooled for minimal thermal growth. Standard features includes a heavy-duty 40 tool arm type ATC that is stand-alone and separated from the machine for easy maintenance, a chip removal system consisting of 4 screw type conveyors (2 parallel with the Z-axis, 2 parallel with the X-axis), a high volume coolant system, full machine enclosure guarding to contain all chips and coolant, and a combination 63" x 32" flat table with a 32" (800mm) .001° full B-axis built-in rotary table. X-axis longitudinal travel is 63" (72", 79", 118" optional), Y-axis vertical travel is 50", and Z-axis column travel is 40" with a base weight of 44,000 pounds.

For more information, visit IMTS 2016 booth S-8536, call 800-852-7825, or visit

www.absolutemachine.com.

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