

For Immediate Release

News From: Absolute Machine Tools, Inc.

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With Art: Graphic from FANUC FIELD brochure

**Absolute Machine Tools and FANUC – Leveraging IIoT Big Data
to Boost Productivity, Assure Quality and Optimize Maintenance Processes
At IMTS 2018**

[LORAIN, OH – AUGUST 2018] At [IMTS 2018 \(Booth 338536\)](#), machine tool importer and distributor Absolute Machine Tools will leverage the power of the IIoT and big data by accessing and compiling a comprehensive range of real-time process feedback information from the controls of multiple CNC machine tools.

Absolute Machine Tools has been a [FANUC America Corporation Authorized Integrator](#) since 2013. As such, Absolute will collaborate with the machine control and factory automation leader to amass detailed machine tool data via the FANUC Intelligent Edge Link and Drive (FIELD) system, an open platform that can collect data from any device to drive analysis and inform decisions essential to the operation of the Smart Factory. The data collected can include but are not limited to machine condition, spindle rpm, feed rates, status of the programs and processes being executed, number and types of alarms, and downtime.

Absolute will demonstrate application of the FIELD system on three machines: Nexturn CNC [Swiss-style SA-20B and SA-32PII lathes](#) and a [Tongtai HS-22 compact box way lathe](#). A laptop computer at each of the three machines in the Absolute booth will display the FIELD System Open Platform as it is executed in the FANUC booth (338919) so potential users can visualize the system's implementation as it would appear in their own facilities.

Data from Absolute and numerous other vendors' machine tools and robots at IMTS will be routed through the McCormick Center VLAN via FOCAS2, OPC UA, or MTConnect communication protocols to the FIELD server in the FANUC booth where the data will be visible on FANUC's *IPMA* app.

Gathering data from all the machines in a cell can enable users to measure overall productivity by analyzing the output and utilization of the individual machines. The assembled data aid

implementation of maintenance programs and scheduling of downtime for repair and maintenance, and can facilitate cost-saving “lights out” production initiatives. Information on program irregularities and keystrokes may indicate where staff understanding and efficiency can benefit from attention. In addition, users can create custom applications on their own or with the help of FANUC America. The data are accessible through the FIELD system application on laptops, cell phones or other smart devices.

For more information, visit booth #338536 at IMTS 2018, browse www.absolutemachine.com, or call 800-852-7825.

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.