

For Immediate Release

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With Art: Image of e-SPINDLE

PCI SCEMM Introduces e-SPINDLE That Monitors Cutting Processes in Real Time to Optimize Tool Life and Workpiece Quality

[LORAIN, OH – October 2019] Absolute Machine Tools partner [PCI SCEMM](#) (a Tongtai company) recently introduced the e-SPINDLE at EMO 2019, a new electro-spindle that integrates sensors and actuators to monitor cutting processes and adjust parameters to optimize tool life and workpiece quality.

At the show, September 16-21, in Hannover, Germany, PCI presented three e-SPINDLE applications that showcased smart machining technology. One toolholder demonstration highlighted real-time monitoring of cutting process variables including force, vibration, and coolant pressure. An adaptive drilling application illustrated the benefits of ongoing vibration control. And a honing toolholder operation featured integrated measurement of workpiece diameter to permit continual control of abrasive honing tooling.

PCI developed e-SPINDLE technology in France in collaboration with the Technical Centre for Mechanical Industry (Cetim) and the Aix-en-Provence campus of the French Arts et Métiers engineering and research graduate school.

Absolute Machine Tools president Steve Ortner said, “e-SPINDLE technology from PCI is another way Absolute Machine Tools enables its customers to participate fully in smart manufacturing, the IIoT, and [Industry 4.0](#).”

For more information 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); PCI Horizontal Machining 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; 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; Livonia, Michigan; and Rockford, IL. For more information, contact Absolute Machine Tools, Inc. at 800-852-7825 or www.absolutemachine.com.