



NEWS

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Datron Releases an Automated, 5-Axis, High-Speed Machining Center for Small Part Manufacturing ... at EASTEC 2009.

May 19 – 21, 2009, EASTEC, West Springfield, MA – This year at EASTEC APEX, Datron Dynamics, Inc. will unveil an automated, 5-axis, high-speed machining center designed for small part manufacturing. According to Datron Dynamics Vice President, Robert Murphy, “The 5-axis M8 is the only machine in this price range that provides 5-axis capabilities for producing small parts requiring tight tolerance. Competitive machines either don’t have a 5-axis option or are very expensive.”

The M8 is a five-axis trunnion machining center that can access five sides of a part, and complete the part in a single set-up. According to Datron, the 5-axis M8 is ideal for producing medical components, aerospace parts and electro-mechanical parts. In conjunction with 5-axis capabilities, Datron also offers a robotic interface and a pick and place system for automated manufacturing. Murphy explains, “Customers who make use of the M8 with these options are generally at the forefront of their industry.”

The M8 high-speed machining center features a steel bridge reinforced with polymer concrete for superior stability and support for heavier spindles. Spindle options include a 2kW (2 ¾ hp), water-chilled 60,000 RPM spindle and a 3kW, 40,000 rpm, HSK-E 25 spindle. Automatic tool change options include up to 30-tool "station-style" rack with tool-length sensor for the 2kW spindle and a 10-tool changer for the 3kw spindle. A stabilized gantry, integrated pneumatically covered tool magazine, LCD flat-panel display, polycarbonate side windows and a removable chip cart on wheels are just a few extra features that distinguish the M8. The M8’s vibration-dampening concrete polymer machine table can be ordered with a 36” knock-out as a free option. The Microsoft® Windows®-based

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controller works with virtually any CAD/CAM software and offers Ethernet networking capability, as well as remote monitoring and control, allowing the machine to seamlessly integrate into any manufacturing environment.

Other available options include a Z-Correction Probe™ that measures surface irregularities and compensates for them dynamically, a 3D Probe Extension that enables Z-Correction Probe to function in 3D (X, Y & Z), a Renishaw TP20 Probe for complex part measurement, Vacuumate™ and Quick-Pallets™ workholding for quick setup and a Digital I/O that provides 8 outputs from the CNC control.

About Datron: Datron Dynamics is the North American distributor for DATRON AG, a German technology firm established in 1969 that has become a leader in the design and development of CNC machining and dispensing systems. Founded in 1996 by President, William King, Datron Dynamics is differentiated in the marketplace by its focus on high-speed machining with micro-tooling. Datron machines feature 40,000-60,000 RPM spindles that produce low force, feed rates of up to 1000"/minute and superior quality when using tooling 0.50" and under. An Ethanol-Mist Coolant System™ provides superb surface finishes and eliminates secondary processes like de-burring and de-greasing. Other features such as the Z-Correction Probe™, Automatic Tool Management System™ and their proprietary Quick-Pallets™ and Vacuumate™ workholding systems enable batch machining and "lights-out" production. These distinctions have resulted in thousands of installations worldwide within industries requiring superior production of EDM electrodes, embossing dies, 3D mold making, rapid prototyping, 3D precision engraving, front panels and the production of automotive and aerospace parts.

For more information on Datron, contact Robert Murphy at Datron Dynamics, Inc., 115 Emerson Road, Milford, NH 03055, 888-262-2833 or visit www.datron.com.