



NEWS

FOR IMMEDIATE RELEASE:

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DATRON DYNAMICS INTRODUCES THE OMNIRAPTOR™: A CNC ROUTER DESIGNED FOR PRECISION AND ACCURACY IN HIGH-SPEED MACHINING WITH MICRO TOOLS

Milford, NH, March 1, 2005 – The OmniRaptor™ is the latest CNC router to be added to Datron's Raptor Class of machining centers. With absolute accuracy of 0.0001 and relative accuracy of 0.0005, The OmniRaptor™ is designed to meet the stringent demands of a dynamic manufacturing environment. Feed rates of up to 800 i.p.m. produce optimized cycle times making this machine ideal for high-volume production schedules. A steel bridge reinforced with polymer concrete provides superior stability and support for heavier spindles. The 2kwatt (2 ¾ hp), water-chilled 60,000 RPM spindle has the torque to handle the most challenging workpieces, multiple shift production or high material removal. The 5/6" diameter collet and heavy-duty design can handle large or continuous workloads and optimize cycle times. A standard 15-tool "station-style" rack with tool-length sensor can be upgraded to an optional 30-tool station for added capacity. Faster feed rates, 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 OmniRaptor from our other models.

The OmniRaptor's vibration-dampening concrete polymer machine table equipped with a built-in 15-tool, Automatic Tool Management System™ can be ordered with a 36" knock-out as a free option. The OnmiRaptor's 60,000 RPM

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spindle produces low force and superior quality when tooling 0.250" and under. An integrated Ethanol-Mist Coolant System™ provides for superb surface finishes and eliminates secondary processes like de-burring or de-greasing to further improve cycle times. Datron's Microsoft® Windows®-based 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.

The OmniRaptor can be set up to accommodate Datron's proprietary Quick-Pallets workholding technology which provides manufacturers with reduced job setup and job changeover times. This lightweight, manual pallet changer facilitates batch machining and "lights-out" production rather than single-part production. To insure X,Y,Z location repeatability, the pallets are registered using a beveled-boss in cavity system. When placing the pallet on the machine bed, it will be located in exactly the same spot every time. A standard feature, vacuum pump holds the pallet in place during machining operations. Changing a pallet requires no tooling or clamping, reducing setup time from an average of 30 minutes to 30 seconds – making the OmniRaptor ideal for frequent or interrupted job changes.

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, 4th & 5th Rotary Axes (servo-controlled rotary axes), Windows Control (offline version) control software that enables programming & program testing from remote PC, Vacumate™ 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 Electronic, 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, Walter Schnecker, Ph.D. and Vice President, William King, Datron Dynamics is differentiated in the marketplace by its focus on high-speed machining with micro-tooling. Datron machines feature 60,000 RPM spindles that produce low force, feed rates of up to 1000"/minute and superior quality when

tooling 0.250" and under. An Ethanol-Mist Coolant System™ provides superb surface finishes and eliminates secondary processes like de-burring and de-greasing while being environmentally friendly. Other features such as the Z-Correction Probe™, Automatic Tool Management System™ and their proprietary Quick-Pallets™ and Vacumate™ workholding systems enable batch machining and "lights-out" production. These distinctions have resulted in over 1,000 installations worldwide within industries requiring superior production of EDM electrodes, hot stamping and 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's EcoRaptor, contact Robert Murphy at Datron Dynamics, Inc., 115 Emerson Road, Milford, NH 03055, 888-262-2833, www.DatronDynamics.com. E-Mail: info@datrondynamics.com.