



## NEWS

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### **DATRON DYNAMICS INTRODUCES THE ECORAPTOR™: A CNC ROUTER DESIGNED FOR EFFICIENCY AND AFFORDABILTY IN HIGH-SPEED MACHINING WITH MICRO TOOLS**

Milford, NH, March 1, 2005 – The EcoRaptor™ is the latest CNC router to be added to Datron's Raptor Class of machining centers. A step up in size from their miniRaptor™, the EcoRaptor's 40" x 27.5" x 9.5" working envelope is ideal for nested (batch) machining or low quantity production runs of panels, extrusions, electromechanical parts and aerospace profiles.

At a list price of \$64,800, the EcoRaptor includes standard features like a 600W, 60,000 RPM spindle (with ¼" collet), 10-Tool Automatic Tool Management (20-Tool optional), Micro-Mist Coolant System, full protective enclosure with door safety interlock, chip disposal tray, Microsoft Windows and Microsoft Windows-based control software, 850 MHz Pentium PC, 15" CRT monitor, Cherry Keyboard, hand-held controller, 250 MB RAM, 40 GB part/program storage, Ethernet networking capability, remote monitoring capability, CD-ROM drive, USB port and 3.5" drive.

The EcoRaptor's vibration-dampening concrete polymer machine table equipped with a built-in 10-tool, Automatic Tool Management System™ can be ordered with a 36" knock-out as a free option. The EcoRaptor's 60,000 RPM 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

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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 EcoRaptor 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 EcoRaptor ideal for frequent or interrupted job changes.

Another time-saving option is an integrated Z-Correction Probe recognizes irregular work-piece topography and compensates for it dynamically. It does this by taking measurements along the surface of a blank and feeding that data into the machining controller. The controller automatically adjusts for uneven surfaces or work piece position.

**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 Schneckner, 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. 454 Route 13, Milford, NH 03055, 888-262-2833, [www.DatronDynamics.com](http://www.DatronDynamics.com). E-Mail: [info@datrondynamics.com](mailto:info@datrondynamics.com).