



NEWS

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DATRON DYNAMICS INTRODUCES THE VELOCIRAPTOR™: A FAST, VERSATILE CNC MACHINE WITH BUILT-IN WORKHOLDING CAPABILITES

EASTECH, Booth #3347 (Young Building), Springfield, MA, May 20-22, 2004 – Datron Dynamics, Inc. is introducing at this year's EASTEC show its newest CNC machine, the VelociRaptor™, which features a 60,000 RPM spindle, feed rates of up to 1000"/minute and a proprietary, modular workholding solution called Quick-Pallets™ as an integrated and standard feature.

With a working envelope of 40" x 30" x 6" the VelociRaptor provides ample room for fixturing and job setup while requiring only 70" x 60" of floor space. The vibration-dampening concrete polymer machine table is equipped with a built-in 30-tool, Automatic Tool Management System™ that is protected from chips and debris. A 36" knock-out can be included as a free option. The VelociRaptor's 60,000 RPM spindle produces low force and superior quality when machining with ¼" tools or smaller. 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 VelociRaptor is the first Datron machine to include the proprietary Quick-Pallets workholding technology as a built-in and standard feature that provides manufacturers with reduced job setup and job changeover times. A

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lightweight, manual pallet changer facilitates batch machining and “lights-out” production rather than single-part production. To insure X,Y,Z location repeatability, the VelociRaptor’s 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 VelociRaptor ideal for frequent or interrupted job changes.

Options include various spindles up to 4.5kw and up to 60,000 RPM, 4th and 5th axes, a pick and place system, several 3D probing options, integrated edge-finding capabilities and C-height surface mapping.

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 VelociRaptor, contact Robert Murphy at Datron Dynamics, Inc. 454 Route 13, Milford, NH 03055, 888-262-2833, www.DatronDynamics.com. E-Mail: info@datrondynamics.com.