

**RPM****REPORTING** □ **PROBING** □ **MONITORING**  
□ trends in the machining industry □

RPM is a monthly, one-page, PDF newsletter published by DATRON Dynamics, Inc. to cover trends in the high-speed micro-tooling industry.



## Time's Running Out.

2004 Government Tax Incentives that is. Perhaps the biggest tax incentive that's available to you is your ability to elect to immediately expense (deduct in the current year) the cost of certain equipment you purchase for use in your business. In other words, rather than having to recover the cost for tax purposes over several years via depreciation deductions, you can recover all or a portion of the cost on your return for the year that you start using the equipment in your business. In general, you can expense up to \$102,000 in equipment costs for purchases in 2004. Order a Datron now!

What Can You Get for Less Than \$100,000? A miniRaptor for \$46,800, an Aluminator for \$64,800 or a Raptor with a 2kW spindle, 15-tool changer, computer & control software, chip cart and a 1 year warranty for \$84,800.



## Hot Off the Press.

Datron's tutorial package, *Datron For Dummies*, is now available for the Windows® version of our control software. This step-by-step guide walks you through the software — teaching protocol for new job setup, executing programs, the machine coordinate system, creating sub macros, tool database setup and basic machining practices for a Datron CNC. The kit comes with the manual, PVC mounting fixture, 4 aluminum plates, 4 tools and mounting hardware for \$495.

**DATRON** Dynamics is a distributor for DATRON Electronics Makers of the awe-inspiring 60,000 RPM CNC Machine Centers  
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## The miniRAPTOR™ for only \$46,800!

We have just introduced a compact version of our high-end Raptor Class machining centers utilizing the same technology, but minimizing size in order to offer entry-level pricing. While a 51" x 51" footprint makes the miniRaptor™ Datron's most compact machine, it still features a 20" x 20" x 8" working envelope with ample room for fixturing and batch-machining of small parts. The smaller bed size has facilitated the use of a solid slab of granite for the machining table that provides manufacturers with increased rigidity to minimize vibration.

The miniRaptor leverages the unique features of the Raptor Class and makes them available at an affordable price to provide smaller manufacturers an entry to high-speed, micro-machining. A no-haggle, Datron-direct, package price offers standard features including a 60,000 RPM spindle with a 0.125" collet, a 3-Tool Automatic Tool Management System™, Microsoft® Windows®-based control software, a PC with 256 MB RAM and 40 GB part/program storage, CD-ROM drive, 3.5" drive, USB port, 15" monitor, keyboard, hand-held controller, Ethernet networking capability, remote monitoring capability, a removable chip disposal tray and a full machining-area enclosure with an industrial-grade door safety interlock system.

This comprehensive package of standard features can be augmented or added to with a number of available options including a 600W, 60,000 RPM spindle with 0.250" collet, a 10-Tool Automatic Tool Management System™, a flat screen LED monitor, a Z-Correction Probe™ that recognizes irregular work piece topology and a 3D probe extension that locates and compensates for material irregularities in X, Y, and Z coordinates and facilitates reverse engineering.

The miniRaptor's 60,000 RPM spindle produces low force and superior quality when tooling 0.125" 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. So, at Datron, obviously, entry-level doesn't mean bare bones or wimpy!

**NEW!**