



The Laser Show.

In the world of micro-machining the requirement for tight tolerance is common. This is particularly the case within industries like medical and aerospace where accuracy can mean the difference between life and death. That's why Datron has made laser calibration an option on all new machines. Laser calibration is used to correct linear positioning errors through bi-directional error compensation on each axis. A seamless, automatic adjustment quickly sharpens the machine's accuracy to 10 microns. And while it's not the light show at a Floyd concert, it's still pretty neat man!

Another Tip: Warming up the spindle each morning prior to production will extend the life of the bearings. If possible, run your spindle at a low RPM for 5-10 minutes prior to the workday.



Time 2 Tune & Lube?

Every six months or so we like to remind our customers that regular maintenance and lubrication of their machine will perpetuate accuracy and reliability. Datron CNC machining centers have ways and ball screws that should be lubricated at least every 4-5 months with Teflon grease. Teflon grease is available from Datron for \$35.00 per 500ml tub (which should last about 3 years). Also, ask about our 300ml aerosol and 150ml tube.



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IMTS Booth #B-6038 (Sept. 8th - 15th)

See What's New From Datron at IMTS — September 8 - 15.



In terms of product innovation, 2004 has been a banner year for Datron. 1) The **VelociRaptor™** shown above will be featured at IMTS in September. This versatile machine is the best of all worlds. A 60,000 RPM spindle, feed rates of up to 1000"/minute and Datron's modular workholding solution, Quick-Pallets™, are all standard and integrated features. 2) Almost simultaneously, the company will launch the **MaxiMiser™ High-Speed Router**. Its enormous machining area of 60" x 98" x 7" accommodates large workpieces like sheet material and makes the MaxiMiser a logical choice for batch-machining and "lights-out" production. And it still offers the speed and precision that have made Datron the leader in high-speed, micro-machining. 3) As if this weren't enough, we'll finish out the year by launching a high-value, **entry-level machine** that brings customers from 0 - 60,000 RPM for under \$60k*. It includes a 25" x 25" x 9" machining area, Microsoft Windows®-based controller, a full enclosure, solid granite table, Tool Length Sensor, PC, screen and keyboard — all as standard features. That's right ... with Datron, "entry-level" doesn't have to mean wimpy.

*Preliminary pricing based on prototype, subject to change.