



Cool Customer!

Once upon a time, we at Datron thought WE were cool because our machines are used to make macho products like knives and lighters. And then came Eck Plastic Arts who have simply redefined "cool". They use a Datron Aluminator™ to make specialty parts for Orange County Choppers that can be seen on American Chopper on the Discovery Channel each Monday at 10pm ET/PT. Specialty parts made by Eck Plastic Arts include carburetor covers and mirrors used on the Liberty Bike and the Discovery (20th Anniversary) Bike. Now that's #@%! 'n cool!

About Eck Plastic Arts: With a 40,000 square foot facility in Binghamton, NY, Eck Plastic Arts has specialized in precision machining and fabrication of plastic and metal for over 20 years. Visit them online at www.eckplastics.com.



SpindleAid Program.

With the knowledge that the time required for spindle repair impacts both the production and throughput of our customers, Datron has developed a spindle exchange program where replacement spindles are delivered, in most cases, within 24 hours. In order to receive a replacement spindle, you must complete and fax back an authorization form and return your damaged spindle within 5 working days. Please feel free to contact our Tooling Manager at 603.672.8890 with any questions.

DATRON Dynamics is a distributor for DATRON Electronics Makers of the awe-inspiring 60,000 RPM CNC Machine Centers 454 Route 13 • Milford, New Hampshire 03055 • USA t 888.262.2833 • f 603.672.8067 • www.datrondynamics.com © 2003. All rights reserved.

Be sure to visit the Datron Dynamics Booth #3347 in the Young Building at the EASTEC Show, May 25-27.

All Wound Up.

In the process of comparing one CNC machine to another, some manufacturers get **all wound up** about the "chip-to-chip" time — or the time it takes each machine to change tools between two phases of a project. But, if it's speed you're looking for, there's much more to consider. Take for example a triathlon where, oh let's say, opera singer, Luciano Pavarotti was competing against Olympic gold medalist, Bruce Jenner. Well, Pavarotti could be a real "mean-machine" when it comes to getting out of the water and onto the bike ... but who do you think is gonna win? Of course, Bruce Jenner will school the big man ... because he'll complete each phase of the race so much faster. Well, things aren't much different in the world of high speed machining with microtooling. When using small tools 0.250" or under, Datron machines with high-speed spindles fly through each phase of the project much quicker than conventional CNC machines with spindles designed to run larger tools. And while the Datron may lose a few seconds during the tool change — because its spindle is **all wound up** to 60,000 RPM and takes a few more seconds to wind down and make the change — it will still win the race ... time and again. Now that we've clarified that, please take a moment to clear your mind of the image of Pavarotti in a bathing suit.

Clean Up Your Act.

While Datron's 2KW high-frequency spindles are among the most reliable on the market, they do have intricate working parts that require occasional attention. Due to the fact that these spindles are water-cooled, sediments can collect inside the tank of the cooling unit compressor. So, we recommend cleaning the tank every six months as follows:

1. Empty the tank completely
2. Always install a new filter before beginning the cleaning process!
3. Connect flow and reflux
4. Fill the unit with water/vinegar (5% dilution) solution
5. Allow solution to circulate for two hours (at 60°/140°F).
6. Flush cooling unit completely
7. Remove pipe from the reflux, empty tank completely and clean filter
8. Depending on amount of sediment, you may repeat 2 - 3 times
9. Flush cooling unit with distilled water
10. Fill cooling unit with distilled water

Note: Be sure to use ONLY distilled water.