



Tool School.

When machining abrasive materials such as printed circuit boards, G10 or any glass fiber material, it's best to use micrograin carbide tools that have a fishtail ground bottom with micro-teeth edges and an upcut spiral design. These tools offer clean, smooth edges at high feed rates with superior tool life. We recommend using an RPM range of 30,000 to 50,000 depending on the cutting diameter, just air for coolant and preferably dust extraction — an option available on most Datron models.



Datron has a special line of tools for applications like machining printed circuit boards, G10 or glass fiber material. Tool diameter sizes range from .6mm to 6mm and prices start at \$13 each. To order, call 888.262.2833.



Tool Database.

With Datron's Windows[®]-based Control, data for all of the tools in our optional, 10-, 20- or 40-tool change system can be stored in the controller's tool database. To edit a tool, the user simply double-clicks on a tool line item and the dialogue box showing the parameters for that tool appears. The user can monitor the amount of time a tool has been used and estimate tool wear. Feel free to ask for a demonstration of any controller feature at **IMTS Booth #B-6038 (Sept. 5th - 15th).**

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
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IntelliCAM Wins Big With Datron.

The meteoric rise of IntelliCAM Custom Products in Greenville, Wisconsin could be attributed to entrepreneurial prowess, a bit of blind faith in Datron CNC equipment ... or a combination of both. In 1993, Trevor Welson launched his own venture with a single engraving machine and 150 square feet of shop space where he produced identification tags for machinery. In 1999, it was Welson's pivotal decision to procure a Datron CNC machine that ignited a growth spurt that continues even today. ***"It was a big leap, a big gamble for me, but within six months, we were running it eight hours a day,"*** Welson said.

It wasn't just the capital expenditure that seemed like a gamble. Welson also had to grapple with the risk of becoming only the third US customer to own a Datron. In the end, he was convinced by the quality of the product and a 30-year track record of success that had made Datron a mainstay of European manufacturing. But, Welson's "gamble" quickly paid off and soon he added another Datron machine that delivered a one-two punch to the company's bottom line.

"After purchasing the Datron machines, our productivity increased by 60% and jobs that used to take a week to complete were finished in two days! Most importantly, the Datron has been pivotal in allowing us to expand the scope of the jobs we pursue."

Indeed, it was just months later in 1999 that IntelliCAM became one of just two companies identified in a national search to compete for a chunk of a \$45 million Fox Cities Performing Arts Center (PAC) project. Even Welson's competitors knew why IntelliCAM was eventually selected. ***"He has state-of-the-art equipment and is able to make very high-precision parts more efficiently than we can,"*** said Dan Aritt, President of an industrial manufacturing company based in Minnesota.

In all, IntelliCAM had just two months to complete the project that included 29 engraved zinc panels for the building's exterior signage, the "Founder's Wall," a 16-by-8-foot zinc panel, small donor plaques and nearly 400 way-finding signs that appear throughout the structure. To get the job done, Welson went to two eight-hour shifts to keep the two CNC routers busy for a combined 32 hours a day.

Today, IntelliCAM occupies an 8,000 square foot building, runs three Datron machines and has reached beyond the local market to establish themselves as a solid source for identification products on a national level. See IntelliCAM's offering at www.intellicam.net.