

Your entrée to Raptor® Class High-Speed machining.

The EZ Raptor® is our entry-level Raptor® that provides the basics of high-speed machining at a price that suits even the smaller shops. This machine comes standard with a 1.2kW 30,000 RPM spindle and a 3-tool, "station-style" automatic tool changer (ATC) with tool-length sensor. The EZ Raptor's large work area of 40" x 27.5" x 9.5" provides something that most other entry-level machines don't — namely the ability to go from prototype to batch production on the same machine. Datron's revolutionary polymer-concrete bed offers extreme stability and durability. As with other Raptor Class machines, there are a plethora of available options such as 3D probing, 4th and 5th axes and integrated workholding ... so who says entry-level has to be bare bones? This system is ideal for any manufacturer who wants an elite Datron Raptor® Class high-speed machining center but is restricted by budget.



Large work area for added flexibility:

The EZ Raptor's 40" x 27.5" x 9.5" work area accommodates a variety of integrated workholding options like the VacuMate vacume table shown above. Also, a "cut-away" option (shown on the right) allows for the vertical mounting of parts — a technique normally restricted by a gantry-style machine.

Standard Equipment:

- X Steel construction w/ polymer-concrete bed
- X Integrated safety enclosure with lock-out
- X Hand-held remote, 15" CRT monitor
- X Windows®-based controller software
- X Feeds up to 400"/min.

Available Options:

- X Knock-out for vertical clamping
- X 3D & Z-Correction Probe™ (shown above)
- X 4th & 5th rotary axes
- X Vacuum setup for Quick-Pallets™
- X High-speed micro tooling



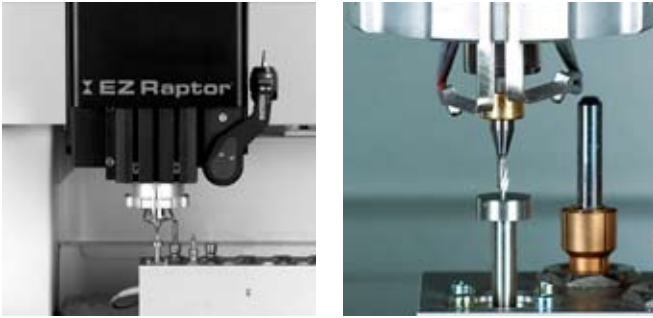
Next generation high-efficiency machining center:

- X Add the elite Raptor® Class to your lineup
- X Add work area for superior flexibility
- X Add high speed micro machining
- X Add agility and efficiency to your operation
- X Add up your profits ...Revolutionize your business!

Add the Raptor Class & watch the doors open!

Call toll free 888.262.2833

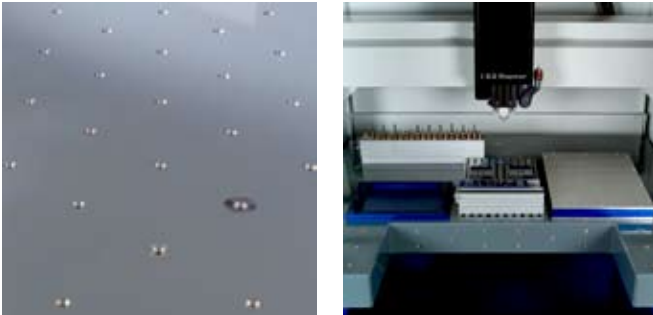
X EZ Raptor®



Fully automated tool management system:

The Datron Automatic Tool Changer (ATC) is comprised of a tool checker, tool software/database and a tool changer. The tool checker is a mechanical sensor that measures tool length. The software is a macro program that can be set up to run a tool check after executing a number of lines of code. For instance, "Measure this tool; if the length is shorter than the listed parameter, then change the tool."

These elements offer the convenience of automatic tool changes, tool length measurement and tools specs for each individual tool. Tool breakage can be detected immediately, preventing avoidable damage to a machine's parts. The automatic tool-length measurement can be controlled manually or by software. Tool data (e.g.: diameter, length etc.) is stored within the tool database. This allows the tool data to be automatically activated and applied when the tool is in the spindle.

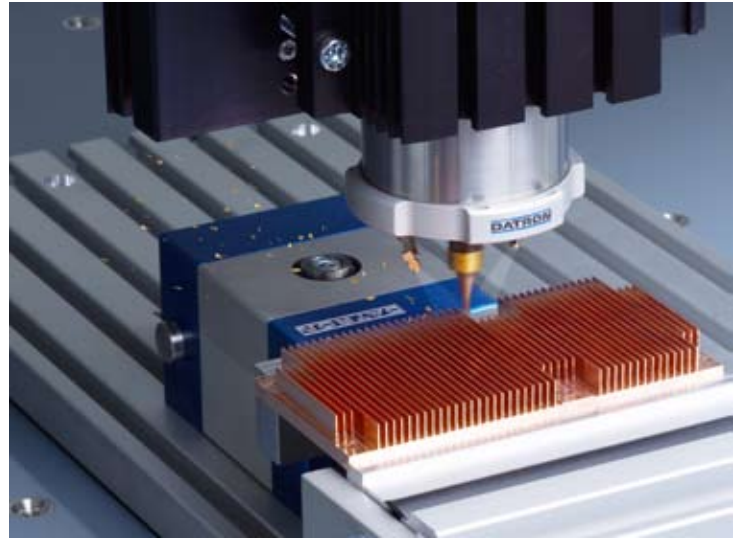


A comprehensive suite of workholding solutions:

A range of integrated workholding solutions are available for the EZ Raptor®. The pneumatic clamping system allows for a quick setup that holds blanks securely. With our Vacuumate™ (vacuum table) even parts with minimal surface area can be batch-milled from thin substrates and held in place during machining. Datron's lightweight Quick-Pallets™ use a beveled boss-in-cavity system to register parts in X, Y & Z for improved repeatability on jobs with frequent change-over.

The optional Quick-Clamp System.

This proprietary workholding technology from Datron features pneumatic, shortstroke clamps that minimize setup time for redundant processes. The user-friendly, one-button operation allows the user to open and close the clamp with one hand while the free hand sets the workpiece. Plus, your investment is protected by "sacrificial jaws" that can be removed and replaced when they get worn or marred over time. Having workholding built into the machining system provides for optimal cost savings and the utmost flexibility.



Tech Specs	X EZ Raptor®
Coordinate Table	Cast polymer-concrete with mounting threads, fixed bridge design with precision linear guides
Machining Area (X x Y x Z)	40" x 27.5" x 9.5"
Portal Height	7.5"
Drive System	Digital servo drives, precision ball screw
CAD Interface	ISO G-Code (standard for NC machining code)
Control System	Microsoft Windows®-based control (open PC), 3-axis decentralized high-speed
Coolant System	Minimal quantity lubrication, electronically adjustable dispensing, Ethanol coolant
Machining Spindle	1.2kW high-frequency spindle, 7,000 - 30,000 rpm 1/4" collet, hybrid ceramic bearings
Tool Changer	3-tool changing unit with tool length sensor
Accuracy	Resolution: ±0.00016" Absolute: ±0.002" / Relative: ±0.001"
Feed Rate	400" per minute
Footprint	69" x 57" x 77" (W x D x H)
Weight	1,760 lbs.
Power Requirement	208/220V, 7Amps (single phase)