

## NEWS

FOR IMMEDIATE RELEASE:

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### **New Quick-Pallets™ Modular, Universal Workholding System is 60 Times Faster, Dramatically Reducing Setup Time.**

FOR IMMEDIATE RELEASE (October 31, 2003, Milford, NH) – Datron Dynamics, Inc. has introduced a unique new workholding product called Quick-Pallets. The affordable, modular system uses a vacuum to hold special templated plates or pallets, allowing fast and easy part setups and changeovers.

The Quick-Pallets are simply placed on a machining bed, keyed to a fixed position and secured via vacuum. Changing a pallet requires no tooling or clamping, reducing setup time from an average of 30 minutes to 30 seconds – making them ideal for frequent or interrupted job changes.

Changing a pallet merely involves removing it, sweeping the surface, and installing another one. The whole process takes only about 15 seconds. To reduce workholding setup time even further, parts can be setup on Quick-Pallets outside of the machine and switched out in a matter of seconds with the Quick-Pallet in the machine. This can reduce cycle-times and boost the machine's spindle uptime. If machine set-up normally takes 30 minutes and Quick-Pallets reduces it to 30 seconds, machinists have a system that is 60 times faster.

When placing the Quick-Pallet on a machine bed, it will be located exactly in the same spot every time. To insure X,Y,Z location repeatability, Quick-Pallets are registered using a beveled-boss in cavity system. A small vacuum pump is required to hold the Quick-Pallet in place during machining operations.

Quick-Pallets are lightweight, facilitating manual operation and come in different sizes and configurations. "Whether you need a workholding vise, or a custom tray configuration for rapid pallet changes, this one-of-a-kind system is a versatile solution for speed, convenience and accuracy in workholding" said Datron President Dr. Walter Schneckner.

Quick-Pallet configurations include: T-nut with pneumatic short-stroke clamps, Vacuumate vacuum-table setup for machining flat stock, machine vise module for higher holding force, retro-fit kits for existing machinery and an empty pallet. The empty pallet, ideal for custom fixturing, consists of a ½" aluminum plate that can be easily machined and adapted for virtually any workholding challenge.

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Quick Pallets are also furnished with Datron Dynamics High-Speed CNC Micro-Machining Centers with the vacuum pump pre-installed, such as with the New M35 Aluminator and The M8 Raptor Models.

**About Datron:** Datron Dynamics is the North American distributor for Datron Electronic, a German technology firm established in 1969 that has become a leader in the design and development of CNC machining and dispensing systems. Founded in 1996 by President, Walter Schnecker, PhD. and Vice President, William King, Datron Dynamics is differentiated in the marketplace by its focus on high-speed machining with micro-tooling in aluminum, plastics, and non-ferrous metals. Datron machines feature 60,000 RPM spindles that produce low force, feed rates of up to 1000"/minute and superior quality when tooling 0.250" and under. An integrated spray-mist ethanol alcohol coolant system provides for superb surface finishes, eliminates secondary processes like de-burring or de-greasing, saves production time, and helps to protect the environment. Other features like a Z-Correction Probe™ that locates parts and material irregularities in the X, Y, and Z co-ordinates, an automatic tool checker/changer, as well as Quick-Pallets™ and Vacumate™ workholding systems enable "lights-out" production and justify the company's tagline, "*Smart CNC Machines*". Additionally, these distinctions have resulted in over 1,000 installations worldwide within industries requiring superior production of EDM electrodes, hot stamping and embossing dies, 3D mold making, rapid prototyping, 3D precision engraving, front panels and the production of automotive and aerospace parts.

For more information on Datron's Quick-Pallets, contact Robert Murphy at Datron Dynamics, Inc. 454 Route 13, Milford, NH 03055, 888-262-2833, [www.DatronDynamics.com](http://www.DatronDynamics.com). E-Mail: [info@datrondynamics.com](mailto:info@datrondynamics.com).

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