

DATRON

DATRON offers turn-key solutions for manufacturing and automation. We are differentiated in the marketplace by our vanguard technology and superior application support that yields efficiency and productivity for our customers.

DATRON systems are true "problem solvers" That's because each machine is built according to the customers unique manufacturing challenge and application needs. this configure-to-order methodology provides very real solutions that have a significant impact on the customers bottom line through efficiency, automation and optimized production. All of this is supported by the industry's most responsive and comprehensive service program.



For additional information contact us at:
603.672.8890



or by E-Mail:
info@datron.com



Visit us Online:
www.datron.com

DATRON Milling Machines for the LED Industry

Precision, high-quality milling of aluminum, plastics and PCBs.
DATRON milling machines deliver maximum versatility in prototyping
and the greatest efficiency in volume production and batch machining.

The information in this brochure includes current descriptions or performance features which are subject to change due to further development of the products. The descriptions and performance features are binding only if they are expressly agreed upon in writing at the time of contract.

DATRON Dynamics, Inc.
115 Emerson Road
Milford, NH 03055

Tel.: 603.672.8890
Fax: 603.672.8067
www.datron.com

Application Examples for the LED Industry

DATRON offers high-speed milling and engraving machines ideally suited to the manufacturing of electro-mechanical parts and the production of modern High-Tech lights.

Acrylic glass processing
For front panels and reflectors. Milling of perfect surfaces.

LED lamps (lights)
With copper and aluminum support, precise milling even with ceramic coating.

Machining of housings
Multi-sided machining of aluminum profiles, i.e.:
- milling of threads
- milling of reflectors
- drilling holes
all burr-free!

Cooling elements
Processing of complex cooling elements with small tools and minimum lubrication system.

Aluminum sheets
Batch machining of the aluminum covers and engraving of perfect logos.

DATRON Milling Machines for the LED Industry

Precision, high-quality milling of aluminum, plastics and PCBs. DATRON milling machines deliver maximum versatility in prototyping and the greatest efficiency in volume production and batch machining.

For Prototyping and Low Volumes

For High-volume Production Runs



M7



M10pro

Traverse Path (X x Y);	1.020 mm x 700 mm	1.020 mm x 830 mm
Machining Spindle:	1.2 kW High-frequency Spindle up to 30,000 RPM	3.0 kW High-frequency Spindle up to 40,000 RPM
Control System	Fast digital servo control system with Microsoft® Windows®-based Control Software	Windows-based interface to industrial-strength control with powerful processing. Repeatability ± 2.5 micron
Feed Rate & Positioning	X = 14 m/min; Y = 14 m/min; Z = 8 m/min	+/- 5 micron position accuracy, rapids up to 30 m/min.

Innovative Manufacturing Technology - for Your Success!

Productive



XYZ measuring systems integrated: Measuring functions and easy-to-use material/tolerance compensation (optional).



Up to 60,000 RPM
High milling performance with small tools. Dynamic high-speed control system.



Automation, workholding, tools and software. DATRON custom, turn-key solutions. **Put us to the test!**

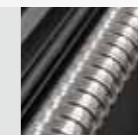
Precise



Precision high-frequency spindle for maximum speed and quality.



Massive, temperature-stable **Granite and Concrete Polymer Tables** with high rigidity for accuracy and quality machining.



Precision ballscrews and linear guides from leading suppliers.

Economical



Saves space:
Extremely large work area with a comparatively small footprint.



Saves resources:
Micro-volume, spray-mist coolant system for reduced consumption and disposal.



Saves money:
Affordable purchase and extremely low-cost operation.

For more information visit www.datron.com