

**DATRON**



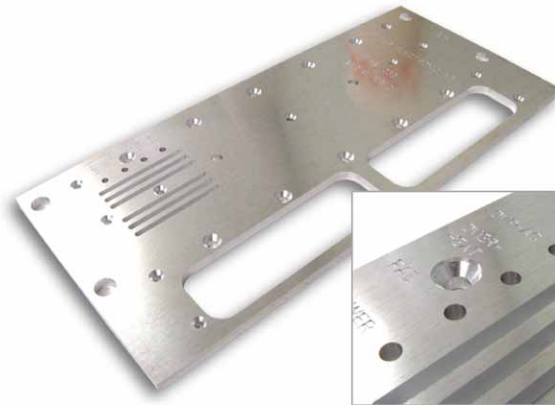
## Universal Milling Machine for electronics part manufacturing Versatility. Efficiency. Control.

DATRON CNC is Ideal for:

- Front Panels
- Enclosures & Housings
- Heat Sinks
- Electromechanical Parts
- PCB Depaneling
- PCB Trace Cutting & Rework
- Test Fixtures & Solder Pallets
- Frames & Stencils
- Connectors & Sockets



## Panels



### Aluminum, Plastics, Stainless ...

- Electronic Panels & Control Panels
- Automation for lights-out operation
- Pneumatic Clamps — one-button operation
- Vacuum Workholding = Quick Setup!
- Large work area ... small footprint
- Batch Production Runs
- Drill & Threadmill
- Dials & Scales
- Frontpanels



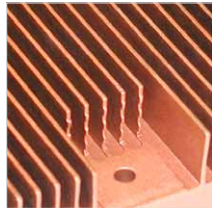
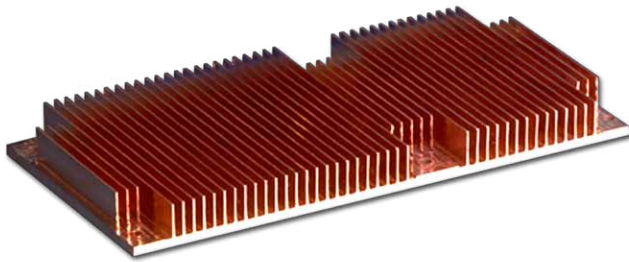
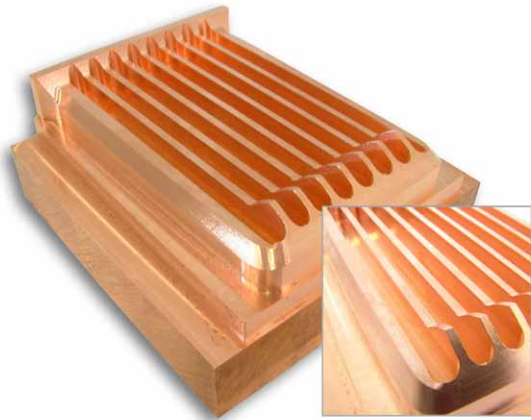
## Enclosures & Housings



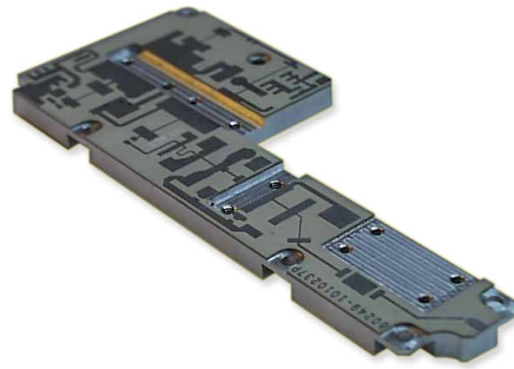
### Versatility & superior quality

- Machined aluminum & molded housings
- Burr-free machining
- Drilling, thread milling, countersinks
- Aluminum, ABS & Glass-filled Composites
- Vertical mount at front for large housings
- Large bed for batch production runs
- Specialized micro-grain carbide tools
- Windows®-based Control with Ethernet

## Heat Sinks



## PCB, Solder Pallets, Fixtures



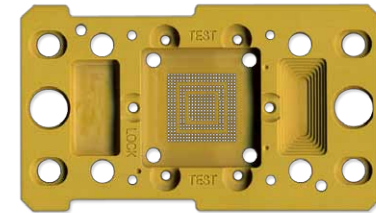
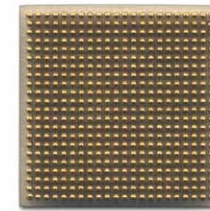
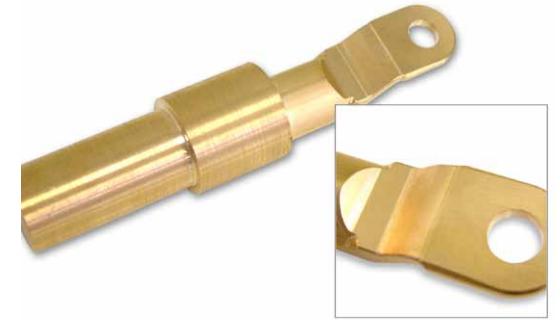
### Efficient Milling of Glass-filled Plastics

- PCB prototypes & solder pallets
- Test fixtures and adapters
- Wave Pallets, SMT Carriers
- Tab routing & depanelization
- Automatic fiducial recognition
- Grounding strap
- Depth-controlled trace cutting
- Dust-extraction systems (optional)
- Phenolic, G10, FR4, Durostone® and more!



Camera mounts next to spindle

## Connectors & Sockets



### Bring work in house ... for efficiency & savings!

- Connectors, sockets, brackets, holders
- Torlon®, Delmat®, Kapton®, Lexan®
- Ultem®, Ceramics, Vespel®, Semitron®
- Up to 40-tool capacity with auto tool changer
- Dust-extraction systems (optional)
- Micro hole drilling

The DATRON dust-collection unit (right) is used to dispose of chips and dust produced during machining.



### Versatility & superior quality

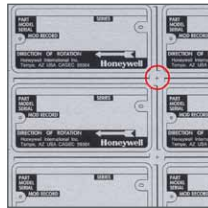
- Heat Sinks / Heat Convectors
- Cold plates
- Burr-free milling & drilling
- Intricate machining with small tools
- Aluminum, Copper, Stainless Steel
- Ethanol-mist coolant evaporates
- Vacuum Tables = Flexible Set-ups!
- Automatic tool change
- Large table for batch milling

## Options & Add-ons

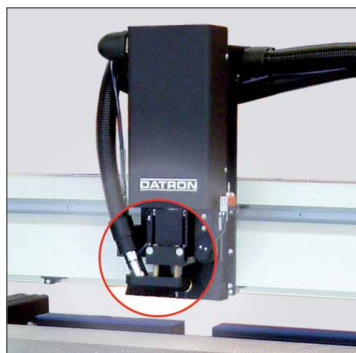


### DATRON Vision System (Camera)

- Developed for PCB Industry
- Recognizes fiducials & crop marks
- Locks in on center points
- Quickly register tool path with pre-printed sheets
- 1280 x 1024 pixel camera
- Includes LED light ring illuminating the work surface
- Includes camera software and DATRON commands



Find Registration Marks



### DATRON Dust-Collection Unit

- Brush assembly surrounds cutter
- Chip-free machining of sheet material
- Great for plastics, GFK & graphite!
- Reduces scratching caused by chips

## Dispensing



Images Above (clockwise):

- Dispenser
- Hotmelt
- Housings
- Liquid Seals
- Silicone
- Sealing



### DATRON also offers Dispensing Machines!

- Adhesive, sealing & EMC applications
- High precision & consistent beads
- Dispensing of abrasive EMI materials
- Works independently of pressure and viscosity
- Electronic dispensing heads
- High volume consistency
- Compensates for viscosity fluctuations
- From cartridges to 200 litre tanks!



Clean-Room-Ready!

Fits in  
lab or office

### Compact Machining Center:

- Dimensions - 59" x 55" x 81"
- Weight - 1,800 lbs.
- 230 volts / single phase
- Machining Area - 20" x 20" up to 60" x 45"
- 60,000 RPM Spindle
- Ethanol-mist coolant evaporates
- Integrated XYZ probing technology
- Vision (Camera) - for automatic recognition

[www.datron.com](http://www.datron.com)

Only one »click« away from success!



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