



# Delta Tau Data Systems Inc. – Your Embedded CNC Controls Partner

Delta Tau has been providing the motion backbone for some of the most well respected machine builders for over 20 years! In fact, over 10,000 CNC machines have been built using PMAC technology. The list of manufacturers who have used PMAC as an embedded CNC motion platform may surprise you.

Delta Tau is ready to provide you with the tools necessary to create a machine control solution engineered to give you the competitive edge, both in performance and cost.

Every PMAC is loaded with hardware and software features to help you get to market quickly and effectively.

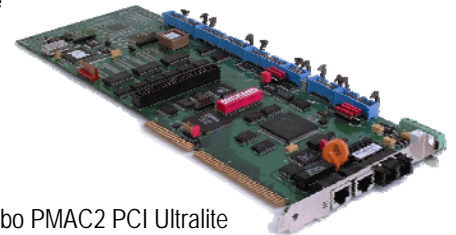
## On Board Operator Interface I/O

- Integrate operator control pushbuttons, switches, lights, indicators, etc.
- Auxiliary MPG inputs allow multiple handwheels at the operator station.
- Multiple analog inputs for feedrate, spindle, laser power, etc.

## Built-in Ready to use Turbo CPU Features

- Special firmware which allows raid G & M code implementation
- Advanced Lookahead for High-Speed Contouring
- Cutter Compensation (2D & 3D)
- Coordinate System Rotation, Scaling, and Offset
- Up to 16 Coordinate Systems
- Up to 32 Axes from a single CPU
- Large CNC Program Handling (Rotary Buffer)
- Nano-Precision Capability (x4096 Interpolation)
- Inverse/Forward Kinematic Capabilities (5 Axis/Robotics)
- Linear, 2D, 3D, Backlash, and Torque Compensation Tables
- Simple Multi-Axis Skew Correction
- Gantry / Parallel Mechanism / Hexapod / Delta Capability

Delta Tau has the software tools to get you to market. Whether you decide to use our configurable PMAC-NC Pro2 CNC GUI, or decide to develop your own custom GUI, we have the tools and knowledge to assist in your development.



Turbo PMAC2 PCI Ultralite



Turbo PMAC Clipper



Advantage 900

Embedded and OEM  
Machine Control Solutions

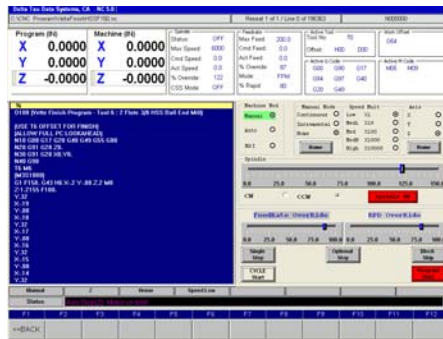




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## Software Options

- Pcommserver Pro2 communications library allows fast development of custom applications and includes more than 400 functions. Microsoft .NET compatible.
- PMAC-NC Pro2 features an already built CNC application which can be modified to suit your particular needs.



PMAC NC Pro2 Runtime Mode



PMAC NC Pro2 Designer Mode with Project Screen and Manager

## PMAC Options

- Turbo Clipper – Sophisticated power for the OEM in a 4 or 8 axis configuration at an unbelievable price.
- Brick Series – Packaged solutions offers complete integration of control, drives, I/O, and communication in a single, cost effective panel mount unit.
- UMAC Series – Unparalleled power and flexibility in a modular rack mount enclosure.
- MACRO – World class bandwidth for fiber optically distributed controls. The only solution for large format machinery. Can save \$\$\$\$ in the cost of cabling and troubleshooting.



**UMAC Turbo**  
1-32 Axis  
Customizable  
Machine Controller

**Geo Brick Controller/Amplifier**  
4/6/8 axis Packaged CNC Solution

Embedded and OEM  
Machine Control Solutions

