



Delta Tau Controls combined with K2 CNC Machine Base create cost effective Desktop Milling Solution

The desktop milling solution demonstrates Delta Tau's ability to provide extreme value and performance at an OEM embedded level. The entire system was designed, purchased, and built in less than one weeks time! No proprietary hardware or software was used for this system.

The desktop mill was sourced from K2 CNC, an Anaheim California based company which specializes in manufacturing value priced CNC machines for the woodworking and prototyping industries.

The entire machine can be built for under \$4,900! Don't let the low cost deceive you! The control system utilizes Delta Tau's legendary Turbo CPU and is packed with performance features including the following just to name a few:

- Sophisticated Block Lookahead Algorithm for High-Speed Contouring
- Cutter Compensation
- Coordinate System Rotation, Scaling, and Offset
- Large CNC Program Handling (800MB Limitation)
- Linear, 2D, 3D, Backlash, and Torque Compensation



The following is a comprehensive parts list:

Part Description	Qty.	Price
Turbo PMAC2 Clipper - Includes DPR & Analog Option	1	\$1,275.00
PMAC-NC Pro2 Runtime Software(OEM Version)	1	\$399.00
K2 CNC KT1414 Machine Base with Spindle	1	\$1,500.00
7A Micro Stepping Drive	3	\$342.00
260 oz-in Stepper Motor	3	\$207.00
34 Pin Screw Down Terminal Breakout	1	\$68.00
Opto 22 - G4PB16 I/O Rack	1	\$100.00
Opto22 - DC Output Modules (5-50 VDC, 3A)	4	\$50.00
Opto22 - DC Input Modules (10-32 VDC)	4	\$50.00
Omron Power Relay - 24VDC	4	\$24.00
Din Mount Relay Socket for Above	4	\$15.00
Emergency Stop Switch	1	\$13.00
Sola Hevi Duty - 5VDC @ 6A / 24VDC @ 2A	1	\$81.00
Connector Kit for Above	1	\$6.00
Unregulated Power Supply - 65VDC, 10A	1	\$165.00
Wiegmann Enclosure - 24" x 24" x 8" (With Back Panel)	1	\$450.00
Wiring, Terminal Blocks, Fuses, Etc.	1	\$100.00

Machine Component Total

\$4,845.00



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