



## QMAC and HMI for User Defined NC System

The QMAC is a 4-axis Turbo PMAC2 motion controller conveniently packaged in a 100 mm wide by 250 mm high by 175 mm deep enclosure. It can control up to four axes with either analog  $\pm 10V$ , direct digital PWM, or pulse and direction amplifier command signals. The QMAC can be used as stand-alone or commanded by a host computer with its RS-232 serial port or the optional USB or Ethernet communication methods.

### QMAC Hardware Features

- 4-Axis High Performance Motion Controller
- +/-10VDC, Direct PWM, or Stepper Output
- USB, Ethernet, or RS-232 Communication
- Built-In Segmented Block Lookahead and Inverse Kinematics
- G-Code processing for CNC
- On-Board General Purpose I/O, 16 in / 8 out, expandable



QMAC

### GEO Drives

- High performance digital drive technology
- Available with Direct digital PWM, MACRO or Intelligent Interface
- General purpose on board I/O
- Dual or single axis
- Up to 15A Continuous /30A Peak (RMS) 110-480VAC 50/60 Hz Input



GEO DRIVES

### PHMI Software Features

- Rapid Operator Interface Development Environment
- Uses ActiveX Graphical Control Objects including buttons, indicators, strip charts, bar graphics, gages and sliders
- Allows users to create professional looking multi-axis motion applications with minimal time and effort
- Operates on Windows 98, XP, 2000, NT



PMAC HMI