



## AOD Beamline Controls Group

### Newport PM500 Motion Controller

The PM500-C6 is a specialized high-performance rack-mountable motion controller/driver incorporating analog and digital servos specifically designed and tuned for Newport's PM500 Series ultra-precision motion devices. The controller incorporates a distributed processor architecture with a central CPU and dedicated motion processors on each axis card

### PM500



#### Features:

- 1-6 axes of closed-loop control of ultra-precise PM500 class DC motor driven motion devices
- Multi-axis synchronized motion
- Available with RS-232-C and IEEE-488 (GPIB) or RS-485 computer interfaces
- A self-tuning algorithm automatically compensates for device aging and environmental changes
- Nanometer positioning and better than 1% RMS velocity regulation
- Emergency motor cutoff without system reset
- An optional keypad with 6 ft. cable length allows for basic setup and remote control.

<http://www.newport.com>