

# Software Performs Motion Control Design



Configuring motion architectures for testing, Performance Motion Devices' Pro-Motion motion control set-up software delivers auto-tuning for current loop and position loop of servo motors. The program offers multiple and simultaneous connection capabilities to various controllers, a multi-drop over serial and CAN networks, and scope tracing of motion parameters. The Windows-based application includes a step-by-step axis wizard that allows designers to tune position loop, current loop and field-oriented control motor parameters. The prototyping tool optimizes motion system applications by facilitating the setting and viewing of all parameters and the exercising of parts of a motion design. The program shows compatibility with Magellan motion processor-based designs, including the Prodigy Motion Card and ION Digital Drive families. The motion control software instruction sets are independent of the motor type, allowing DC brush, brushless DC and step motors to be combined in multi-axis designs. Pro-Motion is free with the purchase of Magellan-based developer's kits.

Performance Motion Devices  
781-674-9860, [www.pmdcorp.com](http://www.pmdcorp.com) [1]

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