

Integrated, Intelligent (I²) Motor

Our Patented Design is the Easiest to Use Servo System on the Market

The I² Motor is a complete, integrated closed loop servo system including a brushless servo motor, controller, drives, power supply and feedback devices all in one compact package. It is designed for specialty equipment designers and system integration engineers to make your motion control solution fast and easy. It will cut your development time and cost to a fraction of a component system.

Motion commands are programmed using our I² Wizard software program available as a free download from the Specialty Motors web site. No programming knowledge is necessary to program up to 32 position and/or velocity commands.

Features and Functions

- Operates on any line power source 90VDC to 230VDC, 50/60 Hz
- Programmable inputs and outputs, current sourcing and sinking
- Universal I/O, 5-24 VDC
- 32 index motion profiles in velocity or position programmed with I² Wizard host software package
- Speed regulation to 0.1% of set speed
- Position resolution is 4096 counts per revolution
- Out of the box and running in 5 minutes

Take a Test Drive

Try it for yourself. Download our proprietary Wizard to program your own motion control profile with ease.



Download the I² Wizard at
www.specialtymotors.com



General Parameter Programmability

- I/O scale factors for defining units of speed and position
- Input and output offsets
- Loop gains for servo compensation
- Command and internal state limiters
- Motor matching values such as Kbemf

Digital Inputs: Enable/disable drive, homing, four programmable inputs

Digital Outputs: Motor enabled, motor fault, four assignable outputs

Analog I/O (0 to 10VDC or 4 to 20 MA, 12 bit): one programmable input and one programmable output

Available in 3 sizes with continuous power ratings up to 1 HP

 **Specialty
Motors**
SOLUTIONS IN MOTION

Call us today to discuss
your project requirements.

800.232.2612 www.specialtymotors.com