



## DRIVES & AMPLIFIERS



## Stepper Drives: The Pulse of Your Applications

iMotion's partnership with industry leading suppliers provides our customers with superior performance and a wide range of stepper drive product options. Our mission is to assist OEMs, big and small, in solving their toughest motion control and automation problems and making their business efficient, automated and profitable. The power and performance of our product selection, combined with the expertise and creativity of iMotion, come together to create cost effective, high value engineered solutions for your company's specific needs.

### FITTING YOUR NEEDS

Our suppliers offer a powerful range of standard products to meet your motion control requirements. If your application demands something unusual or unique, we can engineer a design to optimize the product's performance for your needs.

#### Next Evolution in Step Motor Technology

Our integrated drive-controller-stepper motor provides closed loop feedback and advanced control technology create more torque, fast dynamic response and high operating efficiency. This approach combines the best features of a step motor and servo system performance in a cost effective motion control solution.



- Closed-loop servo control using high torque step motors
- High acceleration for faster machine cycles and greater productivity
- Energy efficient, cool running
- All-in-one compact solution
- IP65 versions for wet and dusty environments
- Stand-alone operation (stored Q programming)
- EtherNet/IP industrial networking option
- CANopen fieldbus option
- Modbus RTU option for easy PLC/HMI connection

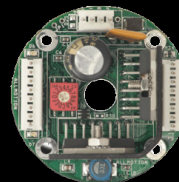


### BIG OPPORTUNITIES IN TINY PRODUCTS

iMotion has suppliers that specialize in developing and manufacturing miniature high-performance stepper and servo drives. They strive to create superior, ultra-compact motion control solutions that reduce costs and readily integrate into OEM instrumentation designs across a wide range of industries.

#### Options of Featured Products (Pictured to Right)

- Sizes include 1 x 1, 2" diameter and 2.25" x 2.25" Drivers
- 4 wire bus linking up to 16 stepper motor controllers
- 1-3 Amp Chopper (PVM) Driver
- Up to 20 Million Microsteps / second
- Operates from 12V to 48V
- RS232,RS485, or USB based Communications
- Stand alone operation with no connection to PC
- Hold current automatically selected upon move completion
- Round Option Only: Hole in PCB allows for use of double shafted motors
- RoHS compliant



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