

## αSTEP-ONE™

### THE NEW ASX SERIES ALL-IN-ONE ALPHASTEP MOTOR

ORIENTAL MOTOR presents the new ASX series all-in-one closed loop AlphaStep Motor. The AlphaStep controller and drive have been combined with the motor and feedback device, creating this all-in-one solution. AlphaStep does not lose synchronism even when subjected to abrupt load fluctuation or acceleration. The built-in rotor position detection sensor constantly monitors the motor movement. If synchronism is about to be lost, closed loop control is used, so there is no need to worry about loss of steps.

New advances in closed loop stepping motor technology...

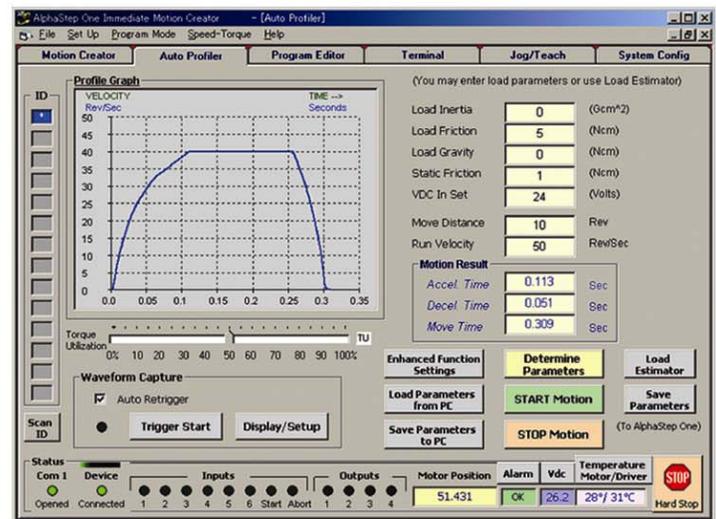
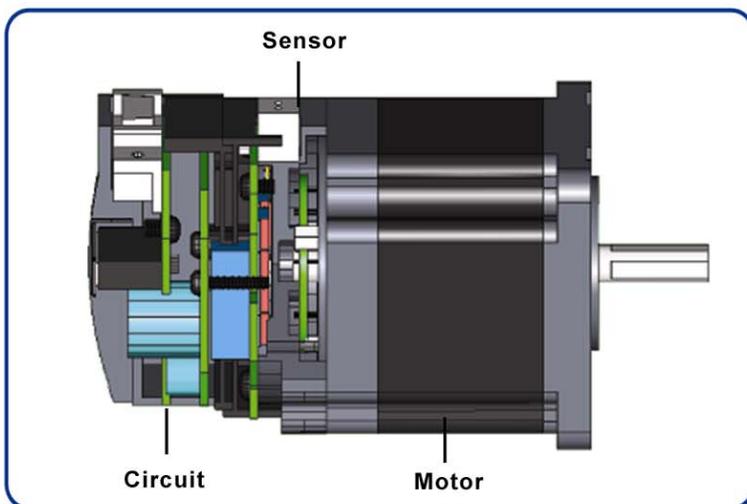
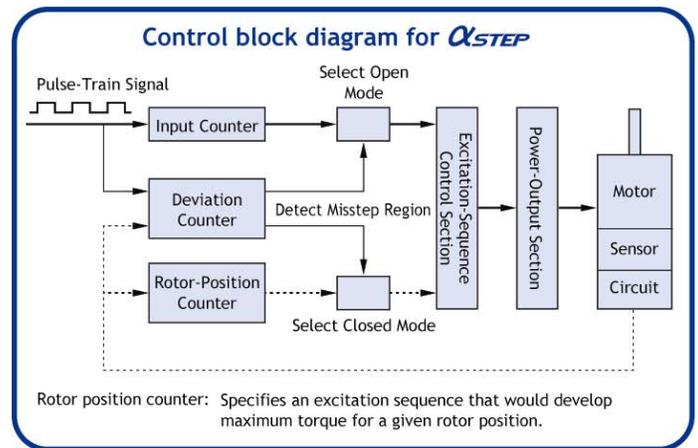
- Combines the motor, drive, and controller in one unit
- 51,200 counts closed loop resolution
- Up to 5,000 RPM
- Unique heat separation system
- Automatic current control

High performance integrated motion controller...

- Automatic motion profile generator
- Automatic load estimator
- Configurations for PLC, PC, and stand alone operation
- Full built-in diagnostic and oscilloscope functions

Fast and Easy programming...

- Drag and drop programming interface
- User selectable units: mm, in, rev, etc
- User named variables and subroutines
- Programmable I/O



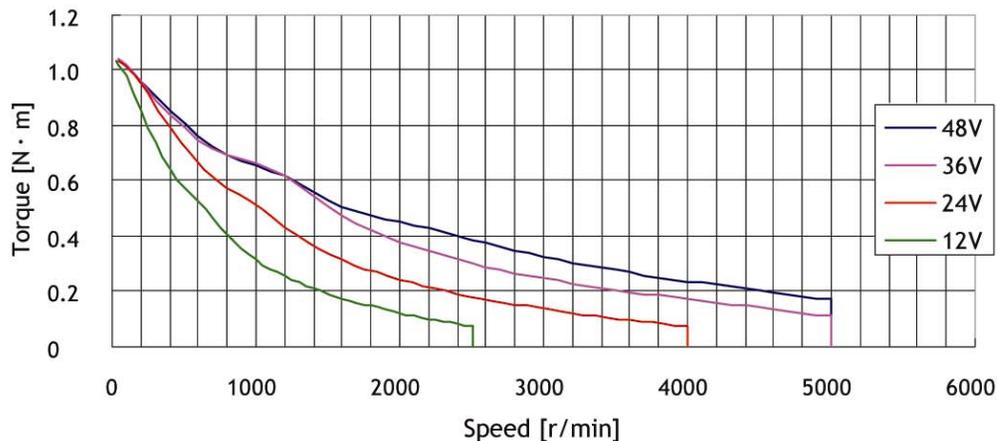
## $\alpha$ STEP-One™

### SPECIFICATIONS

Model	ASX66A-1/ASX66A-2	
Maximum Holding Torque	N•m (oz-in)	1.0 (142)
Rotor Inertia J	kg•m <sup>2</sup> (oz-in <sup>2</sup> )	405×10 <sup>-7</sup> (2.2)
Static Angle Error	minutes	± 5
Resolution		1 ~ 51200
Power Source		DC12 ~ 48V 4A Maximum
Insulation Resistance		100MΩ minimum when measured by a 500 VDC megger between the following places • Heat Sink-Power Supply Terminal
Dielectric Strength		Sufficient to withstand the following for one minute • Heat Sink-Power Supply Terminal 830VDC
Operating Environment	Ambient Temperature	+32°F ~ +104°F (0°C ~ +40°C) (nonfreezing)
	Ambient Humidity	85% or less (noncondensing)
	Atmosphere	No corrosive gases, dust, water and oil.

- Basic package, ASX66A-1 includes motor, power connector, wire insert tool and communication connector. Developer's package, ASX66A-2 includes communication cable, I/O cable, GUI CD and operating manual in addition to contents of basic package.

### SPEED – TORQUE CHARACTERISTICS



### DIMENSIONS

