



***News Release***  
April 2007, For Immediate Use

## **New ACE500 - High Voltage Brushless Digital Servo Amplifier**

**Ann Arbor, MI** . . Automotion, Inc. is pleased to announce the availability of our new ACE500 series high voltage, all digital, brushless servo amplifiers. Utilizing a DSP based architecture this new product provides software selectable Torque, Velocity, or Position (Step & Direction) Mode operation. Sine wave commutation provides smooth torque at low speeds for demanding motion control requirements found in robotic, direct drive, and linear motor applications.

The ACE500 utilizes an AC servo (flux vector) control algorithm that provides higher dynamic response and better noise immunity over older generation servo control techniques. By employing state-of-the-art AC flux vector control using modern space vector modulation, the ACE500 is a robust motor controller with lower current harmonics which means smoother, more efficient motor control.

Like its' ACE1000 predecessor, the ACE500 was engineered to be one of the most space-efficient, high voltage digital brushless servo-amplifier available on the market. Measuring just 6.9" (175mm) by 5.2" (132mm) by 1.95" (50mm) overall, this compact amplifier can handle power inputs of 90 to 254 V for AC, single phase, or 120 to 360 V for DC. Other standard features on the ACE500 include serial drive status diagnostics, EN60950, UL1950 and CSA22.2.14 safety compliance standards, UL recognized and CE marked (Low Voltage Directive), along with field upgradable DSP firmware.

The ACE500 is part of Automotion's new generation of intelligent servo-amplifiers based upon advanced DSP technology and is supported with our easy-to-use AutoMotionPLUS™ Window's based set-up and tuning utility. With its built-in graphical tuning and diagnostic capabilities, the ACE500 brings a new level of motion control application flexibility and efficiency to Automotion's OEM customers. Availability is typically Stock to 4 weeks.

For more information on the new ACE500 or any of our other intelligent servo drives, motors, and amplifiers please contact us at [sales@automotioninc.com](mailto:sales@automotioninc.com)

***The OEM's Drive Supplier™*** - Since 1983 Automotion has been a leading designer and manufacturer of brushless servo amplifiers, motor controllers, and single axis programmable servo systems for embedded servo solutions for the OEM machine builder. To find out more about us please visit our Web site at [www.automotioninc.com](http://www.automotioninc.com).