

## Integrated Stepper Motion Control Packages Now Smaller

Terryville, CT – Advanced Micro Controls Inc. (AMCI), has added a smaller, size 17 option to their lineup of PLC-based [SMD Series “all-in-one” stepper motor + drive + controllers](#) to satisfy a wide variety of applications with varying torque requirements. The SMD Series offers many sophisticated features at a budget friendly price point, and integration eliminates the need to purchase multiple components. AMCI’s SMD Series integrated solutions are ideal for new machinery, retrofits, and rapid changeover applications.

AMCI’s SMD17E2 (NEMA 17) integrated motor combines a high performance 80-oz in (0.56 N-m) torque stepper motor with a powerful DC drive and Ethernet/IP & Modbus-TCP interface in a single, compact product design. The embedded Ethernet switch simplifies multi-axis applications and optional encoder feedback eliminates the need for a separate home limit switch.



The AMCI SMD Series motors feature built-in EtherNet/IP & Modbus-TCP network connectivity, embedded Ethernet switch, SynchroStep™ technology, optional integrated encoder (incremental or multi-turn absolute), IP67 rated versions, gearboxes, and compatible cord sets. All of AMCI’s SMD integrated motors are programmed from the host controller, so there is no separate software to buy or learn.

With the addition of the NEMA size 17 package, options now include NEMA size 17, NEMA size 23, NEMA size 24, and NEMA size 34, with torque ranging from 80 oz-in (0.56 N-m) to 1,100 oz-in (7.77 N-m).

AMCI has been a trusted source of PLC-based motion controls for over 30 years, and released their first SMD Series product over 10 years ago. The SMD Series has earned partnerships with leading names in the industry including Rockwell Automation (listed as an Encompass Product), IDEC Corporation (offered as an integrated solution for the FC6A MicroSmart PLC as ISMD Series), and Wittenstein (partnered to sell products together - AMCI offers CP and NP series gearboxes).

For more information, please visit: <https://www.amci.com/plc-automation-products/motion-control/integrated-solutions/motor-drive-controllers/>

### **About Advanced Micro Controls Inc.**

Founded in 1985, Advanced Micro Controls, Inc. (AMCI) is a leading U.S. based manufacturer with a global presence. AMCI industrial control products improve PLC-based automation systems with specialized position sensing and motion control technology that simplifies automation and adds reliability to manufacturing processes. AMCI designs and manufactures all of their products, enabling



superior quality and innovation. The company provides 24/7 technical support staff, ready to answer questions about installation, configuration and operation of all AMCI products.

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