

PLC-Based Control Solutions

AMCI designs and manufactures everything you need to easily configure a high performance, reliable PLC-based motion control system. Every product is designed for optimum performance and years of trouble free operation.

Our stepper and servo motion control products offer optional network connectivity, and can be integrated into existing systems to improve performance and ensure reliability.


With over 20 years of success in the design and manufacturing of industrial control solutions, you can rely on AMCI's expertise when purchasing your next PLC-based motion control solution.



Motion Controllers

AMCI's motion controllers include PLC modules that provide 1, 2, or 4 axis of motion, and network ready multi-axis controllers. AMCI's motion module capabilities range from low-cost simple stepper applications, to more complex applications requiring closed loop positioning and servo technologies.

Drives and Motors

AMCI offers several different AC and DC powered microstepping drives providing a wide range of power outputs. Features include compact design, versatile mounting, and simplified set-up. Our stepper drives are also 100% compatible with our high performance stepper motors: available in NEMA frame sizes 23, 34, or 42 with single or double shaft, and optional rear-mounted encoder. 

Integrated Solutions

All of AMCI's integrated AC and DC powered indexer/drive packages provide a wide range of features including network connectivity, onboard indexers, and encoder feedback; greatly reducing overall system costs. Additionally, our SMD series product family provides a complete solution by incorporating the indexer, driver, and motor into a single package that offers the simplest installation possible.



Motion Controllers

PLC Modules

Stepper/Servo PLC modules for today's most popular Allen-Bradley PLCs. Compatible PLCs include 1734 Point IO, 1756 ControlLogix, 1769 CompactLogix, and 1764/1769 MicroLogix.



Features:

- Stepper/Servo Control
- 1, 2 or 4 Axis
- Independent or Coordinated Motion

NEXUS Controllers

Network ready multi-axis controllers compatible with a wide variety of PLCs and industrial networks.



Features:

- Stepper Controller
- 2 or 4 Axis
- Outputs Step/Direction or CW/CCW pulses
- Supports Encoder Feedback

Drives and Motors

Stepper Motor Drivers

Family of microstepping drives that offer a wide range of power output and features.



Features:

- AC & DC powered drives
- Selectable motor current
- Idle current reduction
- Anti-resonance circuitry
- UL listed

Stepper Motors

SM Series high performance stepper motors that will not fail - guaranteed.



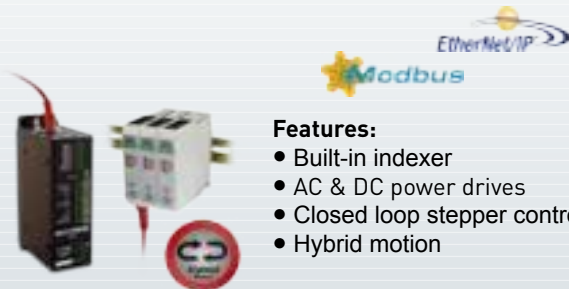
Features:

- NEMA frame sizes 23, 34, 42
- Single or Double Shaft
- High Performance Torque, Speed, and Range
- Available with back mounted encoder

Integrated Solutions

Stepper Motor Indexer/Drive Combo

Stepper motor drives that eliminate the need for a separate controller in your PLC.

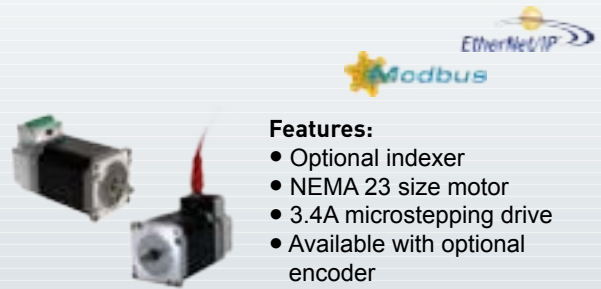


Features:

- Built-in indexer
- AC & DC power drives
- Closed loop stepper control
- Hybrid motion

Integrated Stepper Motor/Drive Combo

SMD Series self-contained motor and drive package that saves overall system costs.



Features:

- Optional indexer
- NEMA 23 size motor
- 3.4A microstepping drive
- Available with optional encoder

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