

Excellence in Industrial Control Solutions

- Specialty I/O Modules
- Position Sensing Products
- Motion Control Technology



AMCI *ADVANCED
MICRO CONTROLS INC.*

www.amci.com

Optimizing Your Performance

Advanced Micro Controls Inc. — Industrial Control Solutions

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. When you partner with AMCI, you benefit from 25 years of commitment to industrial control problem solving.

- Unique control solutions that offer long-term performance and serviceability
- Engineering innovations that reduce costs and improve automation control
- Broad industry applications expertise and technical support



► Solutions to Demanding Applications

AMCI's specialized control solutions are used in applications ranging from sophisticated motion control systems for the pharmaceutical industry to extreme duty position feedback solutions for military assault vehicles.

Automotive



Resolver based position sensors and interfaces for metal forming, transfer presses, gantry control and tire manufacturing operations.

Packaging



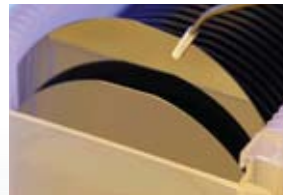
High-speed PLS controllers for glue gun control, packaging machines, labeling, material handling, box forming, sealing and cartoning operations.

Mining



Multi-turn and networked rotary encoders for cable car control, shovel positioning, conveyor lines and excavation machinery applications.

Semiconductor



Integrated motion control solutions for wafer transfer, alignment and positioning operations.

Pharmaceutical



Compact motion controllers provide easy set up and configuration for labeling, hot foil stamping, sorting, routing, picking, sealing and cartoning operations.

Steel



Severe duty sensors for arc and oxygen furnace control, continuous casting lines, the rolling process and coating operations.

Petroleum



Rotary and linear sensor interfaces offer precise crane positioning, valve control and level sensing.

Military



Ultra-reliable position sensors for turret control, satellite positioning, cargo transport lines and aerospace applications.

► PLC Focused Products

Specialty I/O Modules



Over 20 years of PLC module design and manufacturing expertise guarantees PLC compatibility, simplifying your set-up and programming.

PLC Modules

- Position sensor interfaces: Resolver, SSI, LDT, LVDT, EnDat and High-speed Analog
- Motion controllers: 1, 2 and 4 axis Stepper/Servo Controllers
- Packaging and press control: Programmable limit switches (PLS)
- Modules for the most popular PLCs: AB, GE Fanuc, Siemens and Schneider

Position Sensing Solutions



AMCI's rotary position sensors are designed to heavy-duty specifications, including high shock and vibration, operating temperature and shaft loading capacity ratings.

Encoders

- Up to IP69K protection
- Stainless steel and high temperature packages
- Single-turn, multi-turn and networked versions

Resolvers

- Single-turn, multi-turn and redundant sensing solutions
- Stainless steel and high temperature rated versions
- Widest selection of resolver interface PLC modules

SSI and LDT

- Interfaces for today's leading SSI and LDT sensors
- Complete SSI sensing solutions for rotary and linear applications
- LDT solutions for single and multi-magnet sensors

Programmable Limit Switch (PLS)

- Controllers for PLCs, networks and standalone operation
- High speed PLS controllers for packaging, press and automation applications
- Full featured programming capabilities for a wide range of functions

Motion Control Technology



AMCI's motion control products offer exclusive solutions that can't be found anywhere else. They combine the best performance with reduced overall cost.

Multi-axis control

- PLC modules with 1, 2 or 4 axis motion
- Network ready multi-axis controllers
- Interpolated (linear and circular) motion control

Integrated solutions

- Network ready indexer/drive combos
- Integrated drive and motor packages
- Easy setup and operation

Drives and motors

- AC and DC powered microstepping drives
- NEMA frame sizes 23 to 42 stepper motors
- UL listed and CE certified

► Value Added Engineering, Manufacturing and Quality Assurance

AMCI's team of electrical and mechanical engineers is rooted in practical experience and customer feedback. They partner directly with the company's sales and marketing groups to ensure that every product design meets basic criteria: simplify automation, increase application performance and add reliability to the manufacturing process.

We research, design, manufacture and test our products in our own advanced manufacturing facility. Through this integrated approach to product development, and long standing, practical experience with leading industrial automation OEMs, we're able to bring new technology to market quickly. We can also customize our existing products to meet specific end-use applications.

- Experienced in-house engineering staff
- Modern production equipment and processes
- 100% product testing before shipment



Our engineering teams work closely with sales and marketing to develop products that offer best-in-class performance.



The AMCI DuraCoder® brand encoders were developed to meet the needs of the most grueling industrial applications.



AMCI products go through 100% testing before shipping to guarantee years of trouble-free performance.

AMCI products are manufactured in-house for the fastest turnaround.

► Experience and a Commitment to Finding the Right Solution

Years of experience give AMCI sales engineers unique insights into understanding your application, helping you define objectives, and recommending the AMCI controls solution best suited for the job.

Our commitment to excellence goes beyond the sale. You'll find our technical support staff available 24/7 to answer questions about the installation, configuration and operation of all AMCI products.

- On-staff product, applications and technical specialists
- Comprehensive website with access to manuals, tutorials, FAQs and case studies
- International distributor network
- Same day response by telephone, email and web forms

Our experienced sales department assists customers in identifying the AMCI control products best suited to their application.



AMCI stocks finished and near finished parts allowing quick delivery, anywhere in the world.

AMCI's formula for success is simple – Support our customers in any way possible:

Sales Support:

- On-staff specialists
- Comprehensive Website
- Case studies
- Product literature

Demo Support:

- N/C product loaners
- Online resources:
 - Sample programs
 - Tutorials
 - FAQs

Account Support:

- Customer Service via:
 - Phone
 - Web forms
 - Email
- Same day replies

Tech Support:

- Tech Support via:
 - Phone
 - Web forms
 - Email
- Emergency coverage on nights & weekends



We combined our experience with PLC modules and industrial networking when designing the NEXUS multi-axis motion controller.





Over twenty years ago, we developed the unique technology to interface the resolver sensor directly into the Allen-Bradley PLC-5 with the AMCI 1700 series resolver interface module.

► Over 25 Years of Industrial Control Solutions

Advanced Micro Controls Inc. (AMCI) was founded in 1985 on the idea that industrial controls should simplify automation, increase application performance and add reliability to the manufacturing process. These guiding principles inspired the development of our first specialty I/O module more than 20 years ago.

Today, AMCI remains focused on PLC-based position sensing products and motion control technology. A lot has changed at AMCI over the years, except our commitment to supplying you with superior industrial control solutions.

► Ask the Experts!

Want to talk with an engineer? Call **860-585-1254**.

Visit www.amci.com to learn more about PLCs, encoders and resolvers.

You'll find:

- Tech tutorials
- Product data sheets
- Sample programs
- FAQs
- Case studies



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