



OUR KNOWLEDGE IS YOUR POWER

[smcelectric.com](http://smcelectric.com)

# REPAIR & REMANUFACTURING

## AN ALTERNATIVE TO BUYING NEW EQUIPMENT

### GLOBAL REPAIR CAPABILITIES ON A FULL RANGE OF INDUSTRIAL AUTOMATION BRANDS AND PRODUCTS

Quality repairs are crucial to the long-term health and viability of your automation equipment – and ultimately, your productivity level. Quality is integrated into every step of our repair process. Our efficient process minimizes handling time when repairing thousands of types and brands of electrical, electronic, and servo products.

Our repair technicians work quickly to repair your equipment, using replacement parts that meet – or even exceed – the original design specifications. Every unit follows a stringent process to deliver high-quality repairs in our ISO 9001-certified facilities. Our experienced professionals will make sure your equipment is returned to you as quickly as possible, so you can get your operation back up and running.



### HOW WE DIAGNOSE PROBLEMS

- Your equipment is thoroughly cleaned to remove all contamination
- Diagnostic tests are used to locate any inoperative components
- Functional testing performed on designated platforms
- Circuit analysis isolates marginal components
- Inoperative as well as marginal components are replaced to support long-term performance of the unit
- State-of-the-art equipment verifies total circuit board quality
- Circuit boards are coded and tagged
- Handling, packaging and shipping are performed in a static-free environment

### BENEFITS +

- **Repair Savings:** Decrease service costs by increasing the mean time between failure (MTBF) by using OEM-specified components (when available)
- **Faster Recovery:** Minimize downtime with our equipment exchange program
- **Extend Product Lifespan:** Repair obsolete or hard to find replacement products for increased dependability
- **Detailed Testing:** Trend analysis on parts can predict component failures and enhance product reliability
- **Repair Avoidance:** Component-level cleaning disinfects the unit, improves functionality and mean time between repairs
- **Quality:** Repaired equipment is protected by a 12-month warranty covering the entire unit, not just the repaired components

### FEATURES +

- **Single Source Capability:** Reduce procurement administration through vendor consolidation
- **Emergency Repair and Support:** Reduce downtime with our 24x7 support capability
- **Environmental Responsibility:** Facilities are ISO 14001 certified to comply with worldwide

# THE QUALITY YOU EXPECT FROM AN OEM, WITH A 12-MONTH WARRANTY ON THE ENTIRE UNIT

## Reliability

Each component is reviewed, inspected and undergoes trend analysis. Inoperative and aged components are replaced to increase MTBF.

## Obsolete/Irreplaceable Components

Damaged components that cannot be replaced are repaired to extend product life.

## Comprehensive Warranty

All equipment repaired by SMC receives a minimum 12-month warranty on the entire unit; not only the repaired components.

## Cleaning

Products are disassembled and go through environmentally friendly cleaning and decontaminating processes to increase product performance.

## Testing

Dedicated functional test platforms allow for comprehensive testing. Flexible testing platforms are established as needed to help minimize repair costs.

## Single Source for Repairs

We are a trusted provider for all your repair needs, including exchange, parts management, renewal parts and support services.

## EXAMPLES OF MANUFACTURERS WE SUPPORT

### AC/DC Drives

ABB  
Baldor  
Boston Gear  
Control Techniques  
Cutler Hammer  
Danfoss  
Emerson  
Eurotherm  
Gefran  
General Electric  
Indramat  
Klockner-Moeller  
Lenze  
SEW-Eurodrive  
Siemens  
Toshiba  
U.S. Motors  
Vacon  
Westinghouse

### Programmable Logic Controllers

AEG  
Cutler Hammer  
General Electric  
GE Fanuc  
Giddings & Lewis  
Honeywell  
Klockner-Moeller  
Mitsubishi  
Modicon  
Omron  
Schneider  
Siemens  
Telemecanique  
Texas Instruments  
Toshiba  
Westinghouse  
Yaskawa

### Servo Motors and Drives

Advanced Motion  
Atlas  
Baldor  
Bosch  
Baumuller  
Compumotor  
Control Techniques  
Emerson  
Fanuc  
General Electric  
Indramat  
Industrial Drives  
Kollmorgen  
Lenze  
Mitsubishi  
Pacific Scientific  
Siemens  
Westamp

### Robots and Controllers

ABB  
Adept  
Dengensha ADC  
Fanuc  
Kawasaki  
Kuka  
Motoman  
Nachi  
Rimrock  
Robotron  
Square D  
Staubli  
Trallfa

### Distributed Control Systems

ABB (Bailey Robotics)  
Foxboro  
Honeywell

### Instrumentation

Endress & Hauser  
Fluke  
... and many more.

**FOR A FREE REPAIR QUOTE OR MORE INFORMATION**

Visit [smcelectric.com](http://smcelectric.com) or contact your local branch.