



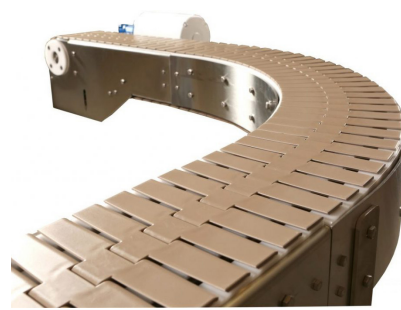
The best solutions flow through us.

**AUTOMATION
& ROBOTICS
DIVISION**



CENTRO, INC.

AUTOMATION & ROBOTICS



The Automation & Robotics Division has a wide variety of experiences and capabilities. This division is a resource for customers that need or desire to update or integrate new products or applications into their existing systems.

INDUSTRIAL AUTOMATION & CONTROLS

We have experience with many of the most popular PLC, HMI, and SCADA hardware and software systems with the ability to configure and program a new system or re-write or troubleshoot an existing PLC system.

MACHINE VISION SYSTEMS

We have experience working with machine vision inspection systems. Our systems help customers improve their processes and products subject to human fatigue or error. Our intelligent systems ensure that every item is inspected against a machine programmed standard that is not subject to human fatigue or failure.

AUTOMATED IDENTIFICATION SYSTEMS

Using bar code scanners and RFID automated identification systems are available to integrate data acquisition information with your existing applications. We can meet customer needs for handheld, fixed position, or mobile devices.

UL 508 PANEL SHOP

Our UL 508A Panel Shop builds its panels following current industry standards and your specific requirements. We can help you design your custom control system, or we can make your system from your particular design.

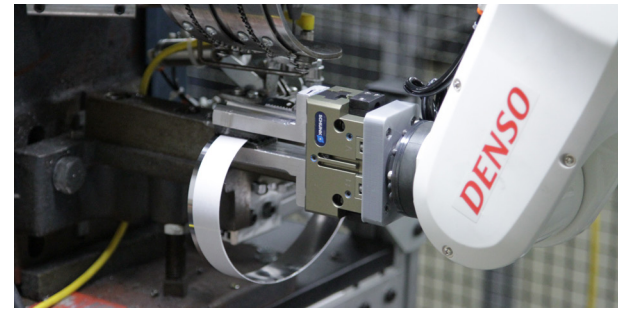
ROBOTICS INTEGRATION & APPLICATIONS

Centro works with customers to develop custom robotics solutions. By integrating robotics, IOT, material handling, and other technologies, we help customers achieve task automation and achieve their material handling goals. These robotics integrations and applications are applied in a variety of diverse industries.

SERVICES

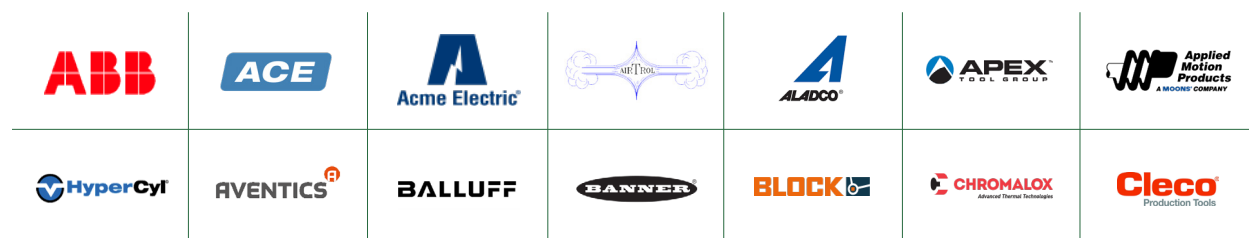
- Engineered Guarding Solutions
- Customer Training
- Inventory Consignment Programs
- Automated Conveyor Solutions
- Control Panel Design and Fabrication
- Vendor Managed Inventory Programs
- Robot Consulting and Programming
- Cartesian Design and Fabrication





TRUSTED SOLUTION PROVIDERS

ABB INC.	Full Range of Low Voltage Solutions to Connect, Protect, Control and Measure a Wide Range of Electrical Installations, Enclosures, Switchboards, Electronics and Electromechanical Devices
ACE CONTROLS	De-acceleration and Vibration Technology
ACME TRANSFORMER	DC Power Supplies, Power Condition Products and Control Transformers
AIRTROL INC.	Miniature pneumatic components are designed for use in light to medium duty applications where small size, light weight and precision are a must
ALADCO	Pilot-Operated Pneumatic Check Valves with Both Manual and Pilot Release Capabilities
APEX/CLECO	Complete Offering of Assembly Tools (Electric and Pneumatic)
APPLIED MOTION PRODUCTS	High-Precision, Cost-Effective Motion Control Products, Stepper and Servo, Drives, Motors, Controllers, Gearheads and Power Supplies
AVENTICS	Cylinders, ISO Cylinders, Rodless Cylinders, Grippers, Valve Systems, Air Preparation Products
BALDOR ELECTRIC MOTORS	General Purpose Motors, VFD Rated Motors, DC Motors
BALLUFF	Sensors and Systems for Linear Displacement Measurement, AutoID (Barcoding and RFID), Object Detection and Fluid Measurement, Including Network and Connection Technology and Extensive Accessories
BANNER ENGINEERING	Photoelectric Sensors & Laser Sensors, Measurement and Inspection Systems, Safety Light Curtain, Laser Scanners & Machine Safety Products, Wireless Communication, Vision Systems, Bar Code Readers



BLOCK USA INC.	Transformers, Power Supplies, EMI Filters, Reactors, Electronic DC Circuit Breakers
CANFIELD CONNECTORS	Interconnection Devices, Electronic Timers, Proximity Sensors, Modules and Specialty Electronic Devices. DIN 43650 Solenoid Valve Connectors in MINI, ISO and Sub-Micro 8mm or 9.4mm Sizes, Hardwired or Fully Molded Versions.
CHICAGO PNEUMATICS	Pneumatic & Electric Power Tools
CHROMALOX	Industrial Heaters, Temperature Controls, Panels, Sensors, Heat Tracing Products and Custom Heating Elements
COMPACT AUTOMATION	Cylinders, Rotary Actuators, & Linear Actuators
COOPER POWER TOOLS	Pneumatic & Electric Assembly Tools, Die Grinders, Air Hoists, Air Motors, Fixture Drill Units, Sockets, Bits & Adapters
COVAL VACUUM TECHNOLOGY	Vacuum Handling Solutions Product Manufacturer, i.e., Cups, Generators, Ejectors, Pumps, etc.
DANFOSS DRIVES	AC and DC Drives, Soft Starts
DATALOGIC USA INC.	Automatic Data Capture, Process Automation, Bar Code Readers, Mobile Computers, Sensors for Detection, Measurement and Safety, Vision and Laser Marking Systems
DENSO ROBOTICS	Small Assembly Robots, Four-Axis SCARA Robots, Five- and Six-Axis Articulated Robots
DORNER	Industrial, Sanitary, and Automation Precision Conveyors, Solutions for Packaging, Automation, Food Processing, Manufacturing, Pharmaceutical, Medical
ELLIS/KUHNKE CONTROLS	Manufacture Pneumatic Timers, Indicators, Counters, Valves, Cylinders, Regulators, Rotary Actuators and Various Fittings.
ENFIELD TECHNOLOGIES	Pneumatic Positioning Systems, Proportional Valves, Precision Pressure Regulators
EXERGEN	Hand-Held Non-Contact Temperature Sensors, Infrared Thermocouples (brand name Snake Eyes)
EXLAR ACTUATORS	Roller Screw Electric Linear Actuators
EXOR	Operator Interfaces for All Major Brands of PLCs, Old UniOp Brand Operator Interfaces, Industrial Computers





FABCO-AIR	Original Pancake Compact Air Cylinder, Pneumatic Cylinders, Valves, Slides, Grippers, and Air Prep
FIBRO	Rotary Indexing Tables Used as Swivel Axis or Axis for Positioning, Workpiece Carrier in Machine Tools and Assembly Applications
FORTRESS INTERLOCKS	Superior Quality Safety Gate Switches and Trapped Key Access Control, Robotic Cell Safety Interlocks
FREELIN-WADE	Plastic Tubing, Nylon Tubing, Polyurethane & Polyethylene Tubing, Weld Splatter Tubing & Tubing Accessories
FUJI ELECTRICAL DRIVES	Fuji Electric Variable Frequency Drives, Monitouch HMIs
GRACE ENGINEERING	Fully Customizable Programming Ports for Electrical Enclosures, PPE Safety Monitors
GSM MOTION	Multi-Application Safety Fences
HAMMOND MANUFACTURING CO. INC.	Electrical Enclosures
HELUKABEL CABLE	Wide Range of UL/CSA Approved Cables and Wires, Flexible Tray Cable for Stationary and Flexing Applications, High-Flex Robotic Cable for Continuous Flexing Applications, VFD/Servo Cable, Network Bus Cable
HIWIN	Ball Screws, Linear Actuators and Slide Products
HYPERCYL	Hydra-Pneumatic Cylinders and Presses for wide range of Assembly and Forming Applications. Assembly and Forming Solutions for Industrial Automation, Manufacturing, Commercial, and Defense Industries
IBOCO INC.	Integrated Panel Management Systems and Products, Time and Labor-Saving Solutions.
IDEC	Control Components (Push Buttons, Selector Switches, etc), Relays, Timers, PLCs, Light Towers
IEC (INDUSTRIAL ENCLOSURE CORP.)	Great Quality Custom Electrical Enclosures
LARCO	Industrial Safety Mat Systems
LEHIGH/ORTMAN FLUID POWER	Hydraulic Cylinders
LITTLEFUSE	Fuses, Fuse Blocks, and Wiring Devices
MACRON DYNAMICS	Linear Robotics, Belt Drive Actuators, Screw Driven Actuators





MAGNESCALE	Precision Measuring Equipment, Digital Gaging Products, Sub-Micron Contact Digital Measurement Devices, Linear Measurement Systems, Formerly SONY Magnescale, now a division of Mori Seiki
MEM-CO	Miniature Brass Fittings, Hose Barbs
MENCOM CORPORATION	Industrial Wiring Connectors
MIGRATRON	Ultrasonic Sensors
MILWAUKEE CYLINDER	Pneumatic & Hydraulic Cylinders & Ergonomic Manipulators
MONARCH HYDRAULICS	AC & DC Power Units, Hydraulic Valves, Dyna-Lift Ergonomic Height Adjustment Systems
MOUNTZ	Torque Monitoring & Measuring Devices
MURRPLASTIK SYSTEMS INC.	Cable Drag Chain, Robotics Cable Management, Cable Management, Wire and Cable Marking Systems
NEUGART USA, LP	Precision Servo Gear Reducers
NOSHOK	Pressure & Vacuum Gauges, Pressure Transducers & Metering Valves
NUMATICS	Pneumatic Control, Automation & Motion Control Products
ORIENTAL MOTOR	Stepper Motors, Servo Motors, AC Motors, Brushless Motors, Linear & Rotary Actuators, Cooling Fans
PARKER IPS T-SLOT SOLUTIONS	Aluminum T-Slot Structure
PATLITE	Lighting Products and Audible Alarm Products
PFANNENBERG SALES AMERICA, LLC.	Electrical Panel Thermal Management. Stack Lights, Warning Horns
PROFACE	Proface HMIs and Industrial PCs, High-end HMIs
RENCO CONTROLS, INC.	Anti-Tie Down Units
RETHINK ROBOTICS	Collaborative Robots
RK ELECTRICS	Custom Electrical Control Components, System Integrator
ROLLON	Linear Guides, Telescopic Guides and Linear Actuators
ROSS CONTROLS	Pneumatic Valves, Controls Systems, and Safety Products for Fluid Power Industry
SAGINAW CONTROL & ENGINEERING	Industrial Enclosures





SCHMALZ	Vacuum Handling Solutions Product Manufacturer, i.e., Material Handling, Cups, Generators, Ejectors, Pumps, etc.
SCHNEIDER ELECTRIC	Major Supplier of Industrial Controls and Automation Products, Circuit Breakers, Contactors, Relays, PLCs and Operator Interfaces
SCHUNK	Clamping Technology and Gripping Systems
SICK OPTICS	Photo-Electric Sensors, Vision Systems, Optical Safety Systems, Autold (Barcoding)
SOLA HEAVY DUTY	Power Supplies, Ind. Control Transformers, Power Conditioning, Transformers
STILSON	Machine Tool Accessories, Vacuum Generators & Cups, Power Clamps, Cushion Rollers & Bumpers
SUMITOMO MACHINERY CORP	Gear Motors, Gear Reducers, Special Gear Reducers
SWIVELINK	Versatile Sensor Mounting Systems and Stronguard Hard Guarding, Machine and Robot Guarding
THOMAS & BETTS	Wire & Cable Management Fittings Protection
TIME-MARK CORP.	Phase Monitors, Time Delay Relays, Level Controllers, Inexpensive Two-Hand Anti Tie-Down Two Hand Relay Modules
TURCK	Proximity Sensors, Ultrasonic Sensors, Intrinsic Safety Barriers, Flow Monitors, Device Level Interconnect and Bus Products, Cordsets and Junctions, Industrial Networking Products
VORTEC PANEL COOLERS	Enclosure Cooling Systems in a Variety of Cooling Capacities and Hazardous Locations, Atex & UL Certified Models
WALTHER ELECTRIC	Rectangular Connectors, Pin and Sleeve Connectors, and Power Distribution
WEG	Electric Motors and Drives, Control Components
WITTENSTEIN	Gear Boxes (Alpha)
WORLDWIDE ELECTRIC CORP.	Wholesale Motor Products and Gearboxes, Major Brands
YASKAWA INDUSTRIAL	Drives, Motion, and Robotics (Motoman)





**OUR MISSION IS TO BE REGARDED BY OUR CUSTOMERS AND COMMUNITY AS THE
BEST SUPPLIER OF AUTOMATION AND CONTROL PRODUCT SOLUTIONS TO INDUSTRY**

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