

## AUTOMATION COMPONENTS

**SENSING & INSPECTION**

- Indication Lighting
- LED Lighting
- Limit Switches
- Machine Vision
- Photoelectric
- Proximity
- RFID
- Rotary & Linear Measurement
- Task Lighting
- Temperature, Flow & Measurement
- Web Sensing

**SUPPLIERS**

- ABB
- Ametek
- Banner Engineering (MN, WI, ND & SD)
- Contrinex (IA, IL & NE)
- Crouzet
- Datalogic
- Electro Cam
- Encoder Products Company
- Euchner
- Festo (MN, ND & SD)
- Horner Lighting
- IDEC
- Macurco Gas Detection
- MAGPOWR
- Patlite
- Pick-it
- Phoenix Contact
- Red Lion
- RFID Inc.
- Roll-2-Roll Technologies
- Tamron
- Turck
- Watlow
- Werma

**PANEL COMPONENTS**

- Circuit Breakers
- Din Rail & Wireduct
- Enclosure Lighting
- Fuses
- Hand-Held Pendants
- Marking & Labeling
- Motor Control Centers
- Power Supplies & UPS
- Protection, Filtering & Conditioning
- Relays
- Soft Starters
- Starters & Contactors
- Temperature Controls
- Terminal Blocks
- Timers & Counters
- Transformers

**SUPPLIERS**

- ABB
- Datalogic
- Eaton
- Enderdoor
- Entelec
- Euchner
- Eurotherm
- Haewa (IL, IA & NE)
- Hammond Manufacturing
- IDEC
- Mersen (Ferraz Shawmut)
- Control Techniques
- Phoenix Contact
- PULS
- Red Lion
- Rittal Corporation
- Schlegel
- Sola/Hevi-Duty
- Sprecher + Schuh
- TCI
- Watlow

**LOGIC CONTROL & VISUALIZATION**

- HMI / Touch Screens
- I/O
- Industrial PCs
- Logic Control / PLC
- Monitors
- Panel Meters
- SCADA

**SUPPLIERS**

- ABB
- Bedrock Automation
- Crouzet
- Emerson Automation Solutions
- Festo (MN, ND & SD)
- Horner APG
- IDEC
- Kepware
- Lenze
- Maple Systems
- Phoenix Contact
- Red Lion
- RRAMAC

**MOTION CONTROL & ROBOTICS**

- Actuators
- Bearings
- Couplings
- Grippers
- Motion Controllers
- Integrated Motor & Control
- Motion Drives
- Precision Gearboxes
- Rail
- Robotics
- Servo Motors
- Stepper Motors
- VFDs

**SUPPLIERS**

- ABB
- Apex Dynamics
- Bishop-Wisecarver
- Crouzet
- Dunkermotoren
- Exlar
- Festo (MN, ND & SD)
- GAM
- IAI
- IGUS
- Joyce/Dayton
- Lenze
- Macron Dynamics
- NBK
- Control Techniques
- Oriental Motor
- Rollon (IL)
- Tolomatic (MN, WI, ND & SD)
- Trio Motion
- Yaskawa
- Zero-Max
- Zimmer Group

**PNEUMATICS**

- Air Supply Components
- Compressed Air Preparation
- Grippers
- Handling Systems
- Pneumatic Actuators
- Pneumatic Caliper Brakes
- Pneumatic Clutches
- Servo-Pneumatic Control Components
- Vacuum Technology
- Valve Manifolds
- Valves

**SUPPLIERS**

- Festo (MN, ND & SD)
- Fabco-Air
- Nexen
- Zaytran (Festo)

**ENCLOSURES**

- Cable Entry Systems
- Climate Control
- Custom
- Freestanding
- Wall Mount
- Hazardous Location
- Non-Metallic
- Rack Mounted
- Stainless Steel

**SUPPLIERS**

- ABB
- Adalet
- Allied Moulded
- Haewa (IL, IA & NE)
- Hammond Manufacturing
- Phoenix Contact
- Power/mation Solutions Group
- Rittal Corporation
- Roxtec
- Turck
- Vynckier

**CONNECTORS & CABLING**

- Bulk Cable
- Cable Glands
- Cable Management
- Connectors
- Cordsets
- Fiber Optic
- Multi-Ports

**SUPPLIERS**

- ABB
- Banner Engineering (MN, WI, ND & SD)
- IGUS
- Meltric
- Phoenix Contact
- Rittal Corporation
- Roxtec
- SAB
- Turck

**POWER TRANSMISSION**

- Brakes
- Couplings
- Gearboxes
- Gear Motors
- Motors
- Web Tension

**SUPPLIERS**

- ABB
- ABB/Baldor-Reliance
- Brook Crompton
- Cleveland Motion Controls (CMC)
- Contrex
- Dings
- GAM
- Grove Gear
- Hub City
- Leeson
- Lenze
- MAGPOWR
- NBK
- Nexen
- Nord Drivesystems
- Roll-2-Roll Technologies
- U.S. Motors (Nidec)
- Zero-Max

**INDUSTRIAL INTERNET & NETWORKING**

- Cellular
- Cloud Visualization
- Copper & Fiber Media
- Cybersecurity Solutions
- Ethernet Switches
- Industrial Wireless
- Media Converters
- Protocol Converters
- Remote Access
- Routers & Firewalls

**SUPPLIERS**

- Banner Engineering (MN, WI, ND & SD)
- Crouzet
- Emerson Automation Solutions
- Phoenix Contact
- Phoenix Digital
- Red Lion
- RRAMAC
- Secomea
- Verizon

**PROCESS AUTOMATION**

- Connectivity
- Controllers
- Data Management
- Hazardous Location
- Measurement Sensors
- Power Reliability
- Temperature Control
- Valving
- Valve Actuators
- Visualization

**SUPPLIERS**

- ABB
- Adalet
- Banner Engineering (MN, WI, ND & SD)
- Bedrock Automation
- Chromalox
- Crouzet
- Enderdoor
- Festo (MN, ND & SD)
- Emerson Automation Solutions
- Macurco Gas Detection
- NOSHOK
- Phoenix Contact
- Red Lion
- RRAMAC
- Turck
- Watlow

**MACHINE SAFETY**

- Hard Guard Fencing
- Light Curtains
- Machine Framing
- Presence Sensing
- Programmable Safety Controllers
- Safety Relays
- Safety Switches

**SUPPLIERS**

- ABB
- ABB Jokab Safety
- Banner Engineering (MN, WI, ND & SD)
- Contrinex (IA, IL & NE)
- Euchner
- Fortress Interlocks
- Frame-World
- Inxpect
- Lenze
- Macurco Gas Detection
- Phoenix Contact
- Pilz
- Power/mation Solutions Group

**KEY PARTNERS**

**SUPPLIER INDEX**

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|--|---|---|--|
| <p><b>A</b><br/>                 ABB<br/>                 ABB/Baldor-Reliance<br/>                 ABB/Thomas &amp; Betts<br/>                 ABB/GE Controls<br/>                 ABB Drives<br/>                 ABB Jokab Safety<br/>                 ABB Motion<br/>                 ABB Robotics<br/>                 Adalet<br/>                 Allied Moulded<br/>                 Ametek<br/>                 Apex Dynamics</p> <p><b>B</b><br/>                 Banner Engineering (MN, WI, ND &amp; SD)<br/>                 Bedrock Automation<br/>                 Bishop-Wisecarver<br/>                 Bodine Electric<br/>                 Brad Harrison<br/>                 Brook Crompton</p> <p><b>C</b><br/>                 Chromalox<br/>                 Cleveland Motion Controls (CMC)<br/>                 Contrax<br/>                 Contrinex (IA, IL &amp; NE)<br/>                 Control Techniques (Nidec)<br/>                 Control Technology Corporation<br/>                 Crouzet</p> <p><b>D</b><br/>                 Datalogic<br/>                 Dings<br/>                 Dunkermotoren<br/>                 Durant</p> | <p><b>E</b><br/>                 Eaton/Cutler-Hammer (IL)<br/>                 Electro Cam<br/>                 ElectroCraft<br/>                 Emerson Automation Solutions<br/>                 (GE Automation)<br/>                 Encoder Products Company<br/>                 Enerdoor<br/>                 Entrelec<br/>                 Euchner<br/>                 Eurotherm<br/>                 Exlar</p> <p><b>F</b><br/>                 Fabco-Air<br/>                 Fairchild Industrial Controls<br/>                 Festo (MN, ND &amp; SD)<br/>                 Fortress Interlocks<br/>                 Frame-World</p> <p><b>G</b><br/>                 GAM<br/>                 Gardasoft<br/>                 GE Digital<br/>                 Grove Gear</p> <p><b>H</b><br/>                 Haewa (IL, IA &amp; NE)<br/>                 Hammond Manufacturing<br/>                 Horner APG<br/>                 Horner Lighting<br/>                 Hub City</p> <p><b>I</b><br/>                 IAI<br/>                 IDEC<br/>                 IGUS<br/>                 Industrial Enclosures Corporation<br/>                 Inertia Dynamics<br/>                 Intercon 1<br/>                 Inxpect</p> | <p><b>J</b><br/>                 Joyce/Dayton</p> <p><b>K</b><br/>                 KB Electronics (Nidec)<br/>                 Kepware<br/>                 Killark<br/>                 Kraus and Naimer</p> <p><b>L</b><br/>                 Leeson Electric<br/>                 Lenze</p> <p><b>M</b><br/>                 Macron Dynamics<br/>                 Macurco Gas Detection<br/>                 MAGPOWR<br/>                 Maple Systems<br/>                 Meltric<br/>                 Mersen (Ferraz Shawmut)</p> <p><b>N</b><br/>                 NBK<br/>                 Nexen<br/>                 Nord Drivesystems<br/>                 Norstat<br/>                 NOSHOK</p> <p><b>O</b><br/>                 Oriental Motor</p> <p><b>P</b><br/>                 Patlite<br/>                 Phoenix Contact<br/>                 Phoenix Digital<br/>                 Pilz<br/>                 Pick-it<br/>                 Power/mation Solutions Group<br/>                 Pro-face<br/>                 PULS</p> | <p><b>R</b><br/>                 Recora<br/>                 Red Lion<br/>                 RFID Inc.<br/>                 Rittal Corporation<br/>                 Roll-2-Roll Technologies<br/>                 Rollon (IL)<br/>                 Roxtec<br/>                 RRAMAC</p> <p><b>S</b><br/>                 SAB<br/>                 Schlegel<br/>                 Secomea<br/>                 Servo Solutions, Inc.<br/>                 Sola/Hevi-Duty<br/>                 Sprecher + Schuh<br/>                 Stahlhin</p> <p><b>T</b><br/>                 Tamron<br/>                 TCI<br/>                 Tolomatic (MN, WI, ND &amp; SD)<br/>                 Trio Motion<br/>                 Turck</p> <p><b>UVWXYZ</b><br/>                 U.S. Motors (Nidec)<br/>                 Verizon<br/>                 Vynckier<br/>                 Watlow<br/>                 Werma<br/>                 Winsmith<br/>                 Yaskawa<br/>                 Zaytran (Festo)<br/>                 Zero-Max<br/>                 Zimmer Group</p> |
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**CUSTOM PRODUCTS & SERVICES**