

**Certified  
Excellence**

**rexroth**  
A Bosch Company

# Industry-Leading Automation Solutions



# Industry-Leading Automation Solutions to Improve Your Business:

- State-of-the-art automation products and support from world-class partners
- Local automation specialists to provide technical assistance from concept to operation
- Wesco's best-in-class supply chain solutions
- System integrator ecosystem to provide complete turnkey solutions



## Wesco Delivers Complete Automation Solutions and Capabilities

Wesco provides everything you need for industrial automation, process control and motor control applications. We work closely with you to plan, design and implement flexible solutions to meet specific business challenges.



## Industries Served

- Automotive
- Fibers and textiles
- Food and beverage
- Healthcare/institutional
- Infrastructure
- Lumber
- Machine builders and OEMs
- Marine
- Mining, metals, and minerals
- Oil and gas/petrochemical
- Power generation
- Print and publishing
- Pulp and paper
- Semiconductor and electronics
- Tire and rubber
- Water and wastewater

## Premier National Automation & Control Partners



# Automation and Control Services

## Global demand for robotics and automation will continue to grow

By automating tasks, industrial automation and robotics offers tremendous advantages:

- Decreased labour costs
- Increased throughput
- Quality
- Safety
- Sharply improved productivity
- Enhanced competitiveness



- Acceptance testing
- Advanced level programming ( Java, Javascript, C, C++, Python, NodeRed, Codesys PLC IEC161131-3, OPC-UA)
- Afterlife extension and modernization
- After-hours support
- Air circuit breaker overhauls and upgrades
- Air circuit breaker inspections, testing and calibration
- AutoCAD (SLD design, take-offs and interpretation)
- Automatic Transfer Switch (ATS) upgrades
- Energy assessment/management (on-site audits (level 1-3), energy performance and solutions)
- Engineering capabilities: (pre and post-sales, single-line drawings, etc.)
- Cable and sensor assemblies and customization
- Continuous Improvement programs
- Custom bus modifications
- Customer training
- Ground-fault systems
- HMI development and commissioning
- IIoT and cloud connectivity
- LV breaker replacement
- Metering systems
- Motor control specification and commissioning (Starters & VFDs)
- Motor control upgrades
- MV vacuum breaker replacement
- Pre/Post application support
- Power quality services
- Power system automation
- Power system studies, design and analysis
  - Arc flash studies
  - Short circuit coordination studies
- Product and standards training
- Product kitting
- Project management
- Project staging
- Protective relay installation and testing
- RETScreen energy performance & financial analysis
- Safety risk assessment (CMSE)
- Servo system repair services
- Servo system sizing, setup and commissioning
- Soft starts and controls
- System integration
- Training – customer and technology
- Transformer testing and repair
- TUV safety certification training
- VFD commissioning and start-up assistance
- VMI and spare parts management

Services performed by Wesco Canada or authorized partners under the guidance of Wesco.



# Industrial Automation & Control Solutions

## Factory Automation

- Operator interface
- Industrial PCs
- Input/output (I/O) modules
- Process control
- Programmable logic controllers (PLCs)
- Software
- Visualization

## Controllers & I/O

- Distributed I/O
- Large platform controllers
- Small controllers

## Drives & Motors

- Component LV and MV solutions
- DC drives
- Motors (AC & DC)
- Variable frequency drives (VFD)
- VFD Cables
- Soft Starts

## Enclosures

- Engineered enclosures
- IT racks, cabinets and enclosures
- Stainless steel enclosures
- Standard enclosures
- Thermal management products

## Industrial Control

- Circuit protection
- Electrical distribution equipment
- Power conditioning
- Power supplies
- Push buttons
- Relays
- Surge suppressors
- Switches
- Terminal blocks
- Timers
- UPS systems

## Industrial Networks & Connectivity

- Cable and connectivity
- Cable routing
- Connection devices
- Ethernet switches
- Industrial infrastructure products
- Industrial network cable
- Industrial network software
- Industrial network tools and testing equipment
- Network equipment
- Panel wiring
- Patch cords
- Wireless products and systems

## Motion Control

- Servo drives
- Servo cables
- Servo mechanics
- Servo motors and actuators

## Motor Control Centres

- Engineered solutions
- LV and MV motor control centres
- Motor control centres

## Machine Safety

- Machine safety and process safety solutions
- Machine safety components
- Machine safety control systems
- Sensors and switches

## OT Cybersecurity

- Firewalls
- Threat detection
- Secure remote access
- Embedded cyber sensors

## IoT Gateways & Controllers

- Industrial IoT gateways
- IoT controllers
- Edge computing devices

## Wired & Wireless Sensors

- Accelerometers and vibration sensors
- Temperature sensors
- Humidity sensors
- Motion and occupancy sensors
- Proximity sensors
- Photoelectric sensors
- AC current meter sensors
- Three-phase current meters
- Voltage detection sensors
- Water detection sensors
- Gas detection sensors

## Industrial Communications

- Industrial routers
- Cellular gateways
- Industrial ethernet switches
- Industrial wireless

## Advanced Analytics & Software

- Artificial intelligence
- Machine learning
- Augmented reality
- Cloud services
- Data visualization
- Dashboard and reporting software
- OEE software
- Historian software
- SCADA

\*Product availability may vary by branch.

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