Our Experience. Your Advantage.

Warehouse logistics and processes can be complex, so you need a partner who can help you navigate the best solutions for your business. Honeywell forms strategic partnerships with our customers, meaning that you can count on us from our first conversation to final deployment. Our solutions are broad — from force sensors to ensure robotic grippers can safely grasp products to safety cable-pull switches that provide emergency stop signaling along the conveyor line. Featured in this warehouse example are four key pieces of equipment along with the Honeywell solutions that allow them to run reliably and deliver accurate readings.

**ARTICULATED ROBOTIC ARMS**
- Force Sensors – ensure safe grasping or gripping
- Board-Mount Pressure Sensors – measure pressure of air or fluid in control lines
- Heavy-Duty Pressure Sensors – provide functionality to robotic equipment
- Magnetic Position Sensor ICs – help maintain a high level of accuracy and precision
- MICRO SWITCH Limit Switches – sense presence of welding rods and provide end-stop detection
- MICRO SWITCH Basic Switches – for use in control assemblies and provide end-of-travel and grid-style guidance
- Humidity/Temperature Sensors – catch moisture from moving items and provide alerts for extreme environmental conditions
- Position Sensors – optimize accuracy and efficiency through highly accurate motion control
- MICRO SWITCH Safety Switches – used for perimeter guarding to provide emergency stop protection

**ROBOTIC GRIPPERS**
- Force Sensors – ensure safe grasping or gripping
- Board-Mount Pressure Sensors – utilized in robotic gripping technology
- Heavy-Duty Pressure Sensors – provide functionality to robotic equipment
- Magnetic Position Sensor ICs – allow the robot to automatically adjust its grip and angle to handle irregular objects
- MICRO SWITCH Basic Switches – integrated into grippers of the arm wrist to sense grip pressure
- Temperature Sensors – provide feedback to the chamber controller to ensure proper temperature levels
- Humidity/Temperature Sensors – catch moisture from moving items and provide alerts for extreme environmental conditions
- Position Sensors – optimize accuracy and efficiency through highly accurate motion control
- MICRO SWITCH Safety Switches – used for perimeter guarding to provide emergency stop protection

**INDUCTION SORTER**
- MICRO SWITCH Safety Switches – provide required emergency stop signaling for personal safety protection
- MICRO SWITCH Limit Switches – indicate position for system controls and can also count items passing by
- MICRO SWITCH Hazardous Location Limit Switches – send an electrical signal to indicate position of equipment and material. Often used for “door plugged”
- Heavy-Duty Pressure Sensors – control direction of packages coming down the conveyor
- Magnetic Position Sensor ICs – used for motor/fan control, position sensing, linear and angular displacement and speed sensing of moving parts

**CONVEYOR SYSTEM**
- Force Sensors – ensure safe grasping or gripping
- Board-Mount Pressure Sensors – monitor pneumatic pressures to ensure specified operating level
- Heavy-Duty Pressure Sensors – provide functionality to robotic equipment
- Magnetic Position Sensor ICs – allow the robot to automatically adjust its grip and angle to handle irregular objects
- MICRO SWITCH Basic Switches – count packages as they pass on conveyors
- Position Sensors – optimize accuracy and efficiency through highly accurate motion control
- MICRO SWITCH Safety Switches – used for perimeter guarding to provide emergency stop protection
MAINTAINING OUR FOCUS
ON THE FUTURE
WITH INNOVATIVE SOLUTIONS
FOR FORWARD-THINKING
APPLICATIONS

THE INCREASING COMPLEXITY OF WAREHOUSING, ROBOTICS AND EQUIPMENT TRANSLATES TO AN INCREASING NUMBER OF HIGHLY ACCURATE AND RESPONSIVE PRODUCTS REQUIRED.

We measure ourselves against the industry’s needs quickly and constantly – enhancing our broad product portfolio to address future opportunities. Honeywell limit switches have an 85-year history and continue to revolutionize industrial applications. And, our newly engineered MicroForce force sensors are an industry leader in long-term stability, reliability and relative humidity. With such a broad product offering, you can count on Honeywell solutions for the latest technology, affordability, ease of installation, accurate performance and reliability.

FOR MORE INFORMATION

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