



## Industrial Machine Builder Solutions

End-to-end portfolio of ruggedized hardware/ software solutions designed to improve machine performance and uptime



**Be certain.  
Belden.**

# Build Machine Infrastructure That Guarantees Uptime

In an industry that's always moving, assuring productivity remains the key priority for manufacturing operations. For industrial applications, that means overcoming such environmental factors as water, chemicals, oil, torsion, vibration, noise, temperature and more.

Belden works closely with system integrators and customers in the Machine Building industry to provide technology that's proven to work – no matter the conditions. The result is a customized communication network solution that ensures maximum reliability, availability and security in highly-automated settings.

Benefit from the deep experience Belden has in machine building applications, including:

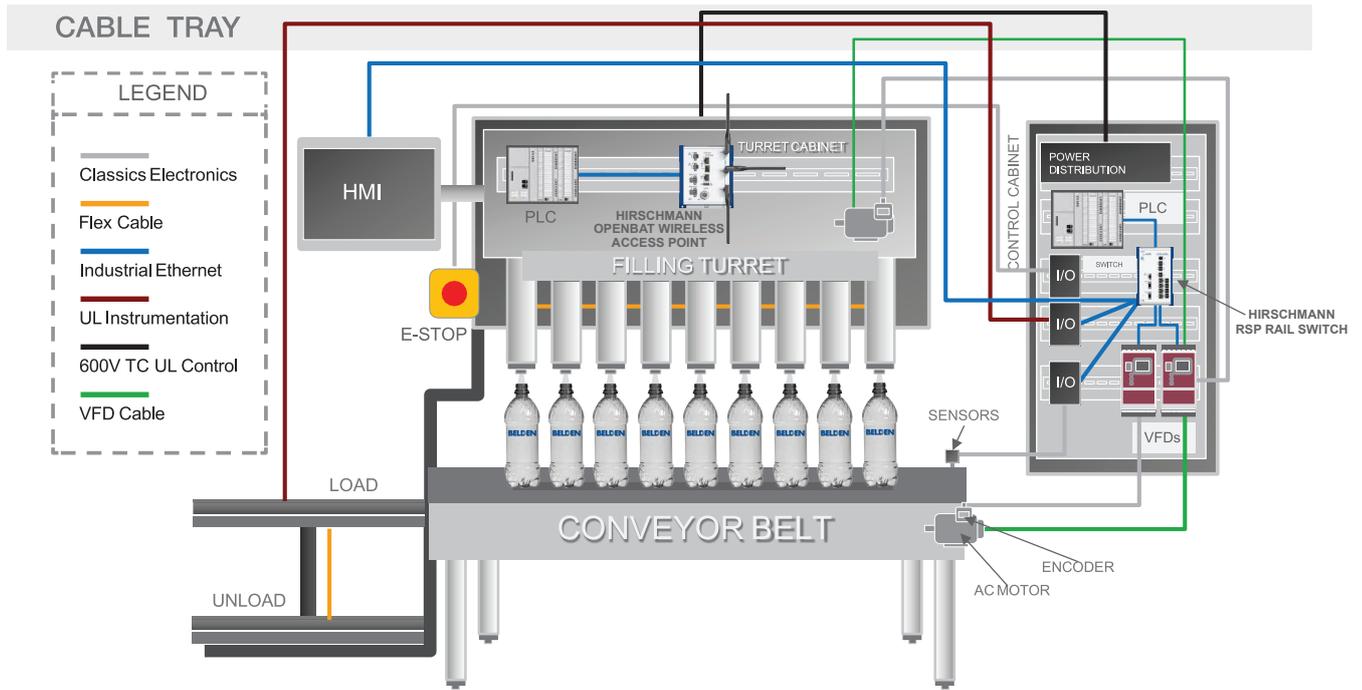
- Material Handling – equipment for moving, handling, storing and protecting goods
- Consumer Packaged Goods – machines used for putting consumer goods into final retail containers
- Automotive – automated tools used across multiple shop floor areas during vehicle manufacturing
- Food & Beverage – any equipment used in the processing, filling and packaging of food or drink products



# Design Reliability into Your Machines – Whatever the Application

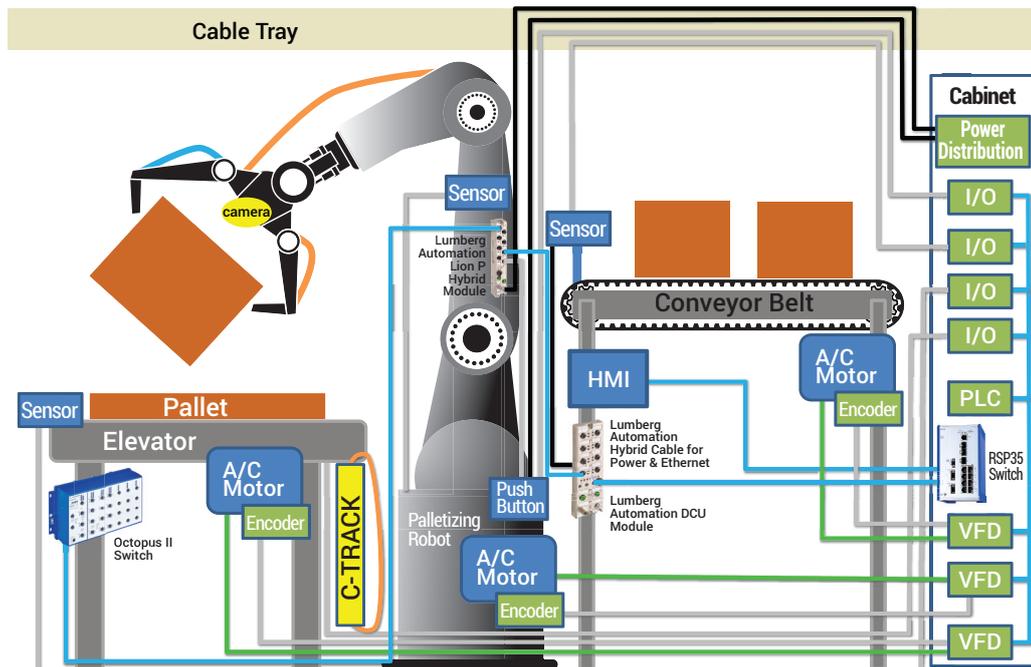
Whether on-machine or on the connected network, Belden offers a full range of infrastructure components specially hardened for industrial environments. Below are just two examples of how you can ensure availability and performance with Belden.

## Bottling Process



## Palletizer

- Classics Electronics
- Infinity Flex Cable
- Industrial Ethernet
- 600V TC UL Control
- VFD Cable



# Explore the Industry's Broadest Portfolio

Find solutions designed for maximum uptime, safety and security for your mission-critical infrastructure in harsh industrial settings. All from one vendor with the brands proven to improve industrial network performance.

COMPONENT	DESCRIPTION
<b>Industrial Cable</b>	The most complete portfolio of wire and cable products on the market. Includes Belden's patented bonded-pair Ethernet cables, VFD cables, Flex cables, Tray cables and SpaceMaker cables. Especially designed to retain unmatched signal quality through bending, twisting, crushing and exposure to moisture, chemicals, UV rays and extreme temperatures. <a href="https://www.belden.com/products/industrial/cable">https://www.belden.com/products/industrial/cable</a>
<b>Industrial Connectivity</b>	The industry's first multiprotocol I/O devices, space-saving and durable Ethernet connectors, the smallest and lightest sensor/actuator cordsets and connectors, full range of power connectors and IO-Link Masters and Hubs. M8, M12, M23, ½ - 20 and MINI style variants all available. <a href="https://www.belden.com/products/industrial/connectivity">https://www.belden.com/products/industrial/connectivity</a>
<b>Industrial Networking</b>	Ruggedized and reliable active network components, including innovative managed and unmanaged switches, routers, media converters, wireless access points and antennas, network management software, secure remote access and numerous accessories. PoE, IP65/67 rated and high port count options available. <a href="https://www.belden.com/products/industrial/networking">https://www.belden.com/products/industrial/networking</a>
<b>Industrial Cyber Security</b>	Cutting-edge security devices to help you build in redundancy, layered defenses and controlled zones and conduits. Plus, software to help you assess, configure, monitor, log and manage all network activity. Protecting your network has never been easier. <a href="https://www.belden.com/solutions/industrial/cyber-security">https://www.belden.com/solutions/industrial/cyber-security</a>



## Belden Competence Center

As the complexity of communication and connectivity solutions has increased, so have the requirements for design, implementation and maintenance of these solutions. For users, acquiring and verifying the latest expert knowledge plays a decisive role in this. As a reliable partner for end-to-end solutions, Belden offers expert consulting, design, technical support, as well as technology and product training courses, from a single source: Belden Competence Center. In addition, we offer you the right qualification for every area of expertise through the world's first certification program for industrial networks. Up-to-date manufacturer's expertise, an international service network and access to external specialists guarantee you the best possible support for products. Irrespective of the technology you use, you can rely on our full support – from implementation to optimization of every aspect of daily operations.

Learn more at <https://www.belden.com/solutions/industrial/machine-building>  
Follow us on Twitter@BeldenIND. Call 1-800-BELDEN-1