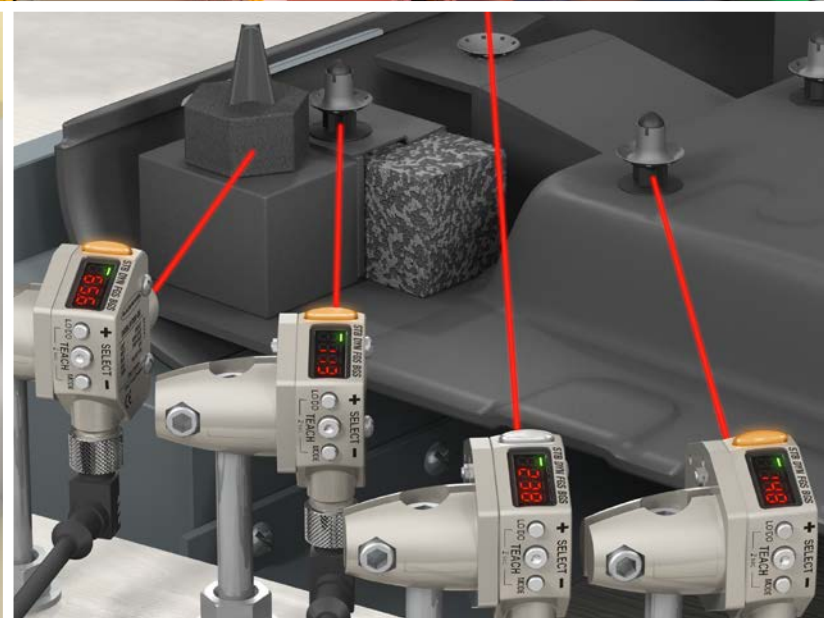


# Automation Solutions from Banner



# Innovative Products and Solutions



## Lighting and Displays

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- LED work, strip, spot, and area lights
- Andon and tower lights
- Indicators
- Audible alarms
- Illuminated touch buttons
- Pick-to-light devices
- Machine vision lights
- Industrial LED message displays



## Networking and Condition Monitoring

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- Wireless radios and controllers
- Wireless sensors, indicators, and touch buttons
- IIoT gateways and controllers
- Cloud and cellular connectivity services
- IO-Link® masters and hubs
- Signal converters



## Machine Safety

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- Light curtains
- Controllers and relays
- Emergency stops
- Safety switches
- Safety laser scanners
- Two-hand controls



## Sensors and Measurement

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- Photoelectric
- Laser distance measurement
- Ultrasonic
- Radar
- Fiber optic
- Color, contrast, and luminescence
- Part detection and measurement arrays
- Condition monitoring sensors



## Connectivity

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- Cordsets, cables, and splitters
- In-line adapters, filters, and fuses
- Switches
- Junction blocks

## Monitoring Solutions

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- Real-time access to evaluate equipment performance
- Easy no-code setup and installation with automatic sensor recognition
- Cover any need with Asset Monitoring Gateway with SNAP ID™ for wired sensor monitoring of one or more local assets, and Asset Monitoring Gateway with CLOUD ID® for wireless sensor monitoring of multiple remote assets



# Featured Technologies

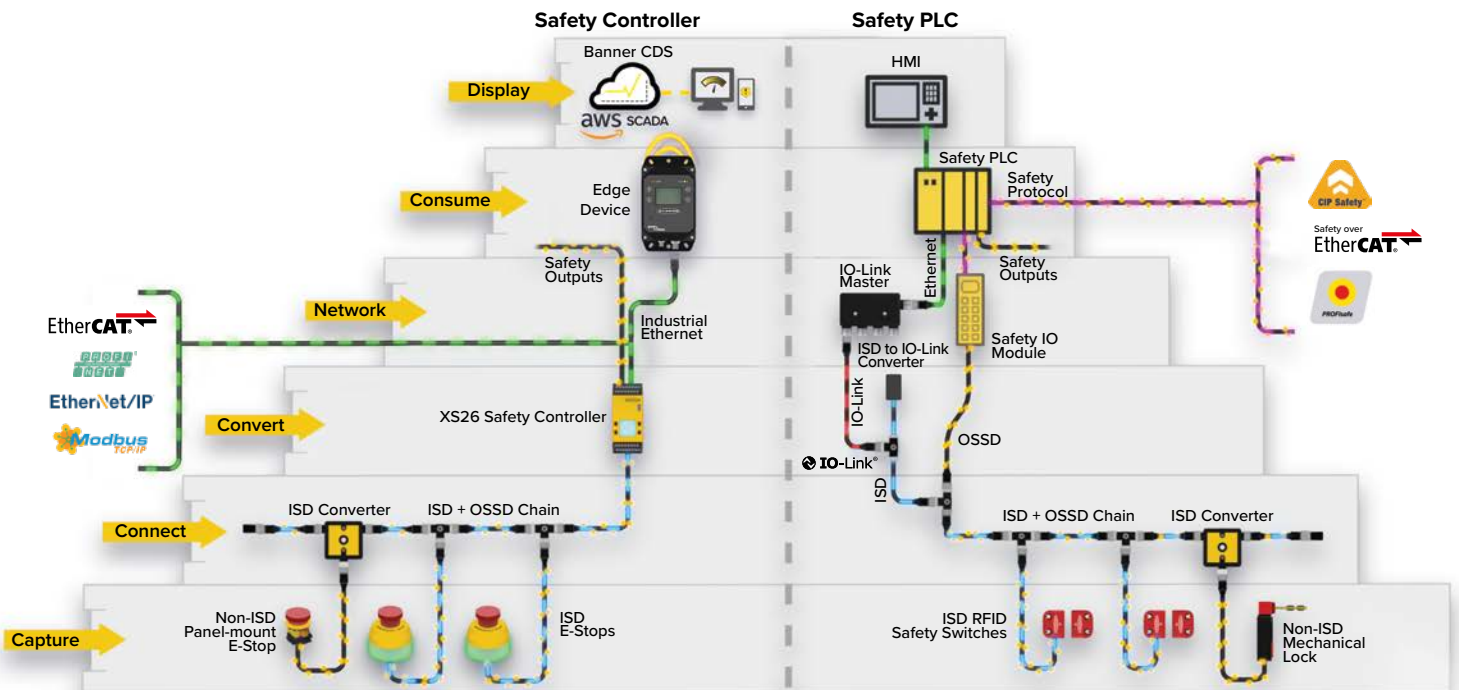


- Banner's Pro Editor Software allows users to program device to be connected status, colors, animations, and much more for control via discrete inputs, bringing intuitive indication and interaction to the visual factory.
- Programmable RGB devices make supply chains more efficient by allowing you to standardize on one model that can be customized as needed.
- The application-based interface makes it easy to configure a device for a wide range of applications such as displaying machine warm-up time, indicating unique steps in an assembly process, showing distance and position information, and communicating multiple machine states.

## ISD In-Series Diagnostics (ISD)



- In-Series Diagnostics allows up to 32 devices in each in-series chain and communicate directly with the most commonly used PLCs.
- When a safety event occurs the system receives an alert that includes information about which safety device tripped, making troubleshooting a breeze.
- In-Series Diagnostics provides an array of additional data points for each in-series device used, including a unique tag value, internal temperature, voltage, and more, along with device-specific details such as the alignment and distance between a safety switch's sensor and actuator.
- Additionally, the system sends warning alarms if devices near tripping status, so issues can be addressed before your machine shuts down.



# New Products

Smart manufacturing is evolving—fast. Every month, we release new products that expand what's possible. From enhancing proven solutions to pioneering next-gen IIoT technologies, Banner is your trusted partner for durable, dependable solutions.

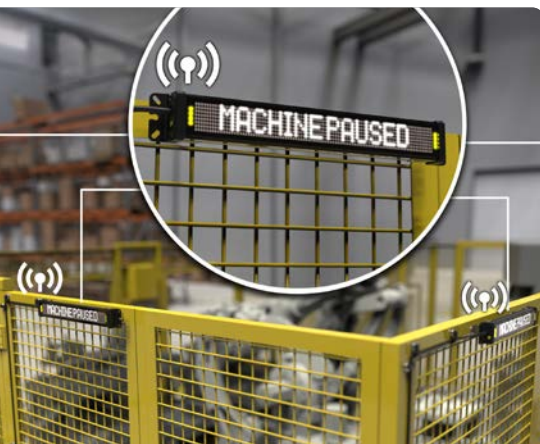


## Q20-2 Compact Laser Measurement Sensor

- Infrared laser sensor's best-in-class range uses time-of-flight technology to consistently and reliably detect challenging targets up to 3 m away
- Visible red alignment LED expedites and simplifies setup, and can be switched on or off
- Industry standard 25.4 mm mounting hole spacing on the compact housing makes mounting easy for both new builds and retrofitting equipment
- IO-Link streamlines control system integration and provides easy access to measurement values, delay timers, and advanced diagnostics

### Application Examples:

- Presence/absence detection
- Bin fill
- Distance measurement

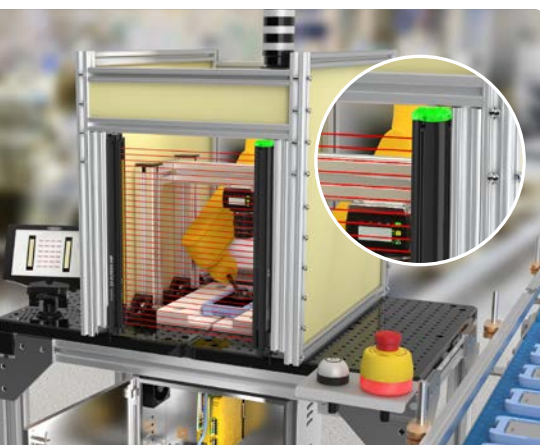


## SD50 Status Display

- Easily configurable, versatile display can be installed nearly anywhere, making it a simple yet powerful alternative to complex HMIs and other displays
- Discrete, IO-Link, and Modbus® models integrate into many different systems and applications, especially Banner sensing, safety, and monitoring solutions
- Reliable wireless performance built on Banner's proven wireless serial network technology, available in 900 MHz and 2.4 GHz model options

### Application Examples:

- Takt time
- Assembly instructions
- Equipment Status
- Counts and measurements



## S4B Heavy-Duty Type 4 Safety Light Curtain

- Optimized auto cascade saves installation and setup time
- Specially designed cordsets simplify installation and maintenance
- 14- and 30-mm resolution options offer safety protection for different applications
- Zone indication and weak beam strength indicators reduce commissioning time and help identify maintenance needs
- Easy muting capabilities refine system design and installation
- Endcap mounting and center mount brackets enable greater installation flexibility
- Coming soon: integrated illuminated endcap

### Application Examples:

- Robotic work cell guarding
- Automated palletizer entry protection

