

www.bannerengineering.co.in



Machine Safety

- Worldwide sales and distribution with global customer support and local specialist networks give the best solutions to your application
- Strong commitment to R&D, technology and innovation with over 15 % of employees dedicated to product development
- Over **20000 products** to solve a wide range of applications and provide customized sensing products for specific customer requirements in all industries
- Expert logistics together with local stock provide fast worldwide delivery
- Global market leader and number one brand name for photoelectric sensors in North America
- Within factory automation, Banner Engineering is recognized for its **high quality** standards
- Over forty years of engineering experience

Sensors

- Presence/Absence Detection
- Foreground & Background Suppression
- GO/NO GO Inspection
- Gating and Triggering
- Parts Counting
- Level and Distance Measurement
- Positioning
- Contrast and Colour Sensing

Vision

- Vision Sensors with Onboard User Interface
- Pattern Recognition
- Traceability (Barcode, Datamatrix and Text Reading)
- OCR/OCV
- Complex Part Inspection
- Part Orientation
- Assembly Verification
- Colour Inspections

Wireless I/O

- Slip Ring Replacement
- Tank Farm Monitoring
- Livestock Environmental Monitoring
- Water and Wastewater Treatment
- HVAC Remote Monitoring
- Traffic Monitoring & Control
- Remote Sensing in Process Automation
- Cable Replacement
- ATEX Approved Solutions

Lighting & Indicators

- Bin & Part Picking
- Error/Mistake Proofing
- Pick-to-Light & Put-to-Light
- Operator Guidance
- Call for Parts
- Incorrect Pick Signal
- Remote Start/Stop Indication
- Work lights and cabinet lighting

Machine Safety

- Safety Light Screens
- Optical Non-Contact Safety Systems
- Ergonomic Two-hand Control Devices
- Safety Modules
- Emergency Stop Devices
- Safety Interlocking
- Laser Scanners for Safety Applications

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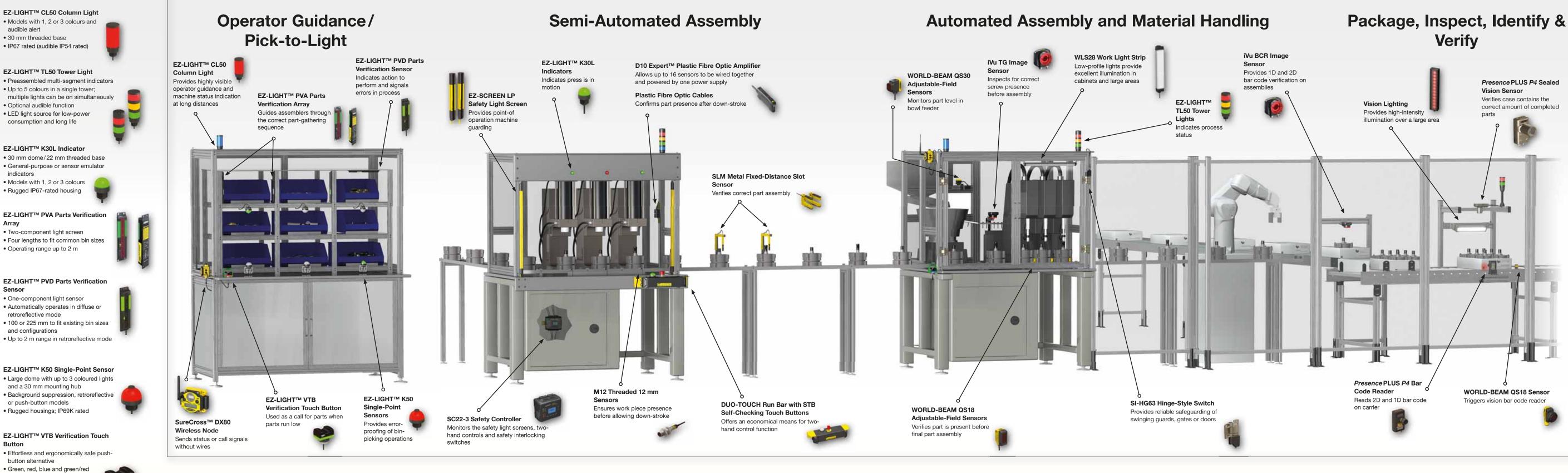
Banner Competencies

Productivity Solutions for Lean Manufacturing





more sensors, more solutions



combination job light options

Array

Sensor

Button

SureCross™ DX80 Wireless I/O Network

- Collects sensor data and communicates information back to a Gateway
- Analog and discrete I/O in a single unit
- 2,4 GHz or 900 MHz models with choice of antennas

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EZ-SCREEN LP Safety Light Screen

• Compact, rugged housing and flexible

dead zone

from 270 to 1810 mm

detection ranges up to 7 m

Cascade option for cost-effective

installation of multiple light screens

mounting options for a precise fit with no

• 14 or 25 mm resolution; defined areas

Response times as fast as 8 ms with

SI-HG63 Hinge-Style Switch

- Full 270° range of motion
- In-line and right-angle hinge
- Corrosion-resistant stainless steel
- Axial and radial load support of 1200 N

DUO-TOUCH Run Bar with STB Self-Checking Touch Buttons

- Convenient means for safeguarding when interfaced with Two-Hand Control Modules
- Ergonomic design for reduced hand, wrist and arm stress Two diverse-redundant microcontroller-based STB Self-Checking Touch Buttons
- Easy configuration with built-in front panel LCD display or PC Interface Models for direct connection to Ethernet/IP[™] and Modbus/ TCP industrial networks

SC22-3 Safety Controller

- 22 input terminals can monitor both contact-based or PNP solid-state outputs
- Control reliability up to SIL CL3, SIL 3, PL e and Type 4 • 3 pairs of solid-state safety outputs and 10 configurable auxiliary status outputs

D10 Expert[™] Plastic Fiber Optic Amplifier

- Side-by-side mounting and simplified wiring Digital display of signal strength and operating
- status
- Push button for easy programming

Plastic Fibre Optic Cables

- Inexpensive and easily cut to length during installation • Very bendable, for a precise fit
- Individual or bifurcated styles for opposed or diffuse sensina

SLM Metal Fixed-Distance Slot Senso

- Eight slot widths, from 10 to 220 mm
- Sealed metal housing; rated IP67 • Yellow painted or nickel-plated housings



WORLD-BEAM QS30 Adjustable-Field Sensor

- Advanced background and foreground suppression technology
- Adjustable setpoints from 50 to 600 mm
- Midsize, right-angle housing with 30 mm threaded lens or side mount

WORLD-BEAM QS18 Adjustable-Field Sensor

- Compact housing with side mounts • Advanced background and foreground suppression technology
- Adjustable setpoints from 20 to 300 mm • Visible red LED or laser sensing beam

WORLD-BEAM QS18 Sensor

- Universal housing with 18 mm threaded lens or side mounts
- Available in all sensing modes and ranges to 20 m
- Rugged sealed housing, protected circuitrv

Presence PLUS P4 Sealed Vision Sensor

- IP68 rated to withstand dust, moisture and washdown
- Compact and durable housing to tolerate shock and vibration
- A complete suite of location, inspection, analysis and geometric tools
- Ethernet, serial, flexible discrete I/O, real-time video output and ActiveX controls

iVu Series Image Senso

- No PC required
- Easy configuration: install/connect iVu select sensor/bar code type, acquire image and set inspection parameters
- Three sensors in one rugged package: Blemish Match and Area
- Models for 1D and 2D bar code reading
- Compact, rugged housing available with or without an integrated ring light

Presence PLUS P4 Bar Code Reader

- Standard or high-resolution 1.3 megapixel models
- Proven user interface common to all Presence PLUS sensors



Vision Lighting

- Complete selection of lighting, including ring lights, backlights, area lights, on-axis and more
- Infrared, red, white, blue or green LEDs with continuous or strobed operation, and intensity control
- Sealed (IP68) and non-sealed (IP50) housings
- LEDs for up to 50,000+ hours of maintenance-free illumination



M12 Threaded 12 mm Sensor

- Opposed, retroreflective, diffuse and fixed-field sensing models
- Visible red sensing beam for easy alignment
- IP67 rated for harsh environments



