A photograph of a Banner EZ-ARRAY measuring light screen. The device consists of two parallel aluminum extrusion profiles. The top profile is labeled 'BANNER A-GAGE EZ-ARRAY' and has a yellow cable connected to its end. The bottom profile is also labeled 'BANNER A-GAGE EZ-ARRAY' and has a black connector. A series of vertical red laser lines are projected from the top profile onto a dark surface below. The background is a bright yellow.

**BANNER**<sup>®</sup>

## **EZ-ARRAY™**

### **Measuring Light Screen**

- **Two-piece** design with integrated electronics eliminates the need for a controller
- **Resolution** of 5 mm and 2,5 mm for edge guiding, allowing high precision detection
- **Sensing distance** ranges from 400 mm up to 4 m
- **Measuring heights** range from 150 mm up to 1800 mm in 150 mm increments to cover all configurations
- **Visual aspects feature:**
  - 3-LED status indication
  - 3-digit display giving advanced diagnostics
  - 7-segment bar graph for alignment and blocked zone indication
- **Multiple output** options:
  - x2 digital (PNP & NPN)
  - x2 analogue (4-20 mA or 0-10 VDC)
  - Serial Modbus communication
- **Robust aluminium housing** with metal end caps and M12x1 connector (standard); brackets and T-nut slots allow flexible mounting
- **Convenient configuration** through DIP-switch setup or included software allows advanced settings

## **EZ-ARRAY™**

# **Solving complex applications using simple set-up**

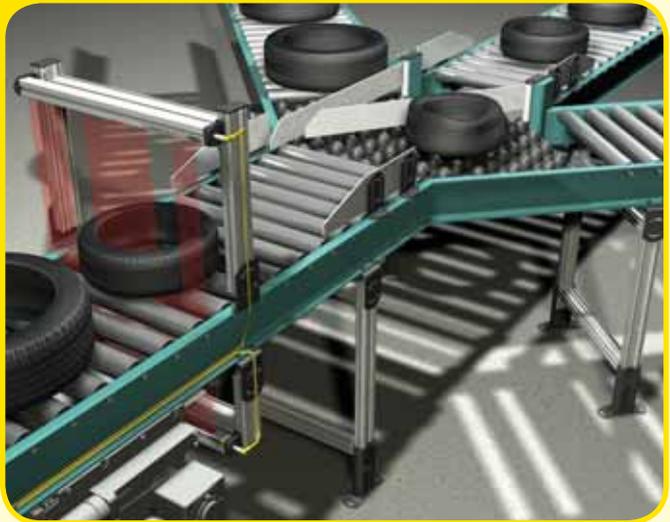
## Box Profiling



**Objective:** Measure height, length and width of boxes for storage and collect profile information for shipping.

**Description:** The boxes pass through vertical, horizontal or perpendicular mounted EZ-ARRAY pairs to determine where the proper storage location should be.

## Tyre Sorting



**Objective:** Determine tyre size on a conveyor.

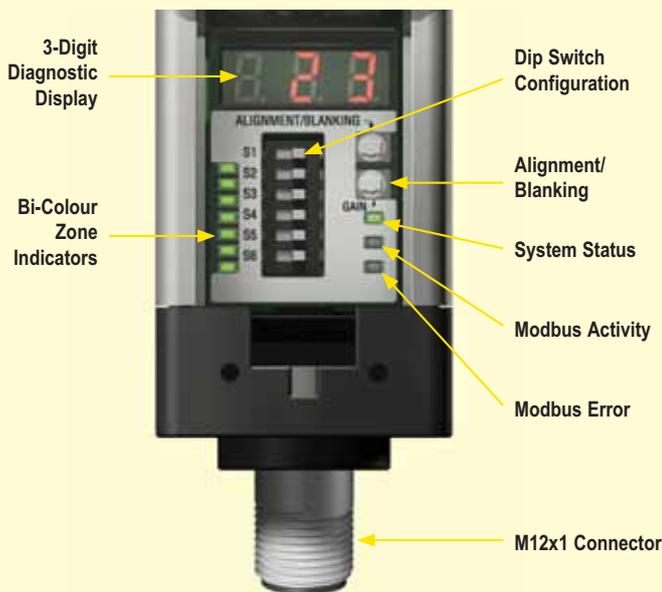
**Description:** The outer and inner diameter of each tyre is determined. The controller determines if the tyre is one of two required sizes, and directs it down the corresponding conveyor. If the tyre is found to be of neither size, it is sent to a reject bin.

## Log Diameter



**Objective:** Determine the diameter of a log before it has entered a station used for bark removal.

**Description:** An EZ-ARRAY determines the diameter of the log by the total number of beams blocked, to adjust the log grippers and bark removing blades for process stability.



# BANNER®

Authorised distributor:

## SENSORS



## SAFETY



## VISION



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