

VI. APPLICATIONS

Logistics Conveyors

ZA-BL500x | ZA-BL1000x



Model	ZA-BL500x	ZA-BL1000x
Sensing distance	35 ... 500 mm	50 ... 1000 mm

Logistics conveyors are typically 400...800 mm wide, necessitating sensors with long-distance detection capability.

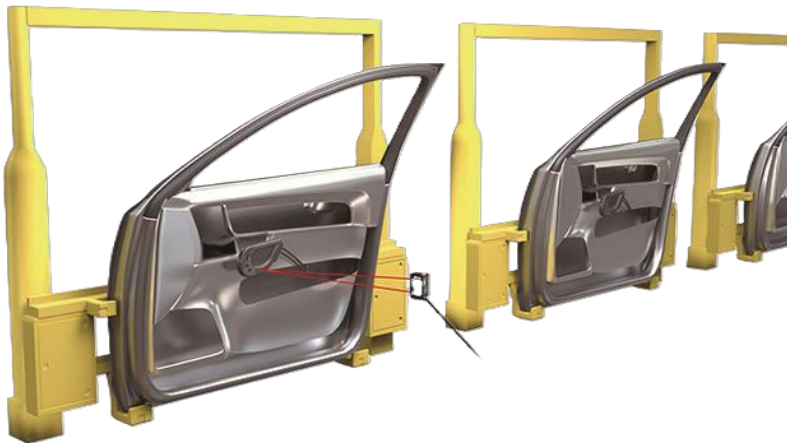
Furthermore, thin plastic bags cannot be reliably detected in retro-reflective configurations, requiring the use of background suppression sensors.

The ZA-B series offers long-distance background suppression and is well suited for this application.

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Automotive Door Component Installation Check

ZA-BL500x | ZA-BL1000x



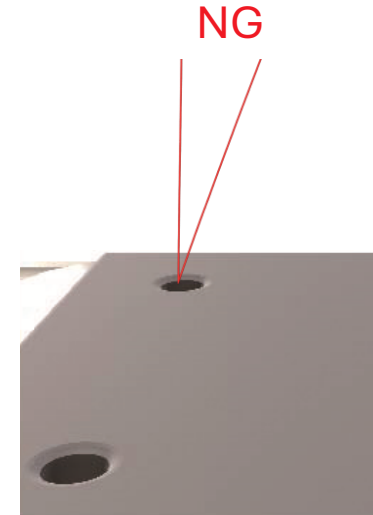
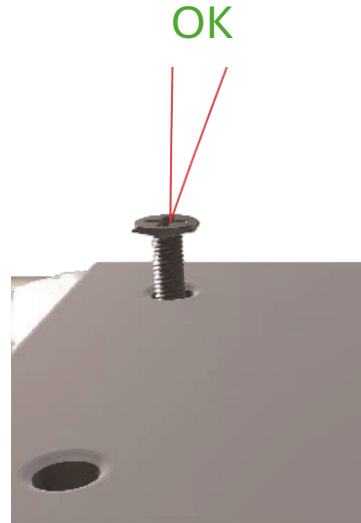
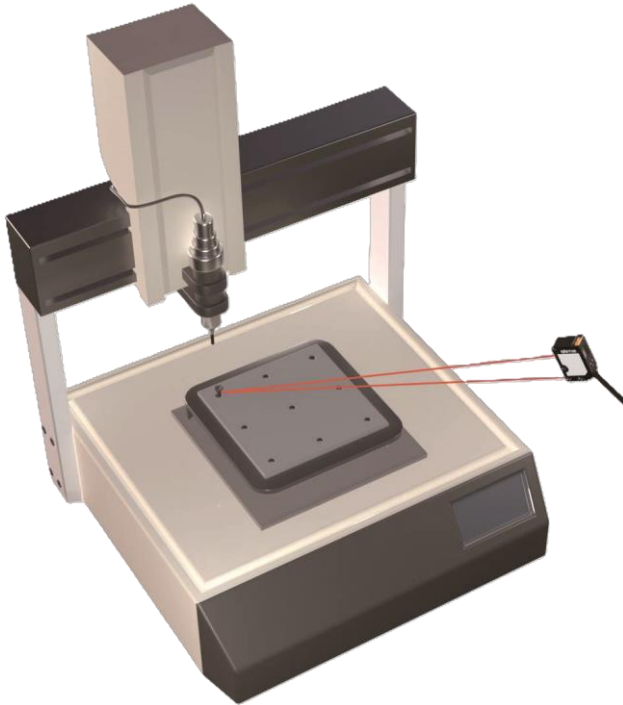
Model	ZA-BL500x	ZA-BL1000x
Sensing distance	35 ... 500 mm	50 ... 1000 mm

The sensor confirms proper installation of automotive door components from a suitable distance.

VI. APPLICATIONS

Pre-Tightening Screw Check

ZA-BL500x | ZA-BL1000x



Screw tightening and press-fit machines are typically semi-automatic, with operators manually setting small parts such as screws.

To keep sensors outside the operator's working area, a detection distance of approximately 500 ... 800 mm is required.

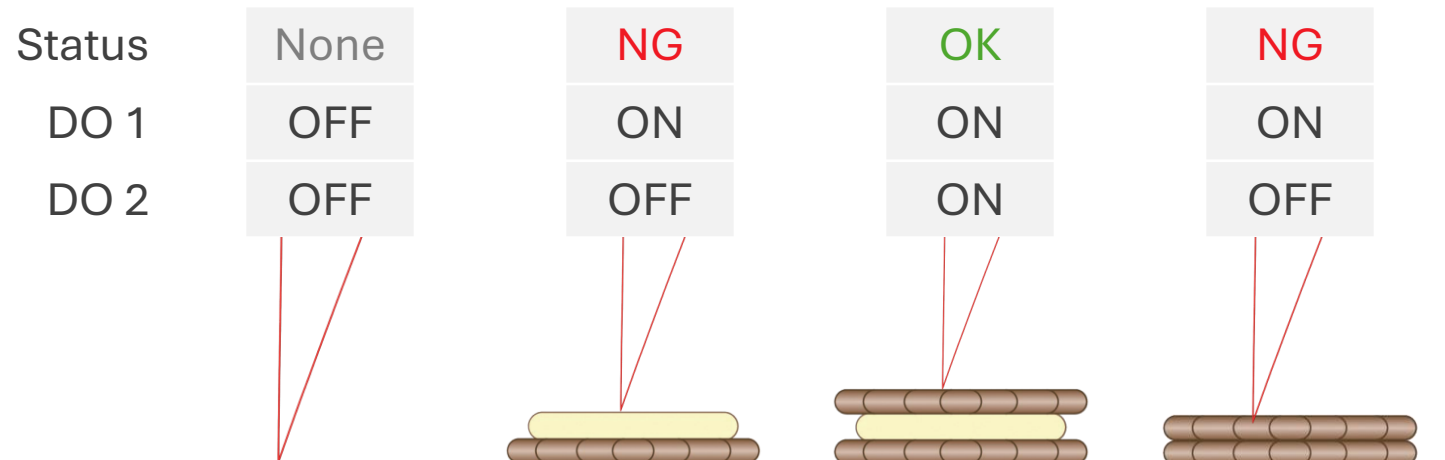
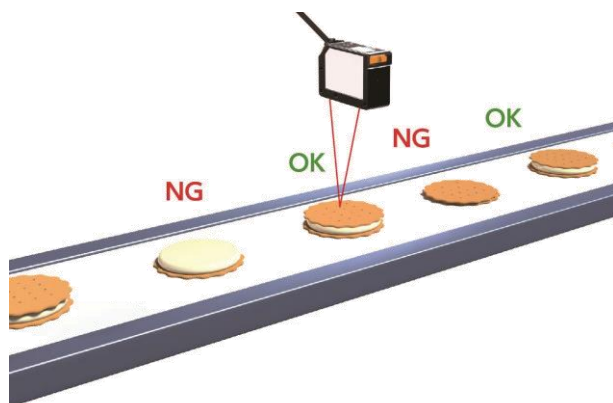
High-precision displacement measurement is not required for this type of application.

Stable ON/OFF detection over a medium to long distance is sufficient.

VI. APPLICATIONS

Biscuit Quality Inspection

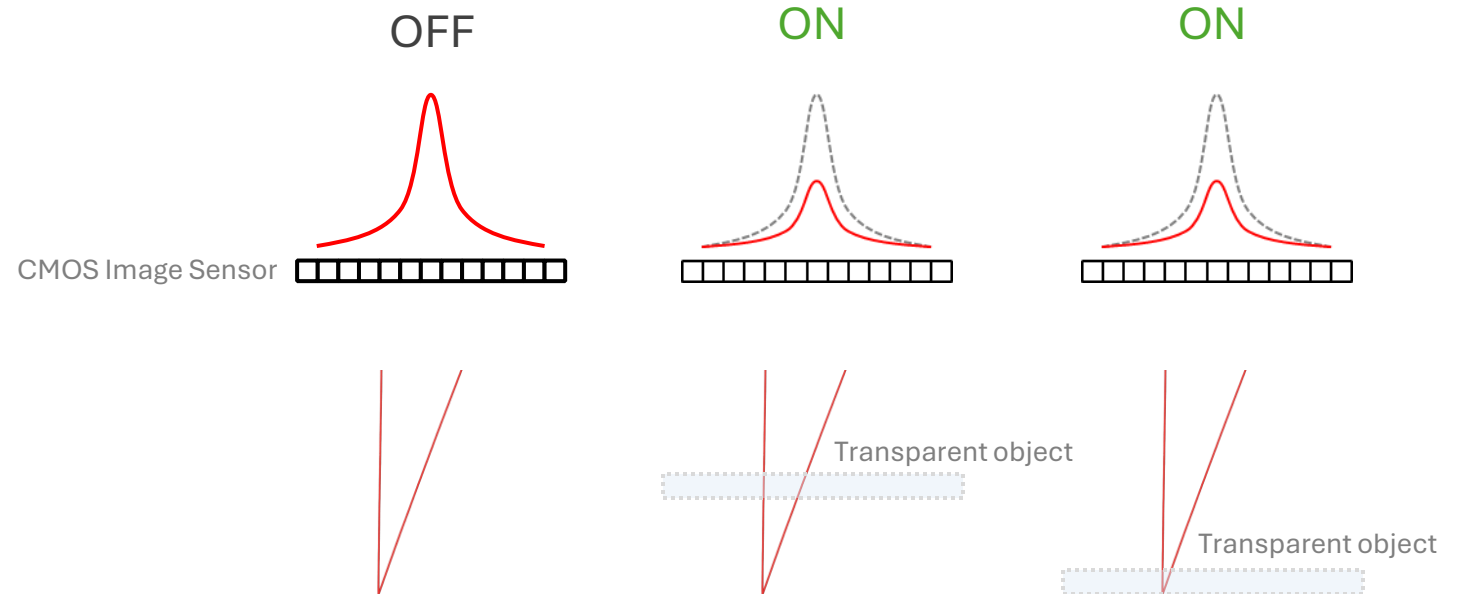
ZA-BLxD



With the 2xDO type “ZA-BLxxxD”, a single sensor enables simultaneous detection of biscuit presence or absence and identification of defective products.

VI. APPLICATIONS

Beverage Processing ZA-BLx



Transparent objects can be detected with a background present by teaching the background distance and received light level, and detecting changes in the received light level.