

## Photoelectric Sensor with Wide Detection Field

TURCK's Wide Beam Sensor Banner B25 reliably detects even the smallest and most transparent objects

Mülheim, October 9, 2025 – With the B25 Wide Beam Sensor from its partner Banner Engineering, TURCK offers a robust solution for the precise detection of even the smallest and most transparent objects. The wide beam sensor was developed for applications in which conventional light barriers reach their limits, such as on conveyor belts. With a 25 mm wide light beam and a range of 2 m, the B25 reliably detects even objects with irregular shapes or reflective edges. Users benefit from easy integration into existing systems and high process reliability without time-consuming adjustments.

The one-button teach function with automatic sensitivity adjustment is the simplest commissioning option for the B25. Additional teach options and the IO-Link interface enable the communication of additional data for networked applications. Its robust design with IP67 protection and flexible cable outlet ensure reliable operation even in dusty or vibration-intensive production areas.

Thanks to smart sensor technology, the B25 wide-beam sensor automatically learns the characteristics of conveyor belts and filters out interference such as film seams or insert tabs. This reduces false triggers and increases accuracy in detecting package edges or small components. Maintenance outputs signal the need for cleaning at an early stage, thus contributing to high system availability.

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Turck1425.jpg:

With its 25 mm wide light beam, the B25 reliably detects even small objects

### ADDITIONAL INFORMATION

<https://www.turck.de/en/product-news-2860-photoelectric-sensor-with-wide-detection-field-51720.php>

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