

SICK.COM



CASE STUDY

WINNING THE CLEAR VIAL DETECTION CHALLENGE

How W4S outperformed the competition in clear vial detection

SICK

Sensor Intelligence

W4S: RELIABLE DETECTION

An OEM customer faced a critical issue on their powder filling and weighing machine: detecting clear vials reliably. The existing solution was falling short on performance, and the cost was straining budget. They needed a sensor that could deliver strong detection at a competitive price.

When the salesperson visited, they listened carefully to the customer's concerns. Then, SICK introduced the W4S sensor, specifically the Line Spot variant. This compact sensor promised better performance and a lower price point—exactly what the customer was looking for.

The W4S was put to the test. The results spoke for themselves: it outperformed the competition in detecting clear vials, proving both reliable and cost-effective.



ADVANTAGES OF THE W4S

—> SUPERIOR DETECTION PERFORMANCE

Designed to reliably detect challenging objects like clear vials, which are often problematic for standard sensors. The Line Spot variant provides enhanced detection for transparent or reflective surfaces.

—> COMPACT SIZE

Small footprint makes it easy to integrate into tight spaces on machines. Perfect for applications where space is limited but precision is critical.

—> EASY INTEGRATION

Simple wiring and configuration for quick setup. Compatible with existing systems, minimizing installation complexity.

—> ROBUST AND RELIABLE

Built for industrial environments with consistent performance under varying conditions. Reduces downtime and improves machine efficiency.



AFFORDABLE AND COMPACT

The W4S was more affordable than similar products. And its compact design allowed for easy integration into the customer's application.



SUPERIOR PERFORMANCE

Detecting transparent or clear objects is one of the toughest challenges for photoelectric sensors because light passes through the object instead of reflecting back. Many sensors struggle with this, leading to false triggers or missed detections.

Learn more about the W4S

sick.com/W4

