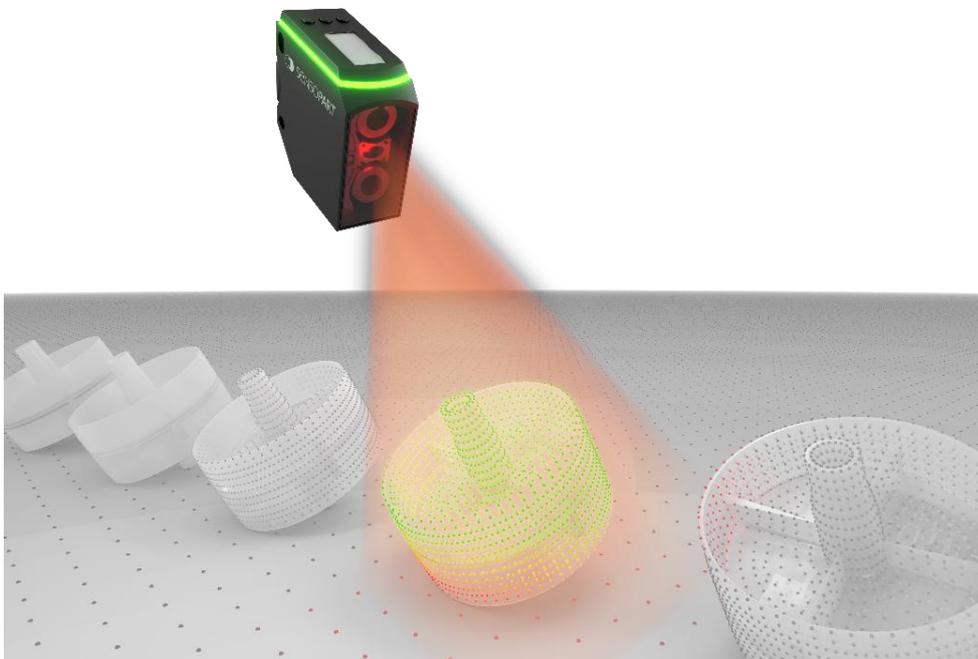# PRESS RELEASE

A press release by SensoPart Industriesensorik GmbH, Gottenheim near Freiburg/Breisgau, Germany

The New DTECT® Object 3D from SensoPart: The Next Generation of Object Detection

Gottenheim, November 25, 2025 – SensoPart is expanding its portfolio in the field of industrial sensor technology and revolutionizing object detection with a completely new product concept. This innovative solution combines the flexibility of a smart camera with the ease of use of a 1D sensor in a compact device – and in 3D.

The new DTECT® Object 3D is designed for a wide range of users in automation technology, including maintenance technicians, electrical and mechanical engineers, and commissioning engineers. Using patented stereo technology with structured light, the device accurately measures volume information regardless of reflectivity and reliably detects even dark or hard-to-see objects.

Easier Than Ever: Intelligent Position Control and Completeness Checks

Whether on vibratory conveyors or in assembly, DTECT® Object 3D makes it faster and easier than ever to reliably detect the position or completeness of objects.

For example, the system can accurately determine whether an object is lying prone or supine on vibrating conveyors. The desired "good" or "bad" condition can be set at the touch of a

button, often eliminating the need for complex separation mechanisms—saving both time and costs.

The solution also excels at checking the completeness of containers or assemblies: deviations are reliably detected without complex parameterization. This makes the system ideal for flexible production processes where efficiency and precision are essential.

Two Versions for Maximum Application Flexibility

- Close-Range Version (up to 200 mm): Ideal for completeness or presence checks on objects in plastics and assembly technology or on vibratory conveyors
- Long-Range Version (up to 500 mm): Optimal for completeness checks packaging technology or for presence checks on conveyor belts

The intuitive operation of DTECT® Object 3D is supported by a color display on the device. The buttons allow quick adjustments of the field of view or relevant height to match the application—no external software required. After teach-in, the operating status or sensor result ("good/bad") is displayed via the illuminated frame surrounding the device. Additional settings can also be easily configured using SensoTune software.

Powerful technology, compactly packaged

- Up to 100 fps for high-speed processes
- M12, 5-pin connection for easy integration as with standard sensors
- Compact F55 housing – robust and proven
- Multiple patented depth imaging technology
- Intuitive color display with depth image visualization

With this solution SensoPart reinforces its commitment to making complex sensor technology as easy as possible for users to use – object detection reimagined.

About SensoPart Industriesensorik GmbH

SensoPart develops, manufactures, and distributes a broad range of innovative sensors for factory automation. Its focus is on optoelectronic sensors and camera-based vision sensors used in industrial applications, such as object or color detection, distance measurement, code reading, and robotics. All products are designed and manufactured in Germany at the company's headquarters in Gottenheim, near Freiburg, and in Wieden in the southern Black Forest. With eight subsidiaries and a network of more than 40 international sales partners, SensoPart has a global presence.

Since its founding in 1994, the family-owned company has stood for flexibility, innovation, and high-performance products. SensoPart has received numerous awards, including first place in the Automation Award and multiple German Sensor Application Awards.

For more information, visit www.sensopart.com