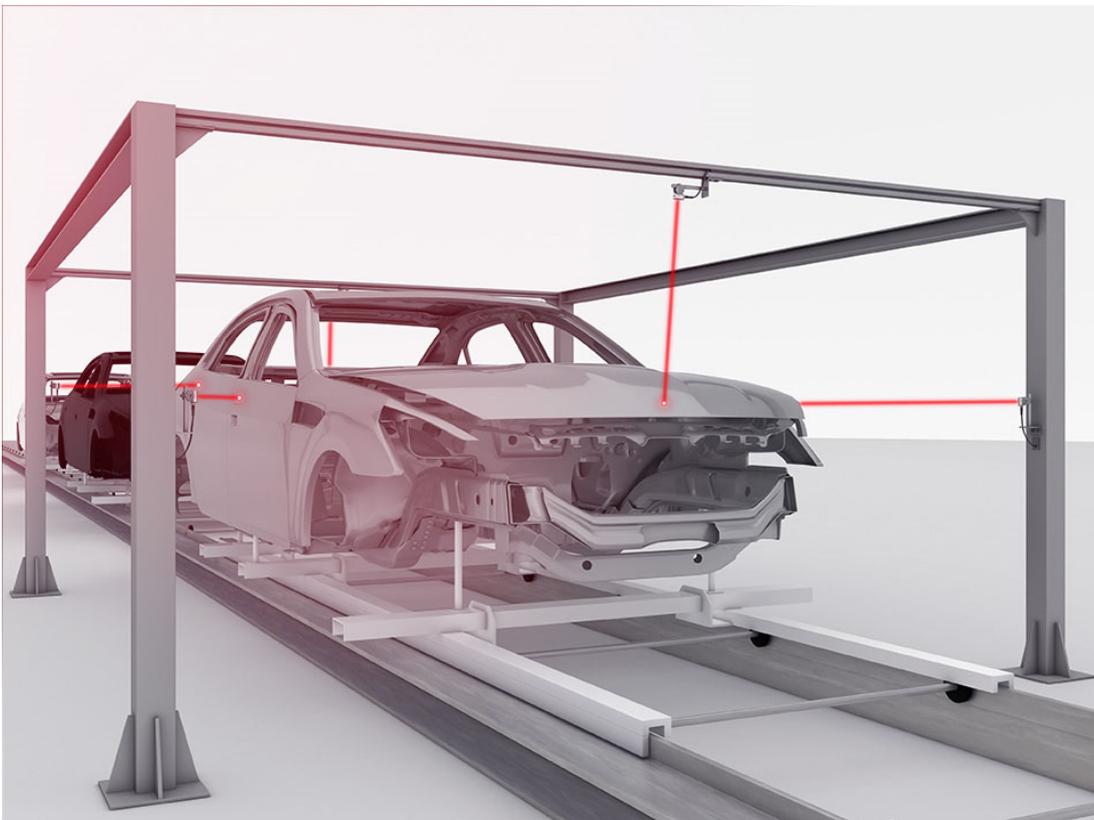


A press release by SensoPart Industriesensorik GmbH, Gottenheim near Freiburg/Breisgau, Germany

## High scanning range in miniature housing

Gottenheim, September 2022 – It might not be any taller than a matchbox, but it has what it takes: SensoPart's FT 25-RLHP time-of-flight sensor – using visible red light – detects even the smallest objects at a range of up to 1.5 metres.



Time-of-flight sensors can cover considerably longer distances than conventional triangulation proximity sensors. They simultaneously also offer a very high level of detection efficiency, regardless of the shape, colour and surface finish of the object being scanned. Even with critical backgrounds, such as reflective waistcoats, signal lamps or shiny metal struts, the time-of-flight method always supplies a clear receiver signal.

SensoPart has now succeeded in integrating this complex optical measuring method in a space-saving miniature housing (dimensions 34 x 20 x 12 mm). This means that the sensor can be easily installed in systems with limited space. Its light spot is extremely small and precise yet clearly visible, making sensor alignment noticeably simpler in any application. Equipped with a class 1 laser, the sensor is safe to use without any precautions.

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Despite a long measuring range of 1500 mm, the sensor functions with utmost precision. Thanks to minimal hysteresis, it detects even the smallest objects with very good repeatability. Furthermore, a window mode – activated by push button – enables area monitoring: any irrelevant distance measurements can be masked, for example the foreground and background of a conveyor belt.

High-speed or high-precision applications are no challenge for the sensor. The customer can quickly and easily set the switching frequency with which the sensor is to operate.

In addition to a digital switching output, the FT 25-RLHP has the latest future-proof IO-Link interface 1.1.3. and a state-of-the-art smart sensor profile.

## Wide range of applications

These characteristics make the FT 25-RLHP a true all-rounder that can be used in all sectors of industry – particularly in applications requiring both long-distance scanning ranges and reliable detection. Typical examples are checking the occupancy of storage bays in high bay warehouses, checking the position of components in assembly processes or when controlling material flow, e.g. in the automotive industry, or extended safety assurance testing for autonomous vehicles. Sensopart's new miniature time-of-flight sensor is now immediately available.

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### About Sensopart Industriesensorik GmbH

Sensopart develops, produces and sells a wide range of innovative sensors for factory automation. The main focus is on optoelectronic sensors and camera-based vision sensors, which are used in industrial applications - e.g. for object or color detection, distance measurement, code reading or in robotics. The company's products are developed and manufactured in Germany, at the plants in Gottenheim, near Freiburg-im-Breisgau, and Wieden in the southern part of the Black Forest. With four subsidiaries and a network of 40 international sales partners, Sensopart is present worldwide.

Founded in 1994, the family-run company is synonymous with flexibility and stands for innovative and high-performance products. Sensopart has received numerous distinctions for its work, for example 1st place in the Automation Award and is multi-time winner of the German Sensor Application Prize.

For further information about Sensopart, visit [www.sensopart.com](http://www.sensopart.com).