

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

SensoPart honored by Vision Systems Design 2022 Innovators Awards Program

SensoPart, German sensor manufacturer, announced today that its **VISOR® Vision Sensor with Advanced Result Processing Capabilities** was recognized among the best in machine vision by the judges of the Vision Systems Design 2022 Innovators Awards program. The judging panel consisted of esteemed experts from system integrator and end-user companies.



In the global automation of industrial processes, vision sensors like the VISOR® make vast numbers of decisions every second. For example, whether a part has been correctly and completely assembled, whether it is correctly positioned or whether it has been correctly identified. In many of these cases, these decisions can be brought about by a simple, logical linking of individual detector results. These capabilities, combined with the ease of use, mean that vision sensors are becoming more and more popular with users, who are looking to solve increasingly difficult tasks as time goes on. Here, however, more complex links of detector results are necessary to achieve a safe and reliable good/bad decision.

Other vision sensors only allow simple logic operations, furthermore they have no memory the user could access – with each new trigger signal everything is forgotten. Therefore, applications that rely on more complex decisions can only be solved by programming the necessary operations in the PLC.

With firmware update Version 2.6, the VISOR® Framework receives new advanced result processing capabilities. Much more complex applications can now be evaluated with an easy-to-use vision sensor. With the "Result Processing" detector, results from other detectors can be flexibly linked and thus, for example, calculations can be performed, character strings can be processed and compared, or logical decisions can be made. The unique possibility to store and access "Static variables" extends the range of possible applications for low cost and easy to use vision sensors widely.

“Thanks to more than 50 integrated operators, the possibilities for processing results in VISOR® are extremely diverse and go well beyond what has been offered so far in this product and price class.” said Mark Hintze, Vice President of SensoPart Inc.

“Among other things, it is possible to calculate dimensions and positions of objects or to check the contents of different codes for consistency. The VISOR® can then tell the PLC, for example, whether any two holes are concentric with each other, whether the print labels on a box are always the same distance from the edge, whether part A has been mounted at the correct angle on part B, or whether the data matrix code on a drug package contains the same information as the adjacent plain text imprint.”

“The Vision Systems Design team would like to congratulate SensoPart for their score in the 2022 Innovators Awards program,” says Chris Mc Loone, Editor in Chief. “Each year this unbiased and increasingly competitive program aims to celebrate the most innovative products and systems in machine vision. The SensoPart team should be very proud.”

About Vision Systems Design

Published since 1996, Vision Systems Design is a global resource for engineers, engineering managers and systems integrators that provides comprehensive global coverage of vision systems technologies, applications, and markets. Vision Systems Design's magazine, website (www.vision-systems.com), email newsletters and webcasts report on and analyze the latest technology and business developments and trends in the worldwide machine vision and image processing industry.

About the Vision Systems Design 2022 Innovators Awards program

The Vision Systems Design 2022 Innovators Awards program reviews and recognized the most innovative products and services in the vision and image processing industry. Criteria used in the Innovators Awards ranking included: originality, innovation; impact on designers, systems integrators and end-users; fulfilling a need in the market that hasn't been addressed, leveraging a novel technology, and increasing productivity.

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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.