

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

## Vision sensor with face up/face down recognition

VISOR<sup>®</sup> – the one with a BLOB

The VISOR<sup>®</sup> vision sensor from SensoPart Industriesensorik has now extended its existing range of evaluation methods to include the so-called BLOB function, which enables the simultaneous detection of essential characteristics on several objects – e.g. position, orientation, surface, circumference and eccentricity. The BLOB function is available on both the monochrome and colour versions of VISOR<sup>®</sup>.



Setup and use of the new BLOB function (**B**inary **L**arge **O**bject) requires no knowledge of image processing: necessary parameters can be configured in the clear operating software in just a few mouse clicks – complex image processing tools will do the rest in the background. The objects on the screen can, therefore, be classified and counted according to adjustable characteristics, such as surface, contour, size, position and orientation. Typical applications involve the inspection of drill holes or feeding correctly sorted or positioned parts, as is frequently necessary with feeding and conveying systems.

VISOR® is currently the only vision sensor on the market to offer so-called face up/face down recognition, ensuring, for example, that parts are fed in the correct position. The new BLOB function is particularly effective when combined with colour detection, e.g. for sorting and differentiating coloured objects.

SensoPart's vision sensor is equipped with other standard evaluation methods (so-called detectors), e.g. for pattern, edge and contour detection, for contrast or colour differentiation or for object measurement. They can be combined as required. In the most basic case, a digital good/bad result is generated and supplied to one of the digital outputs. If additional information is required, it can be provided via one of the interfaces: the Ethernet interface supports EtherNet/IP and TCP/IP as well as Profinet IO. The VISOR® also comes with a RS232/RS422 interface and an encoder input.

More information on [www.sensopart.com/visor](http://www.sensopart.com/visor)

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## **SensoPart Industriesensorik GmbH**

The sensor manufacturer Sensopart, based in Wieden near Todtnau, and also in Gottenheim near Freiburg since 2001, develops, produces and sells sensors for industrial applications. The main focus is on optoelectronic sensors, particularly laser sensors, which are used in so many industrial applications, and high-performance vision sensors for the detection of objects, colours or data matrix codes. The past years have been marked by a strong growth in turnover and the regular launch of new, innovative products. Sensopart has received several distinctions for its work, for example the Dr. Rudolf-Eberle Prize, 1st place in the Baden-Württemberg Prize for the Promotion of Young Companies, and has been awarded the German Sensor Application Prize several times. Further information can be found online under: <http://www.sensopart.com>.