Detecting objects

Checking presence, inspecting completeness, counting and sorting

■■■ made in Germany

Is the object present? How is it lying on the belt? Is a detail missing or has it been incorrectly assembled? These and many other applications can be reliably automated with sensors from SensoPart.

The proximity or photoelectric sensors of the F 10, F 25 or F 50 series, or the fibre-optic sensors of the FL 70 series, are particularly suitable for object detection tasks. And our vision sensors in the VISOR series are a good choice for inspecting the completeness of complex objects because they can capture images with up to 255 features.
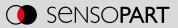
SensoPart also offers a wide range of products for special automation tasks, for example fork sensors and optical windows, inductive and capacitive sensors, as well as ultrasonic sensors.

Incorrect occupancy impossible:
The VISOR Color combines colour and object detection in a single device and can therefore simultaneously inspect the completeness of blister occupancy as well as occupancy with the correct colour.

Reliable detection of solar wafers:
The FT 10 Bluelight sub-miniature proximity sensor is specially designed for the detection of objects with strongly light-absorbing surfaces – particularly solar wafers. It is very easily integrated in production lines thanks to its tiny dimensions.

1		2		3		4

5		6		7		8

Application examples	Products
Correct orientation of feed-in of small parts	1 2
Counting parts on a vibration conveyor	3 5
Detection of metallic objects	3 6 7
Detection of IC pins	3 4
Presence of a bottle top	1 2 3
Detection of transparent media	3 7
Inspecting filling levels	4 6 7

1 VISOR® vision sensors
2 Eyesight – freely programmable vision system
3 Photoelectric and proximity sensors
4 Fibre-optic sensors and fibre-optic cables
5 Fork sensors and optical windows
6 Inductive & capacitive sensors
7 Ultrasonic sensors
8 Accessories