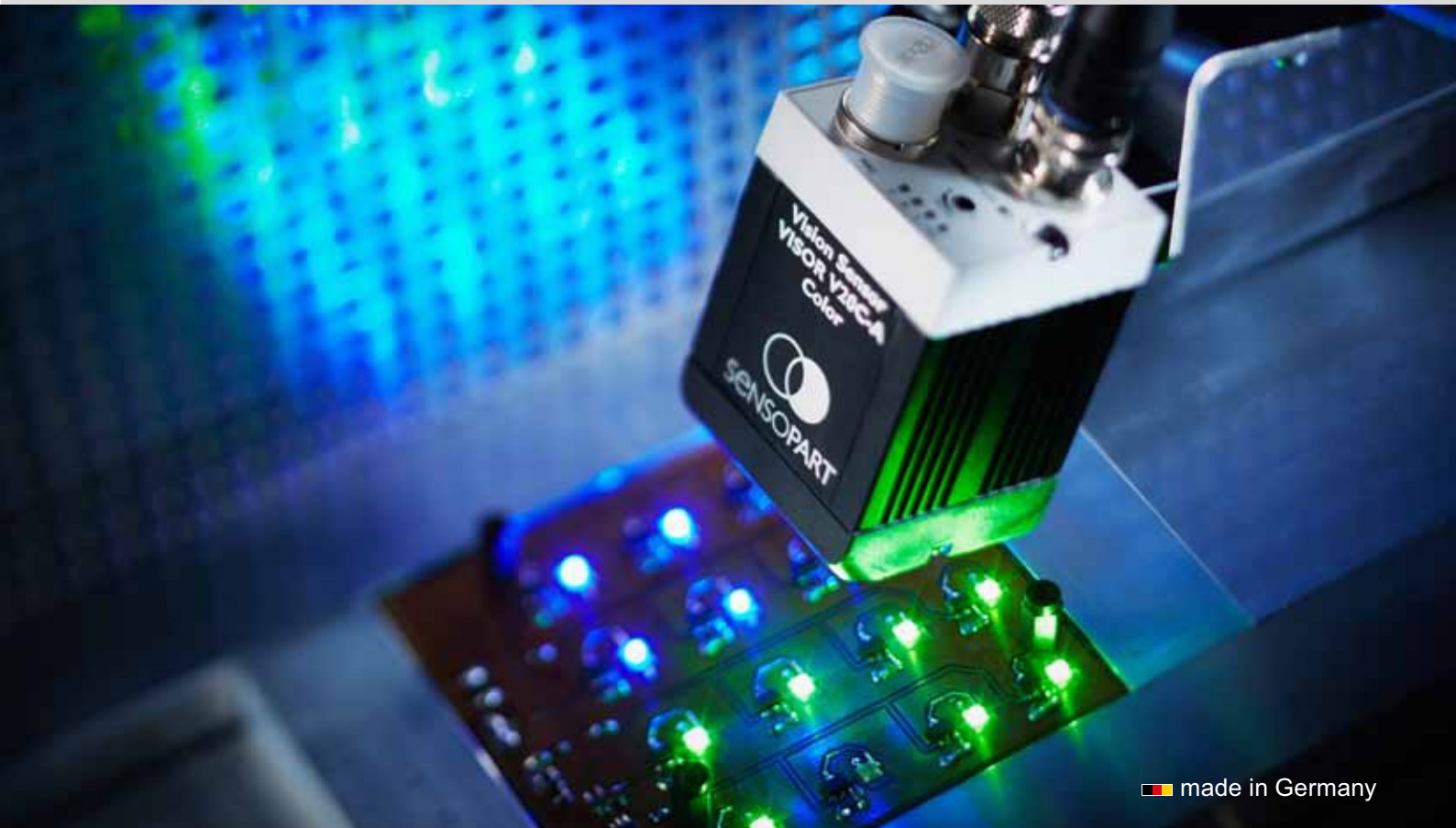# Detecting colours and contrasts

Checking the presence of coloured objects, detection of printed marks, inspecting LEDs, colours and luminescent objects

■■ made in Germany

Colour and contrast differences are important features for the detection and differentiation of objects. Sensors from SensoPart reliably detect coloured objects, printed marks or labels during production processes and quality assurance.

Our colour and contrast sensors are suitable for almost all relevant automation tasks thanks to their precise colour evaluation and high cycle frequency. SensoPart also offers a luminescence sensor for the detection of invisible luminescent colour marks.

Our vision colour sensors of the VISOR® Color series are particularly versatile. They offer very high colour selectivity and can also detect active (self-lighting) colours. The freely programmable Eyesight vision system offers even more comprehensive possibilities.

Reliable colour detection:
The main task of the FT 25-C RGB colour sensor is the detection of a defined colour. It can also be used in very rapid applications thanks to its high switching frequency of 10 kHz.

Detection of invisible marks:
Luminescent substances can be detected with the FT 50-C-UV ultraviolet sensor. The presence of the label is checked on the basis of the luminophore it contains. The clever mounting bracket makes it very easy to mount and align the sensor.

![SensoPart logo]

Application examples	Products
Detection of coloured bottle tops in filling plants	1 2 3 4
Checking the function and completeness of LEDs	1 2
Detection of print marks on endless packaging	3 6
Checking the presence of package leaflets or labels	5
Inspecting the quality of coated solar cells	1 2
Detection of glue dots on endless foils	3 5
Detection of printed marks	6

1 VISOR Color – vision colour sensor
2 Eyesight – freely programmable vision system
3 FT 25-C – RGB colour sensor
4 FT 50-C – white light colour sensor
5 FT 50-C-UV – luminescence sensor
6 FT 25-W/-RGB – miniature contrast sensors
7 IO Box – input/output expansion
8 Accessories