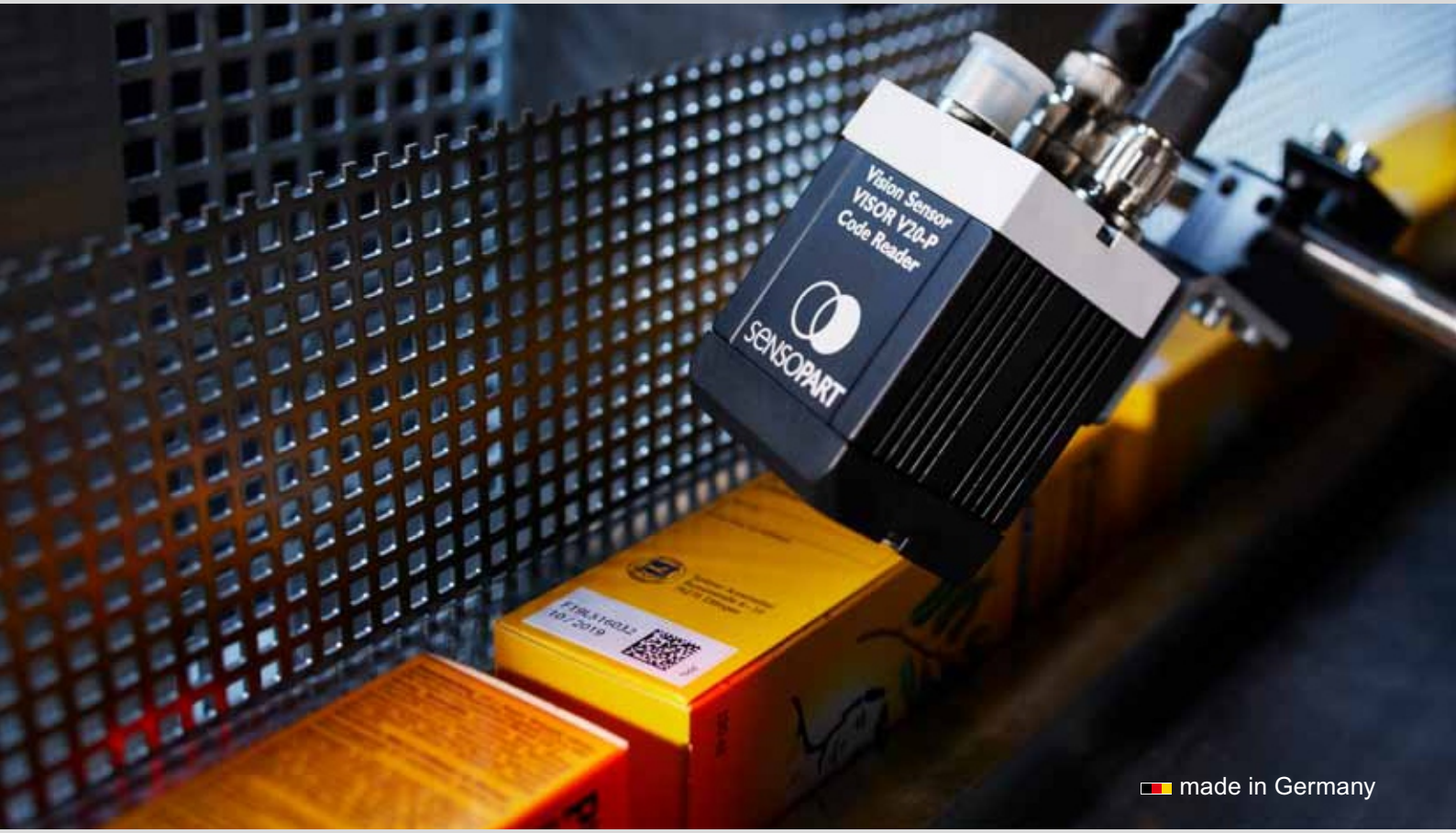
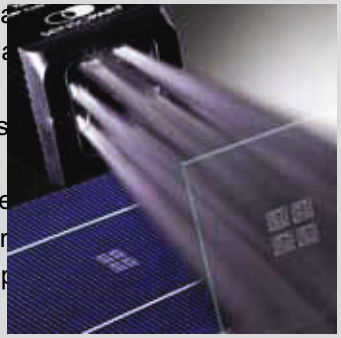
Identification

Reading of bar codes and data matrix codes, OCR, tracking of components, colour identification



The continuous tracking of parts and products plays an increasingly important role in industrial processes. This is why parts are provided with one- or two-dimensional codes that are either printed or directly marked on the part using dot peening or laser. Our code readers in the VISOR® series read numerous types of bar codes and data matrix codes. Even extremely small printed or marked codes on difficult substrates (wrinkled, reflective or rough for example) are reliably evaluated using a variety of optical and illumination variants.

Colour is another important feature for identifying parts. For this purpose, SensoPart offers both switching sensors and vision colour sensors, depending on the application (see Pages 6–7).



Codes on solar cells:
The VISOR® Code Reader allows the tracking of solar cells through the entire production process. The codes (invisible to the human eye) attached to the raw wafers are reliably and reproducibly evaluated even through several light-absorbing layers.

Identification by colour:
Shampoo bottles are sorted by type on the basis of the colour of the lid. The FT 50-C white-light colour sensor has special optics with a high depth-of-field and thus very reliably detects even moving or vibrating target objects.

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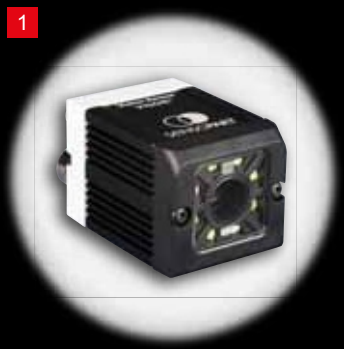

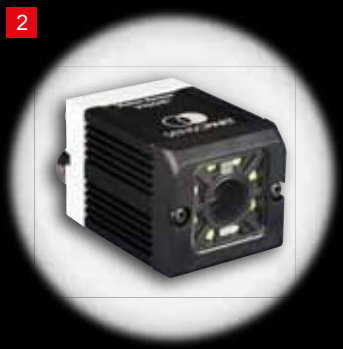

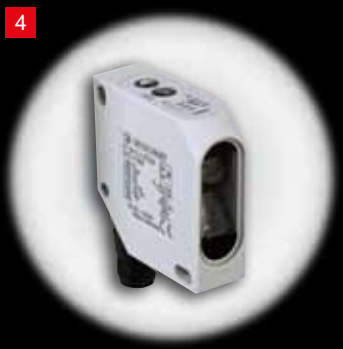

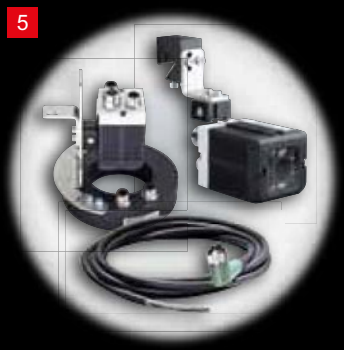

Application examples	Products
Reading bar codes and data matrix codes (printed or with direct marking)	2
Detection and sorting of coloured objects	1 3 4
Optical character reading (OCR)	2
Identification on basis of colour marks	3 4
Automated product tracking	2
Quality assurance (Q-parameter)	2

1 VISOR® Color – vision colour sensor
2 VISOR® Code Reader
3 FT 25-C – RGB colour sensor
4 FT 50-C – white-light colour sensor
5 Accessories