# Print perfect – the SICK print detector

Simple all-in-one pattern detection and quality checks

Waldkirch, November 2017 – SICK’s PSS print detector recognizes patterns with the help of a sensor. This sensor verifies the presence of printed images, such as serial numbers, best-before dates, and 2D codes. The detector also confirms overall print quality by checking against its taught-in reference print.

SICK’s new PSS print detector combines pattern recognition and quality checking functions, making it a cost-effective solution for automated print quality control systems. The detector is even able to recognize printed images in poorly lit conditions, on round surfaces, and at speeds of up to 4 m/sec. The main benefit of performing checks in this way is that any products featuring a defective print can be sorted out straight after the printing process has been completed. By providing on-the-spot information, the print detector also allows errors to be resolved quickly, avoiding any unnecessary machine downtime.

On a low sensitivity setting, the sensor will simply check that the required printed image is present, while on a higher setting, it can also check whether the image is too faint or incomplete.

Image: IM0074774.jpg
Pattern detection and quality checking, all conducted by a single sensor: the SICK print detector

SICK is one of the world’s leading producers of sensors and sensor solutions for industrial applications. The company, which was founded in 1946 by Dr Erwin Sick and has its headquarters in Waldkirch im Breisgau near Freiburg in Germany, is a technology market leader. With more than 50 subsidiaries and equity investments as well as many agencies, SICK has a presence all over the world. In the 2016 fiscal year, SICK had more than 8,000 employees worldwide and a group revenue of just under EUR 1.4 billion.
Additional information about SICK is available on the Internet at http://www.sick.com or by phone on +49 (0) 7681 202 4183.