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Object monitoring

Goods are detected safely and reliably on accumulating roller conveyors. SENSICK automation solutions for handling and warehousing systems, the packaging industry, food-processing, beverage and tobacco industries, and the chemical industry.



Fine positioning

Precise positions can be located and approached with millimetre accuracy. SENSICK automation solutions for handling and warehousing systems, for AGVs and for automated multi-storey car parks.



Detection of transparent objects

The presence of transparent objects such as films, glass jars or bottles can be detected reliably and economically. Offering a high degree of protection from problems associated with ambient light conditions and interference from other sensors, even at high speeds. SENSICK automation solutions for the beverage, food-processing, pharmaceutical and packaging industries. Now also available as a Teflon® version.



Color recognition

In packaging and printing processes, contrast and color differences can be detected quickly and accurately. Even color contrasts which are difficult to resolve can be processed. SENSICK automation solutions for the printing and paper-processing industry and packaging industry.



Detecting problematic surfaces

Glossy packaging materials and small, uneven and reflecting products are detected without difficulty even in high-speed applications. SENSICK automation solutions for the food-processing, pharmaceutical and chemical industries.



Component assembly and handling tasks

The position of extremely small parts or components are checked – even at inaccessible locations. With high speed and precision. SENSICK automation solutions for the electronics, food-processing and automotive industries.





Print-mark detection

Individual production and processing steps are recognised and communicated quickly and with high precision using print-marks. SENSICK automation solutions for the paper, packaging and food-processing industries.



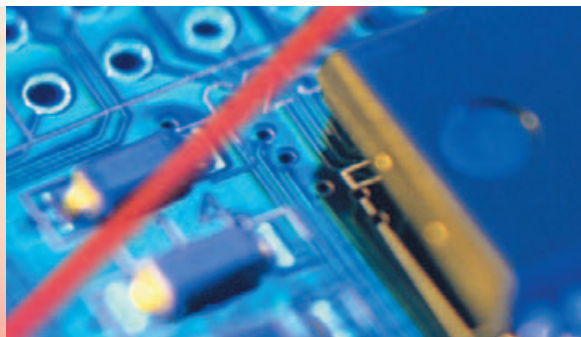
Quality assurance and final control of materials

Quality and final control is conducted by means of non-contact micro-range measurement. Material indentations and uneven surfaces are detected early on and checks are also performed to ensure that no elements are missing. Even with large numbers of units. SENSICK automation solutions for the automotive, electronics and semiconductor industries and robotics.



Detection in hostile environments

Certain processes can be reliably performed even under the most hostile ambient conditions. The answer to dust, dirt or caustic corrosive cleaning agents are sensors with metal housings and/or a Teflon coating. SENSICK automation solutions for the building material, beverage and food-processing industries.



Distance control

The distances and positions of crane systems or automated transport vehicles can be continuously determined and regulated. This is also possible and ideal for applications involving large distances. SENSICK automation solutions for the automotive industry, handling and warehousing systems, mechanical and systems engineering.



Precise detection of minute details even over great distances

The detection of minute differences in height or of extremely small objects, precise level detection or reliable position detection – even at high switching rates – are ideal tasks for laser sensors. SENSICK laser sensors use Class 2 lasers. No special protective measures are necessary.



Detection of invisible markings

Fluorescent substances are mixed with e.g. oils, greases and adhesives or attached to labels or cardboard boxes as luminescent control marks. SENSICK automation solutions for the printing and packaging, chemical and wood-working industries.

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