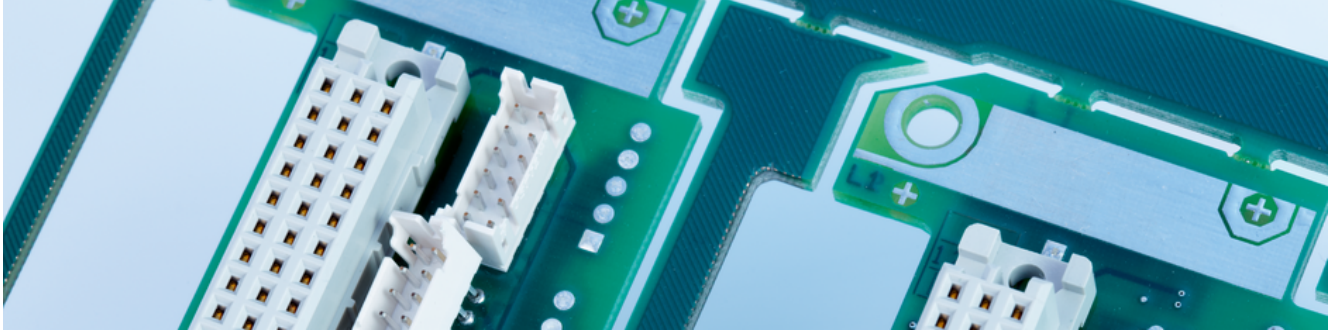# Pinspector 2D

Pin inspection – verifying the presence of pins and their position

QUALITY CONTROL SYSTEMS

SICK
Sensor Intelligence.

Advantages

Perfect match for industrial applications

The quality control system Pinspector 2D is a specialist in 2D pin inspection and also covers a broad range of inspection tasks – making it a great match for industrial 2D applications.

Multifunctional quality control system for 2D inspection of pins

The inspection of pin presence and position is a fast and reliable non-contact 2D solution for industrial use.

The Pinspector 2D locates, reads and validates bar codes and 2D codes within defined areas. It verifies the correct numerical sequence and checks the position of codes.

Innovative algorithms convert printed text into a digital form to verify its correctness.

Designed to ensure product quality with multiple advanced 2D inspections.

Modular and reliable design

The modular camera design includes exchangeable high-power lighting, a C-mount lens with an optional filter and a protective lens hood.
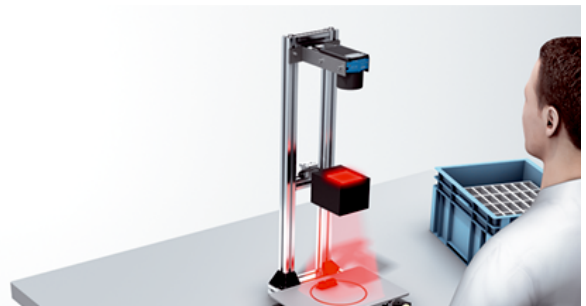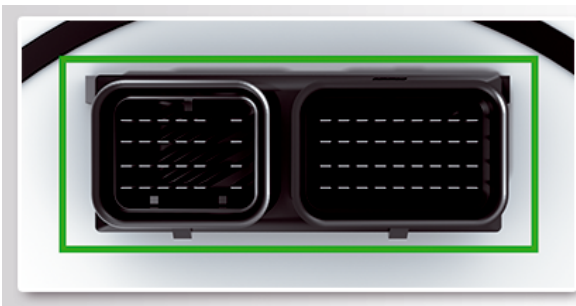
Extremely flexible

The modular camera design includes exchangeable high-power lighting, a C-mount lens with an optional filter and a protective lens hood.

Thanks to its rugged housing, the Pinspector 2D can operate under challenging environmental conditions such as disruptive vibrations, dust, high humidity and high temperatures for extended periods.

The Pinspector 2D is suitable for a large variety of 2D pin inspections due to its modular design and wide selection of inspection functions.

Easy to use, compact device

Inspection of pin presence and position with just one camera. The Pinspector 2D is suitable for a vast range of 2D inspection tasks but is easy to use. A web interface is included for fast access and easy control.

User-friendly set-up and handling

Simple set-up with easy parameterization from any system with a web browser. No need to install additional software.

The Pinspector 2D can save an almost unlimited number of inspection tasks on a microSD memory card – no need for reprogramming. Easy switching between jobs prevents downtimes.

✚ Easy set-up and handling of the Pinspector 2D enables simple integration in individual production processes.

Technical data overview

Industries	Automotive and parts suppliers Electronics and solar
2D code types	Data Matrix ECC200 QR code Micro QR code PDF417 Aztec
Ambient temperature, operation	0 °C ... +50 °C
Power consumption	± 20 %

Product description

Pinspector 2D is an easy-to-set compact quality control system designed for contactless pin inspection - verifying the presence of pins and their position. Thanks to its advanced inspections, the system also detects and sorts blobs according to pre-set parameters, reads and verifies 1D and 2D codes, provides OCR, OCV functions and measures dimensions. The specialization in the 2D pin inspection with the combination of additional inspections, makes it great match for the demanding applications.

At a glance

- Pin presence and position inspection
- Additional inspections: pattern matching, edge-to-edge measurement, pixel counter, blob inspection, shape locator, reading and verification of 1D and 2D codes
- Easy teach-in of connector pin patterns
- Web-based user interface
- Inspection statistics

Your benefits

- Compact all-in-one system
- Multifunctional by combining various inspections
- High reliability thanks to robust algorithms
- Easy set-up and configuration via web interface
- Flexible optical design
- Rugged housing, ideal for harsh ambient conditions
- Multiple programs and job switching

Fields of application

- PCB and connector manufacturing in automotive and part suppliers
- PCB and connector manufacturing in electronics and solar

Ordering information

Other models and accessories ➜ www.sick.com/Pinspector_2D

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

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