# Pinspector 3D
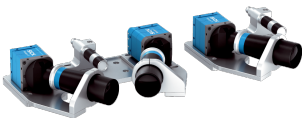
Pin and press-fit inspection – verifying the presence and position of pins

**SICK**
Sensor Intelligence.

# Pinspector 3D

## Technical data overview

| | |
|---|---|
| **Ambient temperature, operation** | 0 °C … +50 °C |
| **Supply voltage** | 24 V DC |

CE

## Product description

Pinspector 3D is a quality control system designed for highly precise contactless inspection of pin connectors and pins at termination sides of printed circuit boards after the press-fit process. The system integrates smart scanning technologies and Ranger3 streaming cameras from SICK for generating 3D imaging. Using these image data in a specially developed software, the system sorts out pins with incorrect parameters, thereby preventing faulty installation, cold joints, and missing or bent pins. In this way, it helps to reduce the amount of waste to a minimum and to save production costs. Measurement results can be edited, sent, and stored in the integrated database – according to customer requirements.

## At a glance

- Full-scale solution for the inspection of PCBs and pin connectors
- Rugged design suitable for industrial use
- Ranger cameras from SICK for high-precision 3D imaging
- Four versions – high value, fast inspection, and double-camera to prevent occlusion

## Your benefits

- Inspection of multiple PCBs and pin connectors with one system
- Fast and accurate inspection of x, y, z pin position
- User-friendly drag and drop interface with many possible measurement settings
- Low maintenance costs thanks to non-contact measurement
- History tracking – a wide range of logging and reporting options

## Fields of application

- Optimization of PCB and connector manufacturing processes in the automotive and parts supply industry
- Optimization of PCB and connector manufacturing processes in the electronics and solar industries

## Ordering information

Other models and accessories ➜ www.sick.com/Pinspector_3D

| Type | Part no. |
|---|---|
| PINS Duo | On request |
| PINS Duo-D | On request |
| PINS Duo-W | On request |
| PINS Mono | On request |

# 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:

Contacts and other locations –**www.sick.com**

SICK AG  |  Waldkirch  |  Germany  |  www.sick.com

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