



# SAC "Pulsar"

## Product Information

Version 1  
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# Pulsar

## 3D Machine Vision for Industry

Optical 3D measuring and object recognition has many advantages, particularly for measuring and inspecting complex 3D geometries. Especially in an industrial environment, the Pulsar system developed by SAC can leverage the advantages of the highly precise, areal scanning of 3D contours by means of structured light.

Pulsar combines high speed with large measuring volumes, which makes it ideal for industrial inspection tasks such as completeness, shape deviation, position of components, planarity control, and volume measurement.

The new generation of the Pulsar system builds on an inspection unit that has been used in the industry for years. With a higher resolution and more brightness, measuring has now become even more precise and faster.

An intelligent evaluation logic determines the measured values for the reliable evaluation of the inspection object from the 3D data. The graphical teach-in tool enables you to adjust the system to new types or to change the inspection tolerances in an instant. Of course, all measured values can be logged and statistically evaluated. This makes the production process transparent, and process fluctuations can be identified and localized quickly, making costly serial defects a thing of the past.

### Main Advantages:

- Objective component inspection thanks to high 3D measurement accuracy
- Designed for maximum speed and high part throughput
- Simple part handling thanks to image capture during standstill
- Perfect adjustment to project-specific conditions thanks to the flexible projector-sensor concept
- Optional evaluation of the color information of the inspection object
- Simple and intuitive operation thanks to full integration into Coake® 7

