



MultiEyeS plus

AOI module for assembly processes
and THT placement



Demo application



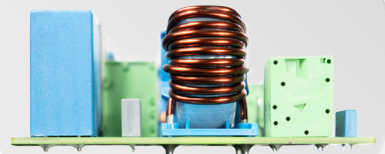
- real-time monitoring of assembly and placement processes
- direct integration into assembly and placement stations
- unmatched inspection speed



MULTIEYES PLUS

Application concept

- smart, automatic, optical inspection module
- easy integration into assembly stations
- no light shielding required
- completely wear- and maintenance-free



THT-assembly board

Failure detection and assistance in the assembly or placement process

- real-time inspection directly at the assembly station
- unsurpassed inspection speed
- completeness check, position and defect detection of assembled electronic and automotive modules
- presence, positional correctness, polarity and labelling (OCR) of THT components
- optional user-guided assistance during THT assembly by projecting information into the operator's field of view

MULTIEYES PLUS

MultiEyeS plus module

MultiEyeS plus AOI module for assembly processes and THT placement

MES/Industry 4.0

- flexible data interfaces for MES and traceability connections
- data management and detailed error evaluation via PILOT Connect

Technical specifications

inspection module	camera and lighting module for integration in assembly stations or THT placement stations, also without light shielding
image capture technology	47 megapixel image capture unit, combined with flexible LED lighting system
inspection range	650 mm x 450 mm
inspection speed	up to 800 cm ² /s
maximum inspection height/ depth of field	up to 100 mm
resolution (X/Y)	81 µm/pixel
software	PILOT AOI
dimensions integration module (W x D x H)	872 mm x 680 mm 200 mm
module weight	20 kg
power demand	230 VAC / 0.5 kVA

