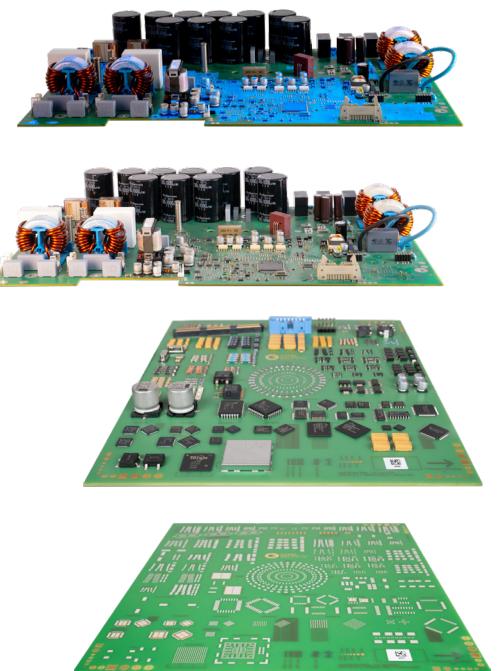


# Multi Line

## System platform – AOI for THT · AOI for SMD · SPI · CCI

- configurable platform for a range of inspection tasks
- camera modules for THT, SMD, SPI and conformal coating inspection (CCI)
- 2D or 3D inspection on both sides
- parallel and independently operating camera modules in one system
- transport of PCBAs with and without carriers
- return of PCBA carriers under the system
- standardised operating software
- flexible data interfaces for MES and traceability



# Technical specifications

## AOI for THT

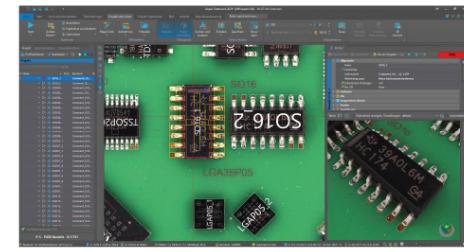
component side	2D	2D + angled view	3D	2D + angled view	3D
	assembly in the transport module		assembly in the transport module		
solder side	3D	3D	3D		3D
				3D	3D



Multi Line AOI for THT

## AOI for SMD

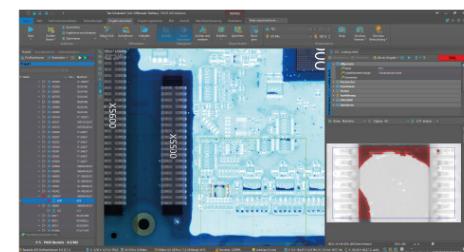
top side	3D	3D	
assembly in the transport module			
bottom side		3D	3D



Multi Line AOI for SMD

## CCI

top side	2D	2D	
assembly in the upper transport module			
bottom side		2D	2D



Multi Line CCI

# Technical specifications

## SPI



Multi Line SPI

## Multi Line platform

max. inspection area	540 mm x 450 mm
max. carrier size	up to 620 mm x 510 mm
max. transport weight	15 kg
energy requirement	230 VAC/2 kVA, compressed air 6 bar, consumption < 20 l/h
transport system	conveyor belt for PCBAs with or without carriers
transport direction	left-right, right-left, left-left, right-right
inline interface	SMEMA, HERMES, Siemens, Sensor
dimensions (w x d x h)	1150 mm x 1300 mm x 1800 mm
weight	approx. 800 kg

## Camera modules

inspection from above	3D AOI for SMD	2D/3D AOI for THT	3D SPI	CCI
inspection from below	3D AOI SMD	3D AOI for THT		CCI
return for inspection	3D AOI for THT			

## Options

- laser height measurement system
- barcode, DMC or RFID reading system
- system configuration for manual loading



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