Basic Line, Basic Line·3D

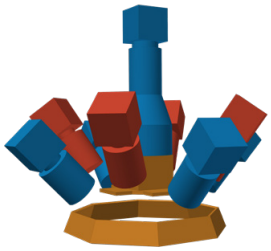
2D/3D/360° stand-alone AOI system

- flexible stand-alone AOI system with maximum fault detection through combined 3D/2D technologies
- automated AI-based test program generation with MagicClick in combination with camera module 3D·ViewZ
- individual system integration in the manufacturing process through variable system configuration and data interfaces
- BasicLine·3D can be used for 3D solder paste inspection



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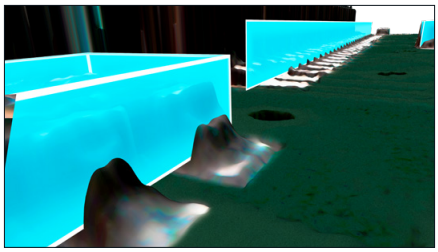
Technical specification



3D·ViewZ

Maximum fault detection

- excellent image quality of orthogonal camera and angled-view cameras
- unique multi-spectral / multi-directional illumination
- 360° angled-view inspection with adapted focal plane



MagicClick

Variable configurations

- camera module 3D·ViewZ, optional with angled view and rotation drive
- extended inspection area
- seated work position or standing work position

System software PILOT AOI

- outstanding ease of use thanks AI-based test program generation
- highest fault detection through different inspection methods
- individually expandable inspection functions and library entries
- maximum inspection reliability through verification of the test coverage and monitoring of defect detection

PILOT AOI

Industry 4.0

MES/Industry 4.0

- flexible data interface for MES and traceability
- data management and comprehensive fault analysis via PILOT Connect
- data import from third-party inspection systems for verification and evaluation

Inspection parameters	Data
2D orthogonal inspection	orthogonal camera with pixel adapted optics and telecentric lens
	image acquisition with up to 48 megapixel technology and 24 bit color depth
2D angled-view inspection	angled-view cameras with viewing angle of 45° and adapted focal plane
	up to 360 inspection directions
	image acquisition with up to 48 megapixel technology and 24 bit color depth for each camera
3D measurement	with camera module 3D·ViewZ
	technical data: see extra data sheet
illumination	multi-spectral, multi-directional
component clearance above PCB	40 mm
component clearance below PCB	100 mm
inspection area	510 mm x 350 mm (500 mm optional)

System specifications	Data
power requirement	230 V AC / 1 kVA
dimensions (W x D x H)	1133 mm x 1142 mm x 1430 mm
weight	approx. 490 kg

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Basic Line en/07-2025