

OptiCon AdvancedLine

Inline AOI System for flexible Integration Opportunities



Maximum Fault Detection

- unique multispectral illumination
- patented 360° inspection in 1° steps with adapted focal plane
- program optimisation by means of statistically recorded inspection data

Flexible Camera Configurations

- inspection modules for various speeds and test tasks (SMD, THT, THR)
- extension opportunities: rotatory angled-view inspection, laser height measurement and add-on camera with microscopic resolution

Company-specific Inline Integration

- individual integration opportunities into the production process (transportation direction, inline verification station, usage of serial numbers)
- extensive data interfaces to quality management and traceability systems (ZVEI standard, iTAC, customised)

Automated Optical Inspection OptiCon AdvancedLine at a Glance



Software user interface OptiCon PILOT



Repair station software



Statistics module

GOPEL
electronic
Get the total Coverage!

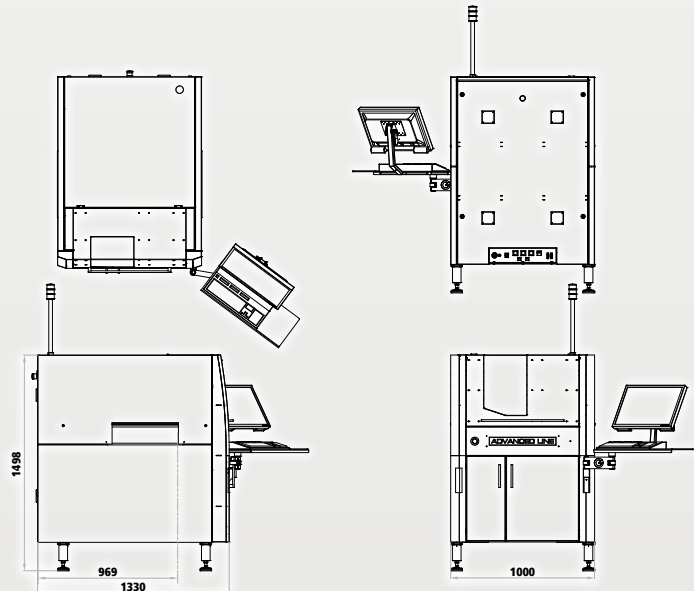
ISO 9001 certified

AOI-AL/E/2012-11

Inspection Parameters

Orthogonal top inspection, angled-view top inspection

Image capturing technology	up to 48 megapixels, 24 bit colour depth
Lens	telecentric
Resolution	up to 3.2 μm
Illumination	multispectral, multi-directional
Inspection speed	up to 60 cm^2/s
Angled-view inspection	0°–360° in 1° steps
PCB size	up to 800 mm x 450 mm
Max. PCB weight	5 kg
PCB clearance top side	up to 65 mm
PCB clearance bottom side	50 mm
Smallest inspectable component	01005 / Pitch 0.3



System Specifications

Inline interface	SMEMA, Siemens, Sensor
Transportation directions	left-right / right-left / left-left / right-right
Power requirements	230 V AC / 1 kVA; 6 bar compressed air, consumption < 20 l/h
Dimensions (w x d x h)	1,000 mm x 1,330 mm x 1,500 mm
Weight	ca. 580 kg

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