

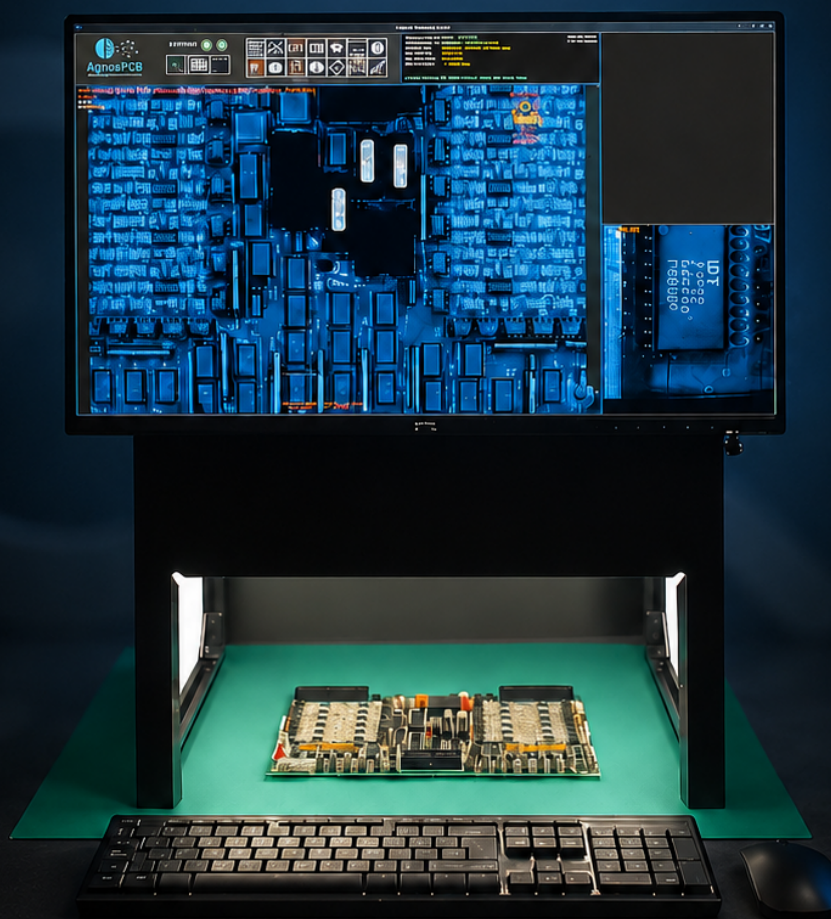
COMPACT AI-POWERED

AOI



AgnosPCB

The Neural Network powered AOI



- THE COMPACT EVOLUTION OF AI-4050
- AFFORDABLE PRECISION FOR ALL

THEY TRUST US



BOSCH



TELTONIKA



Boston Dynamics

MANUAL PCB INSPECTION IS **SLOW, COSTLY AND ERROR-PRONE**

- Defects often go undetected
- Processes are difficult to scale
- Skilled labour is expensive

MEET



High-precision PCB inspection powered by AI — results in seconds



AI-POWER

Detects defects with the highest accuracy. No matter its size.

ACCESSIBILITY

Technology **within reach of SMEs**, without the cost or complexity of traditional AOI systems.

FLEXIBILITY

Q1 adapts to different **production volumes** and inspection requirements.

EFFICIENCY

Reduce manual work, improve production quality and **optimize** your space.

• TECHNICAL SPECIFICATIONS

Platform

- Size: 47 x 56 x 37 cm (18.50 x 22.05 x 14.56 in)
- Weight: 10 kg (22.04 lbs)
- Max inspection area: 20x13cm (7.87 x 5.12 in)
- Max components per inspection: unlimited
- Inspection time: from 7 to 18 seconds

Optics

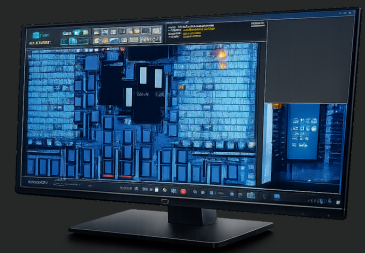
- Sensor type: CMOS, rolling shutter
- Sensor model: Sony IMX183
- Pixel size: 2.4 μm x 2.4 μm
- Sensor size: 1"
- Resolution: 5472 x 3648
- Data interface: USB3.0
- Lens: 25mm

Power consumption

- 60W (110W peak)
- 110-230V AC

UV-A KIT (Optional)

UV light reveals defects in conformal coatings that are otherwise invisible, enabling precise analysis and enhanced inspection capabilities.



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WHY MANUFACTURERS CHOOSE **AGNOSPCB**

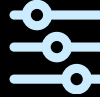
POWERED
BY **AI**



INSTANT
INSPECTION



VERSATILITY



AFFORDABLE
AUTOMATION



IDEAL FOR

PCB Assembly Lines

Electronic Startups

Low-Volume Manufacturers

Contract Manufacturers

Prototyping Labs

WHAT OUR AOI CAN DETECT

☒ Displacements / Tombstones

☒ Missing components

☒ Excessive rotation

☒ Short circuits

☒ Component collisions

☒ Polarity errors

☒ Contamination

☒ Deformations in geometry

☒ Bent pins

☒ Damaged components

CONTACT US FOR A **FREE TRIAL**



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