

AI-powered soldering quality inspection

A Deep Learning-based tool revolutionizing soldering inspection for Printed Circuit Board by excelling pixel-level detection of solder voids

Key features



Full automation

Deep Learning unleashing fully automated soldering inspection: no manual operation required



Real-time

Instantaneous lot inspection and standard-compliant reports generation to customers



High precision

Pixel-level accuracy for solder voids detection and measurement



Deploy anywhere

Deployable across machines and edge devices in factories or hosted in the cloud and accessible from anywhere

Why choose Quasar?



Full-service activation

Full-service activation tailored for your devices, including image labelling for model training



AXI Machines agnostic

Compatible with images from any X-ray machines



Cost-effective

Drastically reduces non-quality and labor cost



Root cause diagnosis

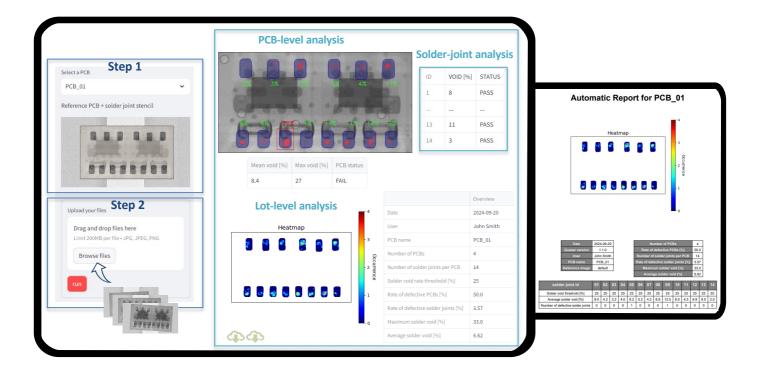
Dramatically accelerates root cause diagnosis thanks to lotlevel analysis







Soldering quality inspection in 3 clicks



Technical specifications

Characteristics	Specifications
Statistical analysis	 Maximum and average solder voids percentage calculation at solder joint, PCB, and lot level Pass/fail verification compliant with international standard IPC
Automated report generation	 Visualization of solder voids and solder joint for each PCB Heatmap illustrating solder voids distribution for all the PCBs in the lot
PCB and X-ray machine agnostic	Compatible with and can operate seamlessly across various PCBs and X-ray machines



quasar-assembly.com



+33 (0) 7 80 90 60 31



sales@quasar-assembly.com

