

## **AOI 45** **Automated Optical Inspection machine**



The AOI45 is an In-Line or Stand-Alone machine for the automatic inspection of printed substrates.

The applications are in Thick Film, LTCC, polymeric, glass and wafers, for display, solar cell, sensors, RFID smart card and polyester foils.

Printed materials to be inspected are conductor dielectric, resistor and solder pastes.

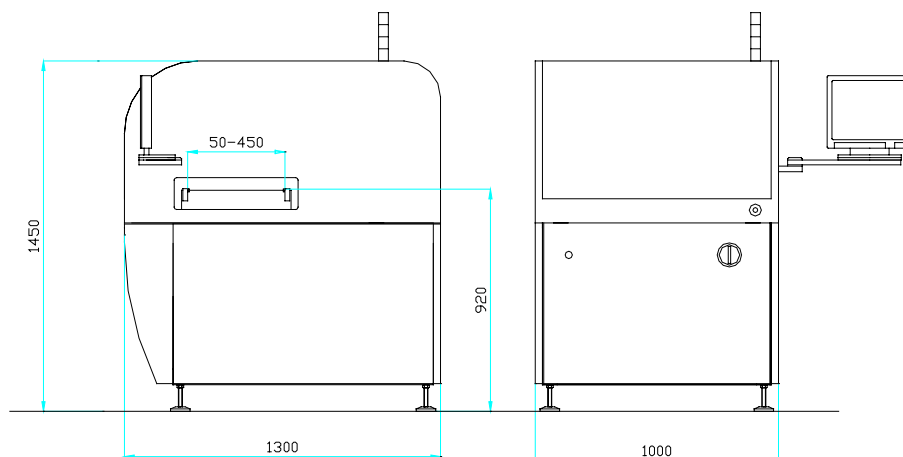
By means of PPI software, the machine checks all defects: dimension of the printed track and pad, quality, continuity, gap between the fine lines, position and tolerance of the different layers.

### **Technical specification AOI45**

Substrate dimension	: 50x50mm – 450x500mm
Board thickness	: 0.2mm – 5mm
Clearance from board	: top 20mm; bottom 0 – 50mm
Camera	: digital color CCD 1024 x 768 pixel
View area	: standard 30x23mm; optional i.e. 40x30mm, 20x15mm with higher or lower resolution
Resolution	: 30 µm with standard view area
Lighting system	: white led flashed
Scanning speed	: max 450mm/sec (20 frames/sec) 4"x4"/30 µm 1sec
X – Y moving speed	: max 800mm/sec
OS	: Windows XP prof English
Inspection Output	: good / no good signal, Marking pen, Data file, Display on monitor, print on paper
Power supply	: 240V 50Hz 800W
Compressed air	: 5 atm 10l/min
Temperature	: 15 – 30°C, 5 – 80% RH
Dimensions	: 1000 x 1300 x 1450H
Weight	: 500 kg

### **Optional**

High speed software	: 30 frames/sec
Bottom lighting for ceramic, foils, glass.	
Special fixtures	



specification are subject to change without prior notice.

