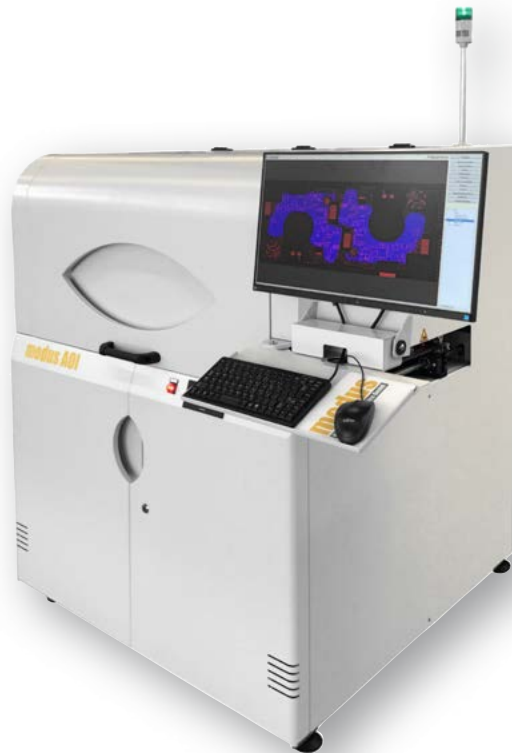


Single-side-top inspection THT+CC

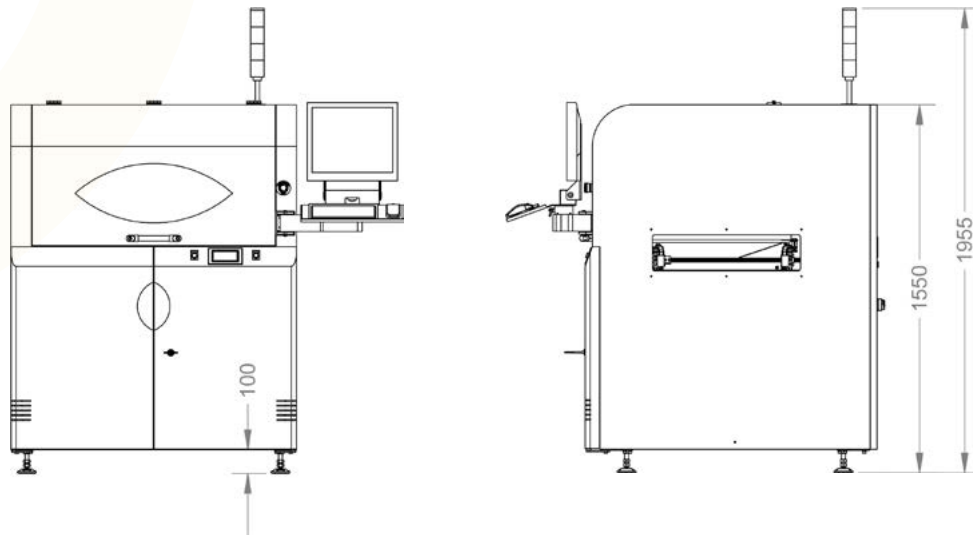
modusAOI S3-ION-THT-UV



Features

- System for single-sided top inspection for THT or CC printed circuit boards.
- Allows side view (up to $\pm 12^\circ$) for all PCB sides with 90° turntable.
- Combination of different inspection tasks such as SMD placement, THT solder joints, conformal coating and full screening for solder beads (solder balls).
- Capture of any number of barcodes and data-matrix codes on the multi PCB.

Technical Specifications



Scan Unit

Resolution: 600 - 1200 dpi, 42µm - 21µm
Color depth 3 x 12 bit internal, 3 x 8 bit external
Light source: multi-LED illumination
UV LED Cluster 365nm focused
Solder meniscus control with blue-red-white LED cluster based on different illumination angles
Adjustable illumination profiles
Triggered light control
Telecentric lens for a parallax free image
Rectified image due to orthogonal calibration
Optional: Conformal coating thickness calibration
side view with three angles: 0°, -12° and +12°.

System-PC

Intel Core i7 4.2GHz 7th-Generation, 32GB DDR4-RAM, DVD-Writer, 2 x 1Gb/s Network interface, I/O module, 2 x 6TB HDD's (NAS 24/7), 1 x 500GB V-NAND SSD NVMe M.2, Windows 10 Professional/LTSB 64Bit, Acronis Backupsoftware, Keyboard, Mouse, Operator Keyboard, 24" Full-HD IPS 16:9 Monitor

Operating Range

PCB area 420 mm x 530 mm (16.5 in. X 20.8 in.)
Clearance TOP up to 100mm [3.9 in.]

Inspection Speed

Full area (double-sided) independent of the number of inspection parts: 20 seconds (including calculation time). Smaller scan area means less inspection time.

Transport System and inline Integration

System independent interface for conveyor module
Option with or without return conveyor
Various options and custom solutions can be realized

Dimensions and Weight

Width 1200 mm x depth 1280 mm, height 1456 mm,
weight 560 kg (47.2 in. x 50.3 in. x 57.3 in. - 1232 lbs.)

Connection values and Setting conditions

230 V / 50 Hz P1 or 110 V / 60 Hz
Power consumption of scanner 750 W
Temperature: 5° C - 35° C
Humidity: 10 % - 80 % non-condensing