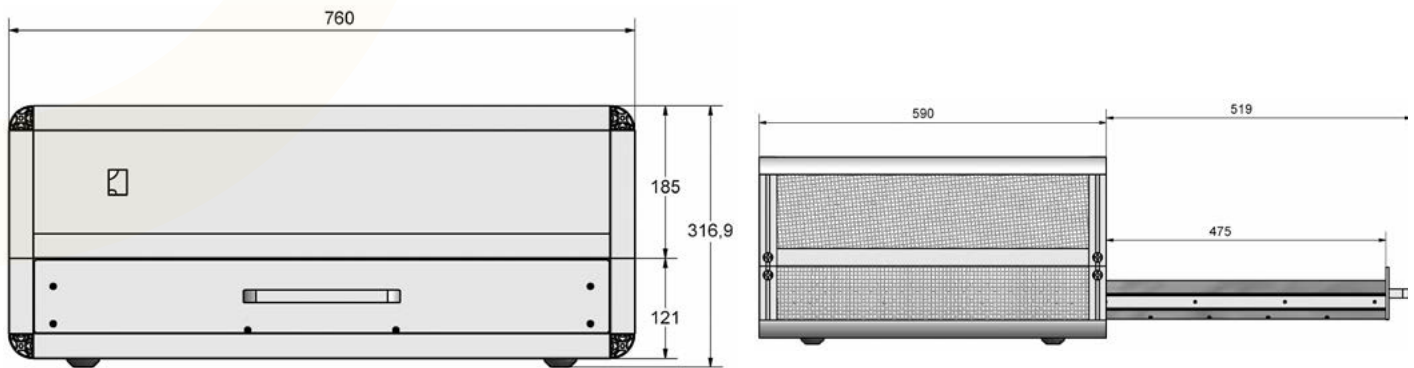# Offline single-side top inspection
modusAOI MLD1200-OS

Features

- Single system for inspection printed circuit board from the top side

- 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 Optional: UV LED Cluster 365nm focused Adjustable illumination profiles Triggered light control Telecentric lens for a parallax free image Rectified image due to orthogonal calibration Optional: Conformal coating thickness calibration
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 300 mm x 410 mm (11.8 in. x 15.8 in.) Clearance TOP up to 50mm [1.9 in.]
Inspection Speed	Full area (double-sided) independent of the number of inspection parts: 25 seconds (including calulation time). Smaller scan area means less inspection time.
PCB JIG for fixing device under test	Single system with drawer and variable height fixture (magnetically adjusted). Closing the drawer starts the inspection automatically. We are also able to provide an ergonomic soldering frame fixture without drawer.
Dimensions and Weight	Desktop system 760 mm x 590 mm (29.9 in. x 23.2 in.), height 490 mm (19.3 in., drawer included), weight ca. 80 kg (176 lbs)
Connection values and Setting conditions	230 V / 50 Hz P1 or 110 V / 60 Hz Power consumption of scanner 250 W Temperature: 5° C - 35° C Humidity: 10 % - 80 % non-condensing