

MECHANICS

Basic unit with 16 test probes (8 top, 8 bottom)
Variable board fixing system, multi board test
Max. board size (X x Y): 24.8" x 26.4" (630 x 670 mm)
Test area: 23.6" x 24.4" (600 x 620 mm)
Board thickness: up to 10 mm (0.4")
Probe accuracy: $\pm 10 \mu\text{m}$ ($\pm 0.4 \text{ mil}$)
Smallest pad: 35 μm (1.4 mil)
Smallest testable pitch: 75 μm (3 mil)
Repeatable accuracy: $\pm 5 \mu\text{m}$ ($\pm 0.2 \text{ mil}$)
Glass calibration board.

ELECTRONICS

Continuity test: 1 Ω to 10 k Ω ,
 $\pm(0.5 \Omega \pm 0.5 \%)$
Isolation test: up to 25 M Ω (FM),
200 M Ω (ohmic)
Test voltage: up to 500 V

TEST PROBES

Contact pressure: 10 to 100 g (0.35 to 3.53 oz)
Probe speed: 10 to 100 mm/s (0.39"/s to 3.94"/s)
Z-axis travel: 0.75 to 20 mm (0.03" to 0.79")

CAMERA SYSTEM

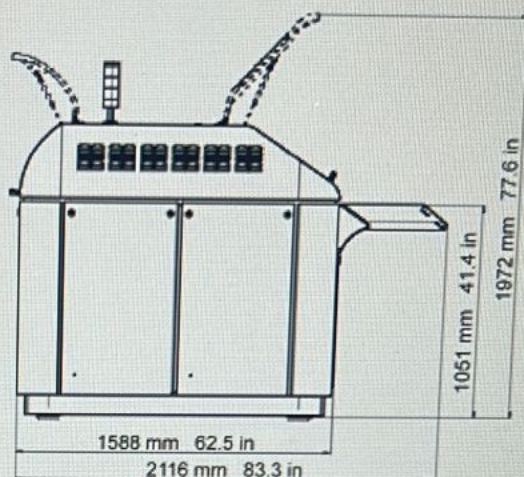
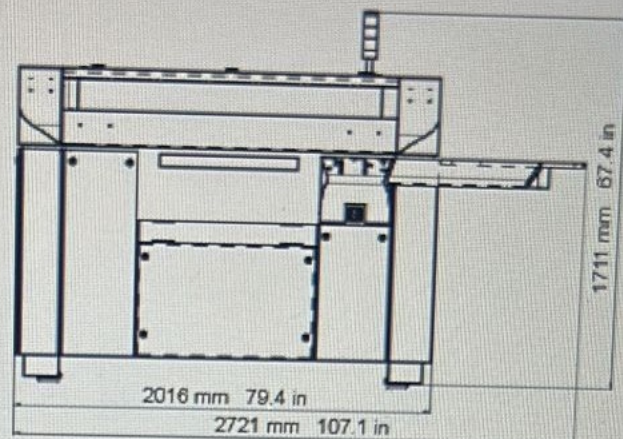
2 cameras for optical scanning of top and bottom side
Adjustable accuracy: 5 to 100 μm
Automatic shrinkage compensation
Free selectable scan marks

OPTIONS

- Selective high voltage test up to 500 V with selective isolation test up to 500 M Ω
- Four-wire measurement: 1 m Ω to 1 k Ω ($\pm 0.1 \text{ m}\Omega$)
- Embedded components:

Measurement	Tolerance
R 1 Ω to 50 M Ω	$\pm(0.5 \Omega \pm 0.5 \%) < 10 \text{ M}\Omega$ $\pm 2 \% > 10 \text{ M}\Omega$
C 0.1 pF to 100 μF	$\pm(0.03 \text{ pF} \pm 2 \%)$
L 0.2 μH to 5000 μH	

- Tension frame for flexible, double sided boards, max. board size: 20.0" x 24.0" (508 x 610 mm) test area: 18.0" x 23.0" (457 x 584 mm)
- Sintered vacuum box for single-sided test of inner layers and flexible boards, max. board size 24.0" x 24.8" (610 mm x 630 mm), higher test speed by external antennae, Flip test
- Retest with barcode support of fault files from grid test systems
- Repair station with camera system and barcode support



DATA INPUT FORMATS

IPC-D-356/A
ATF and EPC

NETWORK CONNECTION

Ethernet, TCP/IP

POWER

3 x 400 V, 50 Hz (3 x 208 V, 60 Hz), 2500 VA

COMPRESSED AIR

6 bar (90 psi), filtered

TEMPERATURE

19 $^{\circ}\text{C}$ to 27 $^{\circ}\text{C}$ (66 $^{\circ}\text{F}$ to 81 $^{\circ}\text{F}$), $\pm 3 \text{ K}$

RELATIVE HUMIDITY

40 % to 60 %

WEIGHT

1800 kg (3968 lb)