

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: $\pm 10 \mu\text{m}$ (± 0.4 mil)
 Smallest pad: $35 \mu\text{m}$ (1.4 mil)
 Smallest testable pitch: $75 \mu\text{m}$ (3 mil)
 Repeatable accuracy: $\pm 5 \mu\text{m}$ (± 0.2 mil)
 Glass calibration board.

ELECTRONICS

Continuity test: 1Ω to $10 \text{ k}\Omega$,
 $\pm(0.5 \Omega \pm 0.5 \%)$
 Isolation test: up to $25 \text{ M}\Omega$ (FM),
 $200 \text{ M}\Omega$ (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

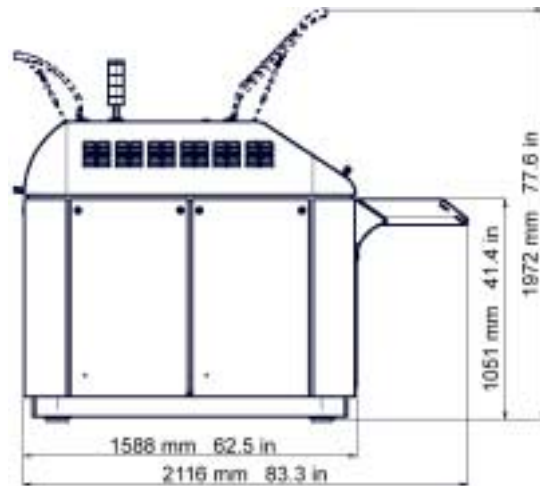
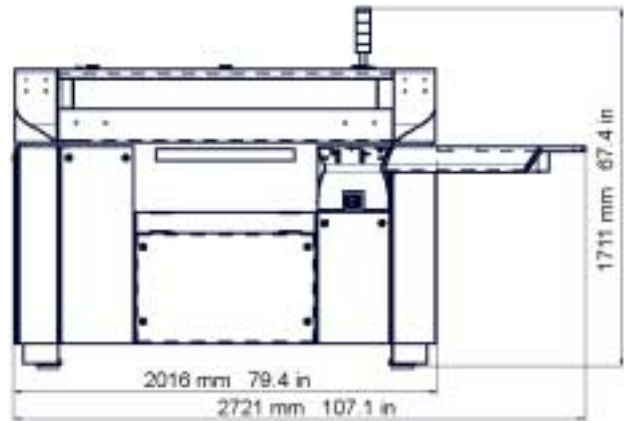
2 cameras for optical scanning of top and bottom side
 Adjustable accuracy: 5 to $100 \mu\text{m}$
 Automatic shrinkage compensation
 Free selectable scan marks

OPTIONS

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

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

- 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

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

RELATIVE HUMIDITY

40 % to 60 %

WEIGHT

1800 kg (3968 lb)



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