

MECHANICS

Basic unit with 8 test probes (4 top, 4 bottom)
 Variable board fixing system, multi board test
 Max. board size: 25.6" x 18.7" (650 x 475 mm)
 Test area (X x Y): 24.0" x 18.0" (610 x 460 mm)
 Board thickness: up to 7 mm
 Probe accuracy: $\pm 20 \mu\text{m}$ (± 0.8 mil)
 Smallest pad: $50 \mu\text{m}$ (2 mil)
 Smallest testable pitch: $100 \mu\text{m}$ (4 mil)
 Repeatable accuracy: $\pm 10 \mu\text{m}$ (± 0.4 mil)
 High speed 48 V motors

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

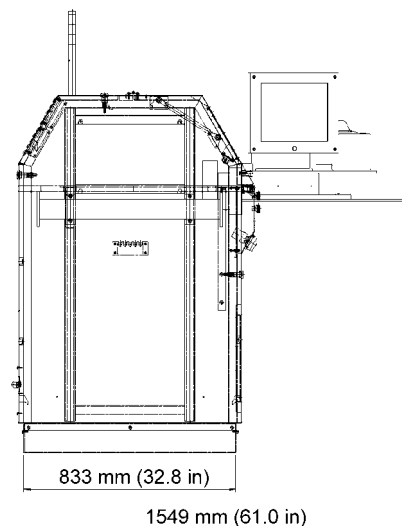
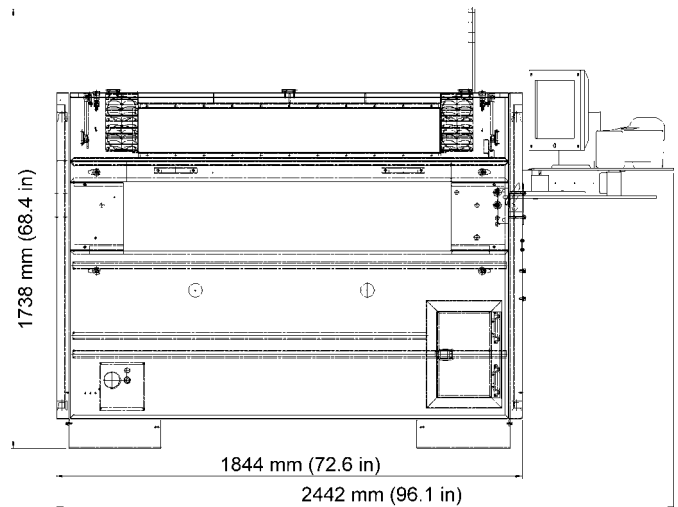
2 cameras for optical scanning of top and bottom side
 Adjustable accuracy: 5 to 100 μm
 Automatic shrinkage compensation
 Free selectable scan marks

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 (± 0.1 m Ω)
- 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: 24.0" x 18.7" (610 x 475 mm)
 test area: 24.0" x 18.0" (610 x 460 mm)
- Sintered vacuum box for single-sided test of inner layers and flexible boards, max. board size 18.1" x 12.2" (460 mm x 310 mm), higher test speed by external antenna, Flip test
- Glass calibration board for accuracy $\pm 10 \mu\text{m}$
- 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

230 V, 50 Hz (115 V, 60 Hz), 1800 VA

TEMPERATURE

19 °C to 27 °C (66 °F to 81 °F), ± 3 K

RELATIVE HUMIDITY

40 % to 60 %

WEIGHT

1200 kg (2645 lb)



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