
1.8 Technical and other data

Test area and measurements

Maximum test area	24,4" W x 20,0" H (620 x 510 mm)
Threshold continuity	2 ... 100 Ohms
Threshold isolation	7 ... 300 MOhms
Test voltage	25 ... 250 V
Test current	30 ... 300 mA
Short	resistance + HiRAM
Open	resistance

Accuracy

Min. pad size	0,0039" (100 μ m) / 4 mil
Pitch	0,0099" (250 μ m) / 10 mil
X/Y axis resolution	0,002" (50,8 μ m)
Repeatability	\pm 0,001" (25,4 μ m)

Alignment

Board registration X/Y	automatic
Board rotation compensation	automatic
Board step and repeat tuning	automatic
Needle registration maintenance	automatic, self learning
Calibration	calibration board, time to calibrate: 25 min.

Motion system

Number of probes	4 (2 on each side)
Probe tip	0,003" x 0,003" (76,2 x 76,2 μ m)
Probe load	40 grams
X/Y axis	driven by precision belts
Z axis	driven by metal wire
Z axis frequency (4 needles)	4 to 10 Hz

Physical characteristics

Machine dimensions	33,1"H x 44,1"W x 10,7"D (840x1120x270 mm)
System weight	150 kg
Power supply	230 (115) V / 50 Hz
Power consumption	400 W
Fuse	10A