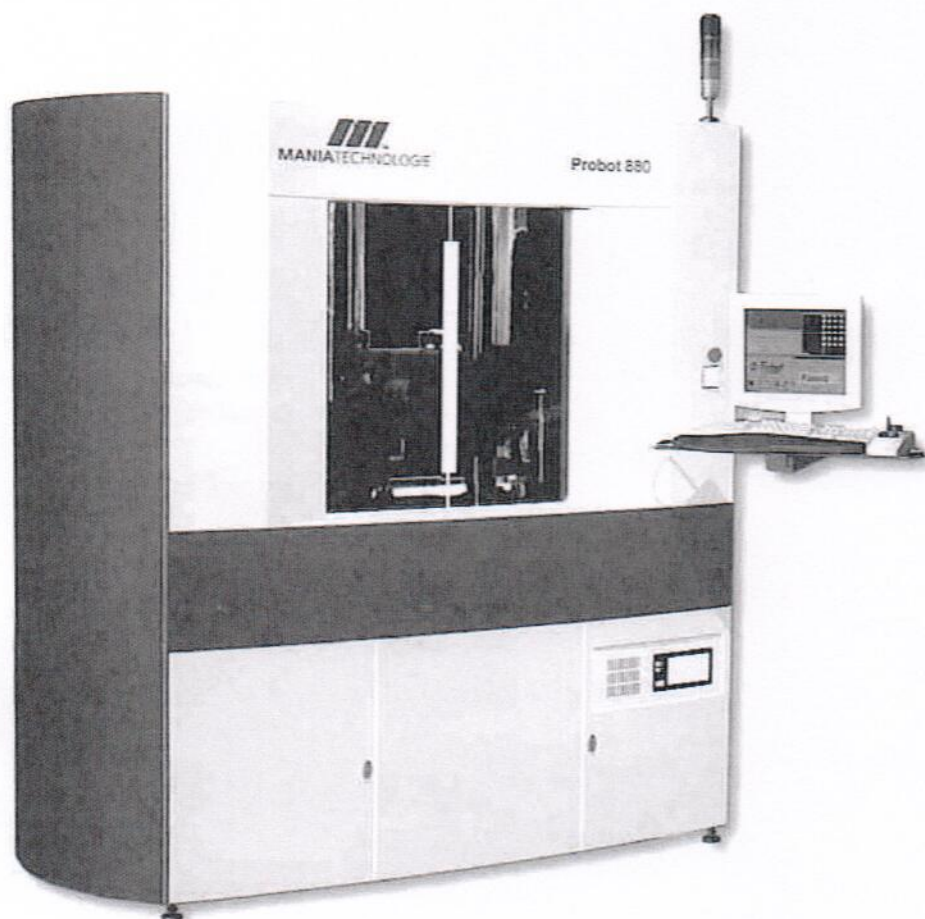


Probot 880



Unsurpassed Test Characteristics

Mania's Probot 880 can be programmed individually within wide ranges of parameters to run exactly the electrical test you need. Get as a standard what others offer as expensive options.

Sophisticated Camera Alignment

The registration and alignment is very fast and fully automatic. It works with utmost precision and reliability. This is achieved by the combination of newly designed CCD cameras with intelligent optical pattern alignment.

Parameter Test of Embedded Elements

If your PCBs contain Embedded Components such as Resistors and Capacitors, we offer you the electrical test method to do a fast and reliable functional test as a standard feature.

Cost-saving TFI Capabilities

With Mania's Test Floor Integration (TFI) concept, you'll get the best out of your electrical test department. The intelligent combination of grid and flying probe test systems saves time, resources and cost. Make split tests or retest faulty boards on your Probot 880. The possibilities are unlimited.

- ***Unsurpassed Test Characteristics***
- ***Sophisticated Camera Alignment***
- ***Parameter Test of Embedded Elements***
- ***Cost-saving TFI Capabilities***

Probot 880

Technical Data

Technical Specifications

Probe heads	2 + 2	
Probe load	5 – 13.6 (adjustable)	
Max. board size	27.0" x 24.0"	686 x 610 mm
Min. board size	1.57" x 1.57"	40 x 40 mm
Board loading	Standard vertical frame Quick frame (Both available with Spring loaded brackets for quick loading)	
Board setup for test	multiple board; flip test	
Repeatability / Accuracy	0.60 mil	15.24 μ m
Resolution x/y	0.20 mil	5.08 μ m
Min. Pitch	7.0 mil	177.8 μ m
Min. Pad size	3.0 mil	76.2 μ m
Test voltage	0.5 – 100 V (adjustable) 100 – 500 V (adjustable) 1000 V (optional)	
Test current	2 – 500 mA (adjustable)	
Test method	Discharge / Resistance	
Number of CCD cameras	2 (for alignment)	
Software data preparation	Ucam	
Auto-loader	–	
Air requirements	–	
Weight	551 lbs	250 kg
Room temperature during operation	65° – 85° F	18° – 29° C
Test rate (test points per minute)	Up to 3,300 depending on product under test	
Thin core test	yes – quick frame	
Test floor integration	yes	