

G50 Specification



- > Mid-level double sided Flying Probe system
- > High speed belt driven motion system
- > Fully automatic camera alignment
- > Pneumatic stretch frame for thin, core and flex application
- > Quick frame for fast set up of rigid boards
- > User friendly, high-speed software licensed specifically by Gardien
- > Plug and Play link with the Flying Probe Accelerator AC8

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MECHANICS

Number of test probes	4 (2 front/2 back)	
Test probe pressure	2 - 10 g	
Number of CCD-cameras	2 (1front/1 back) Fully automatic camera alignment for easy and faster board registration	
Max test area (x/y)	25" x 21"	640mm x 540mm
Max board size (x/y)	26" x 22"	660mm x 560mm
Min board size (x/y)	2" x 2"	50mm x 50mm
Max board thickness	320mil	8mm
Min board thickness (vacuum)	3mil	80µm
Min board thickness (standard)	8mil	200µm
Repeatable accuracy	1.2mil	30µm
Resolution (x/y)	1.2mil	30µm
Smallest testable pad size	4mil	100µm
Smallest testable distance/Pitch	8mil	200µm
Board Loading	Stretch/ Quick/ Vacuum	

ELECTRONICS

SOFTWARE

Test voltage	10 V up to 1000 V (adjustable)	User Software	Windows 7, English Version
Test current	1 mA up to 500 mA(adjustable)	Data input formats	IPC, MNF 1, MNF 2
Continuity test	1 Ohm up to 5000 Ohm (dependent on the current, smaller current = larger resistance)		
Isolation test	1 Meg Ohm up to 500 Meg Ohm		
Power supply	230V, 50/60Hz, 1000W Single Phase		

OPTIONS & UPGRADES

Hardware

- > Vacuum plate
- > 4W Kelvin Ready
- > 4W Kelvin Functional
- > Single Sided for Flex / Thin core/ Inner layer testing
- > Includes pre-wiring for upgrade to Kelvin function
- > Includes all necessary hardware for Kelvin testing

Software

- > Data preparation software
 - > Verification software
 - > Test floor integration (TFI) capability
 - > Embedded resistor test
- Software options available on request

DIMENSIONS & ENVIRONMENTAL CONDITIONS

Width	86.6"	2,200mm
Depth	38.5"	980mm
Height	76"	1,940mm
Weight	1370lbs	600kg
Air pressure	6 bar dry and oil free	
Air humidity	45-65% - not condensing	
Room temperature	61° - 79 °F	16-26 °C