

Flying Probe Tester – G50



G50

24.4" x 20.5" / 620 mm x 520 mm

- **Double sided** Flying Probe system
- **High-speed belt driven motion system** - mounted on steel frame.
- Parameterizable **Micro Short** Detection
- **Hi-Pot** measurement
- **Stretch frame** – for thin core material
- Comes with a **Plug and Play link** with the **Gardien AC8**
- Utilizing **FPX software** with all its **features and benefits**
- **Adjustable Top Bar** with electrical drive
- **Multi image testing** - allows to test multiple jobs on one panel, increasing the output capacity
- Front and rear **fully automatic camera alignment system**
- **CE Certified**

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TECHNICAL INFORMATION

No. of test probes	4 (2 front / 2 back) High Speed Z-Axis with soft touch (requires soft touch probes)	
Test probe pressure	2-10 g	
No. of CCD-cameras	2 (1 front/1 back)- Fully automatic camera alignment for easy and fast compensation of board registration	
Max test area (x/y)	24.4"x 20.5"	620mm x 520mm
Min board size (x/y)	2" x 2"	50mm x 50mm
Max board thickness	320 mil	8mm
Min board thickness (standard)	5mil	0.12mm
Repeatable accuracy +/-	0.6mil	15µm
Resolution (x/y) +/-	0.6mil	15µm
Smallest testable pad size	4mil	100µm
Smallest testable distance/pitch	4mil	100µm
Board Loading option	Stretch/Quick Frame	

OPTIONS

Hardware

- > Multi Board Loading (Quick frame)
- > 4Wire Kelvin Measurement (Low Ohm measurement)
- > Electrical stretch frame – no compressed air connection required

Features

- > Embedded resistor test
- > Hi-Pot Testing (up to 7000 Volt)
- > Embedded capacitor test
- > High Voltage Testing (up to 1000V)
- > Micro Short Detection

Software

- > Data preparation software (Certified UCAMCO)
- > Test floor integration (TFI) capability
- > Verification software (Certified UCAMCO)

DIMENSIONS

Width	86.6"	2200mm
Depth	38.5"	980mm
Height	76"	1940mm (w ithout light)
Weight	84.8"	2155mm (w ith light)
	2866lbs	1300kg

ENVIRONMENTAL CONDITIONS

Air humidity	45-65% not condensing	
Room Temp.	64° -90°F	18° -32°C
Power supply	230V, 50/60Hz, 1000W Single Phase	
Air supply	6 bar oil free	

ELECTRONICS

Test voltage	20V up to 1000V (adjustable)	
Test current	5mA up to 500mA (adjustable)	
Continuity test	1 Ω up to 5000 Ω (dependent on the current, smaller current = larger resistance)	
Isolation test	1 M Ω up to 500 M Ω	

INCLUDED MISCELLENEOUS

Industrial PC 19"	Barcode Reader(2D & 3D)
Thermal Printer (80mm)	Monitor (Wide Screen)
Calibration Panel	

SOFTWARE

Operating Software	Windows 10 (English Version)
User Interface	Gardien FPX with multi Language support (Chinese, Japanese, English, German, Spanish)
Data Input formats	MNF1, MNF2, IPC D 356A, EMMA
Test Floor Integration	IT based communication and data exchange between Universal Grid, Flying Probe and Verification SW