

# Flying Probe Tester Series



**G80**

28.7" x 24.8" / 730mm x 630mm

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

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# Flying Probe Tester Series

## G80 Specification

### MECHANICS

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/1back)- Fully automatic camera alignment for easy and fast compensation of board registration	
Max test area (x/y)	28.7" x 24.8"	730mm x 630mm
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 +/-	0.3mil	7.5µm
Resolution (x/y) +/-	0.3mil	7.5µm
Smallest testable pad size	2mill	50µm
Smallest testable distance/pitch	3mil	75µm
Board Loading option	Stretch/Quick Frame	

### DIMENSIONS & ENVIRONMENTAL CONDITIONS

Width	86.6"	2200mm
Depth	38.5"	980mm
Height	76"	1940mm (without light)
Weight	84.8"	2155mm (with light)
Weight	2866lbs	1300kg
Air humidity	45-65% not condensing	
Room Temp.	64° -90°F	18°-32°C
Power supply	230V, 50/60Hz, 1000W Single Phase	

### 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	

### OPTIONS

#### Hardware

- > Multi Board Loading (Quick frame)
- > 4Wire Kelvin Measurement (Low Ohm measurement)
- > Electrical stretch fame – 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)

### SOFTWARE

Operating Software	Windows 10 (English Version)
User Interface	Gardien <b>FPX</b> 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