

Flying Probe Tester – G80



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
- Parameterizable **Micro Short Detection**
- **Hi-Pot** measurement
- **Stretch frame** – for thin core material
- Front and rear **fully automatic camera alignment system**
- 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**
- Comes with a **Plug and Play link** with the **Gardien AC8**
- **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)	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	5mil	0,12mm
Repeatable accuracy +/-	0.3mil	7.5µm
Resolution (x/y) +/-	0.3mil	7.5µm
Smallest testable pad size	2mil	50µm
Smallest testable distance/pitch	3mil	75µm
Board Loading option	Stretch/Quick Frame	

OPTIONS

Hardware

- > Multi Board Loading (Quick frame)
- > Motor-driven clamping system – no compressed air connection required
- > 4Wire Kelvin Measurement (Low Ohm measurement)
- > Hi-Pot Testing (1000V to 7000V)
- > Induction LCR Measurement (Micro Henry Measurement)

Features

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

Software

- > Data preparation software (Certified Ucamco Smartseat)
- > Verification software (Certified Ucamco FaultStation)
- > Test Floor Integration (TFI) capability

DIMENSIONS

Width	86.6"	2200mm
Depth	38.5"	980mm
Height	76"	1940mm (without status light)
	84.8"	2155mm (with status light)
Weight	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 MISCELLANEOUS

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