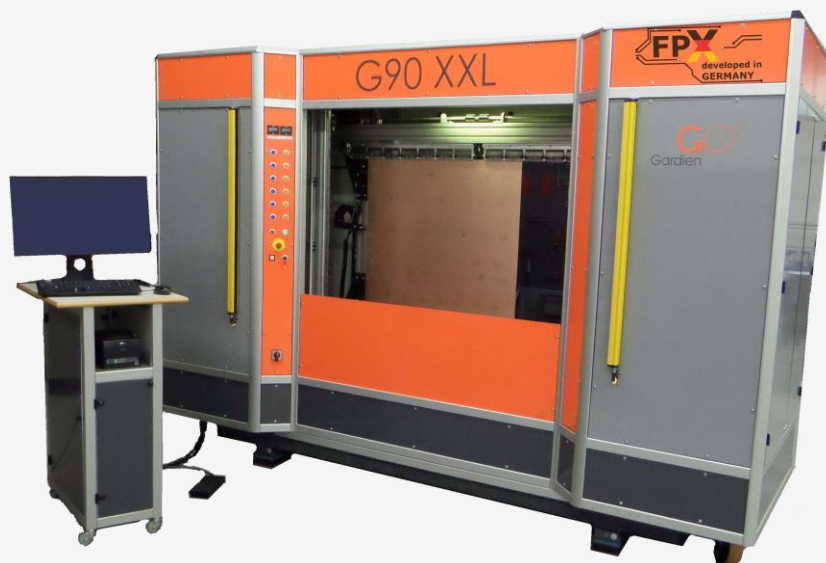


Flying Probe Tester – G90 Series



VARIANTS

G90XL	47.2" x 47.2"/1200mm x 1200mm
G90XXL	63.0" x 47.2"/1600mm x 1200mm

- **High accuracy with glass scale system** across entire test area
- **Movable motor-driven upper and lower stretch Bar** – For easy loading of all board sizes
- **High-speed lead screw driven motion system** - increases speed and repeatability
- Utilizing **FPX software** with all its **features and benefits**
- Front and rear **fully automatic camera alignment system**
- **Motor-driven clamping system** that offers superior clamping
- **Test exceptionally large boards** - up to 1600mm
- **Multi image testing** - allows to test multiple jobs on one panel, increasing the output capacity
- Parameterizable **Micro Short Detection**
- Optional 4-wire Kelvin option for **accurate low resistance measurements**
- Comes with a **Plug and Play link** with the **Gardien AC8**
- Fixtureless Testers **developed, designed and assembled in Germany, CE Certified**

PLEASE CONTACT US FOR MORE INFORMATION:

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Flying Probe Tester – G90 Series

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	
G90 XL Max test area (x/y)	47.2"x47.2"	1,200mm x 1,200mm
G90 XXL Max test area (x/y)	63"x47.2"	1,600mm x 1,200mm
Min board size (x/y)	2" x 2"	50mm x 50mm
Max board thickness	320 mil	8mm
Min board thickness (standard)	4mil	0,1 mm
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)
- > Induction LCR Measurement (Micro Henry Measurement)
- > 4Wire Kelvin Measurement (Low Ohm measurement)
- > Hi-Pot Testing (1000V to 7000V)

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	117"	2,980mm
Depth	39"	992mm
Height	80"	2,030mm (without status light)
	92"	2,330mm (with status light))
G 90 XL Weight	6,173lbs	2,800kg
G 90 XXL Weight	6,393lbs	2,900kg

ENVIRONMENTAL CONDITIONS

Air humidity	45-65% not condensing	
Room Temp.	64° -90°F	18°-32°C
Power supply	400V, 50/60Hz, 1000W 3Phase	

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)
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 Software/Station

For more information, contact us: info@gardien.com, Or visit our website: www.gardien.com

Due to our policy of continuous product improvement, we reserve the right to discontinue or change product specifications or designs at any time without notice and without incurring obligations. You should always contact an authorized Gardien representative for the most up-to-date information on our products.