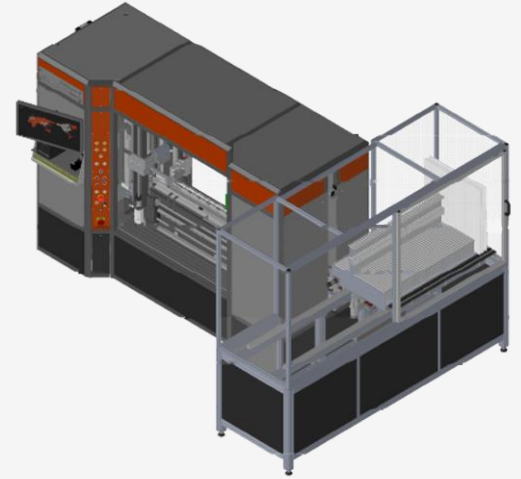
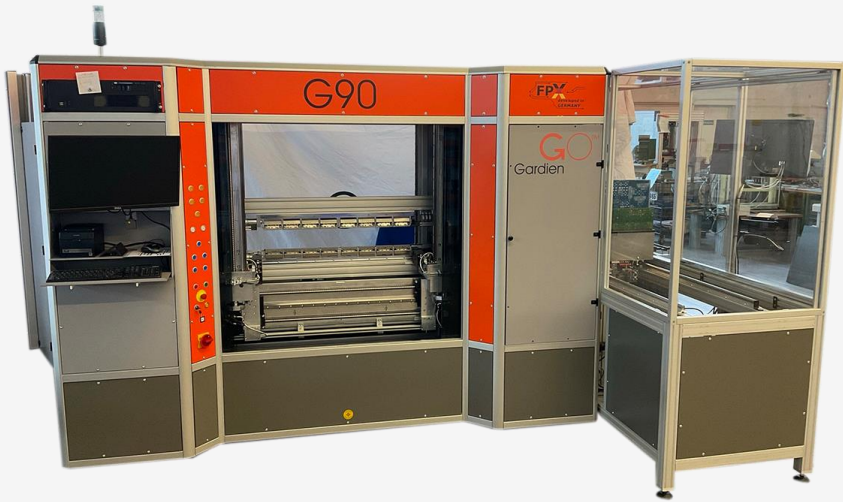


# Auto Flying Probe Tester – G90 Series



## VARIANTS

<b>G90 – UVSL 48</b>	31.9" x 31.9"/812mm x 812mm
<b>G90L – UVSL 48</b>	39.4" x 39.4"/1000mm x 1000mm

- **High accuracy** with **glass scale system** across entire test area
- **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**
- Fixtureless Testers **developed, designed and assembled in Germany**
- **Universal Vertical Slot Loader – 48 slots**
- **Flexible multi-job handling** - upto 48 different jobs per loading
- **Automatic setup for job data** - auto adjustment of FPT and UVSL
- **Simple job loading and administration**
- **Minimum WIP requirement**
- **Motor-driven clamping system** that offers superior clamping
- **Multi image testing** - allows to test multiple jobs on one panel, increasing the output capacity
- Uncompromised manual operation capability

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# Auto 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 (1front/1back)- Fully automatic camera alignment for easy and fast compensation of board registration	
<b>G90 UVSL Max test area (x/y)</b>	<b>31.9"x 31.9"</b>	<b>812mm x 812mm</b>
<b>G90 L UVSL Max test area (x/y)</b>	<b>39.4"x 39.4"</b>	<b>1,000 x 1,000mm</b>
Min board size (x/y) - Auto	4" x 6"	100mm x 150mm
Max board size (x/y) - Auto	24" x 24"	610mm x 610mm
Min board size (x/y) - Manual	2" x 2"	50mm x 50mm
Max board thickness - Manual	320 mil	8mm
Max Board thickness (Auto)	118mil	3mm
Min board thickness (Auto)	8mil	0,2mm
Min board thickness (Manual)	4mil	0,1mm
Repeatable accuracy +/-	0.2mil	5µm
Resolution (x/y) +/-	0.2mil	5µm
Smallest testable pad size	2mil	50µm
Smallest testable distance/pitch	2mil	50µm
Manual 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 (upto 1000V)

### Software

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

## DIMENSIONS

Width	138.7"	3,525mm
Depth	101.9"	2,590mm
Height	77"	1,950mm (without status light)
	89"	2,250mm (with status light)
<b>G90 UVSL 48 Weight</b>	4,850lbs	2,200kg
<b>G90 L UVSL 48 Weight</b>	5,159lbs	2,340kg

## ENVIRONMENTAL CONDITIONS

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	

## MISCELLANEOUS

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

## SOFTWARE

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