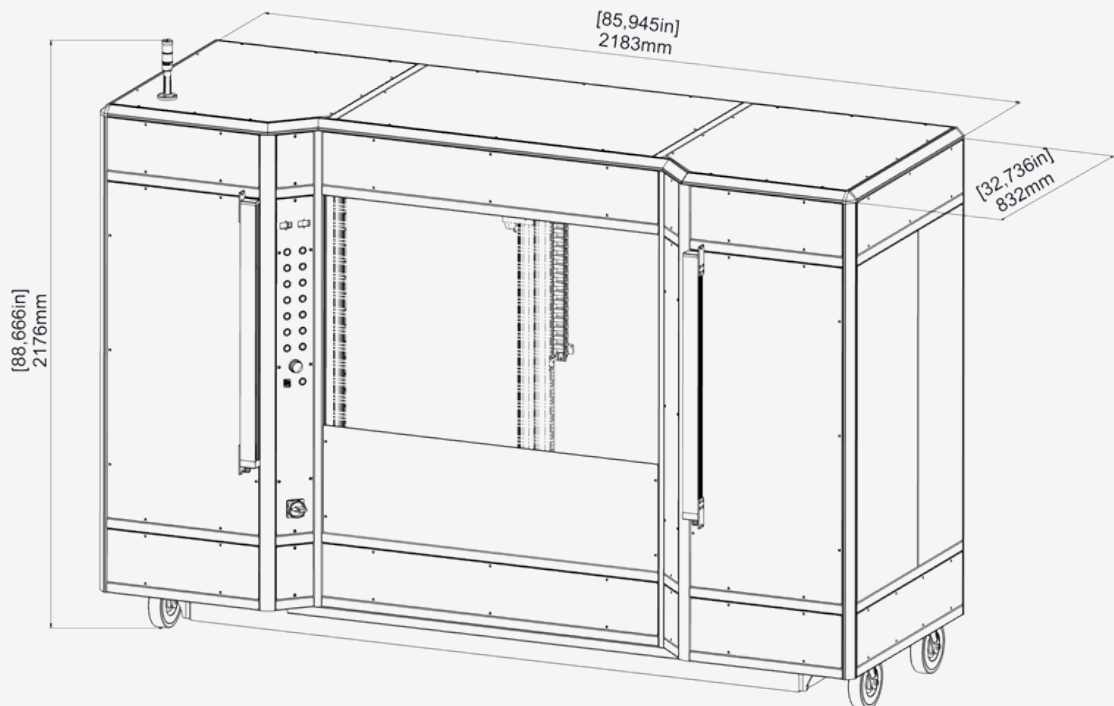


Flying Probe G90 XL



- Premium double sided Flying Probe system
- Multi Image Testing
- Testing voltage up to 1000 Volt
- HiPot measurement (1000V)
- Micro Short Detection
- Embedded resistor test
- Embedded capacitor test
- **Max test size 47.2" x 47.2" / 1200mm x 1200mm**
- High speed lead screw driven motion system mounted on a marble frame
- Glass scale system
- Front and rear fully automatic camera alignment
- Electrical stretch frame – no compressed air connection required
- Quick frame for fast set up of rigid boards
- User friendly, high-speed software made specifically by Gardien
- Plug and Play link with the Gardien AC8
- CE Certificated

PLEASE CONTACT US FOR MORE INFORMATION:

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G90 XL 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 (1front/1back)- Fully automatic camera alignment for easy and fast compensation of board registration	
Max test area (x/y)	47.2" x 47.2"	1200mm x 1200mm
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	2mil	50µm
Smallest testable distance/pitch	3mil	75µm
Board Loading option	Stretch/Quick Frame	

DIMENSIONS & ENVIRONMENTAL CONDITIONS

Width	86"	2183mm
Depth	32.7"	832 mm
Height	75,3"	1910mm (without light)
	84,8"	2160m (with light)
Weight	3860lbs	1750kg
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

OPTIONS

Hardware

- > Vacuum plate: Single Sided for Flex / Thin core/ Inner layer (min Board thickness 3mil/80µm)
- > Multi Board (Quick frame)

Software

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

SOFTWARE

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