



CLTECH
Circuit Line Technologies

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FP8-Matik

Automatic Flying Probe Tester



- Flexible
- Easy and fast setup
- Reliable unattended operation
- Small foot print

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TECHNICAL SPECIFICATION

MECHANICS:

	Manual mode	Auto mode
Number of test probes	4 (2 front / 2 back)	4 (2 front / 2 back)
Max. test area (x/y)	24" x 20" (609mmx508mm)	18.1" x 12.8" (460mm x 325mm)
Max. panel size (x/y)	25" x 21" (635mm x 533mm)	18.1" x 12.8" (460mm x 325mm)
Min. board size	X=0.98" / Y=1.97"	X=4.5" / Y=5" (115mm x 127mm)
Max. board thickness	0.2" (5mm)	0.098" (2.5mm)
Min.board thickness(Vacuum)	0.003" (0.07mm)	NA
Min. board thickness(Standard)	0.015" (0.38mm)	0.039" (1mm)
Loader Capacity		8.7" (220mm)
Repeatable accuracy	0.12mil (0.0030mm)	0.12mil (0.0030mm)
Resolution x/y	0.12mil (0.0030mm)	0.12mil (0.0030mm)
Min. Pad size	1.5mil (38 µm)	1.5mil (38 µm)
Min. Pitch size	4mil (100 µm)	4mil (100 µm)
Test probe pressure	Max.0.17 Oz. (5 g)	Max.0.17 Oz. (5 g)
Number of CCD cameras	2 (1 front / 1 back) for automatic alignment	3(1 front / 1 back for automatic alignment / 1 on the robotic arm for automatic panel recognition

ELECTRONICS:

Test voltage	20 - 1000V (adjustable)
Continuity test	Resistance / Discharge
Isolation test	Resistance / Discharge
Four Wire Kelvin test ready	0.05mΩ minimum
Power Supply	115V/230V, 50/60 Hz, 3.5KW

DIMENSIONS + REQUIREMENTS:

Width x Depth x Height	72" x 57" x 78.7"(1852mm x1440mm x 1995mm)
Weight	Flying Probe 3086 lbs (1440Kg), Automation 550 lbs (250Kg)
Air requirement	6 bar
Room temp. during operation	64°F - 82°F (18°C - 28°C)