

# manialoc8

**Up to  
3000tp/min**



- **Mid-level double-sided flying probe tester with 4-head system**
- **Fully automatic camera alignment**
- **Fully compatible for master board and retest with maniaacceler8**
- **Standard stretch frame for flex boards**
- **Fully integrated in Mania TFI solution**
- **Compatible graphical user interface with all double-sided Mania FPT's**

## High performance X-Y motion

New X-Y motion system speed, optimizing probe displacement on the board.

## New Z probe Carrier

The sophisticated new Z probe carriage permitting faster probe accelerations.

## Camera Alignment

Fully automatic camera alignment for easy and faster board registration.

## Stretching Frame

For testing thin core, flex and inner layers

## Quick Frame

Improve productivity by allowing rigid boards to be changed very quickly as well as mounting multiple boards in frame.

## UCAM SmartFPT

Integrated Data Preparation, using world-class netlist and test point generation algorithms from the highly proven Ucam family.

## FaultStation3

Pinpoint faults offline and repair them with the aid of this highly productive and intuitive software solution.

# Technical Data

## Technical Specifications

### Mechanics:

Number of test probes	4 (2 front / 2 back)	
Max. test area (Stretch frame)	24.4" x 20.0"	620 mm x 510 mm
Max. test area (Quick frame)	24.4" x 18.0"	620 mm x 460 mm
Max. board size (Stretch frame)	27.5" x 20.6"	700 mm x 525 mm
Max. board size (Quick frame)	27.5" x 18"	700 mm x 460 mm
Min. board size	2.0" x 2.0"	50.8 mm x 50.8 mm
Max. board thickness (Stretch frame)	0.120"	3.0 mm
Max. board thickness (Quick frame)	0.200"	5.5 mm
Min. board thickness	0.008"	0.2 mm
Repeatable accuracy	0.60 mil	15 µm
Resolution x/y	0.60 mil	15 µm
Smallest testable pad size	4 mil	100 µm
Smallest testable pitch	8 mil	200 µm
Test probe pressure	10 – 20 g (adjustable).	
Number of CCD cameras	2 (1 front / 1 back) for automatic alignment	
Board Loading	Stretching frame / quick frame	

### Electronics:

Test voltage	20 – 500 V (adjustable)	
Test current	5 – 200 mA (adjustable)	
Continuity test	Resistance / Discharge	
Isolation test	Resistance / Discharge	
Power Supply	230 V, 50/60 Hz	

### Software:

Data input formats	IPC/ MET	
Data preparation software	UCAM	
Verification software	FaultStation3	
Test floor integration	Standard	

### Dimensions + Requirements:

Width	74"	1870 mm
Depth	27"	670 mm
Height	74"	1870 mm
Weight (incl. crate)	1280 lbs	560 kg
Air requirement	6 bar	
Room temp. during operation	50° - 86°F	10° - 30°C