

# JST ELECTRONICS

## Dual Head Flying Probe Tester



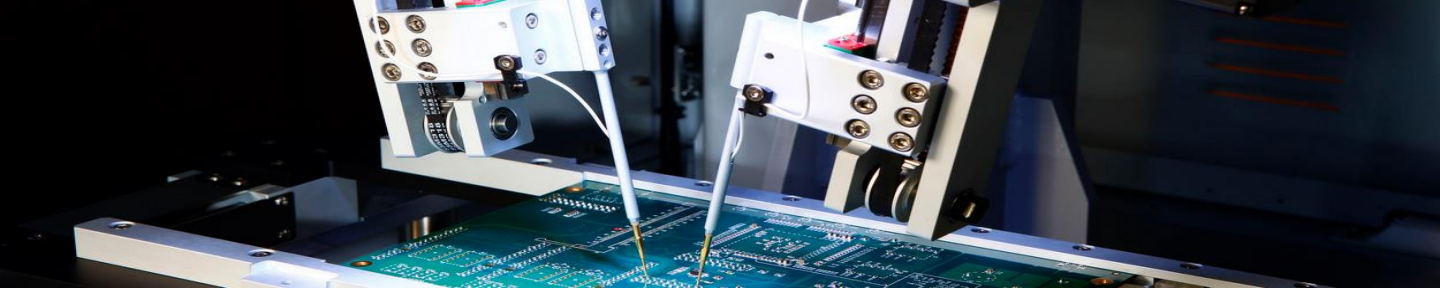
- **Cutting-Edge Design:** Features X-Y-Z motion and high-speed controllers.
- **Innovative Clamping:** Fixtureless operation with new clamping mechanism (without air supply).
- **Quick-Soft Touch:** Rapid & gentle contact.
- **Automated Intelligence:** Automated calibration, teaching, debugging & efficient barcode reading.
- **Optimized Routing:** Advanced probe routing technology.
- **User-Friendly Interface:** Intuitive software for easy navigation and integration.
- **Fault Location Alerts:** Real-time alerts for prompt issue resolution.

### Standard Features:

No.	Inspection	Target Inspection	Power On	Explanation
1	Current Test	PCB'A	O	Measures the voltage between test point (NET) to point (NET).
2	Voltage Test	Power/ Power Point	O	Measures the voltage between the test point (NET) and GND when power is applied through PWR supply and connector of board.
3	In-Circuit Measurement	Passive Element	X	Measures the value of L,R,C,D,Q of each components.
4	Open & Short Test	NET	X	Find an open or short circuit from the target board.
5	VI Impedance Test	Active Element & Passive Element	X	Probe contact a solder pads of active/passive component to measures impedance graph to decide whether its fail or pass. ( Good usage for IC Inspection)
6	Vision Test	All Component	X	Detect target board components of present, absences, reversed and missing.

### Highlight:-

- Full Test Data Stored in CSV format for Off-Line Analysis
- Automated Target Board Image DWG
- Auto Laser Height Sensor
- Partial Area Test & Plan
- Probing Speed Controls
- User Friendly GUI
- Build In Self-Test
- Group Test



## Machine Specification & Dimension:-

### Probing Capability

Flying Probe Heads	2 (Dual)
UUT Probing	Single Side
Min Contact Pad	+/- 150 microns (0.15mm)
Min Contact Pitch	+/- 500 microns (0.5mm)
Component Max Height	40mm
Test Re-try	Programmable
Probe Impact Depth	Programmable
Input Voltage Range	200~240 Vac
Input Frequency Range	50~60Hz

### Measurement Capability

Resistor Range	0.1Ω ~ 100MΩ
Capacitor Range	1pF ~ 10mF
Inductance Range	100nH ~ 5H
Diode Range	0V ~ 10V
FET	Diode and Resistor Test
Photocoupler	Diode and Resistor Test
DC Voltage Range	100mV ~ 300V
Output Voltage	0.00 V ~ 20.0 V Measurement
Output Current	0-8 V/3A or 8-20 V/1.5A
Component Height Measurement	Maximum 40mm

### System controller

Operating System	Window 10 / 64 bit
Monitor	TK-2 24 inch, TK-2X / TK-2R 27 inch
UPS	included
PC	included
TK Multi-Function Unit	included
Motion Controller	included



**TK2**



**TK2X**



**TK2R**

#### TK2

Max. Board Size	380x240mm
Board Thickness	Max 4.5 T
Weight	750KG
Footprint	1200x1100x1700mm

#### TK2X

Max. Board Size	440x470mm
Board Thickness	Max 8.0 T
Weight	850KG
Footprint	1350x1350x1720mm

#### TK2R

Max. Board Size	670x670mm
Board Thickness	Max 8.0 T
Weight	950KG
Footprint	1600x1500x1750mm

# JST ELECTRONICS

"Your Smart Solution Partner"



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