

# MPI IMPACT™ Test Solutions | ITS50-TRIAX

## 50 mm Manual Probe System for accurate and reliable DC/CV measurements

### Microscope Mount and Movement

- Stable bridge for high quality optics
- Microscope pivot XY movement
- 50 mm linear Z with the focus block

### Adjustable Platen Height

- Micrometer control for precise adjustment
- 25 mm range for various applications

### Modular Chuck

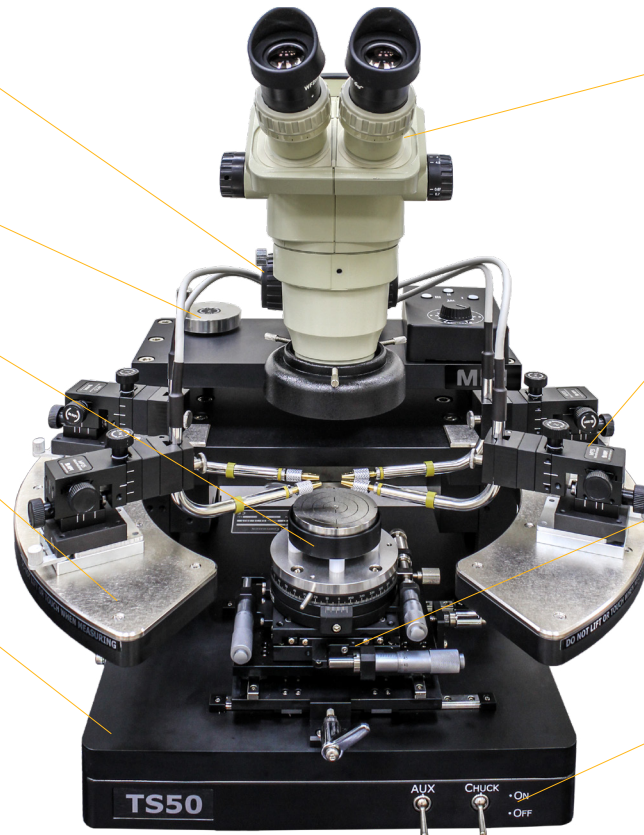
- 50 mm non-thermal triaxial chuck
- Supports DC/CV and RF applications

### Probe Platen

- Stable and rigid design
- Supports DC/CV and RF measurements
- Rectangular adjustments for RF positioners

### Ultra Small Footprint

- 300 x 300 mm base plate designed for bench top use
- Comes with vibration absorber base
- Low profile design for maximum usability
- Ideal for load pull applications



### Microscope and Optics Options

- Stereo MPI ST45
- Various optics options available
- Optional HDMI cameras, monitor user interface without computer

### MicroPositioners

- Includes four MP25 DC positioners with triaxial probe arms and 2 m triaxial cables
- Supports up to 4 RF and 10 DC positioners
- Wide range of positioners available
- Dedicated probe arms for coaxial, Kelvin, RF measurements

### Chuck XY-Theta Stage Movement

- 100 x 75 mm XY total stage movement
- Including 25 x 25 mm fine micrometer control
- ±5° Theta fine adjustment
- Quick release function
- Independent fast XY navigation

### Front Mounted Vacuum Control

- Easy access
- Clearly marked

### \*\*\*Available Options\*\*\*

SZ10U-ITS150  
TC-75EU-ITS

SUPERZOOM 10X / UPGRADE ITS150  
75MM THERMAL CHUCK SYSTEM COAX / 150C / ITS50 UPGR

The complete test package includes:

**TS50 Manual Test System with easy quick release stage movement**

- 100 mm x 75 mm XY total stage movement
- 25 x 25 mm micrometer fine stage movement
- +/- 5 degree fine chuck Theta rotation
- Dedicated 25 mm fine platen height adjustment
- Stable microscope bridge mount
- Vibration absorbing base

**50 mm Triax Chuck, non-thermal**

- Stainless steel chuck top with vacuum rills
- Triax (female) chuck connection
- 2 m triaxial cable (male-male)

**ST45 Stereo Microscope with 6.7:1 zoom ratio**

- Set of 25x eyepieces for optimal magnification
- Working distance 100 mm, C-mount adapter
- 72 LED ring illumination, four-zone selectable, external remote control
- 100-240V AC, CE
- Pivot movement with 50 mm focus block

**4x MP25 DC MicroPositioners for backlash-free probe positioning**

- 10 mm travel range in XYZ, 500 µm screw resolution
- Universal adapter for DC arms
- Easy, convenient, and tool-less arm exchange or height adjustment
- Strong magnet base

**4x Triax Probe Arms, with 2 m triaxial cables**

- Ultra, low-noise triaxial cable
- High-end triaxial connector with cable strain relief

**Tungsten Probe Tips, 7 micron tip radius, one set of 25 tips  
Accessories, wafer tweezers, L-key set**

