

# MPI IMPACT™ Test Solutions | ITS50-RF26

## 50 mm Manual Probe System for accurate and reliable RF measurements

### Microscope and Optics Options

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

### 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

### Probe Platen

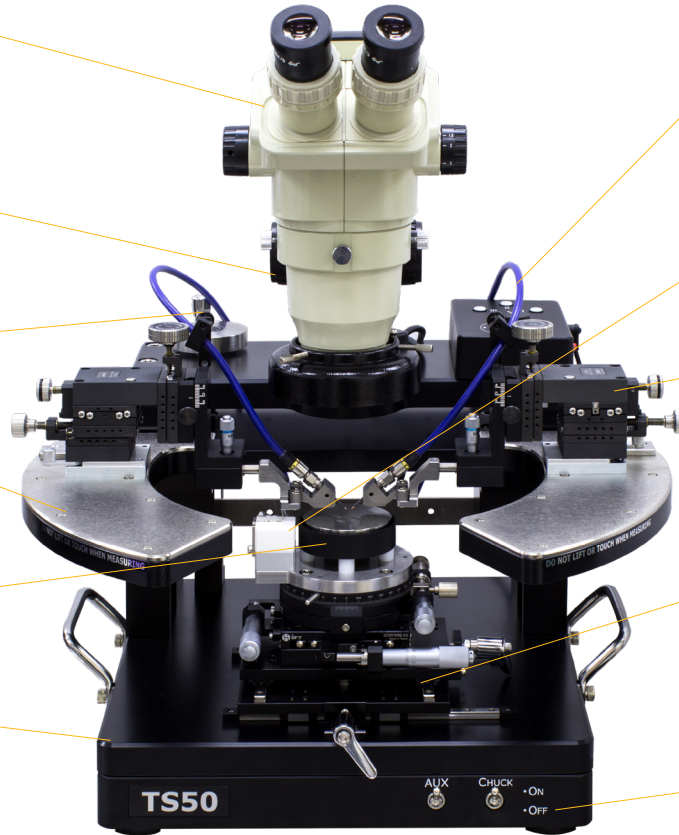
- Stable and rigid design
- Supports DC/CV and RF measurements
- Rectangular adjustments for RF positioners

### Modular Chuck

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

### 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



### RF Probes, Cables and Accessories included

- Two TITAN™ 26 GHz probes and cables
- AC-2 calibration substrate, cleaning pad, and torque wrench
- Interchangeable upgrades for 40, 50, and 67 GHz probes

### RF Calibration

- Auxiliary chuck for calibration substrates
- Built-in ceramic for accurate calibration
- 1 µm flatness for consistent contact quality

### MicroPositioners

- Includes two MP40 RF positioners
- Supports up to 2 RF or 8 DC MicroPositioners
- Wide range of positioners available
- Dedicated probe arms for coaxial, triaxial, Kelvin, RF measurements

### Chuck XY-Theta Stage Movement

- 100 x 75 mm XY 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  
40GHZ-ITS  
50GHZ-ITS  
67GHZ-ITS  
TC-75EU-ITS

SUPERZOOM 10X / UPGRADE ITS50  
40GHZ UPGRADE IMPACT-RF26GHZ  
50GHZ UPGRADE IMPACT-RF26GHZ  
67GHZ UPGRADE IMPACT-RF26GHZ  
75MM THERMAL CHUCK SYSTEM COAX / 150C / ITS50 UPGR.

The complete test package includes:

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

- 100 x 75 mm (4.0 x 3.0 in) 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 RF Chuck, non-thermal**

- Stainless steel chuck top with vacuum holes
- Auxiliary chuck made in ceramic for placement of calibration substrate and accurate RF calibration
- Triax (female) chuck connection

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

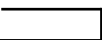
- Set of 25x eyepieces for optimal magnification
- Working distance 100 mm, C-mount adapter
- 72 LED ring illumination, four-zone selectable, external remote control
- 100-240V AC, CE
- Pivot movement with 50 mm focus block

**2x MP40 DC & RF MicroPositioners for backlash-free probe positioning**

- 13 mm travel range in XYZ, 500 µm screw resolution
- Strong magnet base

**2x Probe Arm RF East & West / MP40 with universal probe mount**

- Accurate RF probe planarity by using fine micrometer screw
- Planarity adjustment is located in front for convenient operation, especially when RF cables are installed
- Unique fast and tool-less vertical height adjustments with build-in mm-scale is ideal by working with different RF probe technologies
- RF cable guide, compatible with MP40 MicroPositioner

**2x 26 GHz TITAN™ RF Probes, GSG (SG or GS)**  Interchangeable upgrades for 40, 50, and 67 GHz

**2x 26 GHz RF Cables, 0.8 m** 

**AC-2 Calibration Substrate**

**QAlibria® Software RF Tool Set**

**Accessories, cleaning pad, torque wrench, wafer tweezers, L-key set**

