**MPI IMPACT™ Test Solutions**

50 mm Manual Probe System for accurate and reliable RF measurements

---

**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

---

**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

---

***Available Options***

<table>
<thead>
<tr>
<th>50GHZ-ITS</th>
<th>40GHZ UPGRADE IMPACT-RF26GHZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>50GHZ-ITS</td>
<td>50GHZ UPGRADE IMPACT-RF26GHZ</td>
</tr>
<tr>
<td>67GHZ-ITS</td>
<td>67GHZ UPGRADE IMPACT-RF26GHZ</td>
</tr>
<tr>
<td>TC-75EU-ITS</td>
<td>75MM THERMAL CHUCK SYSTEM COAX / 150C / ITS50 UPGR.</td>
</tr>
</tbody>
</table>
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**