**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 coaxial probe arms and 2 m coaxial BNC cables
- Supports up to 4 RF and 10 DC positioners
- Wide range of positioners available
- Optional probe arms for triaxial, Kelvin and RF measurements

**Modular Chuck**
- 150 mm non-thermal coaxial chuck
- Wide range of optional thermal chucks up to 300 °C
- Field upgradeable for reduced cost of ownership
- Easy switch between center and small wafer size control

**Front Mounted Vacuum Control**
- Easy access
- Clearly marked

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**150 mm Manual Probe System for accurate and reliable DC/CV measurements**

**Microscope Mount and Movement**
- Stable bridge for high quality optics
- 90° tilt for easy reconfiguration
- 25 x 25 mm air bearing or optional 50 x 50 mm linear XY movement

**Adjustable Platen Height**
- Micrometer control for precise adjustment
- 20 mm range for various applications

**Probe Platen**
- Stable and rigid design
- Supports DC/CV and RF measurements
- Rectangular adjustments for RF positioners
- Designed for maximum thermal stability

**Unique Platen Lift**
- Three discrete positions for contact, separation (300 µm) and safety loading (3 mm)
- Safety lock function at loading position
- "Auto Contact" position with ±1 µm repeatability for consistent contact quality

**Ultra Small Footprint**
- Designed for bench top use
- Comes with vibration absorber base
- Low profile design for maximum usability
- Ideal for load pull applications

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***Available Options***
- SZ10U-ITS150
- 50X50MU-ITS150
- MP40U-ITS
- FACILITY-ITS
- TC-150EU-ITS
- SUPERZOOM 10X / UPGRADE ITS150
- 50x50MM LINEAR MICROSCOPE MOVEMENT / UPGRADE ITS150
- MP40 UPGRADE IMPACT - COAX / TRIAX
- FACILITY UPGRADE IMPACT / 110 - 230V
- 150MM THERMAL CHUCK SYSTEM COAX / 150C / UPGR

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FACT SHEET - ITS150-COAX, QMS-C-AS-018-01, 04-2017 © MPI Corporation 2017 - Data subject to change without further notice.
The complete test package includes:

**TS150 Manual Test System with puck controlled air-bearing stage**
- 180 x 230 mm (7.1 x 9.1 in) XY total stage movement
- 25 x 25 mm micrometer fine stage movement
- ±5 degree fine chuck Theta rotation
- Platen lift with discrete contact, separation (300 µm) and loading (3 mm) positions for ease of use, safety lock function at loading position
- Dedicated 20 mm fine platen height adjustment
- Stable microscope bridge mount
- Vibration absorbing base

**150 mm Coax Chuck, non-thermal**
- Stainless steel chuck top with vacuum rills
- BNC (female) chuck connection
- 2 m coaxial cable male-male BNC

**Air-Bearing Microscope Movement / 25x25 mm**
- Precision 25 mm x 25 mm X-Y microscope transport
- Very easy to operate, vacuum fixation with convenient On-Off switch
- 90 degree tilt for easy and safety probe replacement or reconfiguration
- 50 mm focus block

**ST45 Stereo Microscope with 6.7:1 zoom ratio**
- Set of 25x eyepieces for optimal magnification
- Working distance 100 mm, C-mount adapter
- T2 LED ring illumination, four-zone selectable, external remote control
- 100-240V AC, CE

**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 Coax Probe Arms, incl. 2 m coaxial cables**
- Tungsten Probe Tips, 7 micron tip radius, one set of 25 tips
- Accessories, wafer tweezers, L-key set