

MPI TS150-HP | 150 mm High Power Manual Probe System

For accurate High Power measurements up to 10 kV, 600 A

Microscope Mount and Movement

- Stable bridge for high quality optics
- Linear z lift for easy reconfiguration
- 25 x 25 mm air bearing or 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, RF and High Power 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 $\pm 1 \mu\text{m}$ repeatability for consistent contact quality

Platen Arc Shield

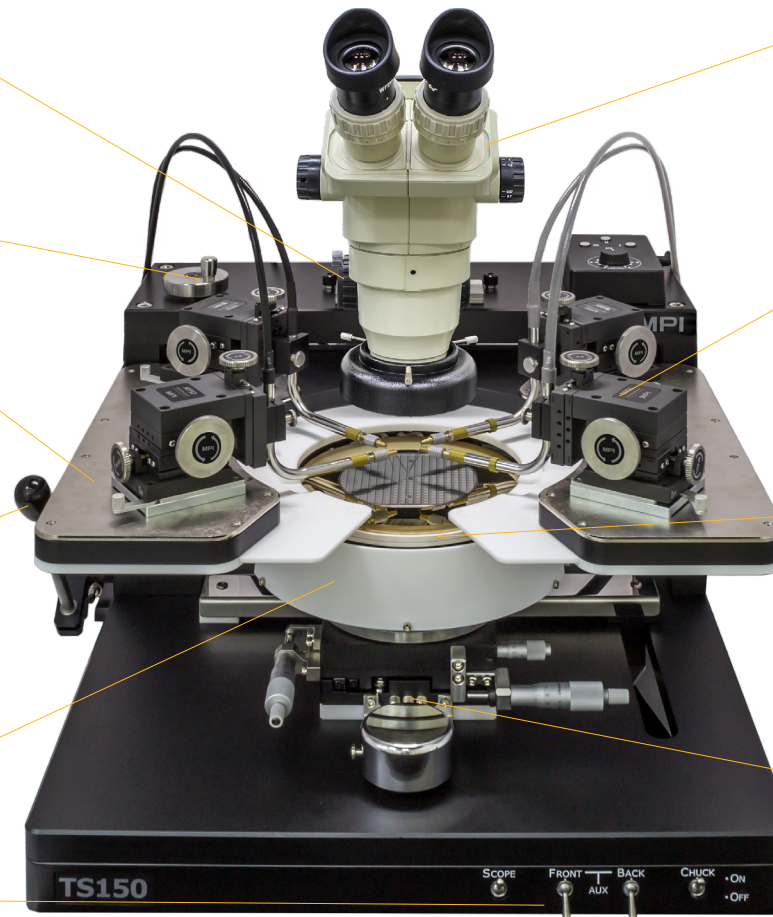
- Designed for safe operation
- Prevents platen high voltage arching from chuck

Front Mounted Vacuum Control

- Easy access
- Clearly marked

Available Options

- Vibration isolation platform
- Vacuum pump and air compressor unit



Microscope and Optics Options

- Various optics options available
- Stereo MPI ST45 or single tube MPI SZ10, MZ12 with up to 12x zoom and 95 mm working distance
- High Power microscopes FS70/PSM-1000
- HDMI cameras, monitor user interface without computer

Positioners and High Power Probes

- Supports up to 4 high current and 8 high voltage positioners
- Various positioners available
- Dedicated Coax and Triax high voltage and high current probe arms (up to 400 A pulse)

Modular Chucks

- Various non-thermal and thermal chucks
- Wide range of temperature up to 300°C
- Thin wafer handling capability
- 10 kV (Coax), 3 kV (Triax)
- Gold plated for low contact resistance
- MPI chuck connectors for safe instrument connection

Chuck XY Stage Movement

- Unique puck controlled air bearing stage for quick single-handed operation
- 180 x 230 mm XY total stage movement
- Resolution < 1.0 μm (0.04 mils) @ 500 $\mu\text{m}/\text{rev}$
- Extra wide Y-range for easy loading
- $\pm 5^\circ$ Theta fine adjustment

Note

- Includes low-noise Dark Box with safety interlock, light and EMI shielding