

# MPI TS300 | 300 mm Manual Probe System

## For accurate and reliable DC/CV and RF measurements

### Microscope Mount and Movement

- Stable bridge for high quality optics
- Linear Z lift for easy reconfiguration
- 25 x 25 mm air bearing or 150 x 150 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

### Platen Lift

- Three discrete positions for contact, separation (300  $\mu$ m) and safety loading 3 mm
- Safety lock function at loading position
- $\pm 1 \mu$ m 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

### Front Mounted Vacuum Control

- Easy access
- Clearly marked



### 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 with up to 5 MP available

### Modular Chucks

- Various ambient or thermal chucks
- Choice of triaxial or coaxial connection
- Wide range of temperature up to 300  $^{\circ}$ C
- Field upgradable for reduced cost of ownership
- Easy switch between center and small wafer size control

### DC and RF Positioners

- Supports up to 4 RF and 8 DC positioners
- Wide range of positioners available
- Dedicated probe arms for DC/CV and RF measurements

### RF Calibration

- 2 auxiliary chucks for calibration substrates
- Built-in ceramic for accurate calibration
- 1  $\mu$ m flatness for consistent contact quality

### Chuck XY Stage Movement

- Unique puck control air bearing stage for quick single-hand operation
- 325 x 350 mm XY movement
- Extra wide Y-range for easy loading
- $\pm 5^{\circ}$  Theta fine adjustment

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

- Vibration isolation platform
- Vacuum pump and air compressor unit
- Table with integrated rack for thermal controller, computer and keyboard push tray (Dual monitor stand option & Instrument shelf option)