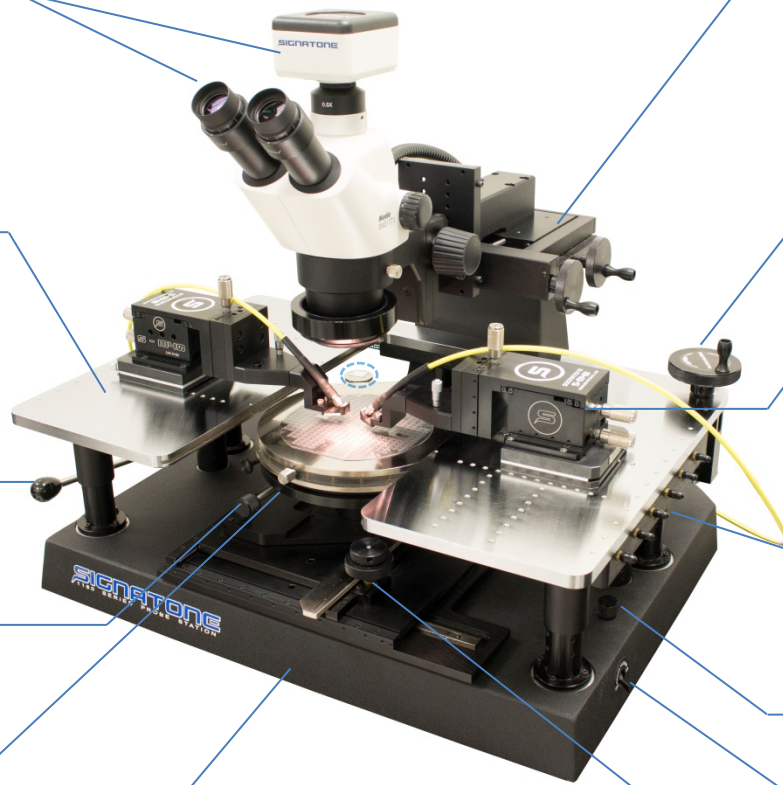


## Signatone WL-1160 | 150mm - 200mm Manual Probe System

Performance – Quality – Value - for reliable and accurate RF-mmW, DC/CV, and High Power Test Measurements



### Microscope and Imaging Options

- Various optics available
- A-zoom 10:1, or Seiwa 12:1 zoom Scopes
- FS70, PSM-100 High Power Microscopes
- Motic and Leica low Power Microscopes
- SMP HDMI digital or CCD camera.

### Platen

- Ridged, stable steel design ( 12.7mm thick).
- RF positioner mounting holes (hard mount)
- Supports Vacuum or Magnetic
- Supports rectangular probe cards.
- Course and fine lift adjustment for DUT set-up.

### Linear Platen "Quick-Lift" Lever

- Ergonomically-Correct 0 to 9.5mm (0.375") "Z" range of platen lift for probe to pad separation

### Chuck Theta Rotation

- Standard 360° rotation for quick- easy alignment
- Optional Fine rotation ( $\pm 6^\circ$ ) and theta-lock

### Modular Chucks

- A variety of ambient or thermal chucks available.
- Auxiliary calibration substrate chuck
- Standard configuration includes ambient chuck with pin hole vacuum selector zones (5mm-200mm test samples) and Coaxial, Triaxial connections available.

### Small Footprint

- Designed for use with bench top and vibration tables
- Includes vibration absorption feet
- Low profile design for maximum test integration
- Economically designed for field upgrade
- Ideal for RF, mmW, load pull, CV/IV, high power, MEMS..

### --Available Options--

- 2<sup>nd</sup> Auxiliary calibration chuck
- Hot Chuck & Controller
- Recirculation Chiller/closed-loop
- Vibration Isolation Table
- Vacuum pump/Air compressor
- EMI Shielded DarkBox's

### Microscope Mount and Movement

- Stable microscope bridge
- 50mm x 50mm manual X-Y
- 25mm-100mm "Z" varies on microscope selection

### Platen Fine "Z" Adjust

- Provides 34mm (1.35") fine platen "Z" adjustment for DUT with varying thickness.

### MicroPositioners and Probes

- Supports RF-mmW, DC , HP Micropositioners.
- A variety of MicroPositioner selections.
- RF Heads (18 -40 GHz, 40-110GHz).
- DC, Coax, Triax, (nA, pA, fA, fF).
- High voltage (3kV TRX, 5kV-12kV COAX),
- High Current probes (up to 100A).

### MicroPositioner Vacuum Connection

- 10 Vacuum connections (5 on each side) for holding Micropositioners

### Vacuum Port Control

- MicroPositioner Vacuum Intensity Adjustment

### Chuck Vacuum

- On /Off Toggle switch

### Chuck X-Y Motion Control

- Coaxial Knob Gear Drive Stage
- Travel Range 203 x 203 mm X- Y
- 5 $\mu$  (micron) resolution
- Fine Travel: 12mm x 12mm (0.5" x 0.5") (optional)
- Fine Travel Resolution: <1 $\mu$ m (0.001mm) @ 250 $\mu$ m/rev