

Signatone H-150 5mm - 100mm Manual Probe System Economically designed for reliable and accurate analytical testing of DC, CV-IV, applications.

❖ FEATURES / BENEFITS

Multi – Use

- Designed for a wide variety of test.
- Robust design intuitive motion controls

Ergonomics and Optional Configurations

- Ease of use, single-handed X-Y Stage knobs for quick movement.
- Quick platen lift with adjustable platen separation
- Chuck rotation for DUT alignment
- Steel platen accepts Positioners (magnetic or vacuum mount)
- Available in multiple configurations including a variety of chuck options, micropositioners, microscopes, camera's, PCB holders, and more.
- Optional Vibration Isolation tables, Thermal chucks, dark-box, and other accessories



❖ SPECIFICATIONS

Chuck XY Stage (Standard)

| | |
|-------------------|-----------------------------------|
| Travel Range | 101.6mm X 101.6mm (4 x 4 in) |
| Travel Resolution | 75 µm Per Degree of Knob Rotation |
| Theta Travel | 360° |
| Planarity | < 10 µm |

Chuck to Platen

| | |
|--|----------------|
| Chuck to Platen Separation (Quick Lift) | 12.75mm (1/2") |
| Chuck to Platen Separation (Fine Adjust) | 38.1mm (1.5") |

Standard Microscope Mount (Fixed)

| | |
|-----------------|--|
| Movement Range | No X-Y motion |
| Scope "Z" Range | 25mm-100mm * (dependent on microscope selection) |

❖ PROBE PLATEN

Specifications

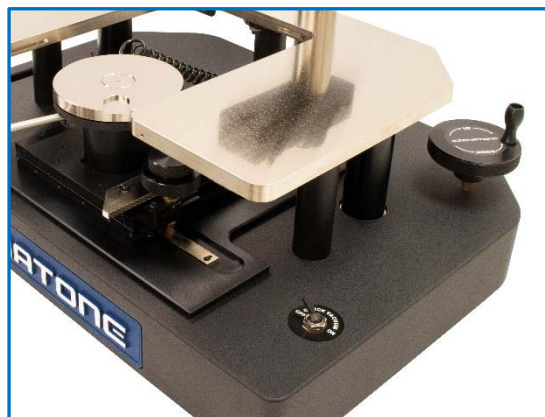
| | |
|---------------------------------|---|
| Design | Four Post Support |
| Dimension | L = 260.25.5mm x W = 406mm x H = 12.7mm 10.25" x 16" x 0.5" |
| Chuck to Platen Top | Min. 12.7mm (Variable Separation with Fine Platen Adjust) |
| Max. No of Micro Positioners | 6 x DC |
| Quick Platen Lift Control (CVL) | Continuous Variable Lift (0 to 12.7mm) |
| Contact Repeatability | < 1 µm (0.04 mils) by Manual Control |
| Micro Positioner Mounting | Magnetic (vacuum optional) |

Signatone Multi Benefit Ergonomically Correct Platen Adjust and Features:

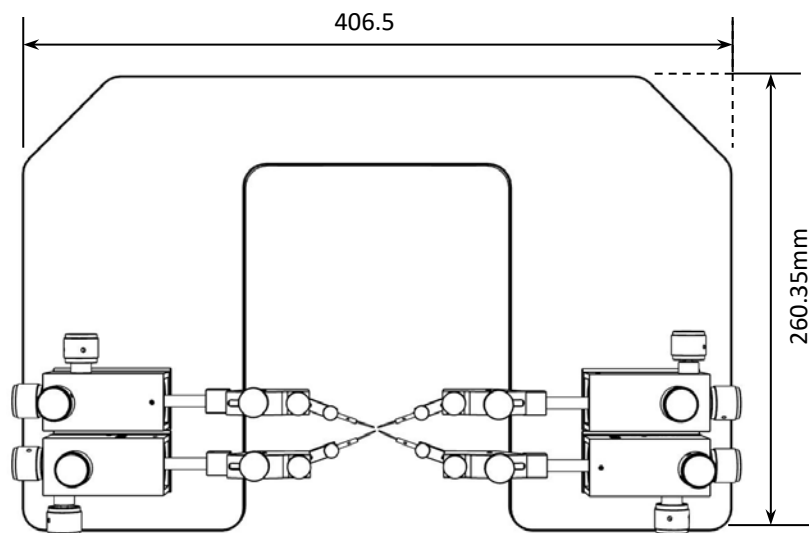
- "Quick Lift" with Continuous Variable Lift (CVL) for easy probe to pad separation and alignment
- "Fine Adjust" for Probe card and variable Chucks and DUT thickness setup



Platen "Quick Lift"



Platen "Fine Adjust"



Sample Configured with 4 DC Probes

❖ SYSTEM DIMENSIONS

H-150 / including microscope*

| | | |
|------------------------|-------------------------|--------------------------|
| Dimensions (L x D x H) | 375mm x 508mm x 390mm * | (14.76" x 20" x 15.35"*) |
| Weight | 34kg | (75 lbs.) |

* Can vary dependent on platen adjust, shelf, and microscope selection

