

Signatone CM-210 | 200mm High Precision Manual Probe System For Reliable and Accurate DC, CV/IV, HP/HV, and RF-mmW, 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
- 5MP HDMI digital or CCD camera.

Platen

- Ridged, stable steel design (12.7mm thick).
- 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 3.175mm (1/8")
"Z" range of platen lift for probe to
pad separation

Chuck Theta Rotation / Planarization

- Standard 22° micrometer driven rotation
- Three -Point chuck planarization for easy setups

Modular Chucks

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

Ultra-Stable- Generous Sized Footprint

- Designed for use with lab bench and vibration tables
- Includes vibration absorption feet
- Ultra-Stable 50mm thick solid Al base
- Designed for field upgrade
- Ideal for CV/IV, HP/HV, MEMS RF, mmW, load pull.

--Available Options--

- 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-Y-Z manual
- 100mm "Z" pneumatic "quick-lift"

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 with Independent Control Valves

- MicroPositioner Vacuum Intensity Adjustment

Chuck "Z" and Vacuum On-Off

- On /Off Toggle switch

Platen Fine "Z" Adjust and Lock

- Provides 38.1mm (1.5") fine platen "Z"
adjustment for DUT with varying thickness.
- Platen "Z" Lock for setup integrity

Chuck X-Y Motion Control

- Precision Leadscrew – Carriage and Rails
- Travel Range 205 x 205 mm X- Y
- 1.5μ (micron) resolution
- Course & Fine 10:1 X & Y control knobs

