



C-6 Probe Station

Entry level probe station for all your DC and RF requirements

The C series is our entry level probe station product line. It's features fundamental mechanisms for your basic probing needs. This providing repeatable, accurate measurements in both DC and RF applications. :

Features

- Low profile coaxial-driven style stage
- Chuck Up/Down Adjustment
- Back-lash free movement
- Mounting for 12 micropositioners
- Passive Vibration Isolation

Applications

- Basic IV/CV
- RF, Single Broadband Probing
- Photonics

Accessories

- Hot Chuck with Temperature Controller
- Vibration Free Table
- Shielding Box

C-6 PROBE STATION

Your Partner in Probing Solutions

Station Specifications

Station Footprint	580 mm W x 460 mm D
Station Height	450 mm (to Platen)/700 mm (to Microscope)
Station Weight	40kg
Platen Material	Hard Chrome Plated Steel
Platen Dimension	250 mm Inner, 450mm Outer
Platen Capacity	12 DC or 4 RF 4 DC
Positioner Mount	Magnetic ON/OFF Switch
No. of Vacuum Switches	3
Chuck Material	Stainless Steel
Chuck Stage Type	Coaxial (Large Knob Optional)
Chuck Travel Range	6" x 6"
Chuck Quick Resolution	25 mm/rev
Chuck Fine Resolution	1 μ m
Chuck Theta Coarse Travel	360°
Chuck Z-Motion	4 mm Range
Chuck Z Fine Resolution	1 μ m
Coaxial Chuck Movement	Bevelled Gear and Rack 0.8mm Pitch
Large Knob Chuck Movement	High Precision Linear Stage
Chuck Size	6" (150 mm)
Chuck Planarity	3 μ m
Chuck Rigidity	15 μ m / 10 N @ edge
Chuck Vacuum Grooves	Center, 1", 3", 5" (Individually Controlled)
Chuck Bias Capacity	Up to 1 kV
Chuck Isolation	2 G Ω
DUT Size Range	2 mm - 150 mm
Microscope Zoom Range	1x - 5x
Microscope Eye Piece	20x
Microscope Magnification Range	20x-100x

*Other microscopes are available in our supply. For more questions, please contact us directly

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Micropositioner Options

All micropositioners offer X-Y-Z linear-motion travel with no backlash with mounting options including magnet, vacuum or magnet switch



EB-050

Resolution: 0.8 μm

Screw Resolution: 212 μm

Travel Range: Linear 12 mm X-Y-Z

Dimensions: 52 mm W x 96 mm D x 76 mm H

Weight: 550 g

Use For: DC/RF Capable



EB-700

Resolution: 2 μm

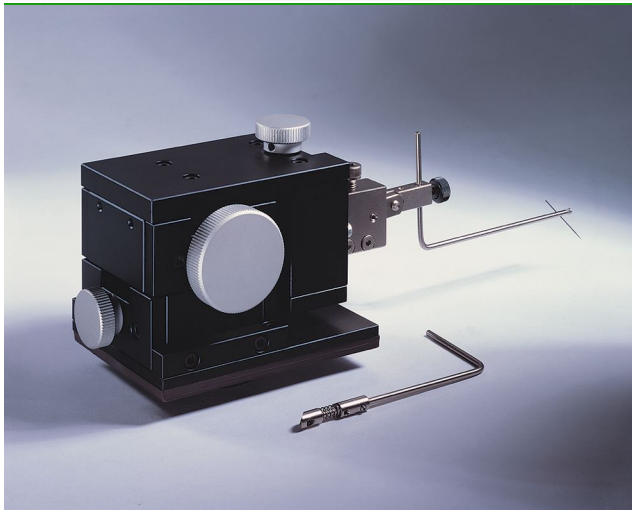
Screw Resolution: 630 μm

Travel Range: Linear 12 mm X-Y-Z

Dimensions: 38 mm W x 62 mm D x 45 mm H

Weight: 200 g

Used For: DC Only



EB-005

Resolution: 0.3 μm

Screw Resolution: 125 μm

Travel Range: Linear 12 mm X-Y-Z

Dimensions: 90 mm W x 130 mm D x 90 mm H

Weight: 1000 g

Used For: DC/RF Capable

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Accessory and Options



C-6RF Option

The RF Option includes additional U-shaped chuck with auxiliary for contact and calibration substrates, and a fine theta screw to assist in aligning devices with probes.



VFT-3636

Dimension: 36" W x 36" D x 36" H
Vertical Natural Frequency: 1.5 Hz
Isolation Efficiency: @ 5 Hz 85%
Horizontal Natural Frequency: 1.2 Hz
Isolation Efficiency: @ 5 Hz 91%
Air Requirement: 80 psi
Net Load: 200 kg
Material: Stainless Steel TableTop