



## 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

Distribution in the UK & Ireland



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# 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 $\mu$ m
Chuck Theta Coarse Travel	360°
Chuck Z-Motion	4 mm Range
Chuck Z Fine Resolution	1 $\mu$ 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 $\mu$ m
Chuck Rigidity	15 $\mu$ m / 10 N @ edge
Chuck Vacuum Grooves	Center, 1", 3", 5" (Individually Controlled)
Chuck Bias Capacity	Up to 1 kV
Chuck Isolation	2 G $\Omega$
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

# C-6 PROBE STATION

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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

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### EB-050

**Resolution:** 0.8  $\mu\text{m}$

**Screw Resolution:** 212  $\mu\text{m}$

**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

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### EB-700

**Resolution:** 2  $\mu\text{m}$

**Screw Resolution:** 630  $\mu\text{m}$

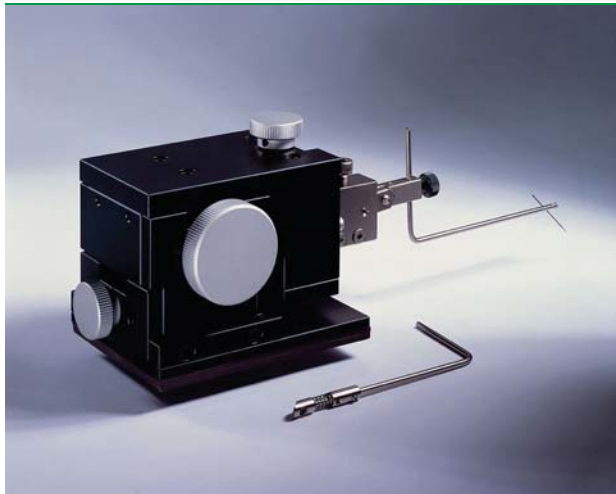
**Travel Range:** Linear 12 mm X-Y-Z

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

**Weight:** 200 g

**Used For:** DC Only

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### EB-005

**Resolution:** 0.3  $\mu\text{m}$

**Screw Resolution:** 125  $\mu\text{m}$

**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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# C-6 PROBE STATION

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## Accessory and Options

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### 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