

Your Partner in Probing Solutions



BD-4 Probe Station

State of the art probe station for all
your DC and RF requirements

The BD series is our top of the line probe station. It's features and foundation are solid for providing repeatable, accurate measurements in both DC and RF applications. :

Features

- Large Knob High Precision Stage
- Back-lash free movement
- Mounting for 12 micropositioners
- 4.5" Probe Card Holder compatible
- Platen Height Adjustable
- Micropositioner Standby Dock
- Microscope Tilting for E-Z lens switching

Applications

- Basic IV/CV
- RF, Single Broadband Probing
- High Voltage, High Current

Accessories

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

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Station Specifications

Station Footprint	520 mm W x 490 mm D
Station Height	450 mm (to Platen)/700 mm (to Microscope)
Station Weight	80kg
Platen Material	Hard Chrome Plated Steel
Platen Dimension	205 mm Inner, 520 mm Outer
Platen Capacity	12 DC or 4 RF 4 DC
Positioner Mount	Magnetic ON/OFF Switch
No. of Vacuum Switches	3
Platen Z-Motion Range	25 mm (Fine), 6 mm (Coarse)
Platen Z-Fine Resolution	1 μ m
Platen Z Movement	Gear and Belt (Fine), Lever (Coarse)
Chuck Material	Stainless Steel
Chuck Stage Type	Large Knob Precision Movement
Chuck Travel Range	4" x 4"
Chuck Quick Movement	Quick Y Rail Movement for Easy Sample Loading
Chuck Fine Resolution	1 μ m
Chuck Theta Coarse Travel	360°
Chuck Theta Fine Resolution	0.01°
Large Knob Chuck Movement	High Precision Linear Stage
Chuck Size	4" (100 mm)
Chuck Planarity	3 μ m
Chuck Rigidity	15 μ m / 10 N @ edge
Chuck Vacuum Grooves	Center, 0.5", 1.5", 2.5" (Individually Controlled)
Chuck Bias Capacity	Up to 2 kV
Chuck Isolation	5 G Ω
DUT Size Range	2 mm - 150 mm
Microscope Stage Type	High Precision Linear Stage
Microscope Stage Resolution	1 μ m
Microscope Stage Travel Range	2" x 2"
Microscope Tilting (Optional)	35°
Microscope Zoom Range	1x - 5x
Microscope Eye Piece	20x
Microscope Magnification Range	20x-100x

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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

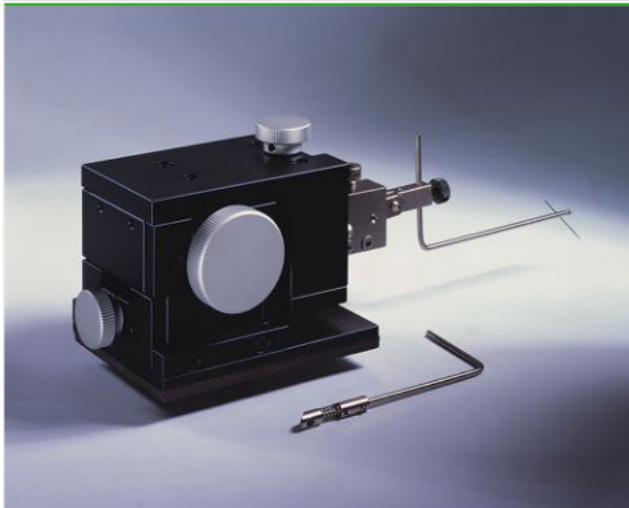
Screw Resolution: 630 μm

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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Vibration Free Table Option



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