EVERBEING INT'L CORP.

Your Partner in Probing Solutions



EB-6V mmW Probe Station

Optimized mmW Probe Station for precise integration with VDI, OML, Keysight, R&S Millimeter-Wave Modules

The EB-6V is a market proven solution for mmW research. The following features are available to the system:

Features

- Customized positioners to reduce waveguides between millimeter-wave modules and probe head
- Firm and stable positioners for extenders and tuners of all sizes
- Integrated dial gauge determining contact scratch on probes
- Precise integration allowing direct link of probes
- North and south bridge for additional DC and RF micropositioners
- Coaxial style high precision stage
- Back-lash free movement
- Micropositioner Standby Dock

Applications

- High Performance RF
- Single Broadband Probing
- Differential mm-Wave
- Basic DC (IV/CV)

Accessories

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



EB-6V PROBE STATION

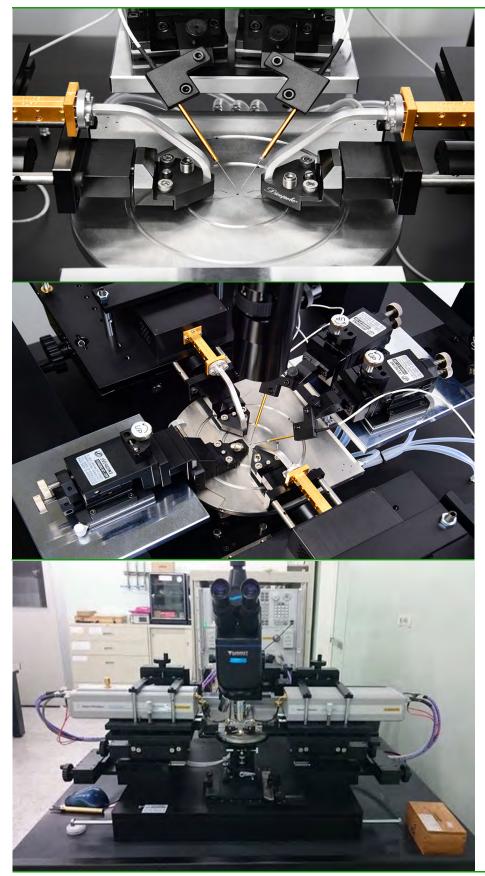
Your Partner in Probing Solutions

Station Footprint	760 mm W x 660mm D
Station Height	450 mm (to Platen)/700 mm (to Microscope
Station Weight	80kg
Platen Material	Hard Chrome Plated Steel
Platen Dimension	120 mm x 180 mm (North and South)
Platen Capacity	4 RF and 2 DC or 2 RF and 4 DC
Positioner Mount	Magnetic ON/OFF Switch
No. of Vacuum Switches	4
Chuck Material	Stainless Steel
Chuck Stage Type	Coaxial
Chuck Travel Range	6" x 6"
Chuck Fine Resolution	1 μm
Chuck Theta Coarse Travel	360°
Chuck Theta Fine Resolution	0.01°
Chuck Z-Motion Range	4 mm
Chuck Z-Fine Resolution	1 μm
Coaxial Chuck Movement	Bevelled Gear and Rack 0.8 mm Pitch
Chuck Size	6" (150 mm)
Chuck Planarity	3 μm
Chuck Rigidity	15 μm / 10 N @ edge
Chuck Vacuum Grooves	Center, 1.5", 3.5",7" (Individually Controlled
Chuck Bias Capacity	Up to 2 kV
Chuck Isolation	5 GΩ
DUT Size Range	2 mm - 150 mm
Microscope Stage Type	High Precision Linear Stage
Microsope Stage Resolution	1 µm
Microscope Stage Travel Range	2" x 2"
Microscope Z-Lift(Optional)	6 mm (Pneumatic)
Microscope Zoom Range	1.4x - 9x
Microscope Eye Piece	30x
Microscope Trinocular Port	C-Mount, 2x Adapter
Microscope Magnification Range	42x-270x



EB-6V PROBE STATION

mmW Micropositioner Features



EB-KRF

Linear Resolution: 0.5 μm Angular Resolution: 0.0005° Travel Range: Linear 50 mm X-Y, 25 mm Z, Angular ±5° Dimensions: 290 mm W x 140 mm D x 130 mm H Weight: 6000 g Extender Compability: VDI, OML, Keysight, R&S, and other similar sized extenders

Stiffness: 150 Kgf **Screw Type**: 3/8" Stainless Steel lead screw **Probing Depth Indicator**: 0.5 μm

No. 1 Jinshan 2nd St. Hsinchu, 30080 Taiwan, R.O.C

www.everbeingprober.com +886-3-666-2000



Micropositioner Options

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

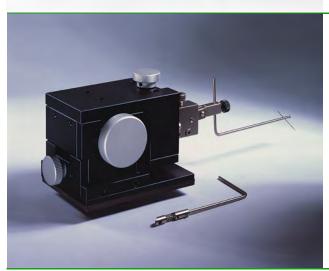


EB-050

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

No. 1 Jinshan 2nd St. Hsinchu, 30080 Taiwan, R.O.C

www.everbeingprober.com +886-3-666-2000



EB-6V PROBE STATION

Vibration Free Table Option (Recommended)



VFT-4836

Dimension: 48" 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

