

# EB MICROPOSITIONERS

## Overview

Everbeing micropositioners are made with highest standards of craftsmanship. All models performs with consistent, repeatable X-Y-Z linear-motion travel with no backlash. Each micropositioner has different mounting options available. Not all models are compatible with every probe station. Please consult us for more information.

All dimensions shown are reference to W x D x H



### EB-050

<b>Resolution:</b>	0.8 $\mu\text{m}$
<b>Screw Resolution:</b>	317 $\mu\text{m}$
<b>Travel Range (XYZ <math>\theta</math>):</b>	12 mm x 12mm x 12mm x $\pm 15^\circ$
<b>Dimensions:</b>	52 mm x 96 mm x 76 mm
<b>Weight:</b>	550 g
<b>Application:</b>	DC, Kelvin, RF
<b>Mount Type:</b>	Magnet, Vacuum, Magnet ON/OFF

\*Theta ( $\theta$ ) adjustment for RF version only



### EB-700

<b>Resolution:</b>	2 $\mu\text{m}$
<b>Screw Resolution:</b>	630 $\mu\text{m}$
<b>Travel Range (XYZ):</b>	12 mm x 12mm x 12mm
<b>Dimensions:</b>	38 mm x 62 mm x 45 mm
<b>Weight:</b>	200 g
<b>Application:</b>	DC, Kelvin
<b>Mount Type:</b>	Magnet, Vacuum, Magnet ON/OFF

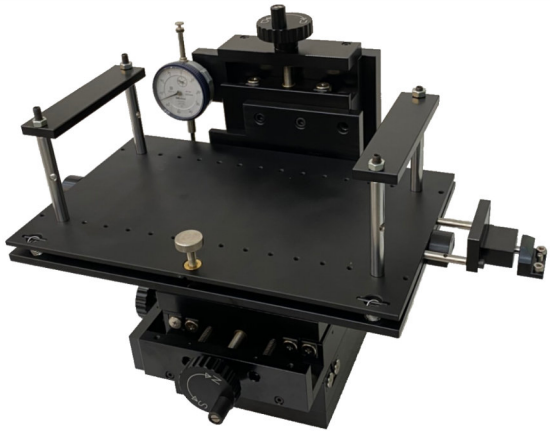


### EB-005

<b>Resolution:</b>	0.7 $\mu\text{m}$ / 0.3 $\mu\text{m}$
<b>Screw Resolution:</b>	253 $\mu\text{m}$ / 125 $\mu\text{m}$
<b>Travel Range (XYZ <math>\theta</math>):</b>	12 mm x 12mm x 12mm x $\pm 15^\circ$
<b>Dimensions:</b>	90 mm x 130 mm x 90 mm
<b>Weight:</b>	1000 g
<b>Application:</b>	DC, Kelvin, RF
<b>Mount Type:</b>	Magnet, Vacuum, Magnet ON/OFF

\*Theta ( $\theta$ ) adjustment for RF version only

# EB MICROPOSITIONERS



## EB-KRF

<b>Resolution:</b>	1 $\mu\text{m}$
<b>Screw Resolution:</b>	1028 $\mu\text{m}$
<b>Travel Range (XYZ <math>\theta</math>):</b>	50 mm x 50mm x 50mm x $\pm 15^\circ$
<b>Dimensions:</b>	400 mm x 270 mm x 340 mm
<b>Weight:</b>	6500 g
<b>Application:</b>	DC, RF, mmW
<b>Mount Type:</b>	Screw to Station Base, Optical Table



## EB-AN125

<b>Resolution:</b>	0.8 $\mu\text{m}$
<b>Screw Resolution:</b>	253 $\mu\text{m}$
<b>Travel Range (XYZ <math>\theta</math>):</b>	25 mm x 25 mm x 12mm x $\pm 15^\circ$
<b>Dimensions:</b>	110 mm x 160 mm x 90 mm
<b>Weight:</b>	1400 g
<b>Application:</b>	mmW (Anritsu only)
<b>Mount Type:</b>	Screw to Station Platen



## EB-KRF-C

<b>Resolution:</b>	1 $\mu\text{m}$
<b>Screw Resolution:</b>	423 $\mu\text{m}$
<b>Travel Range (XYZ <math>\theta</math>):</b>	50 mm x 50 mm x 25 mm x $\pm 15^\circ$
<b>Dimensions:</b>	150 mm x 150 mm x 45 mm (Base)
<b>Weight:</b>	5500 g
<b>Application:</b>	DC, RF, mmW, Load Pull
<b>Mount Type:</b>	Screw to Station Platen

\*Theta ( $\theta$ ) adjustment for RF version only



## EB-CG250

<b>Resolution:</b>	1 $\mu\text{m}$
<b>Screw Resolution:</b>	1028 $\mu\text{m}$
<b>Travel Range (XYZ <math>\theta</math>):</b>	25 mm x 30 mm x 25 mm x $\pm 15^\circ$
<b>Dimensions:</b>	90 mm x 130 mm x 90 mm
<b>Weight:</b>	5800 g
<b>Application:</b>	Cryo DC/RF
<b>Mount Type:</b>	Screw to Cryo Station Platen

\*Theta ( $\theta$ ) adjustment for RF version only

# EB MICROPOSITIONERS

## Application Wizard

	DC <sub>1</sub>	Kelvin <sub>2</sub>	RF <sub>3</sub>	mmW
<b>EB-050</b>	✓	✓	✓	
<b>EB-700</b>	✓	✓		
<b>EB-005</b>	✓	✓	✓	
<b>EB-KRF</b>	✓		✓	✓
<b>EB-AN125</b>			✓	✓ <sub>4</sub>
<b>EB-KRF-C</b>	✓		✓	✓
<b>EB-CG250</b>	✓		✓	

Notes:

1. DC application includes both Coaxial and Triaxial connection types
2. Kelvin includes low leakage triaxial, and CV measurements for frequencies up to 150 MHz
3. RF includes up to 67 GHz and dependant on accessories
4. This is for Anritsu mmW Modules Only such as the Anritsu 3743A

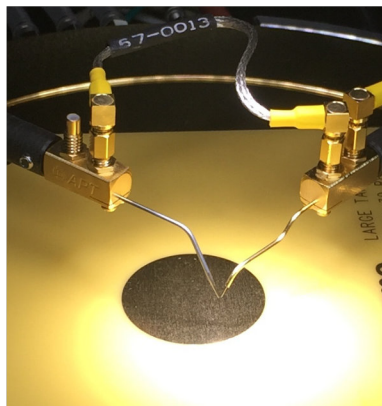
## System Wizard\*

	C	EB	BD	EB-*V	EB-*A	CG-196
<b>EB-050</b>	✓	✓	✓	✓	✓	
<b>EB-700</b>	✓	✓	✓	✓	✓	
<b>EB-005</b>	✓ <sub>1</sub>	✓	✓	✓	✓	
<b>EB-KRF</b>				✓		
<b>EB-AN125</b>					✓	
<b>EB-KRF-C</b>			✓		✓	
<b>EB-CG250</b>						✓

Notes:

- \*Most of our products are compatible with other brand of probe stations or optical table top setups.  
Please confirm with us for more details
1. EB-005 is incompatible with C-2, other C series are compatible

**Kelvin Probe Setup**



**RF Probe Setup**

