

Jmicro Technology

KRN - SERIES

# XYZ POSITIONERS FOR ANALYTICAL DC/RF/MICROWAVE

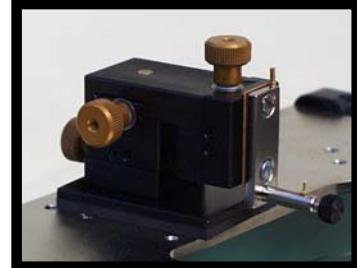
## Probe Positioners -

### KRN-01A 'DC' Positioner

A low cost, magnetic mount positioner with dovetail slides for DC and general purpose AC microprobing use. Features X, Y and Z travel of greater than 0.3 inches. Comes with 5 Pd alloy and 5 tungsten needles.

## Specifications

•Positioner movement	40 tpi 0.5" Knob	
X: 0.30 in.	Y: 0.3 in.	Z: 0.30 in.
•Size		
X: 2.4 in.	Y: 1.8 in.	Z: 2.1 in.
•Probe Holder		
DC	Coax	



### KRN-08 Positioner (In-Line)

An 80TPI magnetic mount precision positioner with roller bearing slides for general microprobing use. Standard RF probe mount. Optional mounts for DC needles, with 5 Pd alloy and 5 tungsten needles, adapters for coax probe mounts, Knop Adjust Planarity adjust( $\pm 11^\circ$ ).

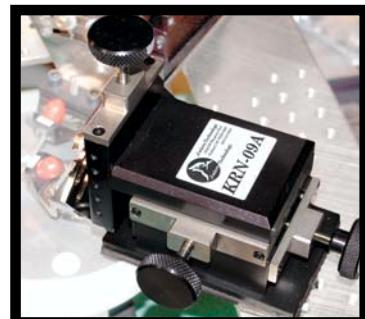
•Positioner movement	80 tpi 0.85" Knob	
X: 0.50 in.	Y: 0.5 in.	Z: 0.50 in.
•Size		
X: 2.0 in.	Y: 4.0 in.	Z: 3.25 in.
•Probe Holders available		
DC	Coax	Microwave



### KRN-09 Positioner

A 40TPI magnetic mount precision positioner with roller bearing slides for general microprobing use. Standard RF probe mount. Optional mounts for DC needles, with 5 Pd alloy and 5 tungsten needles, adapters for coax probe mounts, Knop Adjust Planarity adjust( $\pm 11^\circ$ ).

•Positioner movement	40 tpi 0.87" Knob	
X: 0.50 in.	Y: 0.5 in.	Z: 0.50 in.
•Size		
X: 3.0 in.	Y: 4.0 in.	Z: 3.0 in.
•Probe Holder available		
DC	Coax	Microwave



### KRN-10 Positioner

An 80TPI magnetic mount precision positioner with roller bearing slides for general microprobing use. Standards and options the same as KRN-09

•Positioner movement	80 tpi 0.87" Knob	
X: 0.50 in.	Y: 0.5 in.	Z: 0.50 in.
•Size		
X: 3.0 in.	Y: 4.0 in.	Z: 3.0 in.
•Probe Holder available		
DC	Coax	Microwave

### KRN-18 Microwave Positioner

A no compromise precision positioner with cross roller bearing slides for heavy microwave microprobing use. Bolt mount to JR-27xx probe stations. Microwave probe mount with knob adjust planarity adjust( $\pm 11^\circ$ ).

•Positioner movement	40 tpi 1.0" Knob	
X: 0.85 in.	Y: 0.85 in.	Z: 0.45in.
•Size		
X: 3.15 in.	Y: 4.3 in.	Z: 2.5 in.
•Probe Holder available		
DC	Coax	Microwave

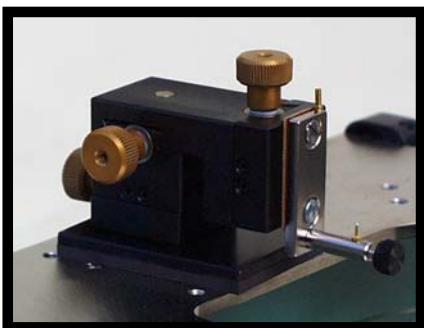


**Note:** Standard RF probe mount on all positioners as a total gross 'z' adjustment of 1.5" in addition to the fine adjustment range for the positioner.

# KRN-SERIES

## KRN-01 Standard included items

XYZ -300 translator stage body(Left or Right option), magnetic base, Needle probe holder assembly, five(5) Paliney7 probe needles, five(5) Tungsten probe needles. Optional coax probe and holder assembly, Triaxial probe holder assembly and probes.



## KRN-18 Standard included items

KRN-18AKP translator stage body(Left or Right option) with integral bolt on base, microwave probe holder with Knob Adjust planarity (probes optional). Compatible with most all probe styles.



## Microprobe Compatibility

Compatible with most DC Needle probes. Consult factory for compatibility with various coaxial and triaxial probes.

**Part Number** KRN-01A(L) left KRN-01A(R) right

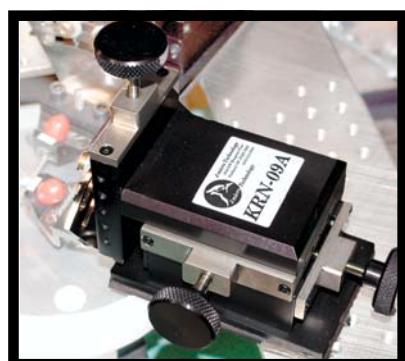
## KRN-08 Standard included items

XYZ -500 inline translator stage body, magnetic base, standard microwave probe holder. **KRN-NM**, optional needle probe holder assembly with five(5) Paliney7 probe needles, five(5) Tungsten probe needles, includes adapter for most coax/triax probes.



## KRN-09S/KRN-10S Std. included items

XYZ 0.5" translator stage body, magnetic base, standard microwave probe holder. **KRN-NM**, optional needle probe holder assembly with five(5) Paliney7 probe needles, five(5) Tungsten probe needles, includes adapter for most coax/triax probes.



## Microprobe Compatibility

Compatible with most microwave probes. This includes three, two and single hole mount styles. GGB Industries, Inc. offers a large selection of single, dual, and multi-contact wedges.

**Part Number** KRN-08S, RF probe mount  
KRN-NM, Needle Holder and Needles

**Part Number** KRN-09S(L or R) KRN-10S(L or R)  
KRN-NM, Needle Holder and Needles



**KRN-KAP Knob Adjust Planarity Module**

## Optional Knob Adjustment Planarity

Planarity adjustment module standard on KRN-18AKP positioners. This module bolts onto the front of the KRN-09 or KRN-10 positioner and offers  $\pm 11^\circ$  planarity adjustment.



**Jmicre Technology**  
3744 NW Bluegrass Place  
Portland, OR 97229-7068  
(503) 614 - 9509 [voice]  
(503) 531 - 9325 [fax]

[www.jmicrotechnology.com](http://www.jmicrotechnology.com)