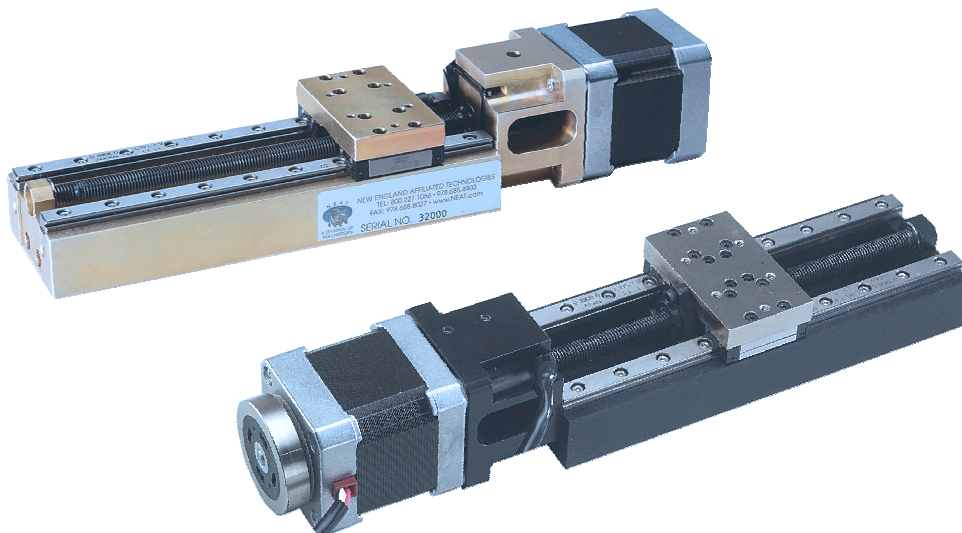


Features

- Compact, high accuracy, high performance
- Standard NEMA 17-frame stepper motor
- Three finishes to choose from:
 - Black anodize
 - Gold irridite
 - Chrome plated



Linear Positioner

The KV shuttle stages from Danaher Precision offer compact size, high accuracy, and high performance. This series is designed using high accuracy recirculating ball ways, integrated end of travel limits, standard NEMA 17-frame stepper motor with coupling and mount, and anti-backlash leadscrews. Travels range from 10mm to 200mm.

Flatness of travel is less than 1 micron over every 25mm travel. Linearity of the screw is less than +/-2 microns over full travel. The stage is available in three finishes: black anodize, gold irridite, and chrome plated.

KV LINEAR POSITIONER SPECIFICATIONS

Specification	KV-50 Stage	KV-80 Stage	KV-110 Stage	KV-140 Stage	KV-200 Stage
Travel (mm)	50	80	110	140	200
Leadscrew Accuracy (micron, for all)	0,0001mm/mm				
Bidirectional Repeatability (micron, for all)					
open loop	±3 microns				
Flatness & Straightness (micron)	4	7	10	13	18
Load Capacity (kg)*	5 kg				
Mass (grams)					
moving	175	175	175	175	175
total	850	950	1,050	1,150	1,300

Configuration

Leadscrew	
lead (mm)	1, 1.5, 2, 3, and 10 mm
Motor	
Stepper (oz-in) 400 step/rev.	44 oz/in
Stepper (oz-in) 200 step/rev.	44 oz/in
Options	
Encoder	
rotary (counts/rev.)	2,000 or 4,000 CPR

Note: Brake available for vertical applications.

* Please contact our Applications Engineers for loads exceeding 15kg.

