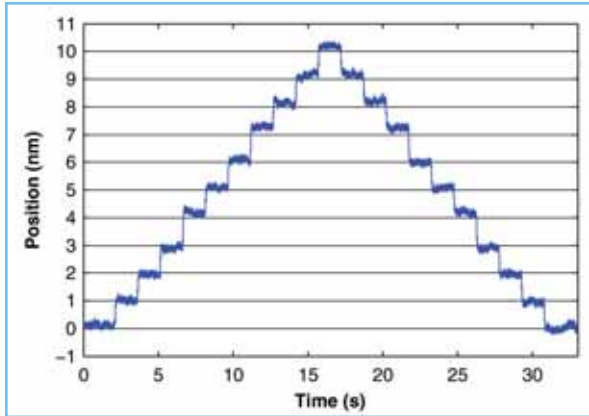




You don't have to sacrifice long travel for nanometer resolution and accuracy.



ANT95-50-L-PLUS 1 nm step plot



The ANT95-L series offers 25 or 50 mm travel.

## ANT95-L Single-Axis Linear Stage

Noncontact, non-cogging, frictionless direct-drive – zero backlash or hysteresis

High resolution (1 nm), repeatability (50 nm), and accuracy (250 nm)

In-position stability of <1 nm

Anti-creep crossed-roller bearings

High dynamic performance

Available in X, XY, XYZ, and many other combinations

## ANT95-XY Dual-Axis Linear Stage

Integrated low profile XY linear motor stage

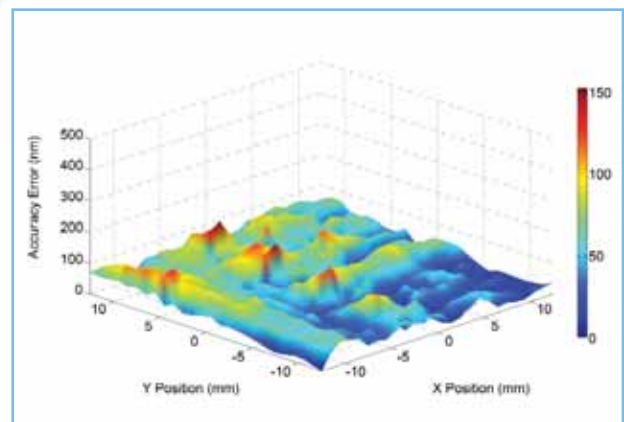
Noncontact, non-cogging, frictionless direct-drive – zero backlash or hysteresis

High resolution (1 nm), repeatability (50 nm), and accuracy (250 nm)

In-position stability of <1 nm

Anti-creep crossed-roller bearings

High dynamic performance



ANT95-XY PLUS 2D accuracy



The ANT95-XY series offers 25 x 25 mm or 50 x 50 mm travel.

The ANT130-L series offers 35, 60, 110, or 160 mm travel.



## ANT130-L Single-Axis Linear Stage

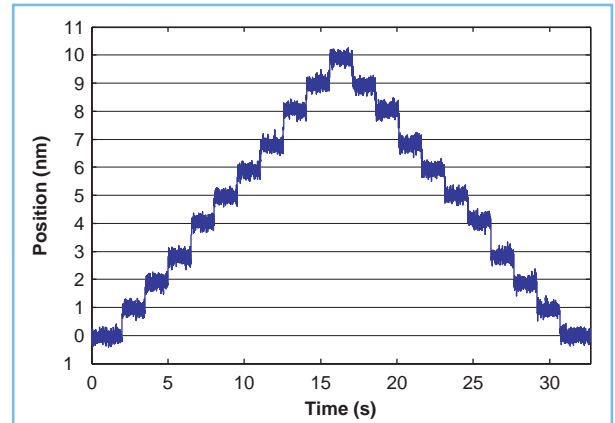
Noncontact, non-cogging, frictionless direct-drive – zero backlash or hysteresis

High resolution (1 nm), repeatability (50 nm), and accuracy (250 nm)

Anti-creep crossed-roller bearings

High dynamic performance

Large selection – 4 different travel options



ANT130-060-L-PLUS 1 nm step plot

## ANT130-XY Dual-Axis Linear Stage

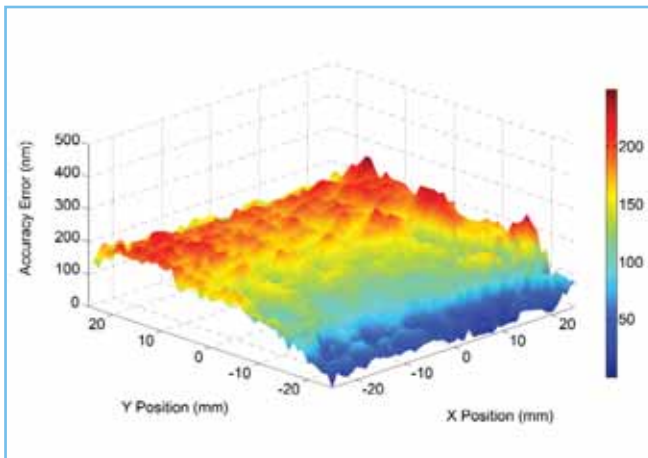
Integrated, low profile, XY linear-motor stage

Noncontact, non-cogging, frictionless direct-drive – zero backlash or hysteresis

High resolution (1 nm), repeatability (50 nm), and accuracy (250 nm)

Anti-creep crossed-roller bearings

High dynamic performance



ANT130-XY PLUS 2D accuracy



The ANT130-XY series offers 60 x 60, 110 x 110, or 160 x 160 mm travel.

# ANT95-R and ANT130-R Rotary Stages

High resolution (0.01 arc sec)

High performance in large travels

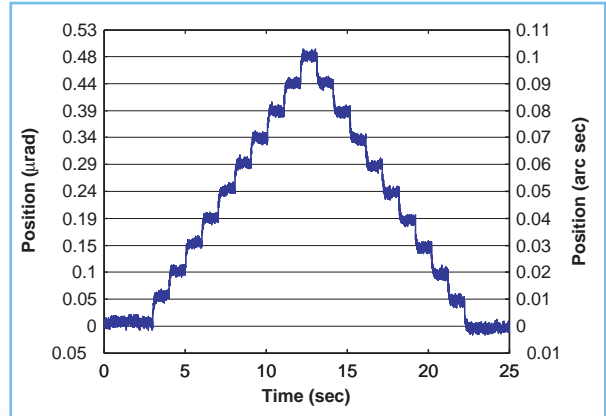
Outstanding error motion specifications

0.005 arc-second in-position stability

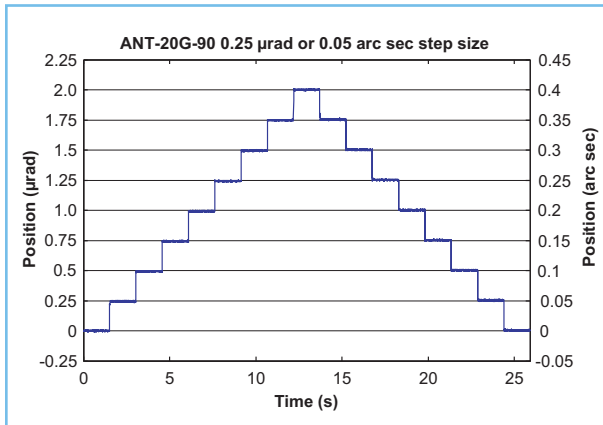
5 arc-second accuracy

1.5 arc-second bi-directional repeatability

Multi-axis configurations



ANT95-R 0.01 arc-sec step plot



ANT-20G-90 0.05 arc-sec step plot



# ANT-20G Goniometers

Noncontact, non-cogging, frictionless direct-drive for zero backlash or hysteresis

High speed (150°/s)

High resolution (0.05 arc second)

Excellent in-position stability

Large angular range - 20° of travel

Orthogonal mounting of two cradles provides rotation about the same point

No maintenance

Compact design

## ANT95-L-Z and ANT130-L-Z

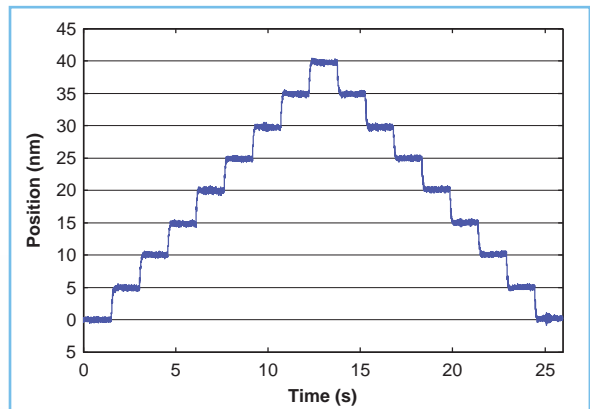
Nanometer performance  
in a large travel format

High resolution (2 nm), repeatability  
(75 nm), and accuracy (300 nm)

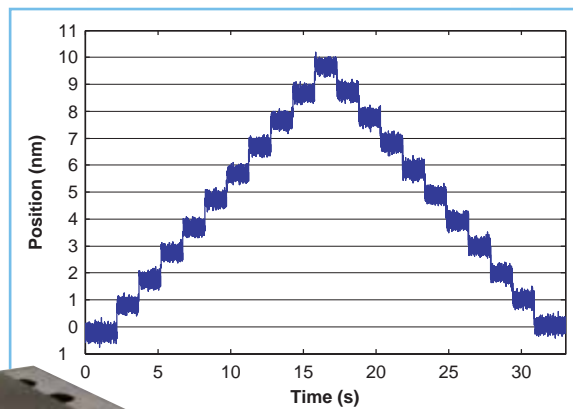
In-position stability of 5 nm

Anti-creep crossed-roller bearings

High dynamic performance



ANT95-50-L-Z-PLUS 5 nm step plot



ANT95-3-V 1 nm step plot



## ANT95-3-V and ANT130-5-V

Nanometer performance  
in a large travel format

In-position stability of <1 nm

3 or 5 mm travel

200 nm accuracy

Anti-creep crossed-roller  
bearings

High dynamic performance

# Aerotech's Worldwide Sales and Service Locations



★ - Aerotech Headquarters   ● - Direct Field Sales Office   ▲ - Aerotech Subsidiary   ■ - Representative