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

ANT95-L Single-Axis Linear Stage
Noncontact, non-cogging, frictionless direct-drive - zero backlash or hysteresis
High resolution (1 nm), repeatability (75 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 (75 nm) and accuracy (250 nm)
In-position stability of <1 nm
Anti-creep crossed-roller bearings
High dynamic performance
The ANT130-L series offers 35, 60, 110 or 160 mm travel.

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 (75 nm) and accuracy (250 nm)
Anti-creep crossed-roller bearings
High dynamic performance

ANT130-XY ULTRA 2D accuracy

ANT130-L Single-Axis Linear Stage

Noncontact, non-cogging, frictionless direct-drive – zero backlash or hysteresis
High resolution (1 nm), repeatability (75 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

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
- 3 arc-second accuracy
- 1.5 arc-second bi-directional repeatability
- Multi-axis configurations

*The ANT95-R and ANT130-R offer both limited and unlimited travels.*

**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

*The ANT-20G series offers a 20° rotation angle.*
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 <2 nm

Anti-creep crossed-roller bearings

High dynamic performance

The ANT130-L-Z is available with 35 or 60 mm travel.

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

The ANT95-3-V and ANT130-5-V both offer 200 nm accuracy.
Aerotech’s Worldwide Sales and Service Locations

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

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