

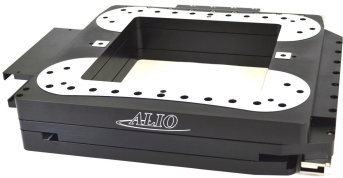
ALIO 6-D eCatalog

ALIO's Standard Product Lines



ALIO's Closed-Center Monolithic XY Systems:

Scalable from 30 mm to 450 mm travel. Built for applications demanding nano precision, high stiffness and Point Precision®.



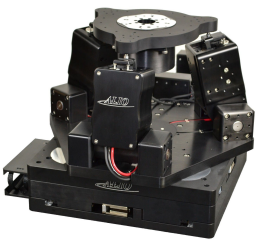
ALIO's Open-Center "Aperture" Monolithic XY Systems:

Monolithic XY stage systems with an open center ideal for dual side metrology, thickness measurements or many other aperture applications. Nano Precision is maintained as in the enclosed units.



ALIO's Linear Stages:

Single axis stages with unmatched precision and dynamic path performance. Scalable from 30 mm to 350 mm of travel. Easily integrated with other stages for multi-axis configurations.



ALIO's Patent Pending Hybrid Hexapod® Systems:

ALIO's Patent Pending Hybrid Hexapod®. Novel product with revolutionary precision, performance, speed and stiffness. Standard 6 axis or optional 5 axis configurations both with 6D Nano Precision®



ALIO's Vertical Axis Linear Stages:

ALIO's family of z-axis stages provide the foundation of novel designs for ultra and nano precision performance. Structurally designed to exceed application performance demands



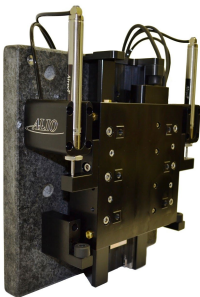
High-Force / Large Load Z-Axes:

ALIO's family of z-axis stages provide the foundation of novel designs for ultra and nano precision performance. Structurally designed to exceed application performance demands



Low Profile Z-Axes:

ALIO's low profile Z-stages. Scalable from 30 mm to 300 mm. Built from our precision LM linear stages with application dependent counterbalances.



Air-Bearing Guided Z-Stage, Low Profile:

ALIO's low profile Z-stages. Scalable from 30 mm to 300 mm. Built from our precision LM linear stages with application dependent counterbalances.



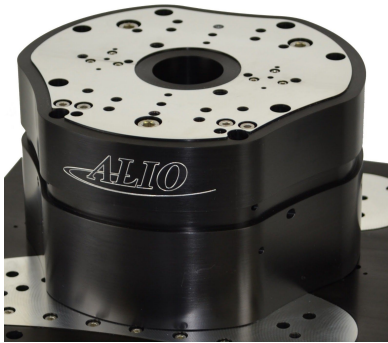
ALIO's High-Frequency Z-Stages:

Designed for delay-line applications requiring fast response. Built from our precision LM linear stages with application dependent counterbalances.



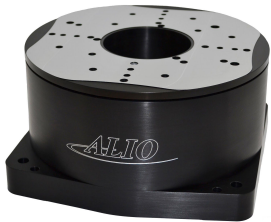
Low-Cost, High-Precision Z:

Designed to minimize cost while keeping ALIO precision and quality this Z-Axis is servo drive for light loading and 6mm stroke.



Nano Z® Patented Lift Air Bearing Stages

24mm Travel and Dual Voice Coil Actuators are Perfectly Suited for High Bandwidth Vertical Tracking Applications Such as Autofocus and Flatness Compensation. Zero-Friction Air Bearing Guides Eliminate Inherent Parasitic XY and Angular Errors of Wedge Designs to Provide the Highest Performing and Most Reliable Lift Stage on the Market.



Rotary - Mechanical Bearings:

Rotary stage family has many sizes, torques, and stiffness from several bearing offerings all application dependent.



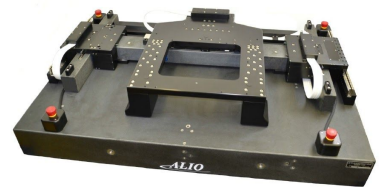
Rotary - Air Bearings:

Rotary stage family has many sizes, torques, and stiffness from several bearing offerings all application dependent.



Low profile, Small-Angle Rotary:

Short travel rotary stage for +/- 7.5 degrees of rotation designed for wafer processing with precise short angle adjustment.



Planar XY Air Bearing Systems:

Planar XY Air Bearing Systems. Novel design yielding True Nano® precision from 500 mm to 3 meter travel. Open or enclosed platen. Available ALIO systems with additional axes integrated with motion controllers.