

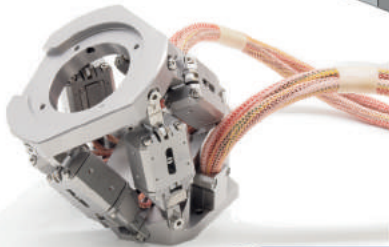
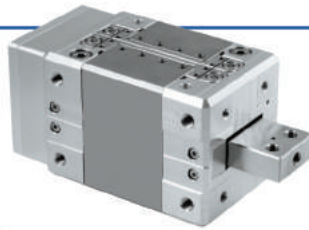
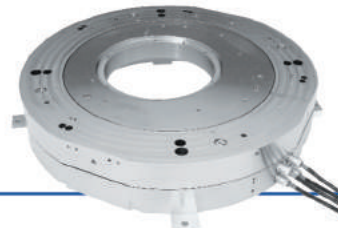
Precision Positioning for Vacuum

MINIATURE SIZE, HIGH RESOLUTION AND A FAVORABLE PRICE

Nanopositioning Systems with Piezo Mechanics

Precision for up to Six Axis

- From linear axes to motion with 6 degrees of freedom
- Parallel kinematics principle for multi-axis systems
- Versions with direct position measurement and capacitive sensors
- Travel ranges between 1 and 1800 μm
- Available in a variety of designs, travel ranges and precision classes
- Non-magnetic and UHV-compatible

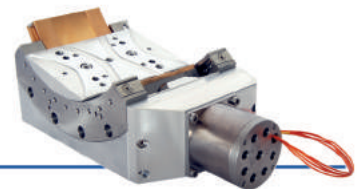
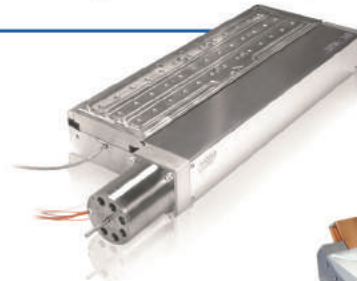


Precision Stages with Long Travel Ranges With NEXACT® & NEXLINE® Stepping Drives

- Travel ranges up to 52 mm
- Resolution <1 nm open loop
- Linear encoder with 1 nm resolution (closed loop)
- For chip manufacturing and inspection systems
- Parallel kinematics for up to 6 axis
- Highly dynamic operation: >100 Hz over 5 μm
- Non-magnetic and UHV-compatible

Micropositioning Stages and Actuators With Stepper & DC Motors

- Travel ranges up to 1000mm, 360°
- Comprehensive software support
- From compact stages to high load positioner
- Incremental encoders for direct position measurement
- For vacuum levels from 10^{-3} mbar to 10^{-9} mbar



Very Small Positioning Stages With PIShift & PILine® Piezomotor Drives

- Scalable travel ranges
- Easy mechanical integration
- Customized solutions for the customer-specific applications
- Self-locking at rest with maximum force
- Direct position measurement with linear encoder
- Space-saving and inexpensive piezo-based drives
- Non-magnetic and UHV-compatible