

6-Axis Miniature Hexapod

HIGH PRECISION IN A SMALL PACKAGE

H-810



- Most compact standard Hexapod in the PI portfolio
- Travel ranges to 40 mm / 60°
- Load capacity to 5 kg
- Actuator resolution 40 nm
- Min. incremental motion to 0.5 μ m
- Repeatability to ± 0.1 μ m

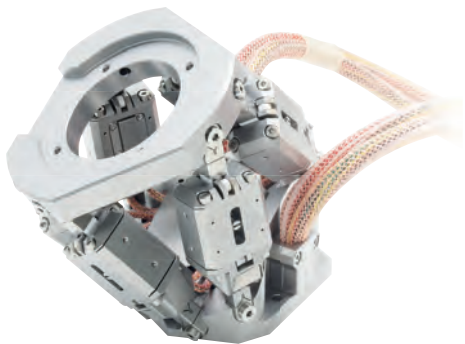
Despite its compact dimensions, the H-810 offers a large travel range of up to 40 mm. Brushless DC motors and ball screws provide for high precision and long lifetime

	Max. load	Travel ranges	Rotation ranges	Max. velocity	Dimensions
H-810 miniature Hexapod	5 kg	X, Y: ± 20 mm Z: ± 6.5 mm	θ_x, θ_y : $\pm 10^\circ$ θ_z : $\pm 30^\circ$	2.5 mm/s	$\varnothing$ external: 100 mm Height: 118 mm

UHV-Compatible Miniature Piezo Hexapod

HIGH-PRECISION POSITIONING EVEN IN STRONG MAGNETIC FIELDS

P-911K



- Ultra-compact
- UHV-compatible to 10^{-9} hPa
- Non-magnetic
- Ultra-high precision flexure joints
- Load capacity to 1.5 kg
- Travel ranges to 1.5 mm, to 2°
- With NEXLINE® piezo stepping drives

The space-saving parallel-kinematic design allows for the low overall height of less than 90 mm and a diameter of only 100 mm. NEXLINE® piezo stepping motor drives and integrated incremental sensors ensure a position resolution down to 0.1 μ m in the linear axes

Customized solution	Travel ranges	Max. load	Sensor resolution	Dimensions
P-911KNMV miniature Hexapod	X, Y, Z: 1.5 mm $\theta_x, \theta_y, \theta_z$: 2°	1.5 kg	0.1 μ m	$\varnothing$ external: 100 mm Height 90 mm