

GO TipTilt Stage HV

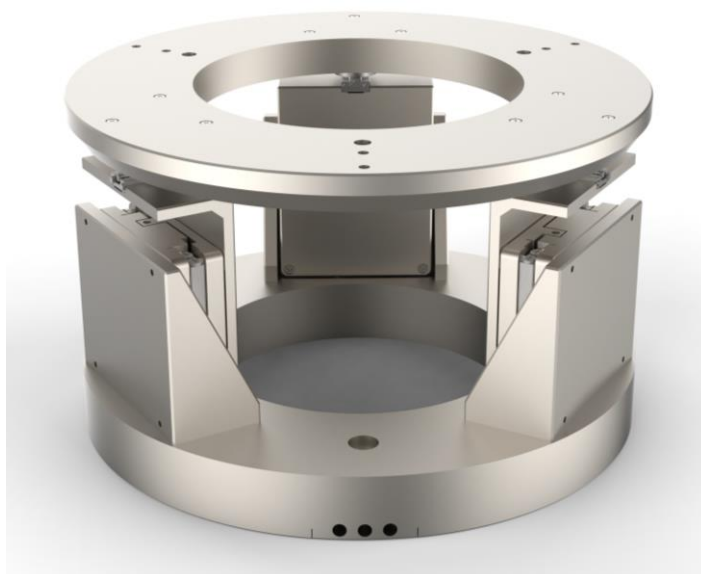
Precise & Powerful

Motion of One Plane

Nanometer Resolution Alignment of One Plane

The GO TipTilt Stage HV is built for high vacuum environments down to 10⁻⁴ Pa. The motorized stages come with PTFE coated wires in braided metal sleeves ended with a female D9SUB connector. Each stage also comes with an air side female D9SUB to ix-Industrial cable.

Connect the vacuum and air side cables to your D9SUB feedthrough, the air side ix-connector to the GO Controller, and you are ready to GO!



Technical Specification

MODEL	GO TIPTILT STAGE HV – 15 N	GO TIPTILT STAGE HV – 30 N
POSITIONING		
TRAVEL (Z)	+/-10 mm	
TRAVEL $\Theta(X, Y)$	+/-9°	
MIN INCREMENTAL MOTION (Z)	2 nm	
MIN INCREMENTAL MOTION $\Theta(X, Y)$	< 0,1 μ rad	
REPEATABILITY (Z)	+/- 200 nm	
REPEATABILITY $\Theta(X, Y)$	+/- 15 μ rad	
MOTION		
MAX OPERATING FORCE (PUSH / PULL)	(Z) 15 N (MIN.)	(Z) 30 N
HOLDING FORCE (WHEN POWER IS OFF)	(Z) 18 N (MIN.)	(Z) 33 N
MAX SPEED AT NO LOAD (Z)	8 mm/s	8 mm/s
MAX Z SPEED WITH MAX LOAD ON TOP	> 5 mm/s	> 1 mm/s
DRIVE TYPE		
TIPTILT STAGE BASE MODULE	PRECIBEO GO Linear Stage LS4545	
MECHANICAL		
MAX LOAD CENTERED ON TOP PLATE	1 kg	2,5 kg
DIAMETER	150 mm	
HEIGHT	92 mm	
MISCELLANEOUS		
VACUUM SIDE CABLE	3 pcs of 1 m cable (+/-5%) with f. D9SUB connector	
AIR SIDE CABLE	3 pcs of 2 m cable (+/-5%) with f. D9SUB & ix Industrial™ connectors	
MATERIAL	Aluminum	

Order Information

Please contact us by phone (+46 18 700 13 40) or email (sales@precibeo.com) for any enquiries.

PRODUCT	DESCRIPTION
GO-TIPTILTHV-15N/30N	One GO TipTiltStage HV with Cables and Connectors.

Disclaimer: Specifications of the product do not constitute a warranty of the properties. They are intended for information purposes only and are subject to change.