

HEGOA hexapod

Compact dynamic hexapod



KEY FEATURES

- Payload capacity 50 kg
- Angular travel range $\pm 23^\circ$
- Compact height: 420 mm



APPLICATIONS

- | | | |
|--------------------|--------------|-----------|
| ■ Motion simulator | ■ Automotive | ■ Defense |
| ■ Naval | ■ Biomedical | ■ Optics |



HEGOA hexapod testing the motion compensation performances of a gyro stabilized platform.

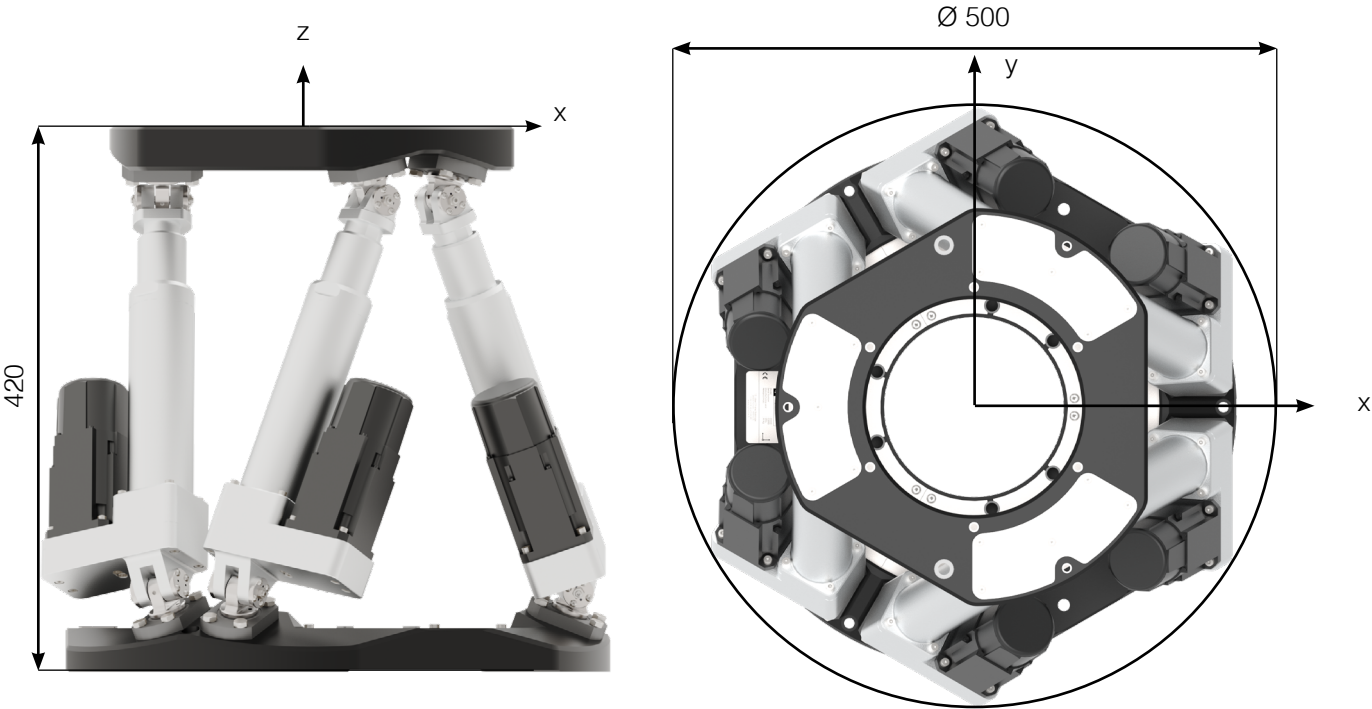


HEGOA hexapod with a drone equipped with a camera to test the reactions of the system during flight movements.



	HEGOA
Motion and positioning	
Travel range Tx, Ty (mm)	± 100
Travel range Tz (mm)	± 50
Travel range Rx, Ry (deg)	± 23
Travel range Rz (deg)	± 30
Speed Tx, Ty, (mm/s)	± 200
Speed Tz (mm/s)	± 120
Speed Rx, Ry, Rz (°/s)	± 50
Acceleration Tx, Ty, Tz (mm/s²)	± 800
Acceleration Rx, Ry, Rz (°/s²)	± 200
Mechanical properties	
Payload capacity (kg) (vertical orientation / horizontal orientation)	50 / 15
Motor type	Brushless motor with absolute encoder
Miscellaneous	
Operating temperature range (°C)	+ 10 to + 40
Size mobile platform (mm)	Ø 322
Height in middle position (mm)	420
Mass (kg)	30
Cable length (m)	5
Options	Outdoor Acquisition (storage of motions) API External real-time trajectory control (ERTT)
Controller	
Interface	Ethernet
Power supply	110-240 VAC / 50-60 Hz

The performances are specified for single axis motions, with all other axes at midrange and for a rotation center in the middle of the mobile platform.



Hexapod in middle position