NOTUS hexapod

Dynamic compact hexapod

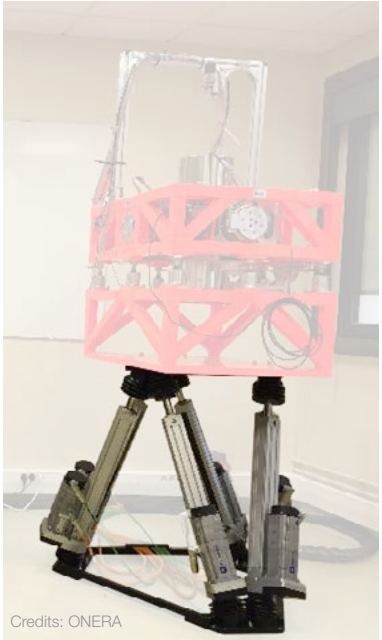
Symétrie

KEY FEATURES

- Payload capacity 200 kg
- Linear travel range ± 250 mm
- Angular travel range ± 25°
- Compact

APPLICATIONS

- Motion simulator
- Naval
- Swell simulator
- Biomedical
- Defense
- Optics



Credits: ONERA

NOTUS enables testing the gyroscopic platform of a cold atom gravimeter that will be later installed on a ship by ONERA. The hexapod reproduces the swell motions and the ship vibrations.

NOTUS hexapod allows to test the stabilization system of a camera that can be later installed on a tank, a truck or a boat.

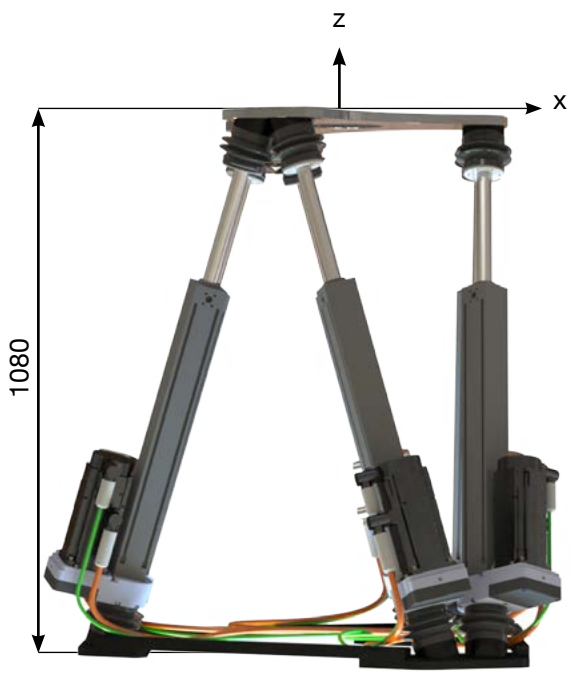
Credits: SPHEREA Test & Services

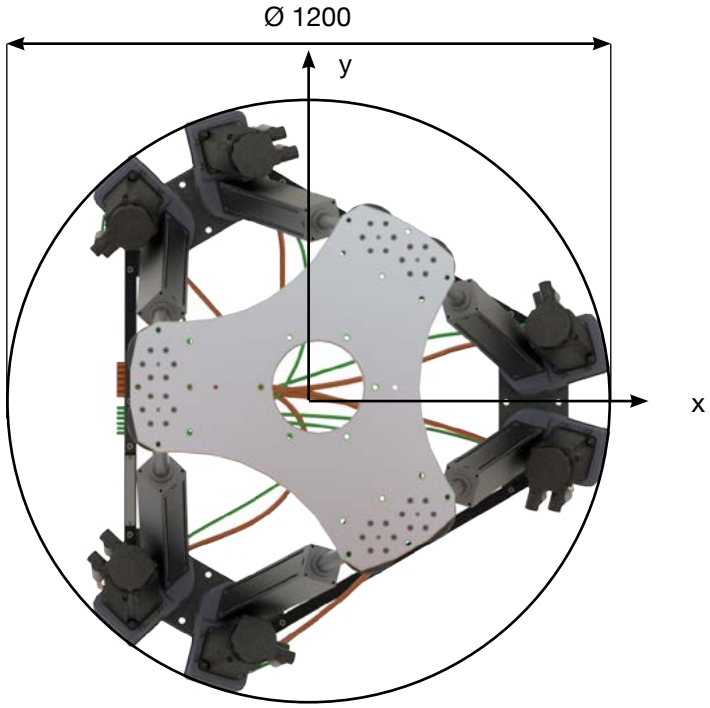
NOTUS hexapod helps to characterize and calibrate electro-optics gimbals that will be later installed on helicopters.

	NOTUS	NOTUS V
	for 200 kg payload	for 100 kg payload
Motion and positioning		
Travel range Tx, Ty (mm)	± 250	± 250
Travel range Tz (mm)	± 200	± 200
Travel range Rx, Ry (deg)	± 25	± 25
Travel range Rz (deg)	± 30	± 30
Speed Tx, Ty, (mm/s)	± 800	± 1 200
Speed Tz (mm/s)	± 300	± 600
Speed Rx, Ry, Rz (°/s)	± 50	± 100
Acceleration Tx, Ty (mm/s²)	10 000	10 000
Acceleration Tz (mm/s²)	6 000	10 000
Acceleration Rx, Ry, Rz (°/s²)	500	1 000
Mechanical properties		
Payload capacity (kg) (vertical orientation only)	200	100
Motor type	Brushless	Brushless
Miscellaneous		
Operating temperature range (°C)	0 to + 50	0 to + 50
Size mobile platform (mm)	Ø 690	Ø 690
Height in middle position (mm)	~1 080	~1 080
Mass (kg)	~ 100	~ 100
Cable length (m)	7	7
Options	IP 64 motor protection Acquisition and storage of motions API Customized platform design	
Controller		
Interface	Ethernet	
Power supply	400 VAC (three-phase) / 16 A / 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.

Datasheet subject to change without notice. All data are superseded by any new release. R170622





Hexapod in middle position

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