



HEXAPODS

SIROCCO

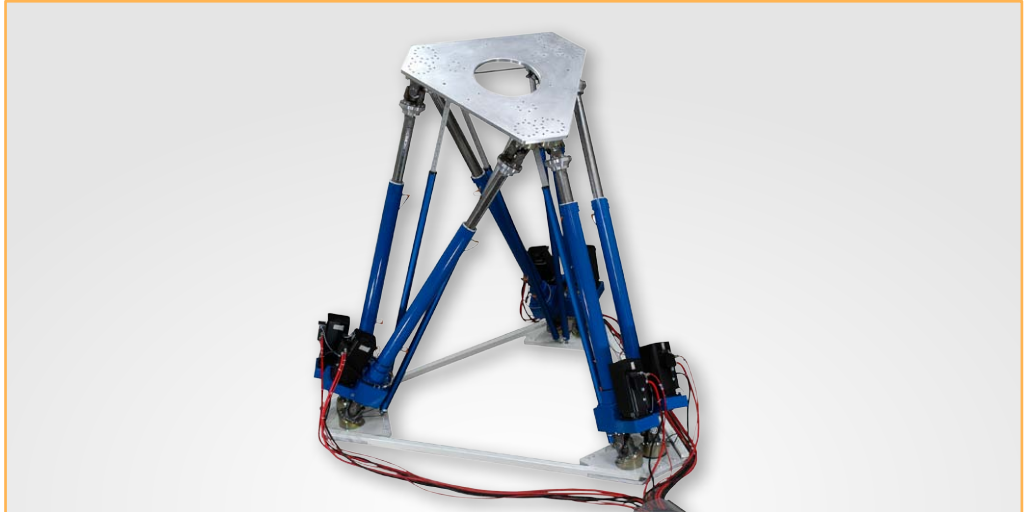


Applications

- Motion simulator
- High payloads positioner
- Vehicle simulator
- Swell simulator

Specifications

- Payload capacity 2 tons
- Linear travel range ± 600 mm
- Angular travel range $\pm 40^\circ$



SIROCCO is a dynamic hexapod made to move payloads up to 2 tons following the 6 Degrees of Freedom (6 DOF: Rx, Ry, Rz, Tx, Ty, Tz).

Large travel ranges with high payloads

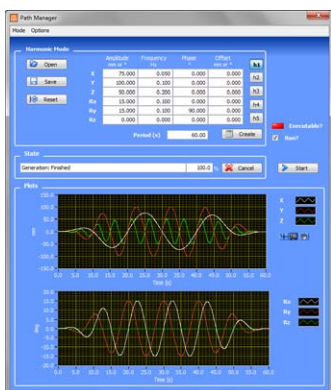
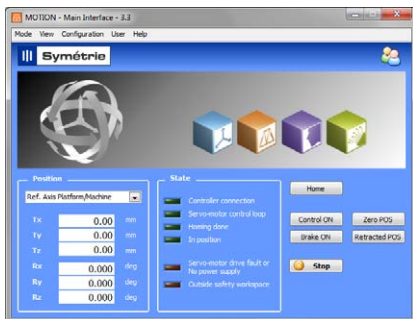
The robust mechanical structure of SIROCCO allows the hexapod to realize important linear and angular travel ranges with high payloads.

Outstanding dynamic performances

The design and integration of its electromechanical actuators enable SIROCCO to realize exceptional dynamic performances. Speed: 2 m/s ; acceleration: 6 m/s².

Easy control command of complex movements

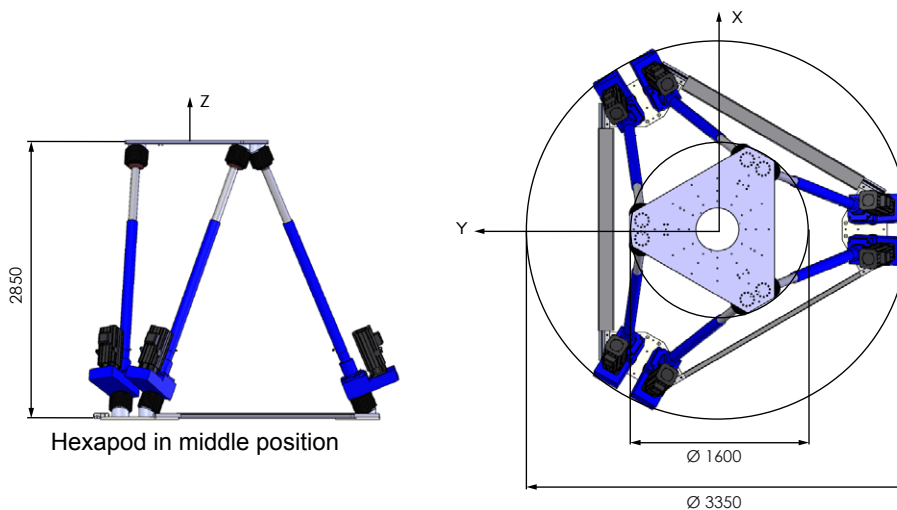
The control of the mobile platform is done intuitively through an ergonomic graphical interface that allows the operator to save time in learning and implementing the system. The control software permits to reproduce the movements generated by the motion designer software.



Control software

Axis	Travel range ⁽¹⁾	Speeds	Accelerations
Linear travel Tx	± 600 mm	± 2 000 mm/s	6 000 mm/s ²
Linear travel Ty	± 600 mm	± 2 000 mm/s	6 000 mm/s ²
Linear travel Tz	± 500 mm	± 1 800 mm/s	6 000 mm/s ²
Angular travel Rx	± 40 °	± 200 °/s	1 200 °/s ²
Angular travel Ry	± 40 °	± 200 °/s	1 200 °/s ²
Angular travel Rz	± 40 °	± 100 °/s	600 °/s ²

(1) The performances specified are for single axis motions, with all other axes at midrange and for a rotation centre defined centred on the top of the upper platform.



HEXAPOD

Payload capacity	2 000 kg
Size of the mobile platform	Ø 1 600 mm
Height in middle position	2 850 mm
Weight	850 kg

CONTROL

Electronic cabinet dimensions (H x W x D)	2 000 x 1 600 x 400 mm
Interface	Ethernet
Power supply	380 V AC (three-phase) 250 A

SIROCCO

Your specifications are particular, do not hesitate to consult us!

SIROCCO's options

- IP64 motor protection
- ATEX compatibility
- Acquisition and storage of motions
- Customized platform design