

BORA hexapod

High resolution hexapod small size



KEY FEATURES

- Payload capacity up to 10 kg
- Linear travel range ± 20 mm
- Angular travel range ± 15 °
- Height in middle position 145 mm

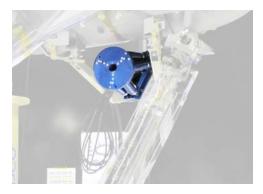


APPLICATIONS

- Instrumentation
- Optics
- Aeronautics and spatial
- Optics
- Metrology
- Testing laboratories
- Semiconductors
- Synchrotrons



This hexapod places a sample at the centre of two large rotation stages. With this installation, hexapod mounting orientation varies between 0° and 90°. Advantages of the hexapod are: high stability, stiffness and repeatability of the sample position with respect to the rotation stages independently of their orientations.



Alignment of a mirror with high precision on a space telescope. When the hexapod has correctly positioned the mirror, the user fixes the mirror and takes the hexapod off the structure.



Two BORA hexapods position Kirkpatrick-Baez (KB) mirrors with high stability and resolution to improve the beam quality on a synchrotron beamline.



10-6 mbar vacuum version to align a mirror on a satellite in a vacuum chamber during mounting and testing phases.



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.

