

PRESS RELEASE

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New PUNA hexapod: simple and affordable Precision for all



SYMETRIE launches a new hexapod named PUNA to meet precision positioning applications in research or industry with optimized budgets.

Designed to position up to 20 kg payloads with a submicronic resolution, PUNA hexapod offers travel ranges of 60 mm in X and Y and up to 40° in Rz. It is 200 mm tall in mid position.

Benefiting from SYMETRIE's fifteen years of experience in the development of high precision hexapods, PUNA hexapod can meet limited budgets while offering a resolution of 0.5 μm in translation and 5 μrad (0.0003 °) in rotation.

To simplify the design, the motor is mounted in line and includes an incremental rotary encoder.

PUNA (pronounced "Poona", the name of a wind blowing in the Andes) hexapod operates in any direction: vertically, horizontally or in any other angle.

The hexapod comes with its controller and a control interface compatible LabVIEW, EPICS, SPEC, TANGO or C. The ergonomic software allows to configure virtual centers of rotation and to easily change coordinates systems.

SYMETRIE is an innovative company specializing in high precision positioning and motion hexapods of all sizes for over 15 years.

SYMETRIE in a few words:

- 4 M€ turnover, an R&D department, 70% of engineers
- Major customers: Airbus Defence and Space, AMOS, CEA, Leonardo, Rio Tinto, Safran, Thales, University of Hawaii, University of Western Australia...
- Large scale technological projects: Megajoule Laser; ground or space telescopes: Aries, DAG, JWST, NOEMA, OAJ and Pan STARRS 2; satellites: BepiColombo, Gaia, MPO and MTG, synchrotrons: the Australian Synchrotron, DLS, Elettra, ESRF, LBL, MAX-lab, PAL, RRCAT, SLAC, SOLEIL...

Contact us for more information!

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