

## VIBRATION TESTING SOLUTION FOR THE SPACE INDUSTRY

CENTROTECNICA's significant investment in R&D to support and improve the fixture and machinery design and production for space testing laboratories results in the capability to offer some unrivaled solution and unmatched tools whose keypoints are worldwide appreciated.



The number and position of **RT-SP slip tables'** guide bearings can be customized, allowing their positioning at the load points, optimizing support and reducing fixture complexity. The bearings can be added to the test structure's FEM analysis allowing an accurate prediction of the DUT deformation. Detailed info facility characterization with RT-SP at [this link](#).

**RT-type custom fixtures** can be a game changer in the highly demanding vibration space testing.

The fixture is ready to be mounted directly on rails. The advantage is a significant weight saving, thus a better use of the shaker performances.

RT-fixtures fits Centrotecnica RT-serie slip tables only.



CENTROTECNICA has a long tradition in the making of innovative expanders and custom fixture solutions, from design to validation.



Guided and unguided **head expanders** are aimed at widening the mounting area for the DUT.

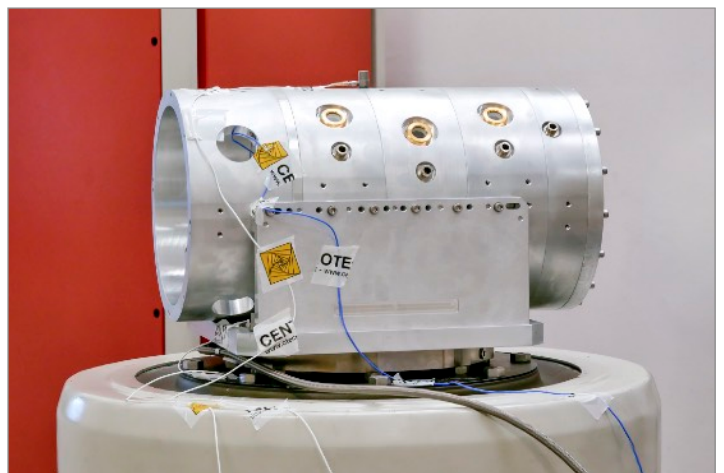
The expander often becomes a key factor when testing bulky or heavy DUTs, like satellites or solar panels.

CENTROTECNICA's expanders are suitable for every kind of shaker up to 2500 mm, with squared or rounded shape.

We have wide experience in manufacturing **custom fixtures**.

Agusta Westland, D-Orbit, Ferrari, Leonardo, Avio, Airbus, Thales Alenia Space, ABB, Stellantis,...

The companies that referred to us for custom fixtures belongs to all production sectors with a prevalence in the avionics, aerospace, defence, automotive and railway.



The website provides more specific and detailed information:

