

CUBE 6-DOF SHAKER TABLE



Location: FlandersMake@KULeuven

DESCRIPTION

The Cube is a high-frequency 6 DOF multi-axial shaker table from Team Corporation. It reproduces real-world vibration conditions by using translations along the x, y and z axes as well as rotations around these axes.

These 6 degrees of freedom can be independently controlled in time domain, allowing the accurate time reproduction of requested load data, or in frequency domain, to obtain desired power spectral density functions at certain points of the test-structure. Test objects can be mounted on the five sides of the CUBE, easing fixation and replicating actual installation conditions.

NVH & DURABILITY TESTING



TECHNICAL SPECIFICATIONS

Payload	500 kg (up to 1000 kg for special applications)
Dynamic force rate	82 kN
Displacement limit	101.6 mm vertical and 50.8 mm horizontal
Speed limit	0.96 m/s
Acceleration limit	10 g with a control bandwidth of 0 - 300 Hz

OUR OFFER

Using this test infrastructure, we offer:

- Vibration tests (durability and accelerated life) for systems and components.

INTERESTED?

Contact contact_DMMS@flandersmake.be for more information.