

CENTROTECNICA

stress to ensure

MECHANICAL AND ENVIRONMENTAL TESTS FOR AEROSPACE, AVIONICS AND DEFENSE SECTORS

- Over 30 years experience in the environmental testing, especially for vibration, shock and combined tests.
- The most equipped range of shakers in Italy (from 0.3 to 74 kN, up to 100 mm displacement).
- A whole range of machines for drop, compression, altitude, acceleration and impact test.
- Climatic chambers for climatic and combined test (vibration and temperature).

Centrotecnica's lab offers a wide range of testing services for the avionics, defense and aerospace industry, mainly vibration, shock and acceleration tests, in accordance with the main international standards as well as customers own protocols.

Thanks to the wide range of electro-dynamic shakers (equipped with climatic chambers and slip tables for the tests on horizontal axes), a centrifuge and an altitude chamber, Centrotecnica can offer an all-around service, high flexibility and short lead time.

Moreover, a 27 kN shaker is installed in a clean room (class ISO8) for vibration and shock testing with controlled ambient.

The design and production departments are highly specialized in "custom" fixtures, designed and optimized according to the technical requirements of the specific item and the test severity.

MAIN STANDARDS AND PROTOCOLS:

MIL-STD-810 - MIL-STD-883 - MIL-STD-750/2

RTCA DO-160 - AECTP 400

For info or RFQs, pls contact us at: info@ctecnica.it - phone: +39(0)255305888

Main features of our testing equipment.

Shakers: force up to 74 kN

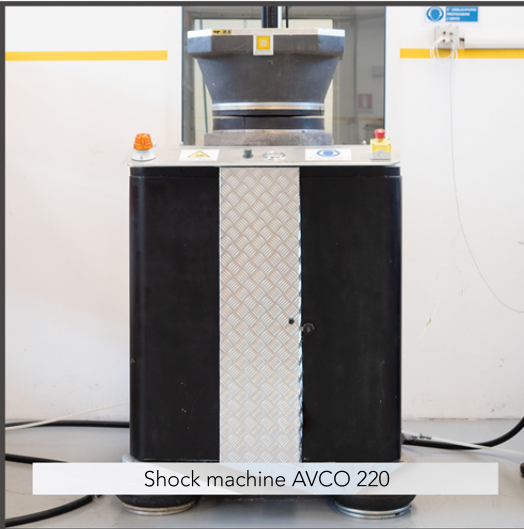
Shock machines: acceleration up to 3000 g

LoFHis machine: shock duration up to 100 ms

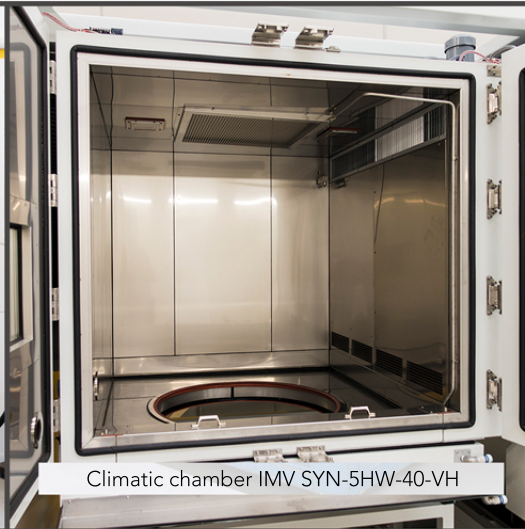
Altitude chamber: up to 42.000 feet

Centrifuge: static acceleration up to 20 g

Climatic chambers: -75°/+180 °C and 10/98 %RH



Shock machine AVCO 220



Climatic chamber IMV SYN-5HW-40-VH



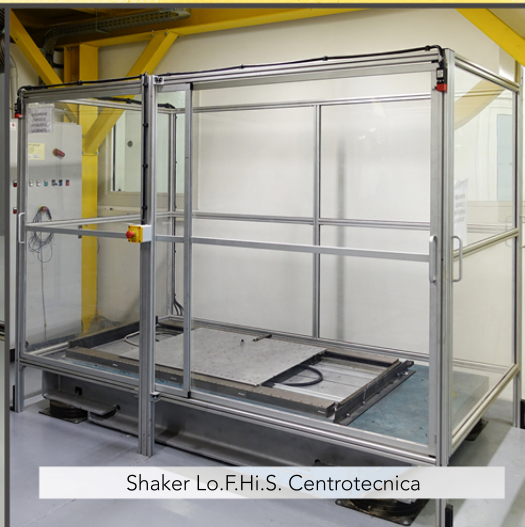
Altitude chamber Tenney T5 ST



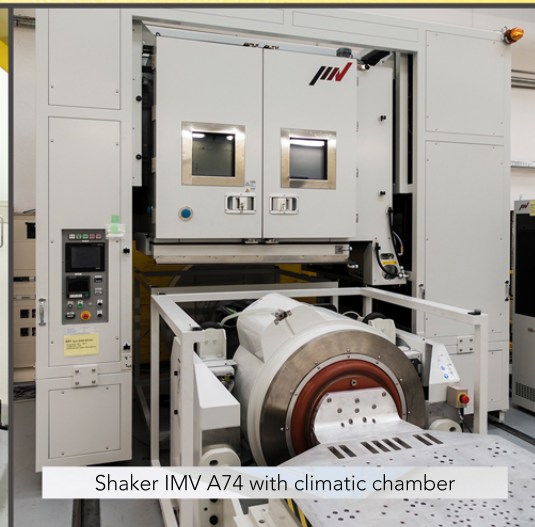
Centrifuge system Centrotecnica



Shaker LDS V864 in clean room ISO 8



Shaker Lo.F.Hi.S. Centrotecnica



Shaker IMV A74 with climatic chamber

EXAMPLES OF DUT:

FILTERING SYSTEMS - VIDEO SYSTEMS - PIPES - SAFETY AND MONITORING SYSTEMS

CONTROL AND POWER SUPPLY UNITS - LEVERAGES - CONTROL PANELS

SENSORS AND PROBES - HYDRAULIC VALVES AND ACTUATORS

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