

VIBRATION AND SHOCK TESTS

Optical and electrical performance monitoring

DESCRIPTION

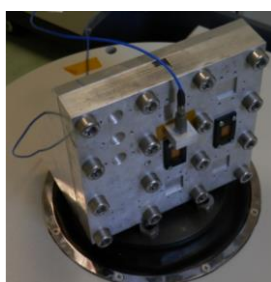
AdvEOTec has a vibrating pot, used to perform vibration and shock tests to validate the physical integrity of components or subsystems subjected to acceleration levels over wide frequency ranges.

This installation enables us to carry out your mechanical tests while monitoring optical and electrical performance: **insertion losses, optical micro-cuts, electrical micro-cuts, BERT, etc.**

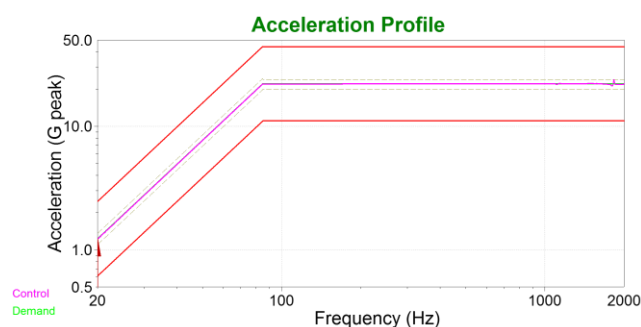
The laboratory carries out its vibration tests in an Electrostatic Discharge Protected Area (EDPA).

AdvEOTec takes care of the design of the mechanical supports for your components.

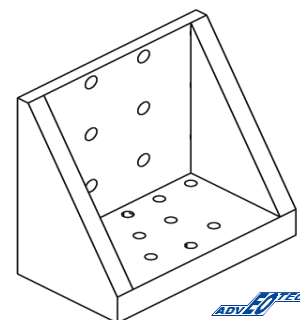
Vibration and shock tests are part of the range of services available at **AdvEOTec**.



Vibration tests on optoelectronic components



Monitoring of the acceleration during the test



Example of mechanical conception

Types of components :

- Electrical connectors
- Optical connectors
- Laser diodes, imagers, photodetectors
- Others...

According to standards such as :

- IEC 6006
- IEC 68-2-34 à 68-2-37
- MIL-STD-750
- MIL-STD-810
- MIL-STD-883
- NF EN 2591-6402
- NF EN 2591-6403
- NF EN 60068-2-6
- NF EN 60068-2-64
- Others...

Specifications :

Vibrating pot :	
Max frequency :	4000 Hz
Maximum force developed :	3000 N
Max sinus amplitude :	100,0 g.c
Random max amplitude :	60,0 g eff
Max shock amplitude :	160,0 g.c
Max displacement :	25 mm.cc

Some tests also available :

- Fiber pull tests
- STC : Slow temperature change
- HTS : Hot temperature storage
- RTC : Rapid temperature change

**Other test configurations, contact us...*

*[*Our products, visit our website...](#)*

AdvEOTec

6 rue Jean Mermoz
ZA Saint Guénault
91080 Evry-Courcouronnes – France



Tél : +33(0)1.60.86.43.61
salesdpt@advetec.com
www.advetec.com

