



Testing

LIDAX is a high-tech company mainly focused on the scientific and the aerospace sector.

Our Smart test Area can offer a variety of validation tests for your hardware and products.



With over 1.800m², our different laboratories allow us to perform the testing needed to verify your product.

Categories

LIDAX can offer a full range of testing in the following categories:

- Thermal Vacuum Testing
- Thermal Ambient Testing
- Optical Testing
- Vibration Testing

Key Features

- Clean Room ISO7 and ISO5
- Thermal chambers with optical viewports
- Quality control equipment
- ESA Standards Expertise

Customize your Test

Our Thermal Chambers have Multiple feedthrough connectors to customize the test.

Diverse sizes of optical benches for different set ups.

TESTS

Thermal testing

Vacuum

Thermal Vacuum cycling. Temperature range: $-150^{\circ}\text{C}/180^{\circ}\text{C}$

Bake-out (molecular decontamination) at high vacuum for different temperatures

Cryogenic Testing, Temperature range: $20\text{K}/300\text{K}$

Thermal Conductance testing at ambient and cryogenic temperature

Thermal expansion Coefficient measurement for different temperatures

Ambient (1 bar)

Thermal ambient cycling, Temperature range $-60^{\circ}\text{C}/180^{\circ}\text{C}$



Optical testing

Transmittance measurement: visible and IR

Interferometer alignment. Resolution $0,1\mu\text{rad}$

Optical characterization with Autocollimator. Resolution $0,1\mu\text{rad}$

Optical characterization with a Wavefront meter: visible and IR



Leak Testing

Helium Vacuum leak test, sensitivity of $10^{-9} \text{ mbar}\cdot\text{l}\cdot\text{s}^{-1}$

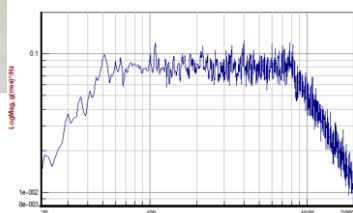
Helium Sniffing leak test, sensibility of $10^{-6} \text{ mbar}\cdot\text{l}\cdot\text{s}^{-1}$



Vibration Testing

vibration test profile prediction and notching definition

Test execution in our integrated center



Your reliable partner at every phase of testing, from test design to report.

www.lidax.com

commercial@lidax.com



All Intellectual Property contained herein, is and remains the exclusive property of Lidax Ingeniería, SL. This document may be used only for the purpose for which it has been submitted. No part of this document may be reproduced, distributed, transmitted, or modified, in any form or by any means, without the prior written permission of Lidax Ingeniería, SL. For more information go to www.lidax.com All rights reserved.