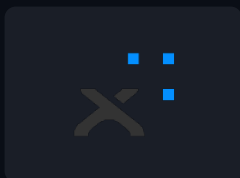


NEWSPACE MARKET · COMPANY PROFILE



Lidax

Spain · lidax.com

6

PRODUCTS

5

SERVICES

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WITH DATASHEETS

newspacemarket.com/companies/lidax/

as of 20 August 2026

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Lidax

LIDAX S.L. is a Spanish aerospace engineering group founded in 2000 and headquartered in Paracuellos de Jarama, Madrid. Over more than 25 years the company has developed deep expertise in the design, development, and manufacturing of high-precision opto-mechanical systems, thermal control solutions, and cryogenic equipment for demanding space and scientific applications. The company's thermal control portfolio includes copper and pyrolytic graphite flexible thermal straps (FTS) engineered to transfer heat efficiently between spacecraft components while accommodating relative mechanical movement. These products are qualified and validated for the extreme thermal and vacuum conditions of space. LIDAX has contributed hardware and systems to landmark space missions including the James Webb Space Telescope, BepiColombo, EarthCARE, PLATO, Meteosat Third Generation, and the ExoMars Rover, working alongside Airbus, Thales Alenia Space, OHB, and ESA. The company maintains ISO 5 and ISO 7 cleanrooms and reports a 100% success rate on all delivered flight hardware.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

Services

Design and Manufacturing of Thermal Control Systems (TCS) Lidax designs and manufactures Thermal Control Systems (TCS) to ensure efficient and reliable thermal management of equipment in extreme space conditions.	Diseño de sistemas ópticos y optomecánicos Lidax designs high-precision optical and optomechanical systems for scientific and space applications, integrating optical engineering, precision mechanics, and advanced control.
Integración óptica y opto-mecánica en entornos controlados Lidax performs optical and opto-mechanical integration procedures in controlled environments that comply with ISO 14644 standards, ensuring contamination control.	Pruebas criogénicas, de vibración, térmicas y de fugas de helio Lidax provides a range of advanced testing services including cryogenic, vibration, thermal, and helium leak tests using their state-of-the-art facilities.
Validación y ensayo de tecnologías en condiciones extremas (Criogenia & Vacuum) Lidax reproduces space conditions in their lab using custom thermal vacuum chambers to validate and test technologies for scientific and space applications.	

Product catalogue



LIDAX

Custom Cryostats

Custom-built research-grade cryostats offering precise cryogenic temperature control, compatible with liquid helium or liquid nitrogen, for space-technology research.

Operating temperature	In-house test asset: 20 to 300 K
Interface	Optical windows (in-house asset: 2 windows); compatible with liquid helium or liquid nitrogen
Dimensions	In-house test asset volume: 300 x 300 mm

price on request



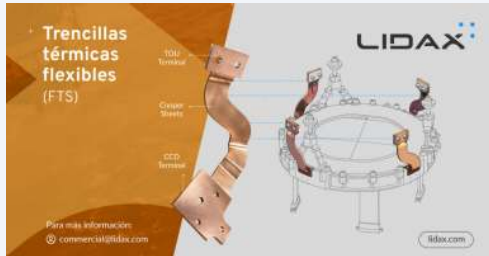
LIDAX

Custom Thermal Vacuum Chambers

Custom-designed thermal vacuum chambers reproducing space environmental conditions (extreme temperature and high vacuum) for qualification testing of space hardware.

Interface	Custom-configured size, temperature range, vacuum level, and optical window options per project
Operating temperature	Configurable extreme-temperature range (project-specific)
Interface	ISO 5 / ISO 7 clean rooms compliant with ISO 14644 for integration
Interface	In-house test types: sine/random vibration, shock, TVAC, TVTB

price on request



LIDAX Flexible Thermal Straps

LIDAX Flexible Thermal Straps (FTS) are high-performance solutions for efficient and reliable heat transfer in space applications, available in copper and pyrolytic graphite.

Materials	High Thermal Conductivity Materials (Copper, Pyrolytic Graphite)
Copper FTS Applications	Electronic units and power systems, High-stability payloads, Cryogenic applications, Platf
Pyrolytic Graphite FTS Applications	New Space platforms, payloads and high-sensitivity instrumentation
Offerings	Qualified Standard Solutions, Mission-Specific Customization

price on request [datasheet](#)

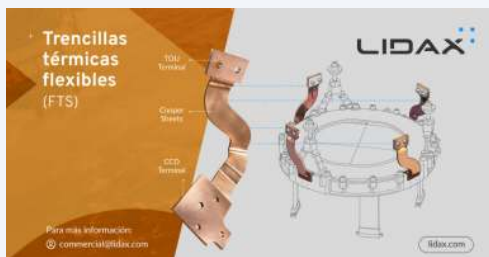


LIDAX Focal Plane Assemblies (FPA)

Custom-designed focal plane assemblies carrying detector arrays for space telescopes and X-ray/IR/UV/visible instruments, flown on ESA's PLATO and BepiColombo missions.

Flight heritage	26 Focal Plane Assemblies delivered for ESA PLATO mission (all telescopes); focal plane fo
Interface	Custom detector array integration (CCD/CMOS) tailored to host instrument
TRL	9 (flight-proven on PLATO and BepiColombo)

flight proven · TRL 9 [price on request](#)



LIDAX PSG Thermal Links (Pyrolytic Graphite Flexible Thermal Straps)

LIDAX's PSG Thermal Links are flexible thermal straps manufactured from pyrolytic graphite sheet (PGS), engineered for space missions where high thermal conductance combined

Material	Pyrolytic Graphite Sheet (PGS)
Type	Flexible Thermal Strap (FTS)
Applications	Focal plane assemblies, cryo-cooler interfaces, deployable radiators
Mission Heritage	BepiColombo, EarthCARE, PLATO, James Webb Space Telescope

[price on request](#)



LIDAX Space Optical Systems

Custom-engineered optical systems for space and scientific applications, including telescopes, laser collimators, and focal plane assemblies.

Products	Telescopes, laser collimators, focal plane assemblies (FPAs)
Wavelength coverage	IR, VIS, UV, X-ray
Applications	Earth observation, deep space exploration, FS0 communications
Flight heritage	PLATO, Meteosat-3G, ExoMars, Bepi Colombo, EarthCARE
Standards	ECSS space qualification

[price on request](#)

Contact Lidax

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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<https://lidax.com>