

NEWSPACE MARKET · COMPANY PROFILE

ElmSpace

ElmSpace

Germany · elmspace.space

10

PRODUCTS

5

WITH DATASHEETS

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as of 20 August 2026



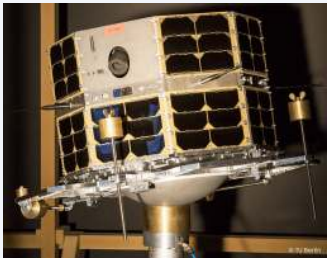
ElmSpace

ElmSpace is a German company offering attitude determination and control equipment for the space industry. The company's core competence lies in the production of fluid-dynamic attitude control systems (FDAs). ElmSpace also offers gyroscopes and customized air bearings for spacecraft applications.

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.

PRODUCTS

Product catalogue



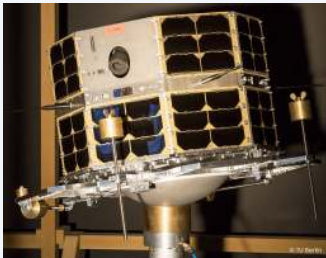
ELMSPACE

Customized Air Bearing System

Custom-designed air bearing platforms for satellite ADCS hardware ground testing and validation.

Type	Customized air bearing for ADCS ground testing
Simulation	Frictionless torque-free environment for 3-axis testing
Flight heritage	Used in TU Berlin Technosat ADCS testing campaign
Customization	Platform size, load capacity, interface – per customer requirements

price on request [datasheet](#)



ELMSPACE

Customized Air Bearing Test System

Customized air bearing platforms for ground-based attitude control system testing and ADCS validation in frictionless conditions.

Type	Air-bearing frictionless ADCS test platform
Application	Ground testing of spacecraft attitude control systems
Configuration	Customizable to mission requirements
Heritage	Used by TU Berlin for TechnoSat ADCS testing
Manufacturer	ElmSpace (Germany)

price on request



ELMSPACE

Customized Air Bearings

Customized air bearing systems for satellite ADCS testing — used in ground-test rigs such as TU Berlin's TechnoSat air bearing table.

Application	Ground-based ADCS testing (frictionless air bearing tables)
Example deployment	TechnoSat air bearing, TU Berlin

price on request



ELMSPACE

FDA Fluid Dynamic Attitude Control System

Novel fluid-dynamic attitude control system using fluid mass transfer to generate spacecraft torques without moving mechanical parts.

Actuation principle	Fluid mass transfer (fluid-dynamic torque generation)
Application	Spacecraft attitude control actuation
Platform	Nanosatellites, small satellites
Manufacturer	ElmSpace (Germany)

price on request



ELMSPACE

Fluid Dynamic Attitude Control System (FDA)

Passive fluid-dynamic attitude control system for CubeSat stabilization — no moving parts or propellant.

Type	Passive fluid-dynamic attitude control system
Stabilization method	Closed-loop fluid dynamics
Application	CubeSat and small satellite passive attitude stabilization
Power consumption (stabilization)	None (passive operation)

price on request [datasheet](#)



ELMSPACE

Fluid-Dynamic Attitude Control System (FDA)

Fluid-dynamic attitude control system for satellites — core product line providing attitude determination and control equipment for the space industry.

Technology	Fluid-dynamic attitude control
Application	Satellite attitude determination and control

price on request



ELMSPACE

G-200 / G-510 Gyroscopes

Gyroscope product line (G-200 and G-510 models) for satellite attitude sensing applications.

Models G-200, G-510

[price on request](#) [datasheet](#)



ELMSPACE

G-200 Gyroscope

Compact gyroscope for CubeSat and small satellite attitude determination.

Type Gyroscope (rate sensor)

Application CubeSat and small satellite
ADCS

Model G-200

[price on request](#) [datasheet](#)



ELMSPACE

G-510 Gyroscope

High-performance gyroscope for small satellite attitude rate measurement and ADCS integration.

Type Gyroscope (rate sensor)

Model G-510

Application CubeSat and small satellite
ADCS

[price on request](#) [datasheet](#)



ELMSPACE

G500 Gyroscope

Compact gyroscope for spacecraft attitude determination in nanosatellite and small satellite missions.

Application Spacecraft attitude
determination
(nanosatellites, small
satellites)

Function Angular rate measurement

Interface Compatible with standard ADCS
integration

Manufacturer ElmSpace (Germany)

[price on request](#)

Contact ElmSpace

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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