

NEWSPACE MARKET · COMPANY PROFILE



Prosix Engineering

Spain · founded 2006 · prosix.es

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PRODUCTS

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SERVICES

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as of 20 August 2026



Prosix Engineering

Ingeniería Prosix S.L. (Prosix Engineering) is a multidisciplinary composites engineering company based in Donostia/San Sebastián, Spain, with additional facilities in France. Founded in 2006, the company built its early experience through America's Cup boat engineering and manufacturing, as well as scientific instrument design and production, before shifting its main focus in 2008 to the construction of aeronautical and space structures. With more than two decades of combined experience, Prosix specializes in the design, manufacture and assembly of complex, high-performance carbon-fiber-reinforced-plastic (CFRP) structures. Its space and aerospace product line includes deployable masts and booms, deployable antenna reflectors, lightweight CFRP feed horns, and integral and hybrid CFRP struts, many of which incorporate fiber-optic Bragg-sensor-based structural health monitoring for in-situ damage detection. Beyond space applications, Prosix also produces carbon-fiber scientific instruments for high-radiation environments, airplane and naval radomes for marine defense customers, and hydrofoil components for competitive marine racing. The company operates under an EN9100-certified quality management system.

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 Engineering Prosix Engineering offers custom design solutions incorporating FEM analysis for high precision and efficiency in product development.	FRP Material Research Prosix Engineering has deep expertise in the development and modification of FRP materials to meet specific application needs.
Manufacturing and Process Validation Prosix Engineering defines, tests, and validates manufacturing procedures to ensure consistent, high-quality production.	Prototyping and Testing Prosix Engineering offers fast and reliable prototyping to validate designs, followed by extensive testing to ensure quality and compliance.
Qualification for Critical Environments Prosix Engineering offers expertise in producing components qualified for extreme conditions like cryogenic temperatures, high radiation, and ultra-high vacuum.	

Product catalogue



PROSIX ENGINEERING

Deployable Space Structures

Prosix offers a range of deployable space structures including masts, booms, and antenna reflectors, all utilizing advanced carbon fiber reinforced plastics for lightweight and hig

SPACE DEPLOYABLE MASTS - Length	1 – 50 meters long
SPACE DEPLOYABLE MASTS - Characteristics	Ultralight
SPACE DEPLOYABLE MASTS - Characteristics	Ultracompact
SPACE DEPLOYABLE MASTS - Characteristics	High stiffness, accuracy and stability
SPACE DEPLOYABLE MASTS - Characteristics	Modular, Scalable
SPACE DEPLOYABLE MASTS - Deployment mechanism	Passive Deployment mechanism
SPACE DEPLOYABLE MASTS - Heritage	Longest, stiffest, lightest, European mast deployed in 0g conditions

price on request



PROSIX ENGINEERING

Full Carbon Self-Deployable Booms

Ultralight, fully carbon-fiber articulated deployable boom from Prosix for reliably deploying instruments and tip-mass payloads such as reflectors or magnetometers.

Deployed length	Up to 28 m
Material	100% Carbon Fiber (Full CFRP)
Mechanism	Passive, damped self-deployment – no metallic mechanisms
Payload capability	Carries tip masses such as reflectors or magnetometers
Repeatability	Supports folding and unfolding multiple times at various velocities

price on request



PROSIX ENGINEERING

Space Deployable Antenna Reflectors

Modular, compactly-deployable composite antenna reflector structures from Prosix, scalable from 0.5 to 16 m diameter for communication and scientific instrument apertures.

Diameter range	0.5 to 16 m
Construction	Modular, hybrid composite structure
Curvature	Positive or negative curvature shapes supported
Deployment	Multiple reversible deployment and folding processes
Scalability	Growth in size using conventional truss-structure principles; modular growth with reduced

price on request

Contact Prosix Engineering

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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