

NEWSPACE MARKET · COMPANY PROFILE



Axelspace

Japan · founded 2008 · axelspace.com

3

PRODUCTS

4

SERVICES

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as of 20 August 2026



Axelspace

Axelspace is a Tokyo-based space venture company founded in 2008 by members of a Japanese university team that built and launched a 1 kg microsatellite — the first student team in history to do so. From that foundation, Axelspace has grown into a full-service microsatellite company employing approximately 160 professionals in its Nihonbashi office, which features an in-house cleanroom facility for satellite manufacturing. The company operates across two main business lines. AxelLiner is a one-stop microsatellite development and operation service — Axelspace designs, builds, tests, launches, and operates microsatellites for corporate and government customers seeking their own in-house space assets. As of 2026, Axelspace has developed and operated 11 microsatellites under this program. AxelGlobe is Axelspace's commercial Earth observation platform, built on a constellation of GRUS optical imaging microsatellites. GRUS satellites capture imagery at approximately 2.5 m resolution (with sub-50 cm available from newer variants), providing daily revisit coverage for customers in agriculture, environmental monitoring, infrastructure, disaster response, and financial intelligence sectors. The latest GRUS-3 batch of seven microsatellites was launched and acquired first signals in July 2026. Axelspace also leads in sustainability through its self-initiated Green Spacecraft Standard, aimed at reducing environmental impact from satellite mass production and space debris generation throughout each satellite's lifecycle from launch to end of operations.

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SERVICES

Services

AxelGlobe Earth Observation Platform AxelGlobe provides satellite-acquired Earth observation data and insights for various applications like agriculture, news, disaster, and environmental monitoring.	AxelLiner One-Stop Microsatellite Project Service AxelLiner offers a comprehensive one-stop service for microsatellite projects, enabling customers to realize in-orbit demonstrations and satellite-based services.
Procurement and Licensing AxelLiner provides all necessary permissions, approvals, and procurement for satellite projects, including government permits, export control, insurance, ground stations, and radio licenses.	Satellite Assembly/Integration and System Testing Axelspace performs assembly, integration, coupling, and comprehensive testing of the satellite system with customer mission equipment.

Product catalogue



AXELSPACE

AxelGlobe Earth Observation Service

Commercial Earth observation platform providing optical satellite imagery from the GRUS microsatellite constellation for agriculture, environment, infrastructure, and disaster resp

Platform	GRUS series optical imaging microsatellites
Ground sampling distance	~2.5 m (standard); higher resolution from GRUS-2/3
Spectral bands	Multispectral (visible + near-infrared)
Revisit frequency	Daily (growing constellation)
Constellation size	11+ microsatellites (GRUS-3 added 7 in July 2026)
Orbit	Sun-synchronous LEO
Applications	Agriculture, environmental monitoring, infrastructure, disaster response, maritime, financ

price on request

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AxelLiner Microsatellite Development Service

End-to-end microsatellite development, manufacturing, launch, and operations service for corporate and government customers seeking their own in-orbit assets.

Service type	End-to-end: mission design → launch → operations
Satellite class	Microsatellites
Manufacturing facility	In-house cleanroom, Nihonbashi, Tokyo
Track record	11 microsatellites developed and operated (as of 2026)
Target customers	Corporate and government customers wanting proprietary space assets

price on request



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GRUS

GRUS is AxelSpace's 100-150 kg class optical Earth-observation microsatellite bus, the building block of the AxelGlobe satellite constellation, delivering sub-3-meter multispectral

Satellite mass (GRUS-1)	~80-100 kg
Satellite mass (GRUS-3)	~150 kg (wet mass)
Panchromatic resolution (GRUS-1)	2.5 m GSD or better
Multispectral resolution (GRUS-1)	5.0 m GSD or better
Spatial resolution (GRUS-3)	2.2 m GSD
Swath width (GRUS-1)	55 km or more
Spectral bands (GRUS-1)	Panchromatic, Blue, Green, Red, Red Edge, Near-Infrared

price on request

Contact Axelspace

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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