NEWSPACE MARKET

NEWSPACE MARKET · COMPANY PROFILE

ispace

Japan · founded 2010 · ispace-inc.com

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as of 20 August 2026

ABOUT

ispace

ispace, Inc. is a Japanese private lunar exploration and transportation company founded on September 10, 2010, by CEO Takeshi Hakamada, and headquartered in Tokyo's Nihonbashi district. Originally formed as the management entity for the HAKUTO team competing in the Google Lunar XPRIZE, ispace has evolved into a full-stack lunar infrastructure provider with subsidiaries in the United States (Centennial, Colorado) and Luxembourg. The company's mission is to enable high-frequency, low-cost commercial transportation between Earth and the Moon, supporting the discovery, mapping, and utilization of natural lunar resources under its vision to Expand our planet. Expand our future. ispace operates through its HAKUTO-R lunar lander program: Mission 1 (launched December 2022) carried commercial payloads including the UAE's Rashid rover but crashed during landing in April 2023 due to a propellant depletion anomaly; Mission 2 (launched January 15, 2025) carried the RESILIENCE lander and TENACIOUS micro rover but suffered a hard landing on June 5, 2025 due to a laser rangefinder anomaly. Both missions successfully generated operational data informing the next-generation ULTRA lander program targeting 2028. Through its U.S. subsidiary (ispace-US), the company is developing the Alpine and Lupine lunar relay satellites to enable communications from the lunar far side, as well as a larger lander architecture for NASA's Commercial Lunar Payload Services (CLPS) program. ispace is listed on the Tokyo Stock Exchange (TYO: 9348) and employs approximately 300 people globally.

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

Services

high-frequency, low-cost transportation services to the lunar surface and lunar orbit

ispace provides frequent and affordable transportation services for payloads to the lunar surface and lunar orbit, enabling the delivery of essential building blocks for lunar development.

tailored solutions developed through our own spaceflight heritage

Leveraging its global presence and spaceflight experience, ispace develops customized solutions to meet specific customer needs, supported by a network of global experts.

PRODUCTS

Product catalogue

ISPACE

Alpine & Lupine Lunar Relay Satellites

Pair of lunar relay microsatellites providing continuous communications between Earth and the far side of the Moon, including near-global lunar surface coverage.

Satellite bus	Blue Canyon Technologies (BCT) Venus-100 microsatellite
Quantity	2 (Alpine + Lupine)
Ka-band uplink from lunar surface	Up to 1.3 Mbps
X-band downlink to Earth	Up to 1.3 Mbps
S-band command uplink	~55 kbps
S-band telemetry downlink	Up to 8 kbps
Primary orbit	Lunar orbit (far-side relay, Schrodinger Basin support)

price on request

ISPACE

RESILIENCE Lunar Lander (Series 1)

ispace's Series 1 lunar lander designed to deliver up to 30 kg of payload to the lunar surface, used for HAKUTO-R Mission 1 and Mission 2.

Height	~2.3 m
Width (legs extended)	~2.6 m
Launch mass (wet)	~1,000 kg
Dry mass	~340 kg
Payload capacity to lunar surface	Up to 30 kg
Landing legs	4
Propulsion	Bipropellant main thruster + attitude control thrusters

price on request datasheet

ISPACE

Tenacious Micro Rover

TENACIOUS is a lightweight micro rover developed by ispace-EUROPE (Luxembourg subsidiary), making it the first European-designed, manufactured, and assembled lunar rover, co-funded

Length	54 cm
Width	31.5 cm
Height	26 cm
Mass	~5 kg
Payload capacity	Up to 1 kg
Frame material	Carbon fiber-reinforced plastic (CFRP)
Wheels	4 (optimized for lunar regolith)

`price on request`

ISPACE

ULTRA Lunar Lander

ispace's next-generation unified lunar lander merging the Series 3 (Japan) and APEX 1.0 (U.S.) architectures, targeting several hundred kg payload delivery from 2028.

Height	~3.6 m
Width	~3.3 m
Dry mass	~1,000 kg
Payload capacity to lunar surface	Up to several hundred kg
Temperature range (TVAC validated)	-140°C (shadow) to +130°C (sunlight)
Structural heritage	Series 3 (ispace Japan) + APEX 1.0 (ispace-U.S.)
Propulsion	Engine with proven lunar flight heritage

`price on request`

Contact ispace

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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