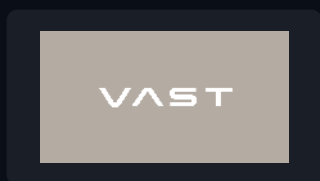


NEWSPACE MARKET · COMPANY PROFILE



Vast Space

United States · founded 2021 · vastspace.com

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PRODUCTS

newspacemarket.com/companies/vast-space/

as of 27 August 2026

A large, faint, dark blue decorative graphic on the right side of the page, consisting of concentric circular arcs and a central circle, resembling a stylized eye or a target.

Vast Space

Vast Space was founded in 2021 in Long Beach, California, with the mission of building the first commercially operated space stations providing artificial gravity for long-duration human habitation. The company is privately funded and has moved rapidly from founding to hardware development, positioning itself as a leading contender in the emerging commercial space station market as NASA transitions away from sole reliance on the International Space Station. Vast's first station, Haven-1, is designed as a single-module commercial space station intended to be the first crewed commercial space station launched independently of government-led programs. Haven-1 is designed to launch on a SpaceX Falcon 9 and host crew missions delivered via SpaceX Crew Dragon, providing habitation, research, and technology demonstration capability for private astronauts, researchers, and international partners. Beyond Haven-1, Vast is developing a roadmap toward larger, artificial-gravity space stations using rotating architecture to provide simulated gravity for long-duration crew health — a capability not present on the ISS or other current commercial station concepts. The company has assembled a team including veterans from SpaceX and other leading aerospace companies, and has secured a NASA Space Act Agreement supporting its commercial LEO destination development in the broader ecosystem of companies (including Axiom Space, Blue Origin/Sierra Space Orbital Reef, and Starlab) competing to provide ISS successor capability.

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.

Product catalogue



VAST SPACE

Haven Demo

Haven Demo is an in-space testbed designed to validate technologies for the Haven-1 space station, achieving mission success after deploying from the Bandwagon-4 rideshare mission.

Mass	552.19 kg
Power	1,100 W
Orbit	45°, 510 km
Commissioning	5 Days
Nominal Operations	27 Days
Final Operations	8 Days
Deorbit	1 Days

price on request



VAST SPACE

Haven Space Station

Vast Space's commercial space station — Haven-1 (single-module, 2025) and Haven-2 (multi-module, NASA CLD selected) — targeting research and crew habitation in LEO.

Haven-1	Single module, 4-crew, 30-day missions, Falcon 9 launched (2025)
Haven-2	Multi-module commercial station, NASA CLD selected
Transport	SpaceX Crew Dragon (crewed); Falcon 9 (cargo/station)
Founder	Jed McCaleb (Ripple, Stellar co-founder)
Founded	2021
NASA contract	CLD (Commercial Low Earth Orbit Destinations) – Haven-2

price on request



VAST SPACE

Haven-1

Haven-1 is the world's first commercial space station, targeted to launch in 2027, offering a human-centric innovation lab for private astronauts and government missions.

Launch	2027
Crew	4
Diameter	4.4 m
Height	10.1 m
Habitable Volume	45 m³
Pressurized Volume	80 m³
Mass	14,600 kg

price on request



VAST SPACE

Haven-1 Commercial Space Station

First commercial single-module space station designed for independent crewed operations — launches on Falcon 9, crew delivered via SpaceX Crew Dragon, precursor to artificial-gravi

Configuration	Single-module commercial space station
Launch vehicle	SpaceX Falcon 9
Crew transport	SpaceX Crew Dragon
Purpose	First independent commercial crewed station
Follow-on roadmap	Artificial-gravity rotating stations

price on request



VAST SPACE

Haven-1 Lab

The Haven-1 Lab is the world's first microgravity research, development, and manufacturing platform on a commercial space station, enabling innovation in microgravity.

Mass (Single MLE)	30 kg
Mass (Double MLE)	60 kg
Power (Single MLE)	100 W
Power (Double MLE)	200 W
Voltage	28 VDC
Thermal Management	Air-cooled, 100 W
Data	Ethernet

price on request



VAST SPACE

Haven-2

Haven-2 is a commercial space station designed to succeed the International Space Station, offering safe, reliable, and low-cost opportunities to expand human progress on Earth and

Crew	12
Habitable Volume	510 m ³
Pressurized Volume	1160 m ³
Consumable Mass	100,000 kg
Launch Mass	282,000 kg
Station Power	86 Kw
Payload Power	40 Kw

price on request



VAST SPACE

Large Docking Adapter

The Large Docking Adapter, with its open-sourced interface, is designed to standardize large spacecraft compatibility and support the future of larger crewed vehicles and space sta

Outer diameter	3.65 m
Pressurized opening diameter	2.90 m
Pressurized opening area	6.6 m ²
Modules	20+
Retroreflectors	3
Latches	3
Petals	3

price on request



VAST SPACE

Vast Satellite (15 kW-class satellite bus)

Vast Satellite is a new line of high-power satellite buses designed for operators across communications, Earth observation, national security, and orbital data center satellite con

Design life	5 years
LEO altitude range	350–1,200 km
Total mission ΔV	≥500 m/s
Bus dry mass	700 kg
Payload capacity	350+ kg
Dimensions	2.2 m × 3.6 m
Solar power	15 kW

price on request

Contact Vast Space

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.

<https://newspacemarket.com/companies/vast-space/>

<https://www.vastspace.com>