

NEWSPACE MARKET · COMPANY PROFILE



CAS Space

China · founded 2018 · en.cas-space.com

5

PRODUCTS

1

SERVICES

newspacemarket.com/companies/cas-space/

as of 20 August 2026



CAS Space

CAS Space Technology Co., Ltd. is a leading Chinese commercial space company founded in December 2018, developing medium-to-large liquid-fueled launch vehicles for the global commercial launch market. The company operates from Guangzhou, Huangpu District, and has grown to over 800 space professionals. CAS Space's primary launch vehicle is the Kinetica-1 (PR-1), a medium-lift solid rocket that has completed multiple successful missions. The company's next-generation vehicle, Kinetica-2 (PR-2), is a kerosene/liquid oxygen rocket targeting a payload capacity of approximately 6,000 kg to LEO, enabling cost-competitive heavy rideshare missions. The company has an impressive operational record with over 14 successful launches, delivering more than 108 satellites and placing over 19 metric tons of payload mass in orbit. CAS Space serves 27 domestic and 6 international clients across commercial constellation programs, government satellite missions, and technology demonstrators. Beyond launch services, CAS Space is developing suborbital experimentation platforms, space manufacturing capabilities, and long-term space tourism offerings, reflecting its ambition to become a full-service commercial space company.

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

Kinetica-1 — Dedicated SmallSat Launch to SSO

Kinetica-1 is a dedicated small satellite launch service to Sun-Synchronous Orbit (SSO) provided by CAS Space.

Product catalogue



CAS SPACE

Kinetica-1 (PR-1) Launch Vehicle

Chinese commercial solid-fueled medium-lift launch vehicle for LEO and SSO rideshare missions.

Propulsion	Solid
Target Orbit	LEO / SSO
Maiden Flight	2022
Missions Flown	14+
Satellites Delivered	108+

price on request



CAS SPACE

Kinetica-2 (PR-2) Launch Vehicle

Next-generation kerosene/LOX medium-heavy launch vehicle targeting ~6,000 kg to LEO.

Propulsion	Kerosene / LOX (Kincore engines)
Payload to LEO	~6,000 kg
Upper Stage	Kinastra restartable stage
Status	Under development / flight testing

price on request



CAS SPACE

Kinetica-3 Launcher

The Kinetica-3 Launcher (PR-3) is a powerful launch vehicle designed to meet future demands for space access, offering impressive capacity and reusability.

HEIGHT	91 m
LIFT-OFF MASS	1940 t
CAPACITY (LEO) (expendable)	40 t
CAPACITY (LEO) (single-stage recovery)	35 t
CAPACITY (LEO) (dual-stage recovery)	20 t
FAIRING DIAMETER	6.6 m
CORE DIAMETER	6.6 m

price on request



CAS SPACE

Li Hong – 1 Spacecraft (PH-1)

A platform for microgravity research providing the baseline solution for space manufacturing, medicine, and space tourism.

HEIGHT	9.3 m
DIAMETER	1 m
LIFT OFF MASS	7 t
LIFT OFF HEIGHT	~100 km
MICROGRAVITY DURATION	~180 s
REUSABILITY	≥10 times
CAPACITY	150 kg (cargo)

price on request



CAS SPACE

Li Hong – 2 Reusable Spacecraft (PH-2)

The Li Hong-2 (PH-2) is a reusable spacecraft designed for suborbital space tourism and cargo transport, capable of carrying up to 7 persons or 3 tons of cargo.

HEIGHT	18 m
DIAMETER	3.35 m
LIFT OFF MASS	60 t
LIFT OFF HEIGHT	≈100 km
MICROGRAVITY DURATION	≈180 s
REUSABILITY	≈30 times
CAPACITY	3 t (cargo) / 7 persons

price on request

Contact CAS 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/cas-space/>

<https://en.cas-space.com>