

NEWSPACE MARKET · COMPANY PROFILE

Rocket Lab
Launch & Space Systems

Rocket Lab

United States · founded 2006 · rocketlabcorp.com

4

PRODUCTS

1

SERVICES

2

WITH DATASHEETS

newspacemarket.com/companies/rocket-lab/

as of 20 August 2026



Rocket Lab

Rocket Lab is an American-New Zealand space company founded in 2006, specializing in small satellite launch services and spacecraft manufacturing. Listed on Nasdaq (RKLB), the company operates two primary launch vehicles: the Electron small rocket and the Neutron medium-lift rocket (in development), along with a spacecraft manufacturing division. Electron is a two-stage carbon composite launch vehicle powered by Rutherford engines — the first rocket to use 3D-printed, electric-pump-fed engines. Since its first successful launch in 2018, Electron has become the world's second most frequently launched orbital rocket, delivering satellites for commercial operators, NASA, NRO, and DARPA. Rocket Lab is also recovering and reflying Electron's first stage. Beyond launch, Rocket Lab manufactures spacecraft components and complete satellite platforms through its Space Systems division. Products include the Photon spacecraft bus (used for its own and customer missions), reaction wheels, solar panels, separation systems, and software-defined radios. Rocket Lab built and operates spacecraft for missions including NASA CAPSTONE and the Venus Life Finder. Neutron, the company's next-generation medium-lift reusable rocket, targets payloads up to 13,000 kg to LEO and is designed to compete in the commercial constellation deployment and human spaceflight markets.

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

Electron — Dedicated SmallSat Launch to LEO/SSO

Electron is a dedicated small satellite launch service, offering tailored orbits and schedule control for commercial and government operators.

Product catalogue



ROCKET LAB

Electron

Electron is an expendable, two-stage orbital launch vehicle developed and operated by Rocket Lab, designed to deliver small satellites to LEO and SSO on dedicated, frequent, low-co

Height	18 m
Diameter	1.2 m
Mass	13.0 t
Stages	2 (plus optional Curie kick stage)
First stage engines	9x Rutherford (electric pump-fed, RP-1/LOX)
First stage thrust	224.3 kN sea level / 234 kN vacuum
Second stage engine	1x Rutherford (vacuum-optimized)

price on request

[datasheet](#)



ROCKET LAB

Mahia Peninsula Launch Complex 1 (LC-1)

Rocket Lab primary launch site in New Zealand, the world first private orbital launch facility, supporting frequent Electron rocket launches.

Location	Mahia Peninsula, New Zealand
Operator	Rocket Lab
Vehicle	Electron rocket
Status	World's first private orbital launch site

price on request



ROCKET LAB

Neutron

Neutron is Rocket Lab's medium-lift launch vehicle currently in development, targeting payloads up to 13,000 kg to low Earth orbit in reusable configuration (or up to 15,000

Payload to LEO (reusable)	13,000 kg
Payload to LEO (expendable)	15,000 kg
Propellant	Liquid oxygen / liquid methane (methalox)
Engines	Archimedes (first stage: 7 engines; second stage: 1 engine)
Height	~40 m
Diameter	7 m (first stage)
Fairing design	'Hungry Hippo' – base-opening composite fairing

[price on request](#) [datasheet](#)



ROCKET LAB

Photon

Configurable spacecraft platform and in-space transportation stage for LEO, high-Earth orbit, lunar, and interplanetary missions.

Propulsion	HyperCurie engine (HTP / isopropyl alcohol)
Specific impulse	~220 s
Mission reach	LEO, MEO, GEO, lunar, interplanetary
Power	Deployable solar panels
Payload capacity	Up to 170 kg (mission dependent)
Notable mission	NASA CAPSTONE – translunar injection to NRHO (2022)

[price on request](#)

Contact Rocket Lab

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/rocket-lab/>

<https://rocketlabcorp.com>