

NEWSPACE MARKET · COMPANY PROFILE



Skyrora

United Kingdom · founded 2017 · [skyrora.com](https://www.skyrora.com)

6

PRODUCTS

1

SERVICES

newspacemarket.com/companies/skyrora/

as of 20 August 2026

Skyrora

Skyrora designs, manufactures, and deploys rockets for small satellite manufacturers seeking access to space. The company develops launch vehicle technology and aims to become a commercial provider for space access. Its product lines include a three-stage small satellite launch vehicle intended for Sun-Synchronous Orbit, a single-stage guided suborbital launch vehicle, a two-stage supersonic rocket powered by solid rocket motors, and a single-stage unguided supersonic rocket designed for simulating launch. Skyrora also provides space services for satellites in orbit and future orbital spacecrafts. The company develops engines, including a LEO engine for Skyrora XL running on hydrogen peroxide and kerosene, producing 3.5 kN thrust, which has passed tests with Ecosene fuel and is capable of multiple re-ignitions. Another engine is a seven-tonne engine for the first and second stages of the orbital Skyrora XL launch vehicle, using advanced turbopump techniques and capable of 70 kN thrust. This is a regeneratively cooled liquid rocket engine using a pressure fed system. Skyrora is headquartered in Glasgow, UK, with a manufacturing facility in Cumbernauld and other facilities located across Europe. The company is involved in research and development on projects such as Ecosene, an RP-1 equivalent derived from unrecyclable plastic waste.

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

Skyrora XL — SmallSat Launch to SSO

Skyrora XL is a three-stage small satellite launch vehicle designed to place payloads into Sun-Synchronous Orbit.

Product catalogue



SKYRORA

Skylark L

Skylark L is a guided suborbital launch vehicle designed to carry payloads to an apogee altitude of 102 km.

Length	11.65 m
Diameter	0.7 m
Lift-off mass	2,466 kg
Payload mass	50 kg
Propellant	HTP / KEROSENE
Apogee altitude	102 km
Time to apogee (from launch)	225 s

price on request



SKYRORA

Skylark Micro

Skylark Micro is a suborbital launch vehicle designed for testing electrical systems under g-force, evaluating payload material construction and thermal coatings, and launching sma

Length	3.32 m
Propellant	HTPB
Airframe diameter of the First stage	0.102 M
Thrust of the First stage	1.56 kN
Airframe diameter of the Second stage	0.075 M
Thrust of the Second stage	0.84 kN
Payload mass	Up to 1 kg

price on request



SKYRORA

Skylark Nano

Skylark Nano is a suborbital launch vehicle designed for research and data collection, featuring simple pre-launch and launch operations.

Diameter	0.102 M
Propellant	HTPB
Lift-off mass	13.325 KG
Payload mass	UP TO 1 KG
Maximum thrust	1 825 N (182.5 KG)
Thrust	1 526 N (152.6 KG)
Motor type	SOLID PROPELLANT

price on request



SKYRORA

Skyrora XL

Skyrora XL is a three-stage orbital launch vehicle designed to deliver payloads of up to 315 kg to orbit.

Length	22.7 m
Diameter	2.2 m
Lift-off mass	55,838 kg
Payload mass	Up to 315 kg
Propellant	HTP / kerosene
Max G-load	5 g
Third Stage Propulsion	1 x LE0 engine

price on request



SKYRORA

Space Tug

The Space Tug is the maneuverable third stage of the Skyrora XL launch vehicle, enabling deployment of multiple payloads into their chosen orbits from a single launch.

Length	2 M
Diameter	1.9 M
Dry mass	530 kg
Loading mass	590 kg
Propellant	HTP / kerosene
Propellant feed system	Pressure-fed
Main engine thrust in a vacuum	3.5 kN

price on request



SKYRORA

Third Stage

The third stage of the Skyrora XL launch vehicle is a versatile orbital installation vehicle designed to deliver payloads to their chosen orbital inclination.

Length	1.4 M
Diameter	1.9 M
Dry mass	314 KG
Loading mass	590 KG
Propellant	HTP / KEROSENE
Propellant feed system	PRESSURE-FED
Thrust in vacuum	3.5 kN

price on request

Contact Skyrora

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/skyrora/>

<https://www.skyrora.com/>