

TRIUMPH

Terran Orbital presents the Triumph-class spacecraft platform, our smallest and most agile spacecraft platform. The platform is the standard point of departure for technology demonstrator missions, where minimizing launch costs is critical.

Triumph is Terran Orbital's most flown spacecraft platform and was previously referred to as Trestles. It shares common modules with the entire spacecraft product line. It incorporates the same avionics and GNC algorithms as Terran Orbital's larger platforms. Terran Orbital minimized the power storage volume and structure to allow Triumph to fit on almost any launch vehicle.

Triumph meets the requirements for 'rail' based dispensers, including those sold by Terran Orbital. It has a compact tri-fold solar array, providing more power to a payload than is often available in this form factor. The platform is built for unrivaled agility, quickly able to maneuver between targets and target modes.

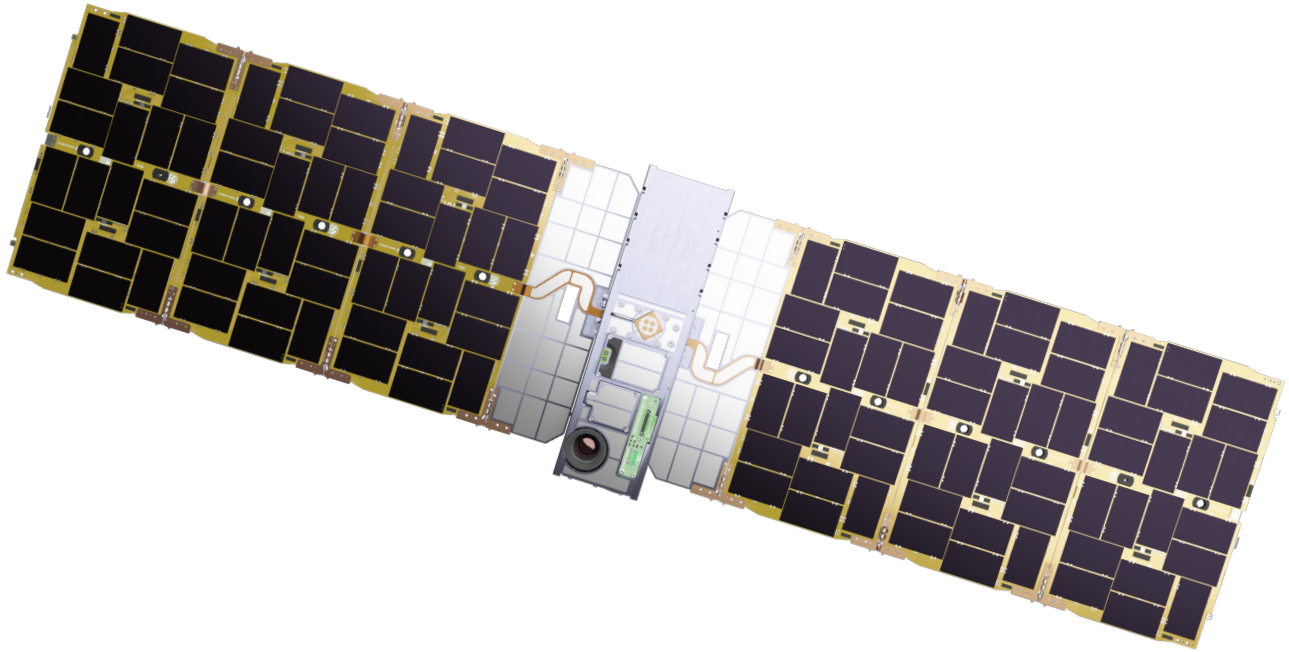
Terran Orbital employs top-of-the-line automation and modern manufacturing processes to support the delivery of hundreds of spacecraft annually. From order to launch, in quantities from one to a constellation of one hundred, Terran Orbital accelerates the delivery of mission solutions.

KEY BENEFITS

- Small size to allow integration onto almost any launch vehicle
- Based on hardware with significant flight heritage on missions including NASA Pathfinder Technology Demonstrator and GeoStare SV2
- Unparalleled spacecraft agility

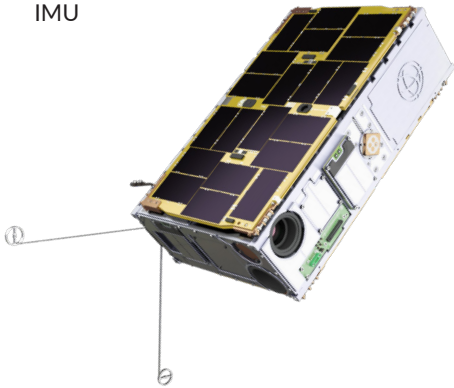


TRIUMPH



BASELINE MODULES INCLUDED

- Flight Computer
- Backplane
- 12V Battery Modules (2)
- 12V MPPT
- 12V Load Controller
- Coarse Sensors (2)
- Star Trackers (2)
- GPS
- Magnetorquers (3)
- Reaction Wheels (3)
- LDRR Radio
- MDR Radio
- IMU



SPECIFICATIONS*

Configuration	6U
Applications	LEO
Native Orbits	400km - 1200km
Launch Mass (Wet)**	up to 14kg
Available Payload Mass	5kg
Max Solar Array Power	100W
Redundancy	Single-string
Power System	12V Unreg, 3.3V, 5V rails available
Communication Data Rate	UHF: 9.6 Kbps (U/L & D/L) S-band: 125 Kbps U/L, 2 Mbps D/L X-Band: 50 Mbps D/L
Propulsion	None standard, options available
Pointing Accuracy	30 to 75 arcseconds higher accuracy available

* For additional spacecraft specifications or to configure a platform for your requirements, please contact a sales professional.

** maximum mass may not be supported on all launch vehicles or with all deployers.

