

TPOD



CONTROL TOTAL COST OF OWNERSHIP

Since 1983 Commercial Space Technologies (CST) has supported customers managing their **Total Cost of Ownership** from integration to launch. CST continues to collaborate with Third Planet Orbital to simplify all aspects of launch, from eliminating specialist personnel required on-site to vastly reducing the complexity of integration.



BENEFITS

Fast and Easy Satellite Installation.

- No bespoke tools or specialist training.
- Transport & launch ready upon satellite insertion.
- No on-site burden (no additional setting activities).
- Maximised satellite access post insertion.

Deployment Assurance.

- Redundant release.
- Redundant satellite presence detection.
- Redundant on ejection confirmation.
- Self latching exit.

Envelope Increases Mission Capabilities.

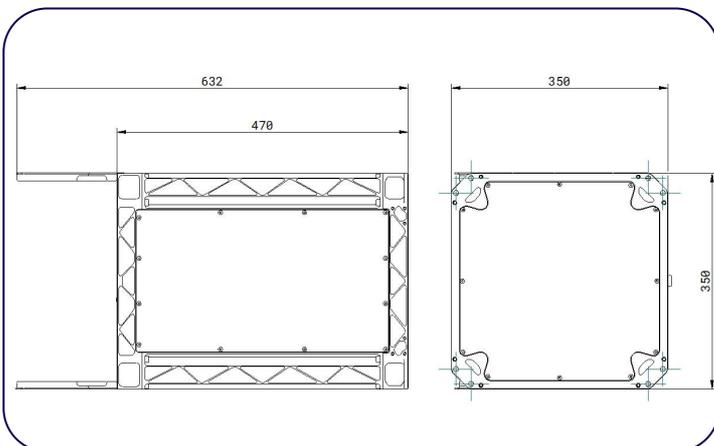
- Derisks adverse effects on surface mounted systems.
- End face availability (not restricted to 'tuna can volumes').
- Increased payload capabilities.

Intuitive Ground Support Equipment.

- TPO satellite insertion support on loan.
- TPO electrical test kit on loan.

ITAR Free Componentry...

TECHNICAL



Variant	TPOD-12XL
Mass [kg]	<6.75
Satellite Size [mm]	12U-XL (226.3±0.1 x 226.3±0.1 x 366±0.3)
Volume Excursions	3 faces (40), 1 face (15), end face (60)
Satellite Mass [kg]	27.4
Ejection Velocity (ms ⁻¹)	2.0
Connector	D-Sub [DE-9] Plug
Release Pulse (V _{DC} , s, A)	18-36, 1, <1
Vibration	NASA GEVS [GSFC-STD-7000B] Levels
Outgassing (%)	TML ≤1.0 - CVCM ≤0.1

SIMPLIFYING TIME TO MISSION SUCCESS