

NEWSPACE MARKET · COMPANY PROFILE

TRL SPACE 

TRL Space

Czech Republic · founded 2014 · trlspace.com

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WITH DATASHEETS

newspacemarket.com/companies/trl-space/

as of 20 August 2026



TRL Space

TRL Space (TRL Space Systems s.r.o.) is a 100% Czech, privately-held space technology SME founded in 2014 and headquartered in Brno, Czech Republic, with additional offices in Prague, Munich, Warsaw and Kigali. The company operates as both a mission integrator and a hardware builder, covering the full chain from mission analysis and MAIT (mechanical, assembly, integration and test) through launch, operations and data delivery. On the hardware side, TRL Space designs and manufactures the CAVE CubeSat deployer family (6-16U, redundant electromagnet-driven HDRM), the TILT two-axis integration stand for CubeSat AIT operations, and the TRONE/CRUSOE electrical ground support equipment (EGSE) platforms used for payload emulation and spacecraft testing. The company also operates Test Space, a combined thermal-vacuum and vibration test facility in Brno, and produces Prusament PC Space Grade Black, an ESA-outgassing-compliant 3D printing filament for space and ground-support hardware. As a mission integrator, TRL Space has led Czech-flagged satellite missions including TRACE, TROLL NG, TRAP and TRULY, and delivered payload electronics for ESA's EnVision mission. Its Earth observation and TRULY intelligence services serve agriculture, environmental protection, defence, infrastructure monitoring and mining customers, and the company also provides defense-grade ISR capabilities from its East Africa office in Kigali, Rwanda.

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

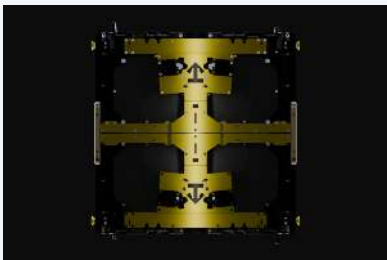
Engineering support

TRL Space offers engineering support as part of their product offerings, assisting customers with technical aspects.

Thermal vacuum, vibration, and cleanroom testing

TRL Space offers thermal vacuum, vibration, and cleanroom testing services in their Brno facility, operated by satellite engineers.

Product catalogue



TRL SPACE

CAVE Deployer

The CAVE Deployer is a CubeSat deployment system designed for 6U to 16U CubeSats, featuring a redundant HDRM system, deployment telemetry, and customizable rail lengths.

Deploy CubeSats Sizes	6–16 U
Protrusions Size	28 mm
Maximum Lead Times	18 Weeks
Price Starting At	44.9K EUR
Customizable Rail Length	366 mm to 454 mm
Standard lead time	up to 18 weeks from receipt of the order
Reduced lead time	as little as 4 weeks for delivery (once final configuration is confirmed)

from €44 990 [datasheet](#)



TRL SPACE

Prusament PC Space Grade Black

Prusament PC Space Grade Black is an ESD-safe, low-outgassing polycarbonate filament engineered for functional parts and ground support components in space and vacuum environments.

Tensile Strength	75 MPa
Tensile Modulus	3.7 GPa
Outgassing (ESA) TML	0.25 %
Outgassing (ESA) RML	0.12 %
Outgassing (ESA) CVCM	0.00 %
Material	Polycarbonate with carbon additives (ESD-safe, low-outgassing)
Drying	6 h / 60 °C, keep in a drybox during print

price on request [datasheet](#)



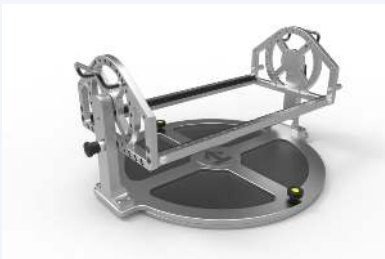
TRL SPACE

Test Space

Test Space is a comprehensive environmental testing facility offering thermal vacuum, electrodynamic shaker, and cleanroom services for hardware qualification, particularly suited

shaker force	45 kN (90 kN Shock)
shaker Max dynamic payload	100 kg
shaker MAX frequency	2000 Hz (on 1050×1050 mm slip table)
TVAC TEMPERATURE RANGE	-70 to +200 °C
tvac ULTIMATE VACUUM	< 10 ⁻⁶ mbar
tvac INTERNAL VOLUME	900×600×600 mm

[price on request](#)



TRL SPACE

TILT

TILT is a two-axis rotation integration stand designed for CubeSats ranging from 6U to 16U, facilitating assembly, integration, and testing (AIT) with features for reduced handling

Integrate CubeSats of sizes from	6-16 U
Price of your Integration Stand	6,990 EUR
Axes controlled rotation	2 axis
TRL Level	9+

[flight proven · TRL 9](#) [price on request](#)



TRL SPACE

TRONE & CRUSOE EGSE

Modular electrical ground support equipment platforms for satellite AIT:
TRONE for full-scale payload emulation, CRUSOE as an entry-level FPGA-based tester.

TRONE - TRL level	4
TRONE - Availability	2028
TRONE - Interface support	SpaceWire, LVDS, CAN, RS-422, SPI, Ethernet, custom links
TRONE - Intended phase	Full AIT workflows
CRUSOE - Core architecture	FPGA-based platform
CRUSOE - Interface support	RS-232/485, CAN, Ethernet, SPI, I2C
CRUSOE - Intended phase	Breadboard, EM, software development

TRL 4 price on request

Contact TRL 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.

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<https://www.trlspace.com>