

NEWSPACE MARKET · SECTOR CATALOGUE

Test Equipment & EGSE

Every unit we list in this sector — specifications, manufacturers and where to ask for a quote. Compiled from the live NewSpace Market catalogue.

251

PRODUCTS

83

MANUFACTURERS

23

COUNTRIES

66

WITH DATASHEETS

newspacemarket.com/catalogues/test-equipment/

as of 17 August 2026

What is inside

This catalogue lists **251 test equipment & egse products** offered by **83 manufacturers** across **23 countries**. Of those, 66 carry a manufacturer datasheet and 16 publish a price; the rest are quoted on request — normal in this market, where configuration drives cost.

Entries are grouped alphabetically by manufacturer. Every product links back to its page on [newspacemarket.com](#), where you will find the full specification, the datasheet and a quote form that reaches the manufacturer directly.

Compiled 17 August 2026 from the live catalogue. Specifications are as published by the manufacturers; we normalise units but do not re-measure. Where a figure looked implausible it was left out rather than guessed.

Manufacturers by country

United States 22	Germany 9	India 6	United Kingdom 6	Netherlands 6	China 4	France 4
Italy 3	Czech Republic 3	Denmark 2	Switzerland 2	Russia 2	Poland 2	Hungary 1
Greece 1	Bulgaria 1	Japan 1	South Africa 1	Spain 1	Ukraine 1	Israel 1
Australia 1	Slovenia 1					

All products at a glance

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
“TERRA” complex of space environment simulators	Glavkosmos	Russia	Year of release: 2017	on request
1.5P VibePOD	Wyrn Engineering	Netherlands	Dimensions w/o plate: 98mm x 96mm x 117mm	on request
12U MyPOD2	Gran Systems	United States	Temperature range: -50°C to +100°C	on request
1p/2p/3p Horizontal Integration Support Jig	Alba Orbital	United Kingdom	Length: 272 mm	on request
1U CubeSat Vibration Shaker Test Jig	CubeSat Aerospace	India	Supported CubeSat Size: 1U (100 mm x 100 mm x 113.5 mm)	on request
27G RadNano-EB Evaluation Board	27G Technology	Hungary	UART Protocol: 9600 8-N-1	on request
2P VibePOD	Wyrn Engineering	Netherlands	Dimensions w/o plate: 147mm x 98mm x 96mm	on request
3P Vibe POD	Wyrn Engineering	Netherlands	Dimensions w/o plate: 211mm x 98mm x 96mm	on request
3U MyPOD1	Gran Systems	United States	Temperature range: -50°C to +100°C	on request
3U MyPOD2	Gran Systems	United States	Temperature range: -50°C to +100°C	on request
410-DHR Reflectometer	Surface Optics Corporation	United States	Measurement type: Integrated directional-hemispherical reflectance	on request
5402 GTEM Test Cell	ETS-Lindgren	United States	Compliance standards: IEC 61000-4-20, ANSI C63.4	on request
5405 GTEM Test Cell	ETS-Lindgren	United States	Compliance standards: IEC 61000-4-20, ANSI C63.4	on request
5407 GTEM Test Cell	ETS-Lindgren	United States	Compliance standards: IEC 61000-4-20, ANSI C63.4	on request
5903-HST High Speed Reverberation Tuner	ETS-Lindgren	United States	Max continuous rotation speed: 100 RPM	on request
5G NTN Network Emulator (NEMU)	Gatehouse Satcom	Denmark	–	on request
A Set of Stationary Control and Verification Equipment (SSCVE)	Glavkosmos	Russia	Year of release: 2017	on request
AAA Engineering & Test Lab	AAA Engineering & Test Lab	United States	Testing standards: MIL-STD-202, MIL-STD-461, MIL-STD-750, MIL-STD-883, MIL-...	on request
Active Weightlessness System	Glavkosmos	Russia	Purpose: Ground modal testing under conditions simulating weightlessness an...	on request
Aerotable test bench for mutual movement of spacecraft	SPUTNIX	Russia	Overall dimensions: 5000x4000x3000 mm	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Air Bearing (15 kg)	Glavkosmos	Russia	Max carrying capacity, kg: 15	on request
Air Bearing (160 kg)	Glavkosmos	Russia	Max carrying capacity, kg: 160	on request
Air Bearing (35 kg)	Glavkosmos	Russia	Max carrying capacity, kg: 35	on request
Air Bearing (65 kg)	Glavkosmos	Russia	Max carrying capacity, kg: 65	on request
AMS-5700 Compact 5G Antenna Measurement System	ETS-Lindgren	United States	Format: Tabletop, 2D (optional 3D roll-axis stage)	on request
AMS-5703 5G CATR Antenna Measurement System	ETS-Lindgren	United States	Quiet zone diameter: 60 cm	on request
Anechoic chamber	SPUTNIX	Russia	Working volume: not less than 2x2x2 m	on request
Anyfields Fieldisplay — Antenna EM Radiation Visualizer	TechTheMoon	France	Function: Electromagnetic radiation visualization and antenna performance m...	on request
Assembly JIG	EnduroSat	Bulgaria	Dimensions: 351.5x150x40 mm	on request
ASTROFEIN ACS Test Bed	EXA (Astro-und Feinwerktechnik)	Germany	Rotation around vertical axis: free 360°	on request
ATE for Space Systems	Data Patterns (India) Ltd.	India	—	on request
ATLAS ICU (Initiation Control Unit)	SPACERACE s.r.o.	Czech Republic	Actuation steps: Activation, arming, fire	on request
Automated Multi-Purpose Tester UTP 9085	NOFFZ Technologies	Germany	Handling: Automatic rotary/indexing table through multiple test/inspection ...	on request
Automated Test Equipment (ATE) for Aerospace and Space Applications	Data Patterns (India) Ltd.	India	Initial Product: DP-800 Multi Programmer (1994)	on request
Automated Testing Complex ATC	Glavkosmos	Russia	Purpose: Comprehensive ground-based electrical testing and spacecraft syste...	on request
Autonomous Measurements System	Glavkosmos	Russia	Purpose: Designed to verify the work of attitude determination and control ...	on request
Board-Level Tester UTP 9011 RF	NOFFZ Technologies	Germany	DUT capacity: Up to 4 DUTs tested in parallel	on request
CANDELABRA	Spartan Space	France	System type: Artificial sun simulator / precision lighting array	on request
CanSat Kit	Hex-Star Universe	India	Sensors: Temperature, humidity, barometric pressure, altitude, GPS, acceler...	on request
CATR Radar Test System UTP 5069	NOFFZ Technologies	Germany	Test technology: CATR (Compact Antenna Test Range) with integrated paraboli...	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
CAVACam	XCAM	United Kingdom	Vacuum Compatibility: UHV / XHV / UCV	on request
Changchun Optical Payload Manufacturing AIT Center	MinoSpace	China	Integrating Sphere Diameter: 3-meter	on request
Climats EXCAL3 1000 Environmental Test Chamber	Climats	France	Internal dimensions (W x D x H): 1000mm x 1000mm x 1000mm	on request
Climats EXCAL3 140 Environmental Test Chamber	Climats	France	Internal dimensions (W x D x H): 540mm x 400mm x 700mm	on request
Climats EXCAL3 220 Environmental Test Chamber	Climats	France	Internal dimensions (W x D x H): 540mm x 600mm x 700mm	on request
Climats EXCAL3 770 Environmental Test Chamber	Climats	France	Internal dimensions (W x D x H): 900mm x 950mm x 900mm	on request
Comprehensive Testing Services	Exterior Laboratories	United States	Vacuum level: 10 ⁻⁷ torr	on request
Control Complex of a Large-sized Products	Glavkosmos	Russia	Purpose: Real time control of large-sized product forms (from 10 m and more)	on request
Cryogenic Testing Services	Exterior Laboratories	United States	Minimum test temperature: 4K (-269°C)	on request
CubeDynA	Nautilus Navigation in Space	Israel	Supported platforms: 1U to 12U CubeSats	on request
CubeSat ADCS Testing Facility	Glavkosmos	Russia	Purpose: Designed for functional testing of CubeSat 3U orientation and stab...	on request
CUBESAT DESKSAT	EnduroSat	Bulgaria	Dimensions: 449x386x135 mm	on request
CubeSat Kit GEN1	Hex-Star Universe	India	Dimensions: 10 × 10 × 10 cm (1U)	on request
CubeSat Mechanical Ground Support Equipment (MGSE)	Serenum Space	Czech Republic	Vertical/Horizontal Support Jig material: Aluminium 2025, PA/PEEK clamps, A...	on request
CUBESAT TEST POD	EnduroSat	Bulgaria	Dimensions: 144.3 x 269 x 431.7 mm	on request
Custom Cryostats	Lidax	Spain	Operating temperature: In-house test asset: 20 to 300 K	on request
Custom Thermal Vacuum Chambers	Lidax	Spain	Interface: Custom-configured size, temperature range, vacuum level, and opt...	on request
Customized Air Bearing System	ElmSpace	Germany	Type: Customized air bearing for ADCS ground testing	on request
Customized Air Bearing Test System	ElmSpace	Germany	Type: Air-bearing frictionless ADCS test platform	on request
Customized Air Bearings	ElmSpace	Germany	Application: Ground-based ADCS testing (frictionless air bearing tables)	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Data Logger	Magson GmbH	Germany	Channels: 3 channels	on request
Detector Evaluation Systems	XCAM	United Kingdom	CIS 120 Sensor Format: 2048 x 2048 pixels	on request
DHS 514 Pressure Converter	Glavkosmos	Russia	Estimated production / delivery time: 6 months	on request
DHS 517 Pressure Converter	Glavkosmos	Russia	Purpose: Measurement of sound pressure of non-aggressive gaseous media acti...	on request
Direct Field Acoustic Testing (DFAT)	Experior Laboratories	United States	Process time: Load-in to load-out in ≤4 days for large satellite	on request
DRSA-2500B / TRSA-2500B Dual/Triple Spectrum Analyzer	AVCOM of Virginia	United States	Frequency Range: 5 MHz – 2,300 MHz	on request
Dynamic Pressure Sensor Vt 206	Glavkosmos	Russia	Purpose: Measurement of the static-dynamic pressure of liquid and gaseous a...	on request
Dynamic Spectrum Environment Emulator (DYSE®)	Parsons Space	United States	Tuning range: up to 20 GHz	on request
Dynamic Star Simulator DSS-25	TY-Space Technology	China	Field Of View: 20x20 deg	on request
Dynamic Star Simulators (DSS-14)	TY-Space Technology	China	Field Of View: 20°×20°	on request
Dynamic Test System	TY-Space Technology	China	Dynamic Star Simulator: Receives quaternion from simulator computer; output...	on request
Dynamics Testing Services	Element Defense	United States	Acceleration Test Centrifuge Diameter: 1ft (0.3m) to 62 ft (16m)	on request
EGSE and SCOE Ground Test Equipment	Tsd-space	Italy	Programs supported: PRISMA, SENTINEL-3, ISS EML, SAR-LUPE, ARG0, FOTON, VIR...	on request
EGSE Box & Software	Pyxis Space	Germany	PC Interface: USB	€5 000
EHP High Performance Microwave Pyramidal Absorber	ETS-Lindgren	United States	Frequency range: 30 MHz-100 GHz	on request
EMI/EMC Testing Services	Element Defense	United States	Radiated Susceptibility: up to 200V/m, 10kHz to 40GHz	on request
Emtech Space Snapshot Multi-Magnetometer Facility (Snapshot-MMF)	Emtech Space	Greece	Sensor array: 12 Bartington Mag-13MS fluxgate magnetometers	on request
Emtech Space Suitcase Multi-Magnetometer Facility (Suitcase-MMF)	Emtech Space	Greece	Frequency range: DC to 50,000 Hz	on request
End-of-Line Tester UTP 6010 RF	NOFFZ Technologies	Germany	Test type: RF functional test, end-of-line / board-level (FKT/EOL)	on request
End-of-Line Tester UTP 9010 RF	NOFFZ Technologies	Germany	Test type: Parallel RF functional test, EOL	on request
Engine Firing Test Facility — Rocket Propulsion Testing	Hokkaido Spaceport (SPACE COTAN)	Japan	Location: Launch Complex 0 (LC0), Bisei, Taiki-cho, Hiroo-gun, Hokkaido, Japan	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Environmental Simulation Testing	Element Defense	United States	–	on request
Environmental Stress Screening Chamber Type E1 (<3m³)	Climats	France	Temperature Range: -80°C to +200°C (+250°C on request)	on request
Environmental Test Chamber for Battery Testing	Climats	France	Temperature Range: -90°C to +220°C	on request
Environmental Test Chamber for Photovoltaic (PV) Panel Testing	Climats	France	Application: Photovoltaic (PV) module environmental and power qualification...	on request
Environmental Testing Services	Needronix	Poland	Test types: TVAC, vibration, shock, EMC/EMI	on request
Equipment for determining the center-of-mass position and inertia characteristics of nanosatellites	Glavkosmos	Russia	Inaccuracy of the center-of-mass position determining: not more than 1 mm	on request
EVO-CLM (Rev B) Compact Spectrum Analyzer	AVCOM of Virginia	United States	Frequency Range (Model 2290): 900–2200 MHz	on request
Excal GT-FC Air Generator	Climats	France	Temperature Range: -70°C to +200°C	on request
EXCAL³	Climats	France	Available volumes: 150 L / 225 L / 400 L / 540 L / 770 L / 1,000 L / 1,400 ...	on request
Extreme 320	Climats	France	Temperature Range: +180°C to -90°C (+200°C to -100°C optional)	on request
EyasSat Single axis air bearing for Attitude Control Studies	EyasSat	United States	Manufacturer: EyasSat	€1 093
FlatSat Ground Test Rig	HEX20	India	PC-104 slots: 6 (CDH, EPS, COMMs, Interface Card, 2 spares)	on request
Flight Switch Simulator Module	Pumpkin, Inc.	United States	Simulated RBF switches: 1	\$425
Force Sensor Vt 114	Glavkosmos	Russia	Estimated production / delivery time: 6 months	on request
Gradiometer (MFG-2S)	Magson GmbH	Germany	Sensor configuration: Two independent fluxgate sensors in spatial gradient ...	on request
GSE Clampband	RUAG Space	Switzerland	Clampband PAS 937 S: Manufactured per Ariane 5 User's Manual (Issue 5 Rev 2...	on request
Hardware Testing for Extreme Environments	Lunar Research Service	Ukraine	–	on request
HFF-AMF InnoWave 4 (Horizontal Far Field Antenna Measurement Facility)	Sisir Radar	India	Angular Precision: 0.45 deg	on request
High Altitude Balloon 300g	Hex-Star Universe	India	Mass: 300 g	on request
High-Temperature Thermal Chamber ESS +265°C	Climats	France	Temperature Range: -80°C to +265°C	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
High-Vacuum Testing Service	OhmSpace	Italy	Minimum pressure: 1×10 ⁻⁶ mbar	on request
Hydraulics Testing Services	Element Defense	United States	–	on request
Hydrocarbon Safety Chamber (MIL-DO-160)	Climats	France	Temperature Range: -70°C to +180°C	on request
IABG Space Systems Testing and Qualification Services	IABG	Germany	Thermal vacuum chamber (Phenix, ESTEC/ETS): 4 m diameter × 10 m length, <10...	on request
Imager Control System (ICS)	XCAM	United Kingdom	Sensor: Teledyne e2v 'Capella', 2k x 2k back-illuminated, 10 µm pixels	on request
Imager Control System (ICS) for Detector Evaluation	XCAM	United Kingdom	Sensor: Teledyne e2v CIS 300	on request
Instrument SCOE	CELESTIA Satellite Test & Simulation	Netherlands	Form factor: Integrated 19" rack or tabletop enclosure	on request
ISISPACE Training Platform	ISISPACE Group	Netherlands	Manufacturer: ISISPACE	€9 800
JFPC-C8051 Programming Adapter	Pumpkin, Inc.	United States	SKU: 710-00488	\$50
JFPC-MSP430 Programming Adapter	Pumpkin, Inc.	United States	SKU: 634-00334	\$50
JFPC-PIC24 Programming Adapter	Pumpkin, Inc.	United States	SKU: 710-00540	\$50
LABCAL	Climats	France	Available Volumes: 20 L, 30 L, 60 L, 100 L	on request
Labsat – Test and Development Setup	Alba Orbital	United Kingdom	–	on request
LabSat 3	LabSat	United Kingdom	Constellations: GPS/Galileo/SBAS/QZSS, GLONASS, or BeiDou	on request
LabSat 3 Wideband	LabSat	United Kingdom	Constellations: GPS L1, L2, L5; Galileo E1, E5a/b, E6; GLONASS G1, G2, G3; ...	on request
LabSat 4	LabSat	United Kingdom	Constellations: GPS L1, L2, L5; Galileo E1, E5a/b, E6; GLONASS G1, G2, G3; ...	on request
Launch Pad Count Down Test System (SDSC-SHAR)	Data Patterns (India) Ltd.	India	–	on request
LCS MiniNODE	LiquidCool Solutions	United States	Ingress protection: IP67	on request
LCS Small-Scale Server (SSS)	LiquidCool Solutions	United States	Power range: 1.1 - 8 kW	on request
LCS ZPServer (Zero-Pressure Server)	LiquidCool Solutions	United States	Cooling capacity: up to 4 kW per 2U	on request
Load Board	Pumpkin, Inc.	United States	SKU: 711-00651	\$255

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Load Module	Pumpkin, Inc.	United States	VCC_SYS: +3.3V	on request
LoadPath 3U CubeSat Mass Simulator	LoadPath (Redwire)	–	Design simulates: mass and center of mass of a 3U CubeSat	on request
LoadPath 6U CubeSat Mass Simulator	LoadPath (Redwire)	–	Design simulates: mass and center of mass of a 6U CubeSat	on request
LRS Hardware Testing for Extreme Environments	Lunar Research Service	Ukraine	Test capabilities: Vibration testing, vibroacoustics, modal characteristics...	on request
Lumen Thermal Vacuum (TVAC) Test System	Hypernova Space Technologies	South Africa	Facility location: Cape Town, South Africa	on request
Lunar Research Service (LRS)	Lunar Research Service	Ukraine	–	on request
Lunar Research Service (LRS) Hardware Testing & Mission Services	Lunar Research Service	Ukraine	Flight heritage: LRS 3U satellite launch agreement with Rocket Factory Augs...	on request
LVDS Front-End	CELESTIA Satellite Test & Simulation	Netherlands	Channels: Up to 4 parallel inputs/outputs (8-bit)	on request
MA61C EGSE	Space Products and Innovation (SPiN)	Italy	Interfaces supported: SpaceWire, I2C, CAN, UART, MIL-STD-1553, GPIO	on request
MADS 3D Dynamic Simulator	Adcole Space (Redwire)	United States	Manufacturer: MAI	€8 661
Magnetic Field Simulator	Glavkosmos	Russia	Purpose: Designed for magnetic field simulation along the orbital trajectory...	on request
Mass-spectrometer Helium Leak Detector Type	Glavkosmos	Russia	Year of release: 2011	on request
Measuring Instrument KS T-406N Tester	Glavkosmos	Russia	Purpose: T-406N KS tester is intended to control technical characteristics ...	on request
Mechanical Shock Testing	Element Defense	United States	–	on request
Mechanical Shock Testing Services	Experior Laboratories	United States	Classical shock: Up to 1,500 G	on request
Metrology	General Atomics Synopta GmbH	Switzerland	Capabilities: Point spread function, focal length, distortion, magnificatio...	on request
MIL-1553 Front-End	CELESTIA Satellite Test & Simulation	Netherlands	Form factor: 19" 2U hardware platform	on request
MinoSpace Advanced Equipment Manufacturing Laboratory	MinoSpace	China	Total area: nearly 5,000 square meters	on request
Model 2265 Multi-Channel PCM Bit Synchronizer	GDP Space Systems	United States	Channels: Up to 4 per 2U chassis	on request
Model 2267C Multi-Channel Correlating Best Source Selector	GDP Space Systems	United States	Input streams: Up to 16	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Modular Chamber (CM) Volume over 3m³	Climats	France	Volumes: from 8 to 100 m³	on request
Modular Chamber for Burn-In (RELY STATION)	Climats	France	Temperature Range: 0°C to +70°C	on request
MPT-G Multi-Purpose Trolley Giga	RUAG Space	Switzerland	Motion: Table tilts and rotates to any attitude between spin axis vertical ...	on request
Multi-DUT Burn-In / Screening Tester UTP 9065	NOFFZ Technologies	Germany	Test type: Multi-DUT burn-in, screening, long-term functional test	on request
Multi-Purpose Interface Platform (MPIP)	CELESTIA Satellite Test & Simulation	Netherlands	Chassis: 3U 19" rack mountable or tabletop (4U/2U variants available)	on request
Munitions Testing	Element Defense	United States	–	on request
Nanosatellite Debug Board	Glavkosmos	Russia	Purpose: Board designed to allow debugging of any onboard system or full na...	on request
NF-AMF Hexahedron (Near Field Antenna Measurement Facility)	Sisir Radar	India	Maximum Scanning Area: 1.5 m x 1.5 m	on request
NPL Space Metrology and Calibration Services	National Physical Laboratory (NPL)	United Kingdom	Services: Precision metrology, sensor calibration	on request
Optical Star Pattern Simulator (OSPS)	TY-Space Technology	China	Field Of View: 15°×15°	on request
OSI Optical Sky Stimulator	Jena-Optronik	–	Function: Dynamic closed-loop end-to-end star sensor testing	on request
OSPS Optical Star Pattern Stimulator	Jena-Optronik	–	Function: Static star pattern simulation (open-loop)	on request
PEB1 VA416X0 Radiation-Hardened MCU Development Kit	VORAGO Technologies	United States	Target MCU Options: VA41620 or VA41630 (ARM Cortex-M4, HARDSIL)	on request
PFO 1040	XCAM	United Kingdom	Total Detection Area: 4 cm2	on request
Piezoelectric Pressure Pulsation Sensor LH 604	Glavkosmos	Russia	Estimated production / delivery time: 6 months	on request
Piezoelectric Pressure Pulsation Sensor LH 608	Glavkosmos	Russia	Range of measurements of pressure pulsations, Mpa: 0,05-5,0	on request
PJP-CP26 Conformal Printer	Space Foundry	United States	Process: Single-step atmospheric-pressure plasma jet printing, no pre- or p...	on request
PJP-DT155 Desktop System	Space Foundry	United States	Process: Single-step atmospheric-pressure plasma jet printing, no pre- or p...	on request
Platform for Installation of Cubesat 3U satellite	Glavkosmos	Russia	Purpose: Designed for CubeSat 3U satellite with ADCS installation to test o...	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Platform for Installation of Tabletsat Devices	Glavkosmos	Russia	Purpose: Designed for "TabletSat" satellite devices installation to test on...	on request
Platform for Installation of the Satellite Tabletsat	Glavkosmos	Russia	Purpose: Designed for "TabletSat" satellite installation to test on air-bea...	on request
Pneumatic Testing Services	Element Defense	United States	–	on request
Precision Electronic Component Testing for Critical Systems	AAA Engineering & Test Lab	United States	Years of hands-on expertise in MIL-STD and NASA programs: 15+	on request
Primary Linear Displacement Transducer Vt 718	Glavkosmos	Russia	Purpose: Measurement of linear displacements of objects in rocket and space...	on request
PSA-2500C Portable Spectrum Analyzer	AVCOM of Virginia	United States	Frequency Range: 5 MHz–2300 MHz	on request
PSA-4200C	AVCOM of Virginia	United States	Applications: Satellite, TV and Radio Broadcasting, CATV, Wireless, TCSM, a...	on request
QS RF Locator	Quadsat ApS	Denmark	Function: Drone-based RF interference localization	on request
QS RF Measurement System (QS 1-18 DL)	Quadsat ApS	Denmark	Frequency Range: 1–18 GHz	on request
Quadsat Antenna Measurement System	Quadsat ApS	Denmark	Measurement capabilities: Pointing accuracy, tracking and handover, radiati...	on request
Rackmount SUPERNOVA Satellite Simulator (RS3)	Pumpkin, Inc.	United States	Form factor: 2U rackmount unit	\$45 000 – \$60
Radar Seeker Integrated Tester	Beijing Huali Chuangtong Technology Co., Ltd.	China	–	on request
Radar Test System UTP 5065	NOFFZ Technologies	Germany	Test type: Direct near-field radar sensor test	on request
Radian Reusable Reentry Vehicle (R3V)	Radian Aerospace	United States	Flight profiles: High-speed, high-stress (launch through hypersonic transit...	on request
Redwire Sun Sensor Stimulator System	Redwire Corporation	United States	Stimulus type: Infrared LED illumination per sun sensor cell	on request
Research Flights	Zero-G Solutions	United States	Parabolas per research flight: 30 (double standard flight)	on request
RF SCOE	CELESTIA Satellite Test & Simulation	Netherlands	Form factor: 19" rack	on request
RF Suitcase	CELESTIA Satellite Test & Simulation	Netherlands	Form factor: Transportable system	on request
Robotic Arm Integration Printer	Space Foundry	United States	Process: Single-step atmospheric-pressure plasma jet printing, orientation ...	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Robotic Testbed for Satellite Servicing	Lunasa Space	United Kingdom	Arm Payload capacity: Upto 30 kg	on request
ROTARY JIG	EnduroSat	Bulgaria	Diameter: 400 mm	on request
S-Band Test Cap	WiRan	Poland	Frequency range: 2025-2290 MHz	on request
SA-MOD-1-9-B Embedded Spectrum Analyzer Module	AVCOM of Virginia	United States	Frequency Range (Model 2290): 900–2200 MHz	on request
Satellite Qualification & Acceptance Testing Services	Serenum Space	Czech Republic	Mechanical test types: Resonance search, quasistatic, sine, random, shock	on request
Satellite Transport and Shipping Containers	RUAG Space	Switzerland	Container types: Hat-off, tilt-lid, door-type roll-in, large An124-compatib...	on request
SatSim — Satellite Pass Emulator	Quadsat ApS	Denmark	Function: Orbital trajectory emulation via UAV	on request
SBS2-2150E-RSA	AVCOM of Virginia	United States	Input Frequency Range: 950MHz to 2150MHz (extended L-Band)	on request
SCAL CTH2	Climats	France	Touchscreen: Extra-large 15" touchscreen	on request
SCAL CTH3/CTY Thermal Shock Chamber (3 environments)	Climats	France	Temperature Range: -90°C to +180°C (+220°C optional)	on request
SCAL CTK	Climats	France	SCAL 230CTK7.5 Temperature Range: -80/+180°C	on request
SCAL-CTR	Climats	France	Display: Extra-large 15" touchscreen	on request
SCO-M Spacecraft Container Mega	RUAG Space	Switzerland	Product line: Beyond Gravity spacecraft containers (SCO)	on request
Sensor of Rapidly Varying Pressure 612M	Glavkosmos	Russia	Estimated production / delivery time: 6 months	on request
Set of Fixing Devices of Nanosatellite	Glavkosmos	Russia	Purpose: Designed for fixing of the nanosatellite at the desktop of the equ...	on request
Signal Analyzers / Spectrum & Beacon Receivers	EUROSATCOM	France	EV0-CLM (Rev B): L-Band or 400-3000 MHz, compact form factor	on request
Silicon Labs USB Debug Adapter	Pumpkin, Inc.	United States	SKU: 633-00489	\$100
SIMAC-6 Multi-Constellation GNSS Simulator	Accord	India	Channels: 120+	on request
Single Sampler EGSE	Lens R&D	Netherlands	Manufacturer: Lens R&D	€11 887
skyEGSE-comm (S-band)	SkyLabs d.o.o.	Slovenia	Type: CCSDS-compliant SDR ground station equipment	on request
skyEGSE-comm (UHF/VHF)	SkyLabs d.o.o.	Slovenia	Type: CCSDS-compliant SDR ground station equipment	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
skyEGSE-LINK2	SkyLabs d.o.o.	Slovenia	Standard: IPC Class 3+	on request
Small Space Environment Simulation System	Xi'an Institute of Optics and Precision Mechanics (XIOPM)	China	Type: Thermal-vacuum space environment simulation chamber	on request
SNG-2500C	AVCOM of Virginia	United States	Design: Simple and easy to use design at a low price	on request
SOC-100 Hemispherical Directional Reflectometer	Surface Optics Corporation	United States	Spectral Range: 2.0 – 25.0 λ (μ m) / 5000 – 400 cm ⁻¹ Range can be modified b...	on request
SOC-210 Bidirectional Reflectometer	Surface Optics Corporation	United States	Spectral range: 0.35-14 micron	on request
Solar Panel Check Stand	Glavkosmos	Russia	Purpose: Provides weight relief and opening-out testing of small-size Produ...	on request
Solar Weightless System	Glavkosmos	Russia	Purpose: Designed for ground testing (weightlessness) of spacecraft equipme...	on request
Space PFO	XCAM	United Kingdom	Total Detection Area: 4 cm ²	on request
Space Qualified Coaxial Termination	KRYTAR	United States	Model TIM-SQ: DC-20.0 GHz, 1.05 max VSWR, 3.5mm male	on request
Spacecraft Interface Simulator (SIS)	CELESTIA Satellite Test & Simulation	Netherlands	Flight heritage: SOHO, CLUSTER, ROSETTA	on request
Spacecraft Lifting Devices	RUAG Space	Switzerland	Actuation: Electrical or manual	on request
SPECTRAN V6 TABLET	Aaronia AG	Germany	Frequency range (family): 9 kHz up to 18 GHz (model-dependent, up to 140 GH...	on request
SpinLaunch Suborbital Accelerator	SpinLaunch	United States	Vacuum chamber span: 33 meters	on request
Standard Fluxgate Magnetometer	Magson GmbH	Germany	Sensor type: Tri-axial fluxgate, single or dual sensor configuration	on request
Starry Sky Simulator	Glavkosmos	Russia	Purpose: Designed for star trackers testing together with other ADCS compon...	on request
Static Test System	TY-Space Technology	China	Optical Star Pattern Simulator: Static star simulator, North Pole Area/Cust...	on request
Sun Simulator (halogen)	Glavkosmos	Russia	Purpose: Designed for testing of ADCS Sun orientation capability	on request
SXL-AC-01 Anechoic Chamber	SPUTNIX	Russia	Type: Mobile anechoic (EMC) chamber	on request
Synthesis System of IR Images	Glavkosmos	Russia	Purpose: Designed to create dynamic infrared images of arbitrary topology i...	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
TDEMI ULTRA	GAUSS Instruments	Germany	Frequency range: DC to 40 GHz	on request
Technical Condition Monitoring System	Glavkosmos	Russia	Year of release: 2014	on request
Term, SMA-m, 26.5GHz, 1W (Item #2001-61XX-0X-CRYO)	XMA Corporation	United States	Item #: 2001-61XX-0X-CRYO	on request
Test Bench for Mutual Movement of Spacecraft	Glavkosmos	Russia	Dimensions, mm: 5000kh6000kh3000	on request
Test Bench For Nanosatellite Attitude Control System	Glavkosmos	Russia	Purpose: Conducting testing of control algorithms. Training of students and...	on request
Test Bench for RASCube Modules	Robinson Aerospace Systems	Australia	Compatibility: RASCube V1, V2 and LB	on request
Test Bench to Examine Radio-Technical Performance of Antennas	Glavkosmos	Russia	Purpose: High precision transfer and rotation of the target object in the 3...	on request
Test Space	TRL Space	Czech Republic	shaker force: 45 kN (90 kN Shock)	on request
Thermoelectric Converter DT 27	Glavkosmos	Russia	Purpose: Temperature measurement of aggressive (liquid oxygen) and non-aggr...	on request
TILT	TRL Space	Czech Republic	Integrate CubeSats of sizes from: 6-16 U	on request
TM/TC Front-End	CELESTIA Satellite Test & Simulation	Netherlands	Form factor: 19" 3U hardware platform	on request
TM/TC IPU (Telemetry & Telecommand Interface Unit)	SSBV Aerospace & Technology	Netherlands	–	on request
Total Phase Beagle I2C/SPI Protocol Analyzer	Pumpkin, Inc.	United States	SKU: 634-00522	\$495
Tpod L CubeSat Test Fixture	LAUNCH42	Netherlands	Size: TPOD-L	€15 800
Tpod M CubeSat Test Fixture	LAUNCH42	Netherlands	Size: TPOD-M	€11 500
Transformable Reflectors Weightless System	Glavkosmos	Russia	Year of release: 2016	on request
TTC Modem for AIT (TTC-IMBU)	CELESTIA Satellite Test & Simulation	Netherlands	IF inputs/outputs: 2 (typically 70MHz)	on request
UAV Satcom Test Tools	Gatehouse Satcom	Denmark	–	on request
Ultra-High-Speed Streak Camera	Xi'an Institute of Optics and Precision Mechanics (XIOPM)	China	Technology: Photoelectric streak tube with CCD/CMOS readout	on request
UNISEC Europe Bus Starter Kit	S4 - Smart Small Satellite Systems GmbH	Germany	Satellite bus connector: Compact/robust backplane, redundant power + high/l...	on request
Universal Wireless Tester (UWT)	NOFFZ Technologies	Germany	Standards supported: 5G NR, LTE, WCDMA, GSM, V2X, 802.11 a/b/g/n/ac/ax/p, B...	on request
USB Debug Adapter	Pumpkin, Inc.	United States	Connector: 4-pin FPC serial terminal/debug connector	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
VacCam	XCAM	United Kingdom	Dimensions: 50 x 50 x 60 mm (excl. lens and USB connector)	on request
VACCO ΔTEL Differential Pressure Indicator	VACCO Industries	United States	Material: Aluminum (std), Corrosion Resistant Steel (optional)	on request
VFF-AMF InnoWave 4 (Vertical Far Field Antenna Measurement Facility)	Sisir Radar	India	Angular Precision: 0.45 deg	on request
Volume over 3m³ Rigid Structure Type G	Climats	France	Volumes: from 3 m³ to 100 m³	on request
Weight-measuring Platform Devices	Glavkosmos	Russia	Purpose: Weighing of transport fuelling containers in the static weighing m...	on request
WINCAL	Climats	France	Chamber type: Walk-in chamber, rigid structure	on request
WizardLink Front-End	CELESTIA Satellite Test & Simulation	Netherlands	Channels: Up to 4 WizardLink channels in parallel	on request
XO-VAC	Exobotics	United Kingdom	Price: From £48,000 (base model)	from £48 000
Zero Bias Schottky Detectors 203A	KRYTAR	United States	Minimum Frequency: 10 MHz	on request

Products by manufacturer

R&D company providing miniaturized radiation dosimeters and EMC filters for space and ground applications. TRL-9 flight heritage.



27G TECHNOLOGY

27G RadNano-EB Evaluation Board

A complete evaluation setup containing a RadNano-EM model with additional circuitry and connectors, also serving as an add-on board for development projects.

UART Protocol	9600 8-N-1
I2C Protocol	Standard

price on request

AAA Engineering & Test Lab

AAA Engineering & Test Lab provides precision electronic component testing, upscreening, failure analysis, and counterfeit mitigation services for aerospace, space, defense, medical, and industrial ap

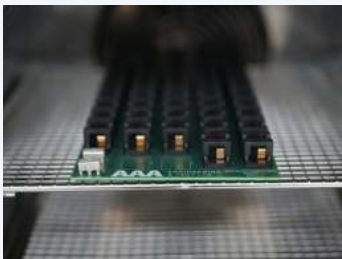


AAA ENGINEERING & TEST LAB

AAA Engineering & Test Lab

AAA Engineering & Test Lab delivers rigorous semiconductor and electronic component testing to MIL-STD-202, MIL-STD-461, MIL-STD-750, MIL-STD-883, MIL-STD-1580, and NASA specif

Testing standards	MIL-STD-202, MIL-STD-461, MIL-STD-750, MIL-STD-883, MIL-STD-1580, NASA specifications
Key standards & certifications - Military & NASA	MIL-STD-202, MIL-STD-461, MIL-DT-750, MIL-STD-883, MIL-STD-1580; NASA MIL-PRF for environm
Key standards & certifications - Quality Systems	ISO 9001, AS9100, ISO/IEC 17025, AS6081/AS6171, ANSI ESD S20.20
Key standards & certifications - Regulatory	ITAR Registered, EAR Compliant, DFARS/FAR Adherent
Experience	15+ Years of hands-on expertise in MIL-STD and NASA programs



AAA ENGINEERING & TEST LAB

Precision Electronic Component Testing for Critical Systems

AAA Engineering & Test Lab offers comprehensive electronic component testing services, including electrical, environmental, mechanical, and chemical testing, to ensure reliabil

Years of hands-on expertise in MIL-STD and NASA programs	15+
Accreditation for electrical, environmental and mechanical testing scopes	ISO 9001/AS9100
Accreditation for counterfeit mitigation testing and authentication	ISO/IEC 17025 AS6081/AS6171
Key Standards & Certifications - Military & NASA	MIL-STD-202, MIL-STD-461, MIL-DT-750, MIL-STD-883, MIL-STD-1580; NASA MIL-PRF for environm
Key Standards & Certifications - Quality Systems	ISO 9001, AS9100, ISO/IEC 17025, AS6081/AS6171, ANSI ESD S20.20

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

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

Aaronia AG

GERMANY · 2003 · 1 PRODUCT

Aaronia AG develops and manufactures spectrum analyzers, spectrum analysis software, and drone detection and defense systems, all produced in Germany.



AARONIA AG

SPECTRAN V6 TABLET

A rugged, handheld real-time spectrum analyzer in a tablet form factor, offered in configurations up to 18 GHz for detecting and geolocating RF interference during live satellite g

Frequency range (family)	9 kHz up to 18 GHz (model-dependent, up to 140 GHz across full V6 line)
Real-Time Bandwidth	44 MHz (up to 490 MHz on other V6 tablet variants)
Sweep speed	max. 3 THz/s; well over 1.5 THz/s at 18 GHz span
Sensitivity (DANL)	-170 dBm/Hz
Internal storage	max. 16 TB

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

Accord

INDIA · 1991 · 1 PRODUCT

Accord Software & Systems designs and manufactures customized GPS/GNSS receivers for space applications and GPS/GNSS semiconductor chips for defense and commercial markets.



ACCORD

SIMAC-6 Multi-Constellation GNSS Simulator

120+ channel dual-frequency GNSS simulator supporting GPS, GLONASS, Galileo, BeiDou, NavIC, SBAS, and DGNSS with high-dynamics simulation for receiver testing.

Channels	120+
Constellations	GPS, GLONASS, Galileo, BeiDou, NavIC, SBAS, DGNSS

Frequencies	Dual-frequency including NavIC L5 and S-band
Hardware update rate	Up to 10 ms
Output formats	RINEX, NMEA
price on request	

Adcole Space (Redwire)

UNITED STATES · 1957 · 1 PRODUCT

Redwire is an integrated aerospace and defense company providing advanced technologies for space infrastructure, autonomous systems, and multi-domain operations to government agencies and defense cont



ADCOLE SPACE (REDWIRE)

MADS 3D Dynamic Simulator

The dynamic simulator provides a HITL (Hardware In The Loop) test set for the MAI-400 which verifies and validates all software and hardware functions in a bench top setting. In...

Manufacturer

MAI

Lead time

90 days

€8 661

Alba Orbital

UNITED KINGDOM · 2012 · 2 PRODUCTS

Alba Orbital manufactures PocketQube satellites, provides launch and ground station services, and operates a fleet of nighttime imaging satellites for government and commercial clients.



ALBA ORBITAL

1p/2p/3p Horizontal Integration Support Jig

A horizontal integration jig that supports the assembly of 1p, 2p, or 3p PocketQube stacks into the primary structure, with a raised design suitable for testing deployables like an

Length

272 mm

Width

125 mm

Height (without Spacecraft)

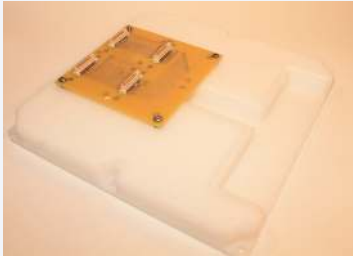
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Clearance below Spacecraft

10 mm

Material

Acetal



ALBA ORBITAL

Labsat – Test and Development Setup

The Labsat is a test and development setup designed for PocketQube boards, allowing users to safely test and characterize single boards or full stacks without direct interaction.

price on request

datasheet

price on request

AVCOM of Virginia

UNITED STATES · 7 PRODUCTS

AVCOM of Virginia is a satellite communications equipment manufacturer founded in 1976, specializing in spectrum analyzers, satellite beacon receivers, and RF signal monitoring products.



AVCOM OF VIRGINIA

DRSA-2500B / TRSA-2500B Dual/Triple Spectrum Analyzer

Dual or triple embedded spectrum analyzers in 1U rack, for simultaneous multi-carrier satellite signal monitoring.

Frequency Range	5 MHz – 2,300 MHz
Span Width	Up to 1300 MHz
Resolution Bandwidth	10 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity	>-85 dBm typical
Dynamic Range	50 dBm GUI window

price on request

[datasheet](#)



AVCOM OF VIRGINIA

EVO-CLM (Rev B) Compact Spectrum Analyzer

Compact spectrum analyzer built on DSP/FPGA platform, supports Ethernet/USB, 900–3000 MHz or 400–3000 MHz.

Frequency Range (Model 2290)	900–2200 MHz
Frequency Range (Model 3040)	400–3000 MHz
Max Span Width	1300 MHz
Resolution Bandwidth	1 kHz, 3 kHz, 10 kHz, 30 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity (-40 REF LVL)	-100 dBm

price on request

[datasheet](#)



AVCOM OF VIRGINIA

PSA-2500C Portable Spectrum Analyzer

Portable spectrum analyzer covering 5 MHz–2300 MHz with Li-Ion battery, for satellite installation and testing.

Frequency Range	5 MHz–2300 MHz
Span Width	Up to 1300 MHz
Resolution Bandwidth	10 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity	>-85 dBm typical
Amplitude Range	0 dBm to -85 dBm (standard); 0 to -105 dBm (preamp)

price on request

[datasheet](#)



AVCOM OF VIRGINIA

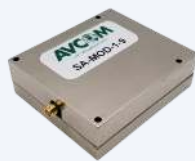
PSA-4200C

A portable C-band spectrum analyzer for satellite, TV/radio broadcasting, CATV, wireless, TCSM, and GPS signal monitoring, with LNA/LNB power output and remote control software.

Applications	Satellite, TV and Radio Broadcasting, CATV, Wireless, TCSM, and GPS
L.O. Frequency Offsets	Displays Direct Frequency Readout
Presets/Memory	10 Customizable Presets/50 User Memory Locations
Refresh Rate	Up to 13/sec
LNA/LNB Power	13/18Vdc/22kHz

price on request

[datasheet](#)



AVCOM OF VIRGINIA

SA-MOD-1-9-B Embedded Spectrum Analyzer Module

Ultra-compact embedded spectrum analyzer module, 3"×3.5"×1", 8-33 VDC, -40 to +70°C, 40,000 ft altitude.

Frequency Range (Model 2290)	900–2200 MHz
Frequency Range (Model 3040)	400–3000 MHz
Frequency Range (Model 6070)	70–6000 MHz
RF Sensitivity (-40 REF LVL)	-100 dBm
Spur Free Dynamic Range (3 kHz RBW)	60 dB

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



AVCOM OF VIRGINIA

SBS2-2150E-RSA

The SBS2-2150E-RSA is a remote L-Band spectrum analyzer module designed for OEM integration, providing remote signal monitoring and control for satcom applications via Ethernet or

Input Frequency Range	950MHz to 2150MHz (extended L-Band)
Reference Signal Monitoring	10MHz reference signal viewing capability
Input Voltage	+15 to +24VDC
Power Consumption	7W
Communication Interfaces	Ethernet or USB (commercial connectors or header connectors)

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



AVCOM OF VIRGINIA

SNG-2500C

Rack-mount spectrum analyzer for monitoring and measuring satellite communications and broadcast carriers, including uplink, downlink, L-band, IF, and TT&C signals.

Design	Simple and easy to use design at a low price
Presets	10 customizable presets
Display	VGA color display
Mounting	Fits into Tektronix 1700 series dual mount tub
Refresh Rate	Up to 13/sec

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

Huali Chuangtong (华力创通, Hwacreate) is a Chinese satellite navigation and IoT technology company listed on the Shenzhen Stock Exchange, headquartered in Beijing, developing GNSS (GPS/BeiDou) navigation modules, IoT terminals, and satellite c



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
Radar Seeker Integrated Tester

The radar seeker integrated tester generates passive radar test signals and active radar echo signals, and captures and analyzes active radar transmit signals. It comprehensively t

price on request

Celestia Satellite Test & Simulation provides ground-based solutions for satellite simulation, testing, communication, and data processing, including EGSE, TT&C, and Optical Modems.



CELESTIA SATELLITE TEST & SIMULATION
Instrument SCOE

Turn-key system providing electrical and protocol interfaces to satellite instruments during development and AIT — power, control/monitor, and science interfaces.

Form factor	Integrated 19" rack or tabletop enclosure
Isolation	Galvanic isolation, FMEA compliant

price on request



CELESTIA SATELLITE TEST & SIMULATION
LVDS Front-End

LVDS Data/Clock interface unit for satellite flight equipment across all AIT levels — up to 4 parallel channels, up to 2Gbps at 16-bit.

Channels	Up to 4 parallel inputs/outputs (8-bit)
Data rate	Up to 1Gbps per channel (8-bit), teaming to 16-bit at 2Gbps
Clocking	>125MHz
Compliance	TIA/EIA-644-A
Data streaming	10Gbit LAN

price on request



CELESTIA SATELLITE TEST & SIMULATION

MIL-1553 Front-End

EGSE unit controlling, monitoring, and simulating flight equipment on the satellite onboard data handling bus — MIL-STD-1553B BC/RT/BM functions, ECSS compliant.

Form factor	19" 2U hardware platform
Functions	MIL-STD-1553B Bus Controller/RT/Bus Monitor
Minor frame interval	Configurable (e.g. 125/50/12.5ms)
Compliance	ECSS-E-ST-50-13C

price on request



CELESTIA SATELLITE TEST & SIMULATION

Multi-Purpose Interface Platform (MPIP)

Modular, scalable EGSE testing spacecraft electrical/data interfaces — supports up to 16 modules, >400 channels, ESA/ECSS compliant.

Chassis	3U 19" rack mountable or tabletop (4U/2U variants available)
Interface modules	Up to 16
Channels	>400 fully equipped
Data interfaces	Discrete/TM/TC/Power/Digital Data (up to 800Mbps)
Ethernet ports	2x Gigabit

price on request



CELESTIA SATELLITE TEST & SIMULATION

RF SCOE

Radio Frequency Special Check-Out Equipment validating satellite RF subsystems — flight heritage on ESA missions including Sentinel-2, EarthCare, SeoSat.

Form factor	19" rack
Flight heritage	Sentinel-2, EarthCare, SeoSat, Apogee AS250, VHR

price on request



CELESTIA SATELLITE TEST & SIMULATION

RF Suitcase

Transportable system for ground station and satellite RF compatibility testing — built using Engineering Models of transponder, TWTAs, diplexer, and filters.

Form factor	Transportable system
Components	Engineering Models of transponder, TWTAs, diplexer, filters

price on request



CELESTIA SATELLITE TEST & SIMULATION
Spacecraft Interface Simulator (SIS)

Testing equipment allowing an instrument or spacecraft unit to be developed and tested prior to overall spacecraft integration — flight heritage on SOHO, CLUSTER, ROSETTA.

Flight heritage	SOHO, CLUSTER, ROSETTA
price on request	



CELESTIA SATELLITE TEST & SIMULATION
TM/TC Front-End

Telemetry and telecommand unit for direct spacecraft control during AIT and launch phases — 60x RS422/LVDS pairs, galvanically isolated.

Form factor	19" 3U hardware platform
Baseband interfaces	60x RS422/LVDS pairs
Isolation	Galvanically isolated, FMEA compliant
price on request	



CELESTIA SATELLITE TEST & SIMULATION
TTC Modem for AIT (TTC-IMBU)

Integrated modem and baseband unit for direct spacecraft control/monitoring in EGSE environments — FPGA-based real-time modulation/demodulation, Doppler/ranging processing.

IF inputs/outputs	2 (typically 70MHz)
Data rates	7.8125bps-10Mbps
Suppressed carrier modes	BPSK/QPSK/OQPSK/GMSK
Remnant carrier modes	SPL/PM, BPSK/PM
Ranging standards	ESA Standard/Tone/PN Ranging (T2B, T4B)
price on request	



CELESTIA SATELLITE TEST & SIMULATION
WizardLink Front-End

High-speed serial interface unit for spacecraft flight equipment validation — up to 4 parallel channels at 2Gbps each, 10Gbit LAN data streaming.

Channels	Up to 4 WizardLink channels in parallel
Data rate	Up to 2Gbps per channel
Chipset	TI TLK2711-SP/TLK2711A
Clock	Programmable 80-125MHz
Data streaming	10Gbit LAN (SFP+)
price on request	

Climats

FRANCE · 21 PRODUCTS

Climats is a French manufacturer of high-precision environmental and climatic test chambers, including customized thermal-vacuum chambers for space qualification testing.



CLIMATS



CLIMATS

Climats EXCAL3 1000 Environmental Test Chamber

A universal environmental test chamber with 1000 liters internal volume, offering temperature ranges down to -85°C and various cooling/heating rates.

Internal dimensions (W x D x H)	1000mm x 1000mm x 1000mm
External dimensions (W x D x H)	1285mm x 2325mm x 2165mm
Internal volume	1000 LITERS
Minimum temperature	-50°C (EXCAL 10052-T/H, EXCAL 10053-T/H), -70°C (EXCAL 10023-T/H), -75°C (EXCAL 10024-T/H,
Rate of cooling (IEC 60068-3-5)	4 K/min (EXCAL 10052-T/H), 13.5 K/min (EXCAL 10053-T/H), 2 K/min (EXCAL 10023-T/H), 4.5 K/min

price on request



CLIMATS

Climats EXCAL3 220 Environmental Test Chamber

A compact environmental test chamber with 227 liters internal volume, offering temperature ranges down to -80°C and various cooling/heating rates.

Internal dimensions (W x D x H)	540mm x 600mm x 700mm
External dimensions (W x D x H)	783mm x 1912mm x 1842mm
Internal volume	227 LITERS
Minimum temperature	-50°C (EXCAL 2251-T/H, EXCAL 2252-T/H), -70°C (EXCAL 2221-T/H), -80°C (EXCAL 2223-T/H, EXC
Rate of cooling (IEC 60068-3-5)	4.2 K/min (EXCAL 2251-T/H), 10 K/min (EXCAL 2252-T/H), 5 K/min (EXCAL 2221-T/H), 10 K/min

price on request

Climats EXCAL3 140 Environmental Test Chamber

A compact environmental test chamber with 151 liters internal volume, offering temperature ranges down to -80°C and various cooling/heating rates.

Internal dimensions (W x D x H)	540mm x 400mm x 700mm
External dimensions (W x D x H)	783mm x 1634mm x 1842mm
Internal volume	151 LITERS
Minimum temperature	-50°C (EXCAL 1451-T/H, EXCAL 1452-T/H), -70°C (EXCAL 1421-T/H), -80°C (EXCAL 1423-T/H*)
Rate of cooling (IEC 60068-3-5)	7 K/min (EXCAL 1451-T/H), 11 K/min (EXCAL 1452-T/H), 5 K/min (EXCAL 1421-T/H), 12 K/min (E

price on request



CLIMATS

Climats EXCAL3 770 Environmental Test Chamber

A high-performance environmental test chamber with 769 liters internal volume, offering temperature ranges down to -90°C and various cooling/heating rates.

Internal dimensions (W x D x H)	900mm x 950mm x 900mm
External dimensions (W x D x H)	1181mm x 2279mm x 2064mm
Internal volume	769 LITERS
Minimum temperature	-50°C (EXCAL 7752-T/H, EXCAL 7753-T/H), -70°C (EXCAL 7723-T/H), -75°C (EXCAL 7724-T/H), -8
Rate of cooling (IEC 60068-3-5)	5 K/min (EXCAL 7752-T/H), 15 K/min (EXCAL 7753-T/H), 4 K/min (EXCAL 7723-T/H), 7 K/min (EX

price on request



CLIMATS

Environmental Stress Screening Chamber Type E1 (<3m³)

ESS thermal chamber, -80°C to +200°C, up to 20°C/min ramp for on-board electronics reliability testing.

Temperature Range	-80°C to +200°C (+250°C on request)
Volume	Less than 3m³ (E1 Type)
Absorbed Dissipative Power	Over 30kW
Ventilation	Greater than 2m/s
Noise Level	<70 dBA (Energy Saving mode)

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



CLIMATS

Environmental Test Chamber for Battery Testing

Thermal test chamber for battery safety testing, -90°C to +220°C, with fire/explosion/outgassing protection.

Temperature Range	-90°C to +220°C
Volume	Few m³ to several m³
Display	15" touchscreen
Energy Savings	≥40% (Energy Saving mode)
Safety Features	Nitrogen inerting, O2 analyzer, explosive gas detector, pressure relief, smoke/gas/flame d

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



CLIMATS

Environmental Test Chamber for Photovoltaic (PV) Panel Testing

Environmental test chamber built to standard test protocols for photovoltaic module durability and power qualification.

Application	Photovoltaic (PV) module environmental and power qualification testing
Handling system	Adaptive cart system for module loading/storage
Power supply integration	Continuity and power-output testing via Spirale Vision control
Control system	Spirale Vision, 15-inch touchscreen

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



CLIMATS

Excal GT-FC Air Generator

Localized thermal conditioning air generator, -70°C to +200°C, up to 32 Nm³/h, for electronic component testing.

Temperature Range	-70°C to +200°C
Air Flow	up to 32 Nm³/h
Temperature Stability	±0.1°C
Average Temperature Variation	>120°C/min
Flexible Hose Length	2200 mm (±100)

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



CLIMATS EXCAL³

EXCAL³ is a modular climatic test chamber range covering temperatures from -90°C to +180°C with rapid ramp rates up to 25°C/min, used for environmental qualification testing from I

Available volumes	150 L / 225 L / 400 L / 540 L / 770 L / 1,000 L / 1,400 L / 1,900 L
Minimum accessible temperature	Up to -50°C with fluid R-744 (CO ₂); Up to -65°C / -90°C with fluids R-449A / R-469
Maximum accessible temperature	+180°C (+250°C optional)
Temperature variation speed	Between 2°C/min and 25°C/min
Relative humidity range	5 to 98%RH at +10°C to +95°C

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



CLIMATS Extreme 320

Extreme 320 is a climatic test chamber from Climats equipped with the Spirale touchscreen control system, offering multiple user levels and specialized cycle modes for extreme-temp

Temperature Range	+180°C to -90°C (+200°C to -100°C optional)
Temperature Homogeneity	±0.5°C to ±1.5°C; ±0.3°C stability
Chamber Volume	320 dm ³
Useful Dimensions (WxDxH)	750 × 500 × 850 mm
Footprint	Less than 2.5 m ²

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



CLIMATS High-Temperature Thermal Chamber ESS +265°C

Extreme high-temp ESS chamber, -80°C to +265°C, for electronic board qualification in extreme environments.

Temperature Range	-80°C to +265°C
Speed Variation	10°C/min linear from +200°C to -40°C, with 10 kg of PCBs

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



CLIMATS Hydrocarbon Safety Chamber (MIL-DO-160)

Secure hot-cold chamber for kerosene-filled aviation fuel tank testing, -70°C to +180°C, per MIL-DO-160.

Temperature Range	-70°C to +180°C
Speed Variation	10°C/min average from +70°C to -55°C (30kg load, 1kW dissipation)
Standard	MIL-DO 160 military and civil aeronautical standard
Useful Dimensions (WxDxH)	1000 × 1000 × 1000 mm

[price on request](#)



CLIMATS LABCAL

LABCAL is a benchtop temperature and humidity test chamber for rapid climatic cycling to detect defects or determine product shelf life.

Available Volumes	20 L, 30 L, 60 L, 100 L
Temperature Range	-70°C to +180°C
Relative Humidity Range	10 to 95% RH (for temperatures +10 to +95°C)
Temperature Homogeneity	±0.5 to ±2°C at +180°C

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



CLIMATS Modular Chamber (CM) Volume over 3m³

The Modular Chamber (CM) is a custom-built environmental test chamber with volumes ranging from 8 to 100 m³, capable of temperatures from -70°C to +80°C. It features a modular pane

Volumes	from 8 to 100 m³
Temperatures	from -70°C to +80°C
Working temperatures (max)	+80°C

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



CLIMATS Modular Chamber for Burn-In (RELY STATION)

Modular burn-in/ESS chamber for electronic control racks, 0°C to +70°C, combines burn-in with environmental testing.

Temperature Range	0°C to +70°C
Speed Variation	3°C/min average (300 kg cabinets, 6 kW dissipation)
Useful Dimensions (WxDxH)	3000 × 7000 × 2750 mm

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

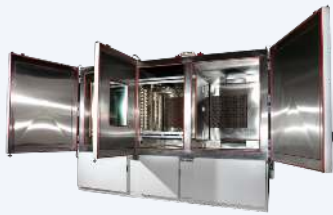


CLIMATS SCAL CTH2

SCAL CTH2 is a climatic test chamber equipped with the Spirale touchscreen control system for programmable temperature/humidity cycling and shock/VRT reproducibility testing.

Touchscreen	Extra-large 15" touchscreen
Levels of use	Production, Standard, Laboratory
Tracking alarm	Shock or VRT mode to ensure reproducibility of tests
Pre-treatment/post-treatment	Programmable on Spirale Vision, to temperature condition or dry samples at the beginning a
Automatic defrost	Spirale Vision optimizes the cycle so defrosting is carried out correctly without disturbi

[price on request](#)



CLIMATS

SCAL CTH3/CTY Thermal Shock Chamber (3 environments)

3-zone thermal shock chamber (hot/cold/ambient transition), 70-1500L, -90°C to +180°C, MIL-STD compliant.

Temperature Range	-90°C to +180°C (+220°C optional)
Test Volume (CTH3 Horizontal)	70-1500 liters
Test Volume (CTY Vertical)	up to 120 liters
SCAL 1000CTH3-22 Carrier Volume	1000 L
Standards Compliance	DIN-IEC-60068-2-14, JESD22-A104D, MIL-STD-202G/750E/810G/883H

price on request



CLIMATS

SCAL CTK

A thermal shock/climatic test chamber (SCAL CTK) equipped with the Spirale control system, offering multi-level operation and advanced test cycle management for reproducible enviro

SCAL 230CTK7.5 Temperature Range	-80/+180°C
SCAL 300CTK7.5 Temperature Range	-85/+180°C
SCAL 500CTK15 Temperature Range	-90/+180°C
Hot Cabinet Range (all models)	+60/+180°C
Standards Compliance	DIN, IEC 60068-2-14, JESD22-A104D, MIL-STD-202G, MIL-STD-750E, MIL-STD-810G, MIL-STD-883H

price on request



CLIMATS

SCAL-CTR

SCAL-CTR is a vertical thermal shock test chamber controlled via the Spirale touchscreen interface, used to subject samples to rapid temperature cycling for qualification and relia

Display	Extra-large 15" touchscreen
Usage levels	Production, Standard, Laboratory
Tracking alarm	CHoc or VRT mode, for reproducibility of tests
Pre-treatment/post-treatment	Programmable on Spirale Vision, to temperature condition or dry samples at start/end of cy
Automatic defrost function	Spirale Vision optimizes the cycle so defrosting does not disturb sample temperature

price on request



CLIMATS

Volume over 3m³ Rigid Structure Type G

The CLIMATS Type G environmental test chamber offers large test volumes (3 m³ to 100 m³) and a wide temperature range (-70°C to +150°C) for testing large samples.

Volumes	from 3 m3 to 100 m³
Temperature	from -70°C to +150°C
CLIMATS metallic structure enabling to function	up to +150°C (max)

price on request

[datasheet](#)



CLIMATS

WINCAL

WINCAL is a rigid-structure walk-in environmental test chamber offering large standard test volumes with wide temperature and humidity ranges for testing voluminous items.

Chamber type	Walk-in chamber, rigid structure
Standard test volumes	2 m3, 4 m3, 8 m3, 12 m3, 16 m3 and up to 70 m3
Temperature range	-70°C to +150°C
Extended temperature range (optional)	-80°C to +200°C
Relative humidity	+10% to +98%

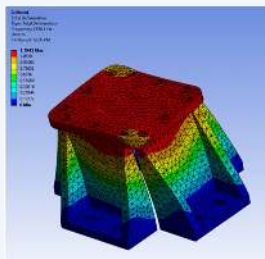
price on request

[datasheet](#)

CubeSat Aerospace

INDIA · 1 PRODUCT

Indian CubeSat developer offering flight-ready 1U–6U satellite structures, subsystem components, environmental testing services, launch integration, and STEM education programs from Ahmedabad.



CUBESAT AEROSPACE

1U CubeSat Vibration Shaker Test Jig

The 1U CubeSat Vibration Shaker Test Jig is a precision mounting fixture designed for securing 1U CubeSats during sine, random, and shock vibration tests to qualify them for launch

Supported CubeSat Size	1U (100 mm × 100 mm × 113.5 mm)
Material	CNC-machined Aluminum and Steel (vibration-resistant)
Mounting System	Clamping or bolted rail interface with anti-slip surface
Mounting System	Multiple base slots for vibration table compatibility
Interface Type	Compatible with slip table and vertical shaker configurations

price on request

Vertically integrated Indian defence and aerospace electronics company designing and manufacturing avionics, microelectronics, RF/microwave, radar, test equipment and space systems.



ATS Power Module Checkout

DATA PATTERNS (INDIA) LTD.

ATE for Space Systems

Automated Test Equipment product line built for validating spacecraft, launch vehicle and missile subsystems.

price on request



DATA PATTERNS (INDIA) LTD.

Automated Test Equipment (ATE) for Aerospace and Space Applications

Data Patterns develops Automated Test Equipment (ATE) for critical aerospace and space requirements, including test benches for launch vehicles, power module checkout for space pro

Initial Product	DP-800 Multi Programmer (1994)
Test System Architectures	cPCI, VME, VXI
BMU Test System I/O	> 3000 I/O's
Second Launch Pad Count Down System I/O	Upto 14000 I/O
Strain Data Acquisition System ADC	24 bit Sigma Delta ADC

price on request datasheet



Second Launch Pad Count Down Checkout System

DATA PATTERNS (INDIA) LTD.

Launch Pad Count Down Test System (SDSC-SHAR)

VXI-based redundant launch pad countdown automation system handling up to 14,000 I/O points, in operation since 2001.

price on request

Advanced testing and engineering services provider for U.S. space, defense, and government programs.



ELEMENT DEFENSE

Dynamics Testing Services

Element U.S. Space & Defense offers a comprehensive suite of dynamics testing services, including acceleration, acoustic noise, bird impact, vibration, corrosion, thermal shock

Acceleration Test Centrifuge Diameter	1ft (0.3m) to 62 ft (16m)
Acceleration Test Weight Capacity	a few grams to 7,000 lbs (3,175kg)
Acoustic Noise Test Reverb Chamber Volume	5,000 cubic foot
Acoustic Noise Test Clean Room Size	1,400 square foot High Bay Class 100k
Bird Impact Test Bird Weight Range	2.2 to 8-pound

price on request

ELEMENT DEFENSE

EMI/EMC Testing Services

Element Defense provides comprehensive EMI/EMC testing and engineering services, including radiated susceptibility, magnetic susceptibility, HIRF, lightning effects, and electrosta

Radiated Susceptibility	up to 200V/m, 10kHz to 40GHz
Magnetic Susceptibility	dc to 100 kHz
HIRF Testing	400 MHz to 18 GHz
Indirect Lightning	to 10 kV/10 kA
Lightning Waveforms	per SAE ARP 5416, D0-160, Airbus and Boeing specifications

price on request



ELEMENT DEFENSE

Environmental Simulation Testing

Environmental simulation testing by Element U.S. Space & Defense focuses on preparing products for their anticipated operational environments by subjecting them to simulated co

price on request



ELEMENT DEFENSE

Hydraulics Testing Services

Element U.S. Space & Defense offers comprehensive hydraulics testing services for fluid power systems and components, ensuring reliability and longevity under simulated field c

price on request



ELEMENT DEFENSE

Mechanical Shock Testing

Element U.S. Space & Defense offers mechanical shock testing services, including thermal shock and vibration testing, to assess device response to extreme acceleration, deceleration

price on request

ELEMENT DEFENSE

Munitions Testing

Element U.S. Space & Defense's Camden, Arkansas facility is an ITAR-registered, highly responsive advanced ordnance test and evaluation facility. It supports munitions testing

price on request



ELEMENT DEFENSE

Pneumatic Testing Services

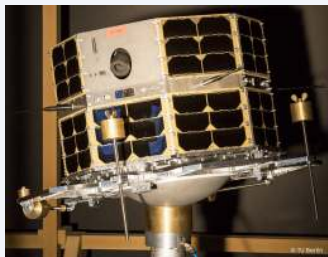
Element U.S. Space & Defense offers robust pneumatic testing services at its Santa Clarita, CA facility, designed for air flow, pressure, and temperature management subsystems

price on request

ElmSpace

GERMANY · 3 PRODUCTS

Developer of fluid-dynamic attitude control systems, gyroscopes, and air bearings for the space industry.



ELMSPACE

Customized Air Bearing System

Custom-designed air bearing platforms for satellite ADCS hardware ground testing and validation.

Type	Customized air bearing for ADCS ground testing
Simulation	Frictionless torque-free environment for 3-axis testing
Flight heritage	Used in TU Berlin Technosat ADCS testing campaign
Customization	Platform size, load capacity, interface – per customer



ELMSPACE

Customized Air Bearing Test System

Customized air bearing platforms for ground-based attitude control system testing and ADCS validation in frictionless conditions.

Type	Air-bearing frictionless ADCS test platform
Application	Ground testing of spacecraft attitude control systems
Configuration	Customizable to mission requirements
Heritage	Used by TU Berlin for TechnoSat ADCS testing

requirements

price on request [datasheet](#)



ELMSPACE

Customized Air Bearings

Customized air bearing systems for satellite ADCS testing — used in ground-test rigs such as TU Berlin's TechnoSat air bearing table.

Application **Ground-based ADCS testing (frictionless air bearing tables)**

Example deployment **TechnoSat air bearing, TU Berlin**

price on request

Manufacturer

ElmSpace (Germany)

price on request

Emtech Space

GREECE · 2 PRODUCTS

Greek space engineering company delivering advanced modeling, simulation, independent software verification, magnetic cleanliness testing, and IOD/IOV mission support. Holder of a €4M ESA Hellenic Space Dawn Mission contract.



EMTECH SPACE

Emtech Space Snapshot Multi-Magnetometer Facility (Snapshot-MMF)

Fixed 12-sensor fluxgate array for rapid, high-accuracy spacecraft magnetic signature characterization — full measurement in ~1 minute. Installed at ESA ESTEC since 2017.

Sensor array **12 Bartington Mag-13MS fluxgate magnetometers**

Panel diameter **~2.3 m (circular)**

Acquisition channels **36**

ADC resolution **18 bit**

Measurement time **~1 minute (full signature)**

price on request



EMTECH SPACE

Emtech Space Suitcase Multi-Magnetometer Facility (Suitcase-MMF)

Portable carry-on magnetic cleanliness testing system — DC to 50 kHz, wireless Bluetooth, smartphone Aruco positioning, automated Multi-Dipole Modeling for field deployment.

Frequency range **DC to 50,000 Hz**

Portability **Fits in carry-on suitcase**

Connectivity **Wireless Bluetooth**

Positioning method **Smartphone camera with Aruco tag image recognition**

Supported sensors **Sensys and Bartington fluxgates, MEDA search coils**

price on request

Software-flexible CubeSat platforms (1U–16U+), shared-satellite hosted-payload service.



ENDUROSAT
Assembly JIG

The Assembly JIG is a simple and versatile mechanical support equipment designed to make satellite assembly easy for 1U to 3U CubeSats.

Dimensions	351.5x150x40 mm
Material	Aluminum 6061 and Polyacetal POM (black)
Springs	3 configurations offering an assembly base for 1U to 3U CubeSats
Mass	3500 g

price on request



ENDUROSAT
CUBESAT DESKSAT

The CubeSat DeskSat is a configurable flatsat designed for CubeSat payload integration and development, offering advanced avionics and data processing capabilities.

Dimensions	449x386x135 mm
Material	Aluminum, Stainless Steel
Power	Integrated power supply and external 100W Power Brick
Power Input/Output	3.3V, 5V, 12V
Mass	11.3 kg

price on request



ENDUROSAT
CUBESAT TEST POD

A secure test pod designed for environmental testing of CubeSats ranging from 6U to 16U, facilitating easy and reliable testing procedures.

Dimensions	144.3 x 269 x 431.7 mm
Material	Aluminum 6082
Springs	optional separation springs
Mass	9.5 kg

price on request



ENDUROSAT
ROTARY JIG

The Rotary JIG is a simple and versatile mechanical support equipment designed to make satellite assembly easy for CubeSats ranging from 3U to 16U.

Diameter	400 mm
Material	EN AW-6082-DIN 3.2315 and POM-ELS
Springs	3 configurations offering an assembly base for 3U to 16U CubeSats
Mass	8.5 kg

price on request

ETS-Lindgren designs and manufactures electromagnetic and acoustic energy components and systems, including RF shielded chambers and EMC test chambers, for industrial and commercial markets.



ETS - LINDGREN
5402 GTEM Test Cell

Compact GTEM cell for radiated emissions and immunity testing — 10,000-point emissions scan in 15 minutes or less, IEC 61000-4-20 and ANSI C63.4 compliant.

Compliance standards	IEC 61000-4-20, ANSI C63.4
Typical radiated emissions scan time	15 minutes or less (10,000-point scan)
Industries	Aerospace & Defense, Automotive, Commercial

price on request



ETS - LINDGREN
5405 GTEM Test Cell

GTEM test cell supporting optional high-voltage pulse testing (e.g., MIL-STD RS-105) — fast radiated emissions/immunity testing for aerospace and defense.

Compliance standards	IEC 61000-4-20, ANSI C63.4
Optional feature	High Voltage (HV) feed for pulse testing (MIL-STD RS-105)
Industries	Aerospace & Defense, Automotive, Commercial

price on request



ETS - LINDGREN
5407 GTEM Test Cell

Compact GTEM cell especially suited to small self-contained or battery-powered device testing — 15-minute radiated emissions scans, full compliance to IEC/ANSI standards.

Compliance standards	IEC 61000-4-20, ANSI C63.4
Industries	Aerospace & Defense, Automotive, Commercial

price on request



ETS - LINDGREN
5903-HST High Speed Reverberation Tuner

Next-generation reverberation chamber tuner reaching 100 RPM continuous rotation — supports both stepped and continuous stirring modes for automotive/aerospace/defense EMC testing.

Max continuous rotation speed	100 RPM
Supported modes	Stepped (tuned), Continuous (stirred)
Standards	ISO 11452-5, ISO 11452-11

price on request



ETS - LINDGREN

AMS-5700 Compact 5G Antenna Measurement System

Compact tabletop 2D antenna measurement system for R&D and university applications — optional 3D roll-axis stage for expanded measurement capability.

Format Tabletop, 2D (optional 3D roll-axis stage)

Industries Academia, Wireless

price on request



ETS - LINDGREN

AMS-5703 5G CATR Antenna Measurement System

Walk-in compact antenna test range chamber with 60cm quiet zone — tests smartphones to gNodeB base stations, 3GPP/CTIA/Qualcomm-approved for FR2 bands n257-n262.

Quiet zone diameter 60 cm

DUT positioning capacity 50 kg (110 lb)

Supported 5G NR bands n257-n262

Standards 3GPP, CTIA, Qualcomm-approved (FR2)

price on request



ETS - LINDGREN

EHP High Performance Microwave Pyramidal Absorber

Extra high-performance pyramidal absorber effective from 30MHz to 100GHz — conductive carbon-impregnated urethane foam for chamber wall/floor/ceiling treatment.

Frequency range 30 MHz-100 GHz

Power handling 1.0 W/in²

Substrate Non-hygroscopic

Fire rating Fire retardant

Optional treatment FlexSorb (improved durability)

price on request

EUROSATCOM

FRANCE • 2003 • 1 PRODUCT

French SATCOM equipment distributor and integrator; ground station hardware across L to Q band; founded 2003 in Les Ulis.



EUROSATCOM

Signal Analyzers / Spectrum & Beacon Receivers

Portable and rackmount spectrum analyzers and beacon receivers for satellite signal monitoring — compact, portable, rackmount, and OEM module form factors.

EVO-CLM (Rev B)	L-Band or 400-3000 MHz, compact form factor
PSA-2500	5 MHz - 2300 MHz, portable form factor
EVO-RSA (Rev B)	70 to 6000 MHz (option), rackmount
LBR-2195A	L-Band, OEM form factor

price on request

EXA (Astro-und Feinwerktechnik)

GERMANY · 1993 · 1 PRODUCT

German manufacturer of reaction wheels, CubeSat picosatellite deployers, and AOCS components for small satellites, based in Berlin-Adlershof.



EXA (ASTRO-UND FEINWERKTECHNIK)

ASTROFEIN ACS Test Bed

The ASTROFEIN ACS Test Bed is a comprehensive test stand for verifying the attitude control systems of mini and microsatellites, offering end-to-end testing capabilities including

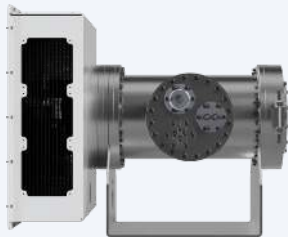
Rotation around vertical axis	free 360°
Rotation around horizontal axis	20° – 30°
Magnetic field simulation	High-precision in-orbit
CoG calibration	Electronic
Sun simulation	Adjustable and movable

price on request

Exobotics

UNITED KINGDOM · 1 PRODUCT

Modular nanosatellite platforms and space test equipment using robotics, AI, and advanced materials.



EXOBOTICS

XO-VAC

The XO-VAC is a low-cost, desktop thermal vacuum chamber designed for CubeSats, nanosatellites, and small payloads, simulating space environmental conditions through high vacuum an

Price	From £48,000 (base model)
Overall dimensions	1260 mm x 750 mm x 600 mm
Working volume	8.4L / 3U CubeSat
Temperature range	-25 C to 125 C
Thermal	radiation via shroud and/or conduction via tray

from £48 000 [datasheet](#)

Experior Laboratories

UNITED STATES · 2003 · 4 PRODUCTS

Experior Laboratories provides independent design verification and qualification testing services for components and systems across space, aerospace, military, and other industries.

EXPERIOR LABORATORIES Comprehensive Testing Services

Experior Laboratories offers comprehensive testing, certification, and qualification services for components and systems across various industries, including space, satellite, and

Vacuum level	10 ⁻⁷ torr
Temperature range	±150°C
Chamber #1 (Diversified Vacuum 3600)	36"x54" inner volume
Chamber #2 (Nanovac Galaxy TVC225HSM)	60"x72" inner volume
Chamber #3	23"x23"x23" inner working volume

price on request



EXPERIOR LABORATORIES Cryogenic Testing Services

Extreme low-temperature testing down to 4K — liquid nitrogen and liquid helium cycling for simulating cryogenic fuel systems and space thermal environments.

Minimum test temperature	4K (-269°C)
Coolants	Liquid nitrogen, liquid helium
Safety systems	Triple-redundant overpressure relief, shutoff valve, O2 sensors

price on request



EXPERIOR LABORATORIES

Direct Field Acoustic Testing (DFAT)

High-intensity acoustic launch-simulation testing using the Acoustic Research Systems NEUTRON System — full satellite DFAT process in 4 days or less.

Process time	Load-in to load-out in ≤ 4 days for large satellite
Control system	DF-ACS (m+p international)
Simulation integration	Dassault Systemes Wave6 vibroacoustic platform
Standards	Meets/exceeds NASA, SpaceX, Aerospace, Military requirements

price on request



EXPERIOR LABORATORIES

Mechanical Shock Testing Services

Classical, pyroshock, and high-G shock testing — up to 10,000+ G via Lansmont P30, proprietary KIPS pyroshock simulation system.

Classical shock	Up to 1,500 G
Horizontal shock system	Up to 5,000 G on parts over 500 lb
SRS Shaker Shock (T2000)	Up to 5,000 G
Lansmont P30 shocks	>10,000 G, max velocity change 600+ in/s
Data capture rate	1 MHz

price on request

EyasSat

UNITED STATES · 1 PRODUCT

American company making the EyasSat nanosatellite simulator, an educational spacecraft kit co-developed with the US Air Force Academy covering all six satellite bus subsystems for university and workforce training.



EYASSAT

EyasSat Single axis air bearing for Attitude Control Studies

Light weight, economical air bearing for conducting attitude control studies about a single axis. Studies include center of mass management, testing various control laws, and...

Manufacturer EyasSat

€1 093

Gatehouse Satcom

DENMARK · 1992 · 2 PRODUCTS

Danish embedded software specialist providing satellite communications protocol stacks, waveforms and test tools for terminals, satellites and networks.

GATEHOUSE SATCOM

5G NTN Network Emulator (NEMU)

Software emulator for off-air and in-orbit validation of 5G NTN link performance

GATEHOUSE SATCOM

UAV Satcom Test Tools

Digital-twin off-air test tools for validating satellite connectivity on UAVs and unmanned vehicles

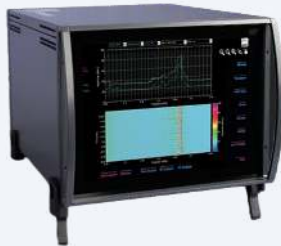
price on request

price on request

GAUSS Instruments

GERMANY · 2007 · 1 PRODUCT

GAUSS Instruments manufactures high-performance EMC test equipment and EMI test solutions, including real-time receivers, for various industry standards and applications.



GAUSS INSTRUMENTS

TDEMI ULTRA

Ultra-high-performance real-time EMI/EMC receiver and measurement system covering DC to 40 GHz with a 685 MHz instantaneous bandwidth, combining spectrum analyzer, real-time spectr

Frequency range	DC to 40 GHz
Instantaneous (real-time) bandwidth	685 MHz
Real-time disturbance power measurement span	up to 300 MHz
Quasi-peak parallel frequencies	up to 64,000 frequencies in parallel
Quasi-peak characterization range	up to 1 GHz

price on request

GDP Space Systems

UNITED STATES · 2 PRODUCTS

GDP Space Systems designs and manufactures telemetry receivers, satellite modems, and range management systems for aerospace and flight test applications.



GDP SPACE SYSTEMS

Model 2265 Multi-Channel PCM Bit Synchronizer

Rackmount multi-channel PCM bit synchronizer housing up to 4 bit sync channels in a 2U chassis, with built-in BERT/frame sync.

Channels	Up to 4 per 2U chassis
Data rate	10 bps to 40+ Mbps
Sensitivity	Down to -3 dB Eb/No at 100 mVpp
Modulation support	QPSK, OQPSK, SQPSK



GDP SPACE SYSTEMS

Model 2267C Multi-Channel Correlating Best Source Selector

The GDP Model 2267C Correlating/Diversity Combining Best Source Selector accepts up to 16 input data streams, each from digital data and clock or optional Ethernet output packets.

Input streams	Up to 16
Output groups	Up to 6 Best Source processing groups
Performance gain	Over 5 dB vs. single receive path

Form factor	2U rackmount, or single/dual-channel PCI card
price on request	

I/O	Direct Ethernet TMoIP, analog, or digital
Data compatibility	Encrypted or clear data
price on request	

General Atomics Synopta GmbH

SWITZERLAND · 2004 · 1 PRODUCT

Swiss opto-electronics company (part of General Atomics since 2021) developing laser-communication beam-pointing systems, optical ground stations, and free-space/fiber optical communication components.



GENERAL ATOMICS SYNOPTA GMBH	
Metrology	
Custom-built metrology and control systems from GA-Synopta for measuring, calibrating and characterising optical and electromechanical systems, including test beds relevant to spac	
Capabilities	Point spread function, focal length, distortion, magnification, spectral transmission meas
DIMM systems	Differential Image Motion Measurement for atmospheric turbulence characterization
Other systems	Climatic chamber control, electronic autocollimators, motor test beds, beam pointing/stabi
price on request	

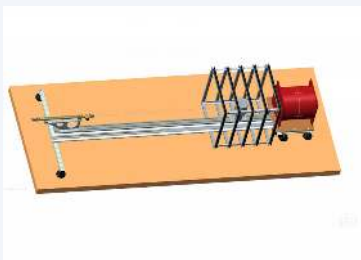
Glavkosmos

RUSSIA · 1985 · 40 PRODUCTS

Glavkosmos coordinates international human spaceflight projects, facilitates satellite launches, develops and supplies rocket components, and provides equipment for space crews.



GLAVKOSMOS	
“TERRA” complex of space environment simulators	
TERRA is a space flight simulation complex that recreates the orbital environment—including Earth's magnetic field and solar radiation—for conducting experiments with satellite mod	



GLAVKOSMOS	
A Set of Stationary Control and Verification Equipment (SSCVE)	
The SSCVE is a stationary control and verification equipment designed to measure and control the induction of magnetic fields generated by an EMU, proportional to the current flowi	

Year of release	2017
Guaranteed service life (years)	1
Estimated production / delivery time (months)	3
Diameter	no less than 1.2 m
Interface	RS-485

price on request



GLAVKOSMOS

Active Weightlessness System

The Active Weightlessness System is a ground-based test equipment designed to simulate weightlessness for modal testing of large transformable spacecraft systems, including reflect

Purpose	Ground modal testing under conditions simulating weightlessness and testing of large trans
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Year of release	2014
Guaranteed service life (years)	3
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Air Bearing (160 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	160
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request

Year of release	2017
Guaranteed service life (years)	3
Estimated production / delivery time (months)	6
Brief history of flight qualification	Individual production.
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Air Bearing (15 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	15
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



GLAVKOSMOS

Air Bearing (35 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	35
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



GLAVKOSMOS

Air Bearing (65 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	65
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



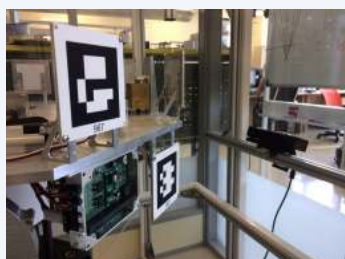
GLAVKOSMOS

Automated Testing Complex ATC

Spacecraft electrical test complex (672 discrete outputs, 1440 discrete inputs, 48 DC channels, 510 insulation channels, 450×450 cross, QNX/Windows, up to 250 m remote). Customizab

Purpose	Comprehensive ground-based electrical testing and spacecraft system verification
Year of release	2007
Guaranteed service life, years	10
Estimated production/delivery time	12 months
Customization	Can be adapted to customer requirements

price on request



GLAVKOSMOS

Autonomous Measurements System

A ground-based test system that independently verifies the performance of a microsatellite's attitude determination and control system by optically tracking markers on a test mocku

Purpose	Designed to verify the work of attitude determination and control system
Year of release	2013
Estimated production / delivery time (months)	5
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Control Complex of a Large-sized Products

A programmable real-time control complex for monitoring the shape and dimensional deviations of large-sized product forms (10 m and larger) using a network of compact triangulation

Purpose	Real time control of large-sized product forms (from 10 m and more)
Year of release	2007
Guaranteed service life (years)	1
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

CubeSat ADCS Testing Facility

A ground-based test bench for functional testing of the orientation and stabilization (ADCS) system of 3U CubeSats, including an air bearing table, sun and magnetic field simulator

Purpose	Designed for functional testing of CubeSat 3U orientation and stabilization system
Year of release	2014
Estimated production / delivery time (months)	6
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No
price on request	



GLAVKOSMOS

DHS 514 Pressure Converter

The DHS 514 Pressure Converter is a piezoelectric transducer designed to measure acoustic pressures of non-aggressive gaseous media affecting rocket and space technology structural

Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements of acoustic pressure	125-185 dB
Conversion coefficient	110±15, 140±45, 155±15, 170±15 $\mu\text{V} / \text{Pa}$
Error	±1.0 dB
price on request	



GLAVKOSMOS

DHS 517 Pressure Converter

The DHS 517 Pressure Converter is a flight-qualified piezoelectric transducer designed to measure sound pressure of non-aggressive gaseous media on structural elements of rocket and space technology structural

Purpose	Measurement of sound pressure of non-aggressive gaseous media acting on structural element
Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements of sound pressure	125-185 dB
Frequency range	3-4000 Hz
price on request	



GLAVKOSMOS

Dynamic Pressure Sensor Vt 206

The Dynamic Pressure Sensor Vt 206 is a strain gauge sensor designed for measuring static-dynamic pressure in liquid and gaseous aggressive and non-aggressive media, primarily for rocket and space technology structural

Purpose	Measurement of the static-dynamic pressure of liquid and gaseous aggressive and non-aggressive media
Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes
Range of measurements	0-1; 0-1,4; 0-2; 0-2,8; 0-4; 0-5,6; 0-8; 0-11; 0-16; 0-22; 0-30; 0-40; 0-60 Mpa
price on request	



GLAVKOSMOS

Equipment for determining the center-of-mass position and inertia characteristics of nanosatellites

Ground-based measurement equipment for determining the center-of-mass position and axial moments of inertia of nanosatellites up to 10 kg.

Inaccuracy of the center-of-mass position determining	not more than 1 mm
Accuracy of axial moments of inertia determination	not less than 1.5%
Year of release	2017
Guaranteed service life (years)	3 years
Estimated production / delivery time (months)	12

price on request



GLAVKOSMOS

Force Sensor Vt 114

The Force Sensor Vt 114 is a strain gage sensor designed for measuring compressive, tensile, and alternating forces in structures of space rocket and aviation equipment. It works i

Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements	±130 kN
The basic error, %, not more	1
Rated output signal	1,5+0,22-0,15 mV / V

price on request



GLAVKOSMOS

Magnetic Field Simulator

The Magnetic Field Simulator is a Helmholtz cage system designed to simulate the Earth's magnetic field along a satellite's orbital trajectory for testing purposes.

Purpose	Designed for magnetic field simulation along the orbital trajectory of a satellite.
Year of release	2009
Estimated production / delivery time (months)	5
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Mass-spectrometer Helium Leak Detector Type

A highly sensitive magnetic mass-spectrometer leak detector used to test the leaktightness of systems and facilities by detecting and localising helium tracer gas leaks.

Year of release	2011
Guaranteed service life (years)	10
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Measuring Instrument KS T-406N Tester

The T-406H KC tester is a compact portable device for checking the technical characteristics of signals emitted by radio beacons and verifying the validity of encoded data during s

Purpose	T-406N KS tester is intended to control technical characteristics of the signals emitted b
Year of release	2012
Estimated production / delivery time (months)	6
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
price on request	



GLAVKOSMOS

Nanosatellite Debug Board

A debug board designed to facilitate the testing and debugging of any onboard system or a full nanosatellite, featuring multiple debugger interfaces and onboard system emulation.

Purpose	Board designed to allow debugging of any onboard system or full nanosatellite.
Year of release	2016
Guaranteed service life	1 year
Estimated production / delivery time	6 months
Flight qualification of the product	No
price on request	



GLAVKOSMOS

Piezoelectric Pressure Pulsation Sensor LH 604

The LH 604 is a piezoelectric sensor designed to measure pressure pulsations in liquid and gaseous media within rocket and space technology power plants, working with a charge or v

Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements of pressure pulsations	0,05-5,0 Mpa
The range of exposure to static pressures	3,0-60 Mpa
Conversion coefficient	$(40 \pm 25) \cdot 10^{-5} \text{ mV} / \text{Pa}$
price on request	

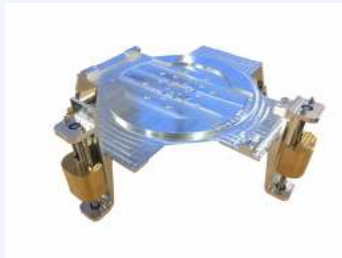


GLAVKOSMOS

Piezoelectric Pressure Pulsation Sensor LH 608

The LH 608 is a piezoelectric pressure pulsation sensor designed for measuring pressure pulsations in liquid and gaseous media in rocket and space technology power plants, working

Range of measurements of pressure pulsations, Mpa	0,05-5,0
The range of exposure to static pressures, Mpa	3,0-60
Conversion coefficient, mV / Pa	$(40 \pm 25) \cdot 10^{-5}$
Error, %	± 10
Weight, kg	0.19
price on request	



GLAVKOSMOS

Platform for Installation of Cubesat 3U satellite

A ground test platform designed to hold and balance a 3U CubeSat with ADCS for testing on an air-bearing test bench.

Purpose	Designed for CubeSat 3U satellite with ADCS installation to test on air-bearing
Year of release	2014
Estimated production / delivery time (months)	5
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Platform for Installation of Tabletsat Devices

A ground test platform for mounting "TabletSat" small-satellite devices to test them on an air-bearing test bench.

Purpose	Designed for "TabletSat" satellite devices installation to test on air-bearing
Year of release	2009
Estimated production / delivery time (months)	5
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Platform for Installation of the Satellite Tabletsat

A ground test platform designed for installing the TabletSat satellite for testing on an air-bearing test bench.

Purpose	Designed for "TabletSat" satellite installation to test on air-bearing
Year of release	2013
Estimated production / delivery time (months)	5
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Primary Linear Displacement Transducer Vt 718

The VT-718 is a primary linear displacement transducer designed for measuring linear displacements of objects in rocket and space technology control systems, featuring high reliability.

Purpose	Measurement of linear displacements of objects in rocket and space technology product control
Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes
Range of measurements	0-16; 0-22; 0-30; 0-45; 0-60; 0-90; 0-125; 0-180; 0-250; 0-350; 0-500; 0-700; 0-750 mm

price on request



GLAVKOSMOS

Sensor of Rapidly Varying Pressure 612M

The 612M is a flight-qualified, high-temperature piezoelectric sensor designed for measuring rapidly varying pressures in liquid and gaseous aggressive and non-aggressive media with

Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements of rapidly varying pressures	0,045-5,6 Mpa
Range of influence of slowly varying pressures	2,8-63 Mpa
Sensitivity, not less	16·10 ⁻⁵ mV / Pa

price on request



GLAVKOSMOS

Set of Fixing Devices of Nanosatellite

A set of fixing devices designed to secure a nanosatellite on the desktop of equipment used for measuring its center-of-mass position and inertia characteristics.

Purpose	Designed for fixing of the nanosatellite at the desktop of the equipment for measurement t
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Solar Panel Check Stand

The Solar Panel Check Stand is a ground support equipment designed for weight relief and opening-out testing of small-size solar panels for space applications.

Purpose	Provides weight relief and opening-out testing of small-size Product solar panels.
Year of release	2014
Guaranteed service life	15 years
Estimated production / delivery time	9 months
Flight qualification of the product	No

price on request



GLAVKOSMOS

Solar Weightless System

An automated ground-based system that simulates weightlessness for testing large-sized spacecraft elements such as solar panels.

Purpose	Designed for ground testing (weightlessness) of spacecraft equipment, solar panels
Year of release	2016
Guaranteed service life (years)	10
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Starry Sky Simulator

A ground-based test device that displays simulated star field imagery on a screen to test star trackers alongside other ADCS components.

Purpose	Designed for star trackers testing together with other ADCS components
Year of release	2017
Estimated production / delivery time (months)	9
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Sun Simulator (halogen)

A halogen-lamp based sun simulator designed for ground testing of spacecraft ADCS Sun orientation capability.

Purpose	Designed for testing of ADCS Sun orientation capability
Year of release	2009
Estimated production / delivery time (months)	1
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Synthesis System of IR Images

The Synthesis System of IR Images is a test equipment designed to generate dynamic infrared images for evaluating photodetectors, utilizing independent object and background illumin

Purpose	Designed to create dynamic infrared images of arbitrary topology in the plane of the locat
Year of release	2018
Guaranteed service life (years)	10
Estimated production / delivery time (months)	12
Flight qualification of the product	No

price on request



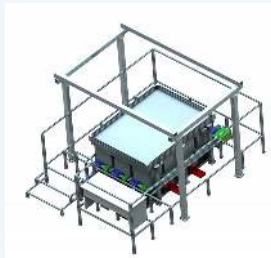
GLAVKOSMOS

Technical Condition Monitoring System

A ground-based monitoring system that provides wide-angle and close-up video surveillance plus sensor-based tracking of oxygen, propellant, temperature and humidity levels during s

Year of release	2014
Guaranteed service life	5 years
Estimated production / delivery time	18 months
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Test Bench for Mutual Movement of Spacecraft

An aerodynamic (air-bearing) test table that lets scale mock-ups of spacecraft move freely in the horizontal plane with minimal friction, enabling study of their mutual/relative mo

Dimensions, mm	5000kh6000kh3000
Active area size	1860kh2480
Disk (w/ control system electronics) carrying capacity, kg, up to	10
Gap between disk and table, mm, up to	0.5
Working medium	air

price on request



GLAVKOSMOS

Test Bench For Nanosatellite Attitude Control System

A ground-based magnetic test stand for validating CubeSat attitude determination and control algorithms and for training students.

Purpose	Conducting testing of control algorithms. Training of students and stuff.
Year of release	2017
Guaranteed service life (years)	1 year
Estimated production / delivery time (months)	4
Flight qualification of the product	No

price on request



GLAVKOSMOS

Test Bench to Examine Radio-Technical Performance of Antennas

A six-degree-of-freedom precision positioning mechanism (hexapod) used as a component of a testbed for examining the radio-technical performance of antennas under ground conditions

Purpose	High precision transfer and rotation of the target object in the 3 linear and 3 angle dire
Year of release	2012
Guaranteed service life (years)	10
Estimated production / delivery time (months)	4
Flight qualification of the product	No

price on request



GLAVKOSMOS

Thermoelectric Converter DT 27

The Thermoelectric Converter DT 27 is a flight-qualified sensor designed for temperature measurement of aggressive (liquid oxygen) and non-aggressive liquids and gases in rocket an

Purpose	Temperature measurement of aggressive (liquid oxygen) and non-aggressive liquids and gases
Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements	-196/+600 °C
Limits of permissible deviations of TEDS from NSKHK (L), ° S, (for tolerance classes 2, 3 according to GOST R 8.585-2000) in the temperature measurement range: 1. -196 / -100 °C; 2. St. -100 / + 100 °C; 3. -40 / + 360 °C; 4. St. + 360 / + 600 °C	1. $\pm(1,5+0,01 t)$; 2. $\pm 2,5$; 3. $\pm 2,5$; 4. $\pm(0,7+0,005 t)$

price on request



GLAVKOSMOS

Transformable Reflectors Weightless System

An automated weightlessness (zero-gravity offloading) suspension system used for ground testing of spacecraft equipment and transformable/deployable reflectors.

Year of release	2016
Guaranteed service life (years)	10
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
Number of suspension points weightless elements	36 pcs

price on request



GLAVKOSMOS

Weight-measuring Platform Devices

Weight-measuring platform devices designed for static weighing of transport fuelling containers and for weighing liquid fuel and fuel charges.

Purpose	Weighing of transport fuelling containers in the static weighing mode; weighing of liquid
Year of release	2015
Guaranteed service life (years)	3
Estimated production / delivery time (months)	8
Flight qualification of the product	No

price on request

Gran Systems

UNITED STATES · 3 PRODUCTS

System integrator and manufacturer of CubeSat structures, buses, and MyPOD test/transport pods, with space environment test equipment services.



GRAN SYSTEMS

12U MyPOD2

The 12U MyPOD2 is a versatile tool for CubeSat qualification, testing, fit-checks, storage, and transportation, supporting various CubeSat configurations.

Temperature range	-50°C to +100°C
External Size (L x W x H)	268 x 266 x 442.1 mm
Rail Size (L x W x H)	227 x 227 mm
CubeSat Size (L x W x H)	226.3 x 226.3 x 366.0 mm
Empty Mass	15 kg

price on request



GRAN SYSTEMS

3U MyPOD1

A 3U CubeSat test pod used for qualification, acceptance testing, dimensional fit-check, storage, and transportation of 1U to 3U CubeSats.

Temperature range	-50°C to +100°C
External Size (L x W x H)	144 x 148.1 x 470 mm
Rail Size (L x W x H)	100.8 x 100.8 mm
CubeSat Size (L x W x H)	100 x 100 x 340.5 mm
Empty Mass	7.9 kg

price on request



GRAN SYSTEMS

3U MyPOD2

The 3U MyPOD2 is a versatile tool for qualification, acceptance testing, dimensional fit-check, and storage and transportation of CubeSats, supporting various 1U, 1.5U, 2U, and 3U

Temperature range	-50°C to +100°C
External Size (L x W x H)	137 x 137 x 415 mm
Rail Size (L x W x H)	100.8 x 100.8 mm
CubeSat Size (L x W x H)	100 x 100 x 340.5 mm
Empty Mass	4.8 kg

price on request

Hex-Star Universe

INDIA · 2022 · 3 PRODUCTS

India-based space EdTech platform offering CubeSat and CanSat educational kits, high-altitude balloon hardware, and online space science courses for students worldwide.



HEX-STAR UNIVERSE

CanSat Kit

All-in-one CanSat educational kit simulating a real satellite mission with LoRa telemetry and live web dashboard.

Sensors	Temperature, humidity, barometric pressure, altitude, GPS, acceleration, gyroscope
Communication	LoRa 433 MHz module, long-range
Dashboard	Web-based live UI: GPS position, altitude, pressure, acceleration, orientation
Payload Capacity	Up to 1 kg
Compatibility	Parachute-compatible for recovery

price on request



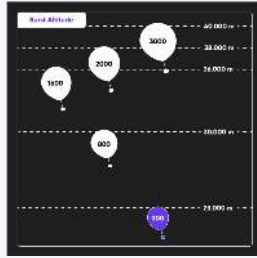
HEX-STAR UNIVERSE

CubeSat Kit GEN1

Educational 1U CubeSat build kit with 20+ sensors, 433 MHz RF comms, GPS, and live AI-powered web dashboard.

Dimensions	10 x 10 x 10 cm (1U)
Weight	300 g
Sensors	20+ types: humidity, temperature, barometric pressure, altitude, gyroscope, accelerometer,
Communication	433 MHz RF module
Range	100 m – 1 km

price on request



HEX-STAR UNIVERSE

High Altitude Balloon 300g

Weather balloon reaching ~24,000 m altitude for radiosondes and light scientific payloads.

Mass	300 g
Max Altitude	~24,000 m
Suitable Payloads	Radiosondes, light instruments, amateur radio
Not Recommended For	Heavy camera payloads
price on request	

HEX20

INDIA · 1 PRODUCT

Indian small satellite manufacturer offering flight-proven platforms, subsystems, and mission-as-a-service solutions.



HEX20

FlatSat Ground Test Rig

Ground-based hardware-in-the-loop test rig for validating satellite payloads and subsystems before flight — 6 PC-104 slots, ground-station simulator included.

PC-104 slots	6 (CDH, EPS, COMMs, Interface Card, 2 spares)
Bus-probing connectors	2
Antenna pass-throughs	2x SMA-SMA with 30dB attenuator (VHF/UHF)
Battery boards	1 (4x battery holder), extendable to 2

price on request

SPACE COTAN Co., Ltd. is a Japanese company developing and operating the Hokkaido Spaceport at Taiki-cho (Taiki Town) in Hokkaido, Japan's northernmost main island, as a commercial launch site for small orbital rockets and sounding rockets.



HOKKAIDO SPACEPORT (SPACE COTAN)
Engine Firing Test Facility — Rocket Propulsion Testing

Dedicated rocket engine firing test facility at Launch Complex 0 in Taiki, Hokkaido, supporting propulsion development and qualification for orbital and suborbital launch vehicles.

Location	Launch Complex 0 (LC0), Bisei, Taiki-cho, Hiroo-gun, Hokkaido, Japan
Facility type	Static fire / rocket engine firing test
Propellants available	LNG (CH4), LOX, GHe, LN2, GN2, GOX, Water, Electrical Power
Known users	Interstellar Technologies Inc., Innovative Space Carrier Inc.
Applications	Engine development, qualification, hot-fire testing for orbital and suborbital vehicles

price on request

Hypernova Space Technologies

South Africa-based space hardware company developing the Lumen thermal vacuum testing system and providing TVAC test services for the aerospace industry.

HYPERNOVA SPACE TECHNOLOGIES
Lumen Thermal Vacuum (TVAC) Test System

Space-environment qualification TVAC testing service from Cape Town — high vacuum + thermal cycling for small satellite components and subsystems, operated by Hypernova Space Techn

Facility location	Cape Town, South Africa
Service type	Thermal vacuum testing as a service
Test environment	High vacuum + thermal cycling
Target hardware	Small satellite components, subsystems, CubeSat-class assemblies
In-house heritage	Qualified Hypernova vacuum arc thruster hardware (Transporter-6, Jan 2023)

price on request

IABG GERMANY · 1961 · 1 PRODUCT

IABG GERMANY · 1961 · 1 PRODUCT

German technology company providing testing, simulation, and engineering services for aerospace, defense, and space systems.



IABG
IABG Space Systems Testing and Qualification Services

Europe's foremost independent space test centre — thermal-vacuum, vibration, acoustic, EMC, optical, and structural qualification for satellites and spacecraft, operating at IABG O

Thermal vacuum chamber (Phenix, ESTEC/ETS)	4 m diameter × 10 m length, <10 ⁻⁵ mbar
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Acoustic test facility max SPL 156 dB

Vibration table mass capacity **20 tonnes**
(Hydra, ESTEC)

Vibration actuators (Hydra) 8×680 kN hydraulic, 6 DOF

Test types	Thermal-vacuum, solar simulation, vibration, shock, acoustic, EMC, modal analysis, optical
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price on request

ISISPACE Group

ISISPACE Group

CubeSat deployers, antennas, EPS and small-satellite systems.



ISISPACE Training Platform

This cost-effective Training Platform can support hands-on training and education for small satellite design and engineering, perfect to kickstart your small satellite program...

Manufacturer ISISPACE

€9 800 datasheet

Jena-Optronik designs and manufactures sensors, space optics, and electronics for satellites and spacecraft, supporting communication, navigation, and Earth observation.



JENA - OPTRONIK
OSI Optical Sky Simulator

Advanced dynamic closed-loop star sensor test system: projects real sky scenery (stars, planets, SEUs) on micro-display through collimating optics, >20deg FOV, up to 3deg/s moti

Function	Dynamic closed-loop end-to-end star sensor testing
FOV	>20 deg circular
Simulated Objects	Stars (2.0-6.5 mi), solar system bodies, protons (>5000/image), extended objects
Single Star Accuracy	<0.0075 deg (3-sigma)
Star Diameter	<0.1 deg (99%)

price on request



JENA - OPTRONIK
OSPS Optical Star Pattern Simulator

Compact, cost-efficient Ground Support Equipment for static star pattern simulation and functional testing of ASTRO APS and ASTRO CL star trackers. Available in ambient and TVAC va

Function	Static star pattern simulation (open-loop)
Compatibility	ASTRO APS (plug & play); ASTRO CL (extended version)
Variants	OSPS-Standard (ambient), OSPS-TV (TVAC), OSPS-PEEK (reduced shielding)
Operating Temperature	+10 to +30 deg C (Standard/PEEK); TVAC range for -TV variant
ASTRO CL capability	Alignment and measurement during satellite integration

price on request

KRYTAR designs and manufactures ultra-broadband microwave, mmWave, and RF components and test equipment for commercial and military applications, covering DC to 110 GHz.



KRYTAR
Space Qualified Coaxial Termination

Rugged mechanical-design coaxial terminations rated for space use — models spanning DC to 40 GHz, low VSWR, 3.5mm connectors.

Model T1M-SQ	DC-20.0 GHz, 1.05 max VSWR, 3.5mm male
Model T2M-SQ	To 26.5 GHz
Model T3M-SQ	To 40.0 GHz



KRYTAR
Zero Bias Schottky Detectors 203A

The KRYTAR 203 Series Zero Bias Schottky Detectors are inline coaxial barrel connector packages designed for high-performance microwave instrumentation and systems, offering broad

Minimum Frequency	10 MHz
Maximum Frequency	40 GHz
Frequency Response	±0.5 dB to 20 GHz
Frequency Response	±0.8 dB to 26.5 GHz

price on request

Frequency Response

±1.5 dB to 40 GHz

price on request

[datasheet](#)

LabSat

UNITED KINGDOM · 3 PRODUCTS

LabSat, a brand of Racelogic, provides compact GNSS record and replay simulators enabling reliable, repeatable testing of GNSS-enabled devices across automotive, aerospace, and industrial applications.



LABSAT

LabSat 3

Compact, portable multi-constellation GNSS record-and-replay simulator for testing and developing products with satellite navigation chipsets.

Constellations	GPS/Galileo/SBAS/QZSS, GLONASS, or BeiDou
Output Signal Level	Adjustable -73 dBm to -103 dBm
RF Channels	1, 2 or 3 (model dependent*)
RF Constellation Centre Frequencies	1575.420 MHz (GPS L1, Galileo E1, SBAS and QZSS); 1602.00 MHz (GLONASS L1); 1561.098 MHz (BeiDou B1, B2a/b, B3)
Number of Satellites Observed	All in view

price on request

[datasheet](#)



LABSAT

LabSat 3 Wideband

The LabSat 3 Wideband is a multi-constellation and multi-frequency GNSS record and replay system designed for testing GNSS devices in various applications, including aerospace and

Constellations	GPS L1, L2, L5; Galileo E1, E5a/b, E6; GLONASS G1, G2, G3; BeiDou B1, B2a/b, B3; QZSS L1, L2, L5
Nominal Output Signal Level	-93dBm/MHz @ 0dB, variable attenuator provides between +20 dB and -69 dB of adjustment during operation
RF Channels	3
RF Channel Centre Frequencies	Selectable
Number of Satellites Observed	All in view

price on request

[datasheet](#)



LABSAT

LabSat 4

The LabSat 4 is a compact, portable, and cost-efficient GNSS Record & Replay simulator offering multi-constellation and multi-frequency capabilities with up to 12-bit quantisation

Constellations	GPS L1, L2, L5; Galileo E1, E5a/b, E6; GLONASS G1, G2, G3; BeiDou B1, B2a/b, B3; QZSS L1,
Nominal Output Signal Level	-73dBm/MHz @ 0dB Variable attenuator provides between +20 dB and -69 dB of adjustment duration
RF Channels	3
RF Channel Centre Frequencies	Selectable
Number of Satellites Observed	All in view

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

LAUNCH42

NETHERLANDS · 2 PRODUCTS

Dutch developer of SmallSat and CubeSat separation systems providing smart, lightweight, cost-effective satellite deployers for launch mission management.



LAUNCH42

Tpod L CubeSat Test Fixture

Fully assembled CubeSat test fixture (TPOD-L) from Launch42, supporting 12U/16U CubeSats for integration and pre-launch test campaigns.

Size	TPOD-L
Supported CubeSat Size	12U / 16U
Lead time	4 weeks
Price	€15,800

€15 800



LAUNCH42

Tpod M CubeSat Test Fixture

Fully assembled CubeSat test fixture (TPOD-M) from Launch42, supporting 6U/8U CubeSats for integration and pre-launch test campaigns.

Size	TPOD-M
Supported CubeSat Size	6U / 8U
Lead time	4 weeks
Price	€11,500

€11 500

Dutch manufacturer of precision optical components and sun sensors for space missions, with flight heritage on ESA programs including LISA.



LENS R&D

Single Sampler EGSE

The Single Sampler is a universal analogue Sunsensor interface box that can be used to readout four (photo) currents simultaneously as well as a 10kOhm nominal thermistor. As such...

Manufacturer LENS R&D

€11 887

Lidax

SPAIN · 2 PRODUCTS

Madrid-based aerospace engineering company specialising in opto-mechanical systems, flexible thermal straps, and cryogenic units for space missions.



LIDAX

Custom Cryostats

Custom-built research-grade cryostats offering precise cryogenic temperature control, compatible with liquid helium or liquid nitrogen, for space-technology research.

Operating temperature	In-house test asset: 20 to 300 K
Interface	Optical windows (in-house asset: 2 windows); compatible with liquid helium or liquid nitro
Dimensions	In-house test asset volume: 300 x 300 mm

price on request



LIDAX

Custom Thermal Vacuum Chambers

Custom-designed thermal vacuum chambers reproducing space environmental conditions (extreme temperature and high vacuum) for qualification testing of space hardware.

Interface	Custom-configured size, temperature range, vacuum level, and optical window options per pr
Operating temperature	Configurable extreme-temperature range (project-specific)
Interface	ISO 5 / ISO 7 clean rooms compliant with ISO 14644 for integration
Interface	In-house test types: sine/random vibration, shock, TVAC, TVTB

price on request

Total liquid immersion cooling technology for servers and electronics, using patented Directed-Flow cooling in standard 19-inch racks for data center, edge, and rugged industrial applications.



LIQUIDCOOL SOLUTIONS
LCS MiniNODE

The LCS MiniNODE is a compact, fully sealed (IP67) industrial computer built on the Thin Mini-ITX standard, cooled entirely by roughly one gallon of non-hazardous, eco-friendly die

Ingress protection	IP67
CPU	AMD Ryzen Embedded R2000/5000-series, up to 6-core/12-thread, 4.4 GHz
Memory	up to 64 GB DDR4
Storage	NVMe M.2 SSD
Power	180 W external supply

price on request



LIQUIDCOOL SOLUTIONS
LCS Small-Scale Server (SSS)

Self-contained, plug-and-play 24U mobile server room housing 4-6 ZPServers for rapid edge deployment.

Power range	1.1 - 8 kW
Storage	up to 16 TB
Cooling PUE	< 1.04
Noise level	< 55 dBA
Rack size	24U

price on request



LIQUIDCOOL SOLUTIONS
LCS ZPServer (Zero-Pressure Server)

Immersion-cooled 2U rack server delivering up to 4kW per rack unit for data centers and AI workloads.

Cooling capacity	up to 4 kW per 2U
Dimensions	18 x 33 x 3.5 in (2U)
Fluid volume	~5 gallons per 2U
Wet weight	~75 lb per 2U
Cooling PUE	< 1.03

price on request

Redwire is an integrated aerospace and defense company providing advanced technologies, space infrastructure, and autonomous systems for government agencies and defense programs.



LOADPATH (REDWIRE)

LoadPath 3U CubeSat Mass Simulator

The LoadPath 3U CubeSat Mass Simulator is designed to simulate the mass and center of mass of a 3U CubeSat for ground fit checks, testing, and integration studies.

Design simulates	mass and center of mass of a 3U CubeSat
Mass range	3-5 kg
Suitability	ground fit checks, ground testing and integration studies
Nominal structural material	Delrin polymer
Material properties	low-outgassing materials acceptable in flight

price on request



LOADPATH (REDWIRE)

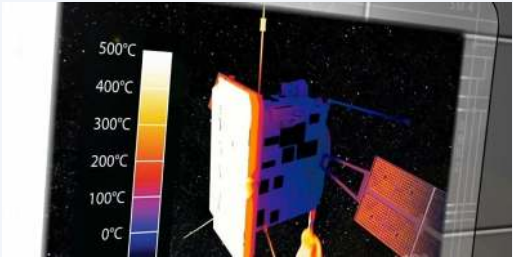
LoadPath 6U CubeSat Mass Simulator

The LoadPath 6U CubeSat Mass Simulator is designed to simulate the mass and center of mass of a 6U CubeSat for ground testing, integration studies, and fit checks.

Design simulates	mass and center of mass of a 6U CubeSat
Mass range	6-10 kg
Suitability	ground fit checks, ground testing and integration studies
Nominal structural material	Delrin polymer
Material properties	constructed of low-outgassing materials acceptable in flight

price on request

Lunar Research Service (LRS) is a Ukrainian space technology company specializing in hardware and materials testing for space applications, nanosatellite development, and extreme-environment testing.

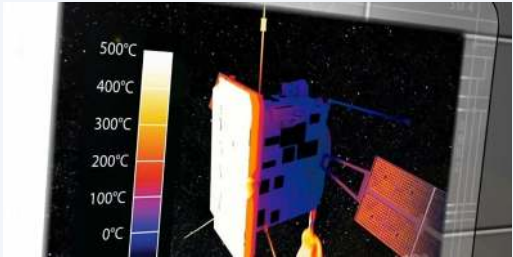


LUNAR RESEARCH SERVICE

Hardware Testing for Extreme Environments

Structural dynamics testing service from Lunar Research Service (LRS) for qualifying hardware intended for extreme, space-relevant environments.

price on request



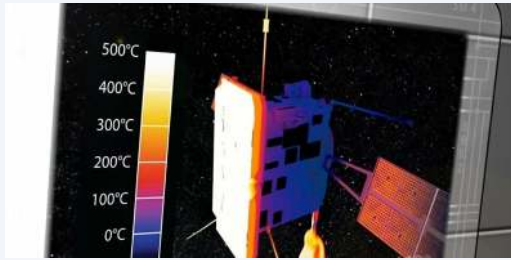
LUNAR RESEARCH SERVICE

LRS Hardware Testing for Extreme Environments

Lunar Research Service offers structural dynamics testing of hardware for extreme environments, covering vibration, shock, and acoustic qualification relevant to space missions.

Test capabilities	Vibration testing, vibroacoustics, modal characteristics testing, sound transmission loss
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price on request

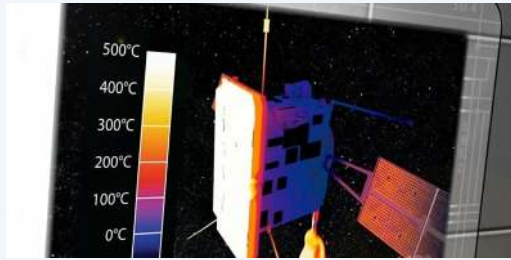


LUNAR RESEARCH SERVICE

Lunar Research Service (LRS)

Lunar Research Service (LRS) is a Ukrainian NewSpace company offering satellite mission services, near-space/stratospheric and orbital launch campaigns, and environmental hardware

price on request



LUNAR RESEARCH SERVICE

Lunar Research Service (LRS) Hardware Testing & Mission Services

Lunar Research Service (LRS) provides structural and environmental testing for hardware destined for extreme environments, alongside satellite mission design, in-house deployment s

Flight heritage

LRS 3U satellite launch agreement with Rocket Factory Augsburg AG (RFA), planned for Decem

price on request

Lunasa Space

UNITED KINGDOM · 2021 · 1 PRODUCT

Lúnasa is a London-based space technology company building navigation, autonomy, and rendezvous and proximity operations (RPO) systems for the in-orbit servicing and manufacturing (ISAM) market.



LUNASA SPACE

Robotic Testbed for Satellite Servicing

The Lúnasa Robotic Testbed is an advanced ground-based simulation environment for testing and validating vision-based Guidance, Navigation, and Control (GNC) systems for satellite

Arm Payload capacity	Upto 30 kg
Degrees of Freedom	6 DoF arms + extra DoF from the axis
Accuracy	0.05 mm
Length of testbed	7 m
Arm reach	Up to 1.3 m

price on request

Magson GmbH is a Berlin-based manufacturer of high-performance digital fluxgate magnetometers for terrestrial and space applications, including spacecraft attitude control systems.

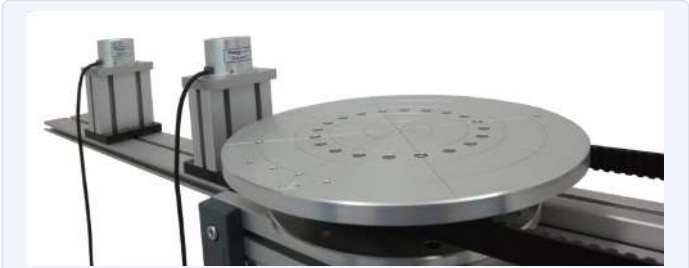


MAGSON GMBH
Data Logger

Linux-based multi-channel data logger for fast low-voltage and E-field measurements, including seafloor deployments.

Channels	3 channels
Sample rate	Up to 10 kHz
Measurement type	Fast E-field / low-voltage measurements
Time synchronization	Optional atomic clock for multi-unit sync without cabling
Operating system	Linux-based

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



MAGSON GMBH
Gradiometer (MFG-2S)

Dual-sensor fluxgate gradiometer for detecting small-scale magnetic field anomalies and spacecraft magnetic moment testing.

Sensor configuration	Two independent fluxgate sensors in spatial gradient arrangement
Measurement type	Magnetic field gradient / anomaly detection
Primary use	Spacecraft magnetic moment determination, magnetic cleanliness testing
Known users	ESTEC (ESA), Thales Alenia Space
Base sensor noise	< 15 pT/sqrt(Hz) @ 1 Hz (per Magson fluxgate sensor design)

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



MAGSON GMBH
Standard Fluxgate Magnetometer

Configurable industrial-grade tri-axial fluxgate magnetometer for terrestrial geophysical and field survey applications.

Sensor type	Tri-axial fluxgate, single or dual sensor configuration
Noise level	< 15 pT/sqrt(Hz) @ 1 Hz
Long-term stability	Offset drift < 3 nT/year
Data storage	Optional integrated flash memory for stand-alone operation
Optional sensors	Tilt meter, angular encoder, external GPS receiver

[price on request](#)

Chinese commercial satellite manufacturer building Earth observation, communications, and remote sensing satellites, plus payloads, components, and ground terminal systems.



MINOSPACE
Changchun Optical Payload Manufacturing AIT Center

The Changchun Optical Payload Manufacturing AIT Center specializes in the design, development, testing, and validation of large-aperture optical remote sensing satellite payloads,

Integrating Sphere Diameter	3-meter
Three-axis Toolmaker's Microscope Standard	JS B7153

price on request



MINOSPACE
MinoSpace Advanced Equipment Manufacturing Laboratory

The MinoSpace Advanced Equipment Manufacturing Laboratory is a comprehensive facility in Beijing for commercial satellite testing and development, integrating testing, experimental

Total area	nearly 5,000 square meters
Vibration table capacity	up to 1000 kg
EMC chamber dimensions	14m (L) x 12m (W) x 10m (H)
Thermal vacuum chamber effective temperature range	±200°C
Thermal vacuum chamber effective test diameter	3.6 meters

price on request

National Physical Laboratory (NPL)

UK national measurement institute providing precision timing, frequency standards, and calibration services critical for satellite navigation and space systems.



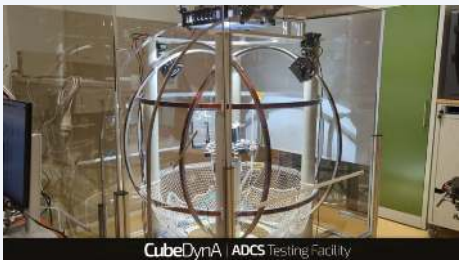
NATIONAL PHYSICAL LABORATORY (NPL)
NPL Space Metrology and Calibration Services

UK National Physical Laboratory provides precision metrology and calibration services for satellite instrument validation and Earth observation calibration.

Services	Precision metrology, sensor calibration
Applications	Satellite instrument validation, E0 calibration
Country	United Kingdom

price on request

Nautilus Navigation in Space designs autonomous Guidance, Navigation, and Control (GNC) sub-systems, provides Flight Dynamics as a Service, and develops ground testing equipment for space missions.



NAUTILUS NAVIGATION IN SPACE

CubeDynA

Ground testing equipment for CubeSat ADCS closed-loop testing.

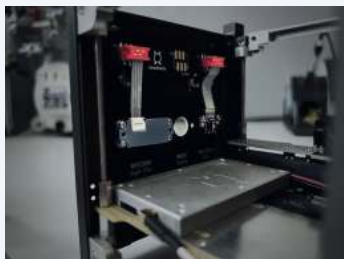
Supported platforms1U to 12U CubeSats

Test modeClosed-loop ADCS testing

price on request

Needronix

Polish smallsat hardware company designing and manufacturing components and subsystems for CubeSats and small satellites, serving commercial and institutional space customers across Europe.



NEEDRONIX

Environmental Testing Services

Space environmental qualification testing for CubeSats and components — thermal vacuum (TVAC), vibration, shock, and EMC/EMI testing services with reporting.

Test typesTVAC, vibration, shock, EMC/EMI

FacilityIn-house test equipment

OutputFull test reports for mission assurance

CustomersOther satellite developers and component suppliers

price on request

NOFFZ Technologies is a German manufacturer of universal test and automation systems, including RF test platforms and GNSS signal simulators for aerospace, defense, and automotive applications.



NOFFZ TECHNOLOGIES

Automated Multi-Purpose Tester UTP 9085

Fully automated, multi-station rotary/indexing end-of-line test system for high-volume electronics production.

Handling	Automatic rotary/indexing table through multiple test/inspection stations
DUT capacity	Dual-DUT or multi-nest configurations
Optional modules	Optical pin/connector inspection, label printing and application, automated sorting
Instrumentation	Modular UTP instrumentation for various signal types and power requirements
Software	UTP Software Suite (sequencing, variant management, data logging, traceability, MES/IT con

price on request



NOFFZ TECHNOLOGIES

Board-Level Tester UTP 9011 RF

Quad-DUT board-level RF functional tester with shielded RF chamber and interchangeable adapters for connected-car components.

DUT capacity	Up to 4 DUTs tested in parallel
RF chamber attenuation	Up to 60 dB
Adapters	Interchangeable adapters for different DUT variants
Instrumentation	Integrable Universal Wireless Tester (UWT) or third-party RF instrumentation
Signal conditioning	Integrable Signal Conditioning Unit (SCU)

price on request



NOFFZ TECHNOLOGIES

CATR Radar Test System UTP 5069

Compact Antenna Test Range (CATR) radar test system for calibrating large 4D and imaging radar sensors in a small footprint.

Test technology	CATR (Compact Antenna Test Range) with integrated parabolic reflector
Footprint	< 3.5 m2 base area
Frequency range (target simulator)	75 GHz - 82 GHz
Bandwidth	Up to 5 GHz
Target simulation	One or multiple targets

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



NOFFZ TECHNOLOGIES

End-of-Line Tester UTP 6010 RF

Compact low-channel-count RF functional and end-of-line test system for automotive and IoT modules.

Test type	RF functional test, end-of-line / board-level (FKT/EOL)
DUT capacity	Single DUT (Single Device Under Test)
Typical DUTs	eCall modules, NAD modules, connected gateways, TCUs, IAMs
RF chamber	Integrated NOFFZ RF chamber UTP 5070
Automation	Manual or robot-operated adapter

[price on request](#)



NOFFZ TECHNOLOGIES

End-of-Line Tester UTP 9010 RF

Scalable dual/multi-DUT RF functional test system with shielded RF chambers for infotainment and connected-car modules.

Test type	Parallel RF functional test, EOL
DUT capacity	Two or more DUTs in parallel
Signal types tested	5G, BT, WLAN, V2X, BroadR-Reach, CAN, A2B audio
RF chamber	UTP 5070, up to 60 dB RF attenuation, for over-the-air (OTA) test
Voltage/current range	Up to 1 kV / up to 1 kA

[price on request](#)



NOFFZ TECHNOLOGIES

Multi-DUT Burn-In / Screening Tester UTP 9065

Highly parallel, scalable UTP test system for long-term functional testing, environmental screening, and burn-in of electronic assemblies.

Test type	Multi-DUT burn-in, screening, long-term functional test
Environmental range	Approx. -40 degC to +85 degC in climate chamber
Parallelization	Multiple DUTs tested simultaneously (example configs up to 8 DUTs parallel)
Software	UTP Software Suite (sequencing, variant management, data logging, MES/IT connectivity)
Example configuration	Two drawers with 28 modules, flexible interfaces, RF tests, PXI-based automation

[price on request](#)



NOFFZ TECHNOLOGIES Radar Test System UTP 5065

Compact near-field radar sensor test system with low-reflection absorber chamber for automotive radar validation and end-of-line test.

Test type	Direct near-field radar sensor test
Frequency range (target simulator)	75 GHz - 82 GHz
Bandwidth	Up to 5 GHz
Target simulation	One or multiple targets
Motion axes	2 axes (azimuth and elevation), optional goniometer or robot

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



NOFFZ TECHNOLOGIES Universal Wireless Tester (UWT)

The Universal Wireless Tester (UWT), jointly developed by NOFFZ and National Instruments (NI), is a flexible, cost-effective non-signaling RF test platform addressing the growing n

Standards supported	5G NR, LTE, WCDMA, GSM, V2X, 802.11 a/b/g/n/ac/ax/p, BT, BLE, UWB
Platform	NI PXI-based, open and software-centric
RF switch	NOFFZ UMX universal RF switch, 32 bidirectional DUT ports, integrated signal conditioning
Scalability	Up to 128 RF channels using up to four NI vector signal transceivers and four UMXs
Additional capability	Waveform generation for GNSS and broadcast radio

[price on request](#)

OhmSpace

ITALY · 2020 · 1 PRODUCT

Italian electric propulsion startup developing water-propelled resistojet thruster systems for nanosatellites and microsatellites, offering a safe, low-cost, and high-performance propulsion solution.



OHMSPACE High-Vacuum Testing Service

Specialized vacuum chamber testing service available to external customers, achieving pressures down to 1×10^{-6} mbar for space component qualification and thruster characterization.

Minimum pressure	1×10^{-6} mbar
Facility type	High vacuum chamber
Use cases	Thruster testing, component qualification, outgassing, functional vacuum testing

[price on request](#)

US defense and technology prime contractor providing space systems engineering, missile defense integration, space domain awareness, and ground system development for US government programs.



PARSONS SPACE

Dynamic Spectrum Environment Emulator (DYSE®)

DYSE® is an RF channel emulator that simulates realistic RF environments, including congested and contested conditions, for testing and evaluation of RF systems.

Tuning range	up to 20 GHz
IBW	>1 GHz
Path delay	>1 sec
RF paths	Up to 1024
Interconnection	Full-mesh

price on request

San Francisco-based manufacturer of flight-proven CubeSat kits, SUPERNOVA nanosatellite buses, and spacecraft power/electronics components, with over 150 kits delivered and dozens of successful space missions since 2003.



PUMPKIN, INC.

Flight Switch Simulator Module

A CubeSat Kit test module that simulates one Remove-Before-Flight switch and up to three separation switches, electrically compatible with common CubeSat EPS designs.

Simulated RBF switches	1
Simulated Separation switches	Up to 3
Switch logic combination	AND / OR via user-settable jumpers
Bus compatibility	104-pin CubeSat Kit Bus standard
Includes	One fully assembled Flight Switch Simulator Module

\$425



PUMPKIN, INC.

JFPC-C8051 Programming Adapter

A programming/debug adapter cable that connects a Silicon Labs USB Debug Adapter to a Pluggable Processor Module (PPM) B1 in a CubeSat Kit.

SKU	710-00488
Connector A	2x5 0.100" pitch header (10-pin JTAG, mates with Silicon Labs USB Debug Adapter)
Connector B	8-pin flat printed circuit cable (FPC)
Hardware Class	Development Hardware
Used With	Pluggable Processor Module (PPM) B1 / Silicon Labs USB Debug Adapter

\$50 [datasheet](#)



PUMPKIN, INC.

JFPC-MSP430 Programming Adapter

A programming/debug adapter cable that connects a TI MSP430 Flash Emulation Tool (FET) to a Pluggable Processor Module (PPM) A1/A2/A3 in a CubeSat Kit.

SKU	634-00334
Connector A	2x7 0.100" pitch header (14-pin JTAG, mates with TI MSP430 FET)
Connector B	8-pin flat printed circuit cable (FPC)
Hardware Class	Development Hardware
Used With	Pluggable Processor Module (PPM) A1 / A2 / A3

\$50 [datasheet](#)



PUMPKIN, INC.

JFPC-PIC24 Programming Adapter

A programming/debug adapter used to connect a Microchip In-Circuit Debugger (ICD 3) or PICKit programmer to a CubeSat Kit Pluggable Processor Module (PPM D1/D2/E1).

SKU	710-00540
Price	\$50.00 per item
Hardware classification	Development Hardware
Connector 1	6-pin RJ-11 jack (for ICD 3 phone-style cable)
Connector 2	6-pin flat printed circuit (FPC) cable

\$50 [datasheet](#)



PUMPKIN, INC.

Load Board

A CubeSat Kit Accessories module (Load Board A) sold by Pumpkin for use during CubeSat integration and test.

SKU	711-00651
Price	\$255.00
Category (site breadcrumb)	CubeSat Kit Accessories
CAD/Datasheet file name (no link provided)	Load Board A

\$255



PUMPKIN, INC.

Load Module

A CubeSat Kit accessory module that exposes VBATT, +5V_SYS and VCC_SYS power buses on banana jacks and connectors for drawing or injecting test power.

VCC_SYS	+3.3V
+5V_SYS	+5.0V
VBATT	8-28V depending on application
Connectors	Banana jacks (x3 pairs); two 8-pin Harwin M80 connectors (J391, J390)
Configurable resistors	R1 (routes H2 pins 39/40 to J390), R2 (routes H2 pins 51/52 to J390) -- one fitted at fact

price on request



PUMPKIN, INC.
Rackmount SUPERNOVA Satellite Simulator (RS3)

A low-cost, portable 2U rackmount satellite simulator hosting a SUPERNOVA-based satellite simulator electronics stack running a stripped-down version of Pumpkin's flight-proven GUT

Form factor	2U rackmount unit
Flight software	Stripped-down version of Pumpkin's flight-proven GUTS FSW, option /01 included at no charge
Expansion	Up to three additional compatible 104-pin modules with I2C, SPI, RS232 or GPIO interfaces
Optional power supply	150 W power supply option to stand in for an EPSM1
Optional GNSS receiver	Available as additional-cost option

\$45 000 – \$60 485



PUMPKIN, INC.
Silicon Labs USB Debug Adapter

A USB-based JTAG debug adapter for programming and debugging Silicon Labs C8051-family microcontrollers used in Pumpkin's CubeSat Kit development hardware.

SKU	633-00489
Hardware Class	Development Hardware
Compatible With	Silicon Labs C8051F120 (PSPM B / PPM B1); JFPC-C8051 Programming Adapter

\$100 [datasheet](#)



PUMPKIN, INC.
Total Phase Beagle I2C/SPI Protocol Analyzer

A Total Phase Beagle I2C/SPI Protocol Analyzer offered by Pumpkin Space as a CubeSat Kit accessory for bus-level debugging.

SKU	634-00522
Price	\$495.00

\$495 [datasheet](#)



PUMPKIN, INC.
USB Debug Adapter

A USB-to-serial debug adapter that provides a debugging terminal interface and optional power to Pumpkin CubeSat Kit modules via a 4-pin FPC connector.

Connector	4-pin FPC serial terminal/debug connector
I/O logic level	Selectable 3.3V (default) or 5V
Power output	3.3V or 5V to connected device
Interface type	USB serial (USB-to-serial)
Product type	Development Hardware

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



PYXIS SPACE

EGSE Box & Software

The Pyxis Space EGSE Box & Software package provides a complete Electrical Ground Support Equipment solution for testing, characterizing, and qualifying Pyxis Space ADCS compon

PC Interface	USB
Software functions	Control, visualization, measurement analysis, firmware updates
Compatible products	All Pyxis Space ADCS sensors and actuators
Price	€5,000

€5 000

Quadsat ApS

DENMARK · 2017 · 4 PRODUCTS

Danish pioneer of drone-based RF testing and antenna measurement solutions for satellite antennas and electronic warfare, enabling cost-effective SATCOM ground segment testing without satellite access.



QUADSAT APS

QS RF Locator

Drone-based RF direction-finding system that locates sources of RF interference, RFI, and signal degradation on ground station antennas in real time.

Function	Drone-based RF interference localization
Platform	Autonomous UAV (drone)
Capability	Spatial triangulation of RFI sources
Use Case	Interference diagnosis at satellite ground stations
Integration	Quadsat cloud analytics platform

price on request



QUADSAT APS

QS RF Measurement System (QS 1-18 DL)

UAV-based RF antenna measurement system for satellite ground stations, covering 1–18 GHz (downlink), providing far-field pattern data without shutting down live links.

Frequency Range	1–18 GHz
Link Direction	Downlink (DL)
Measurement Method	UAV-based far-field pattern measurement
Platform	Autonomous UAV (drone)
Applicable Bands	L, S, Ku-band

price on request



QUADSAT APS

Quadsat Antenna Measurement System

Drone-based satellite antenna test and calibration system supporting the full antenna lifecycle, tailored for LEO and multi-orbit terminals.

Measurement capabilities	Pointing accuracy, tracking and handover, radiation pattern raster and cut, cross-polar di
Antenna types supported	Multi-beam, flat-panel, electronically steerable (LEO and multi-orbit)
Lifecycle coverage	Manufacturing QC, vendor type approval, factory/site acceptance testing, in-situ deployment
Test platform	Drone-mounted satellite signal emulator

price on request



QUADSAT APS

SatSim — Satellite Pass Emulator

UAV-based satellite pass emulator that flies real orbital trajectories for LEO/MEO satellites, enabling end-to-end RF link testing and autotracking validation against live-equivalents.

Function	Orbital trajectory emulation via UAV
Supported Orbits	LEO and MEO
Trajectory Input	TLE-based or custom pass definition
Test Capabilities	Autotracking, Doppler compensation, link budget, scheduling
Link Directions	Uplink and downlink

price on request

Radian Aerospace

UNITED STATES · 2015 · 1 PRODUCT

Radian Aerospace designs and manufactures fully-reusable orbital mission platforms and reentry vehicles for routine and affordable space access.



RADIAN AEROSPACE

Radian Reusable Reentry Vehicle (R3V)

The Radian Reusable Reentry Vehicle (R3V) is a modular, aerodynamically controlled, and recoverable vehicle designed to test advanced materials, sensors, avionics, and thermal protection.

Flight profiles	High-speed, high-stress (launch through hypersonic transition, reentry, and targeted landing)
Maximum speed	Exceeding Mach 5
Thermal Protection System	Radian's patent pending Durable-Therm

price on request

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense, including optical imaging, sun sensors, solar arrays, and spacecraft p



REDWIRE CORPORATION
Redwire Sun Sensor Stimulator System

Ground test stimulator system using infrared LEDs to optically verify sun sensor functionality, sun angles, and flight harnesses.

Stimulus type	Infrared LED illumination per sun sensor cell
Control panel power	120-240 VAC, 50/60 Hz
Effective operating temperature	-30C to +60C
Vacuum compatibility	Yes, vacuum-chamber compatible
Test functions	Sun angle, sun presence, spin pulse, aliveness, harness verification

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

Robinson Aerospace Systems provides hands-on educational CubeSat kits and STEM solutions for schools, universities, and businesses globally, aiming to inspire and educate students in space technology.



ROBINSON AEROSPACE SYSTEMS
Test Bench for RASCube Modules

The CubeSat Test Bench allows for easy testing and prototyping of RASCube modules by laying them out like a 'flatsat'. It connects modules as if they were stacked, and is available

Compatibility	RASCube V1, V2 and LB
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[price on request](#)

Swiss-Swedish space components manufacturer providing satellite structures, thermal control products, payload electronics, and antennas for commercial

and institutional programs.



RUAG SPACE
GSE Clampband

Ground support equipment clampband connecting spacecraft interface rings to test adapters during AIT, in PAS 937 S, 1194 VS and 1666 MVS sizes.

Clampband PAS 937 S	Manufactured per Ariane 5 User's Manual (Issue 5 Rev 2), Soyuz User's Manual (Issue 2 Rev
Clampband PAS 1194 VS	Manufactured per Ariane 5 User's Manual (Issue 5 Rev 2) and Soyuz User's Manual (Issue 2 R
Clampband PAS 1666 MVS	Manufactured per Ariane 5 User's Manual (Issue 5 Rev 2) and Soyuz User's Manual (Issue 2 R
Units delivered	More than 50 GSE clampbands
Services	In-house proof load testing without dummy equipment

price on request [datasheet](#)



RUAG SPACE
MPT-G Multi-Purpose Trolley Giga

Tiltable and rotatable MGSE trolley supporting spacecraft during horizontal or vertical integration, with a full set of EC safety interlocks.

Motion	Table tilts and rotates to any attitude between spin axis vertical and horizontal
Spacecraft interface	Transport and Handling Adapter (THA) or other test adapters
Materials	Aluminium alloy or carbon steel
Safety	EC-compliant interlocks: no rotating while tilting, no tilting while rotating, key-switch
Units delivered	Over 80 Multi-Purpose Trolleys in Europe and the USA

price on request [datasheet](#)



RUAG SPACE

Satellite Transport and Shipping Containers

Pressurized and non-pressurized spacecraft containers with thermal control, dynamic damping and air filtering, certified for air transportation.

Container types	Hat-off, tilt-lid, door-type roll-in, large An124-compatible, constellation-type
Thermal control	Full active and passive thermal control
Environmental control	Air filtering and drying or N2 purging
Constellation container temperature	19-25 degrees C during operation, -40 to 45 degrees C during transport
Constellation container humidity	Below 65% relH during operation, up to 100% relH during transport

price on request



RUAG SPACE

SCO-M Spacecraft Container Mega

Large-format spacecraft transport container from Beyond Gravity's spacecraft container line, for the biggest geosatellites and deep space spacecraft.

Product line	Beyond Gravity spacecraft containers (SCO)
Thermal control	Full active and passive thermal control
Environmental control	Air filtering and drying or N2 purging
Transport modes	Road, air, long-term storage; certified for air transportation on a wide range of aircraft

price on request

[datasheet](#)



RUAG SPACE

Spacecraft Lifting Devices

Electrical or manual lifting devices for instruments and spacecraft of all sizes, with fixed or convertible hoisting axis and optional CoG adjustment.

Actuation	Electrical or manual
Hoisting axis	Fixed, or convertible between horizontal and vertical configuration
Options	Remote control for lifting, centre-of-gravity adjustment
Range	From small instruments to very large spacecraft

price on request

German manufacturer (Wuerzburg) of pico/nanosatellite subsystems and tailored small satellite systems, with flight heritage tracing back to the first German pico-satellite UWE-1.



S4 - SMART SMALL SATELLITE SYSTEMS GMBH
UNISEC Europe Bus Starter Kit

Development kit for the standardized UNISEC Europe CubeSat bus, providing a satellite development board, subsystem prototype, and software starter kit for rapid CubeSat prototyping

Satellite bus connector	Compact/robust backplane, redundant power + high/low-speed digital buses, dedicated reset/
External debug interface	UART via USB bridge; JTAG, SBW, SWD programming/debugging; USB power supply (5V, 3.3V, unr
Power control circuit	OBC-controlled via redundant I2C, power switch, voltage/current monitoring, over/under-vol
Interface control circuit	Selective bus isolation, prevents current leakage during partial power down, OBC-controlle

price on request [datasheet](#)

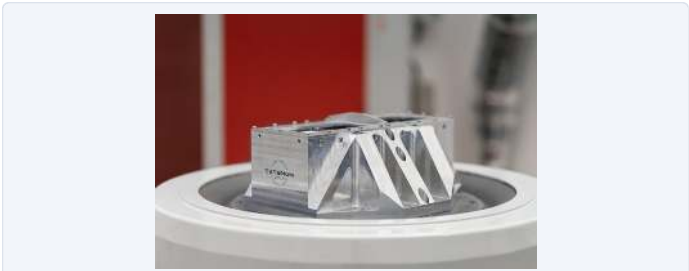
Serenum Space

SERENUM Space is a CubeSat component and BUS manufacturer, integrator, and service provider based in Brno, Czech Republic, and a commercially oriented subsidiary of VZLU AEROSPACE.



SERENUM SPACE
CubeSat Mechanical Ground Support Equipment (MGSE)

Integration jigs, vibration test pods, transport boxes, and display cases for 1U-8U CubeSats.



SERENUM SPACE
Satellite Qualification & Acceptance Testing Services

Full-spectrum spacecraft environmental qualification and acceptance testing: vibration, shock, thermal-vacuum, and cleanroom services.

Vertical/Horizontal Support Jig material	Aluminium 2025, PA/PEEK clamps, Anodized/Alodine 1200 surface
Vertical Support Jig mass	1.170 kg
Vertical Support Jig size	220 x 220 x 87 mm
Vibration Jig sizes supported	1U, 2U, 3U, 6U, 8U
Vibration Jig material	Aluminium 7075, no treatment or anodized
price on request	

Mechanical test types	Resonance search, quasistatic, sine, random, shock
TV chamber volume	1000 x 1000 x 1000 mm
TV tunnel extension	10 m x 200 mm diameter
Max part dimensions (TV chamber)	950 x 870 x 780 mm
Vacuum level	< 10 ⁻³ Pa
price on request	

Sisir Radar

INDIA · 2021 · 3 PRODUCTS

Indian spacetechnology company building the world's highest resolution L & P band Synthetic Aperture Radar (SAR) payloads for satellites, aircraft and drones, plus Ground Penetrating Radar and hyperspectral imaging systems.

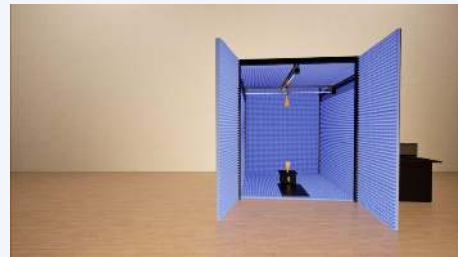
SISIR RADAR

HFF-AMF InnoWave 4 (Horizontal Far Field Antenna Measurement Facility)

Portable horizontal far-field antenna measurement facility delivering real-time 3D antenna radiation pattern and gain measurements.

Angular Precision	0.45 deg
Frequency Range	Customisable
Measurement Time (Per Plane)	5 minutes
Standard Dimension (L x W x H)	14 ft x 2 ft x 3 ft (customisable)

price on request [datasheet](#)



SISIR RADAR

NF-AMF Hexahedron (Near Field Antenna Measurement Facility)

Fully automated near-field antenna measurement system with anechoic chamber, 5 mm scan spacing and far-field projection.

Maximum Scanning Area	1.5 m x 1.5 m
Scan Speed	100 scan points, 5 cm spacing (10x10), in 4 minutes
Scanning System	Horizontal Planar Measurement System
Provided Antenna RF Cable Length	5-8 m
Height	Adjustable as required

price on request [datasheet](#)

SISIR RADAR

VFF-AMF InnoWave 4 (Vertical Far Field Antenna Measurement Facility)

Vertical far-field antenna measurement facility for real-time antenna radiation pattern and gain measurement over the full frequency range.

Angular Precision	0.45 deg
Frequency Range	Customisable
Measurement Time (Per Plane)	5 minutes
Standard Dimension (L x W x H)	9 ft x 9 ft x 12 ft (customisable)

price on request [datasheet](#)

SkyLabs is a Slovenian space-technology company that designs and manufactures miniaturized, fault-tolerant on-board data handling, communications, power, ADCS/GNC and EGSE equipment for small satellites.



SKYLABS D.O.O.

skyEGSE-comm (S-band)

Ground station equipment for CCSDS-compliant, full-duplex communication over S-band RF link with NANOLink-2 equipment.

Type	CCSDS-compliant SDR ground station equipment
Frequency range	S-band
Error correction	Convolutional and Reed-Solomon codes
Compatible with	NANOLink-2, skyEGSE-GUI, NANOskey CMM SDK

price on request



SKYLABS D.O.O.

skyEGSE-comm (UHF/VHF)

Ground station equipment for CCSDS-compliant, full-duplex communication over UHF/VHF RF link with NANOcomm-2 equipment.

Type	CCSDS-compliant SDR ground station equipment
Frequency range	UHF/VHF
Error correction	Convolutional and Reed-Solomon codes
Compatible with	NANOcomm-2, skyEGSE-GUI, NANOskey CMM SDK

price on request



SKYLABS D.O.O.

skyEGSE-LINK2

USB interface dongle for high-speed, low-latency communication over CAN/LVDS/RS422 interfaces.

Standard	IPC Class 3+
MAIT	In-house
Interfaces	Two CAN buses, two high-speed LVDS (TIA/EIA-644), two RS422 (TIA/EIA-422)
Connectivity	USB Plug-n-Play

price on request

San Jose, CA company pioneering plasma jet printing for direct-write conformal electronics manufacturing on complex 3D surfaces, with applications in space, aerospace, and in-space manufacturing.



SPACE FOUNDRY

PJP-CP26 Conformal Printer

Plasma jet printer for direct-write electronics on curved and complex 3D surfaces -- antennas, frequency-selective surfaces, and RF structures.

Process	Single-step atmospheric-pressure plasma jet printing, no pre- or post-treatment
Substrate type	Curved, vertical, and complex 3D surfaces
Applications	Printed antennas, frequency selective surfaces, IML/OML printing, sensors and RF structure
Target markets	Aerospace & defense, automotive

price on request

datasheet



SPACE FOUNDRY

PJP-DT155 Desktop System

Compact plasma jet printing platform for R&D, process development, and proof-of-concept multi-material printing on planar surfaces.

Process	Single-step atmospheric-pressure plasma jet printing, no pre- or post-treatment
Target use	Corporate R&D, university research, process development
Substrate type	Planar surfaces
Materials	Copper, silver, and dielectric inks

price on request

datasheet



SPACE FOUNDRY

Robotic Arm Integration Printer

Plasma jet print head integrated onto a robotic arm for conformal printing on complex 3D aerospace parts, including upside-down and OEM-integrated printing.

Process	Single-step atmospheric-pressure plasma jet printing, orientation independent
Integration	Robotic arm-mounted print head, OEM integration supported
Applications	Complex 3D parts, upside-down printing, aerospace manufacturing

price on request

SPiN (Space Products and Innovation) develops MA61C, a plug-and-play intelligent Command and Data Handling (C&DH) node that lets satellite manufacturers integrate subsystems from different suppliers without custom engineering, cutting design



SPACE PRODUCTS AND INNOVATION (SPIN)	
MA61C EGSE	
Plug-and-play Electronic Ground Support Equipment for monitoring and commanding satellite subsystems directly from a PC over USB.	
Interfaces supported	SpaceWire, I2C, CAN, UART, MIL-STD-1553, GPIO
Host interface	USB
Software	Integrated API and Windows GUI for commanding and monitoring

price on request [datasheet](#)

SPACERACE s.r.o.

Czech company (Brno) developing non-explosive, rapidly resettable hold-down and release actuators and initiation electronics for ground testing and qualification of spacecraft mechanisms.



SPACERACE S.R.O.	
ATLAS ICU (Initiation Control Unit)	
PC-controlled current-pulse generator and control electronics for synchronized initiation of release actuators in ground testing.	
Actuation steps	Activation, arming, fire
Power source	50 A / 12 V / 600 W
Number of actuators	Up to 5 actuators (10 power lines)
Arming current	0.125 A
Status monitoring	LED and software

price on request [datasheet](#)

Spartan Space



SPARTAN SPACE

CANDELABRA

Precision artificial sun simulator for the ESA-DLR LUNA Analog Facility in Cologne, replicating the grazing-angle, high-contrast lighting conditions of the lunar south pole over a

System type	Artificial sun simulator / precision lighting array
Simulated environment	Lunar south pole lighting conditions
Coverage area	30 × 20 m
Lighting characteristics	Grazing incidence angles, tunable intensity, deep polar shadow patterns
Control system	Advanced programmable, tunable illumination

price on request

datasheet

SpinLaunch

UNITED STATES · 2014 · 1 PRODUCT

SpinLaunch develops a kinetic (non-combustion) launch system that uses a rotating vacuum-sealed accelerator to hurl launch vehicles toward space, and operates Meridian Space, a low-cost LEO satellite communications constellation business.



SPINLAUNCH

SpinLaunch Suborbital Accelerator

A 33-meter vacuum-chamber test and qualification system at Spaceport America that launches payloads at 800-5,000 mph, serving as SpinLaunch's development platform and as a satellit

Vacuum chamber span	33 meters
Test payload velocity range	800-5,000 mph
Location	Spaceport America, New Mexico, USA
Use cases	Development test flights, customer payload testing, satellite qualification, lunar-environ

price on request

SPUTNIX is a Russian manufacturer of nanosatellite and microsatellite platforms, onboard subsystems and ground infrastructure, operating as a subsidiary brand of Sitronics Group.



SPUTNIX
Aerotable test bench for mutual movement of spacecraft

A frictionless air-bearing table for testing relative-motion, docking, and multi-satellite GNC algorithms.

Overall dimensions	5000x4000x3000 mm
Active area dimensions	1860x2480 mm
Platform carrying capacity	up to 10 kg
Working clearance between table surface and platforms	up to 0.5 mm
Working body	atmospheric air

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



SPUTNIX
Anechoic chamber

A modular, on-site-assembled anechoic chamber (200 MHz-45 GHz) for antenna pattern and EMC testing.

Working volume	not less than 2x2x2 m
Anechoic volume	0.7x0.7x0.7 m
Doorway dimensions	at least 1.9x1.9 m
Anechoic level	at least 20 dB (400-440 MHz range)
Shielding level	at least 40 dB (400-440 MHz range)

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



SPUTNIX
SXL-AC-01 Anechoic Chamber

Anechoic chamber for testing spacecraft transceiver chains, antenna-pattern measurement, EMC testing and other purposes. Operates from 200 MHz to 45 GHz and is mobile, with a radio

Type	Mobile anechoic (EMC) chamber
Frequency range	0.2-45
External dimensions	≥ 2 × 2 × 2
Anechoic volume	0.7 × 0.7 × 0.7
Door opening	≥ 1.9 × 1.9

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

SSBV Aerospace & Technology Group was a Dutch-led, technology-driven group of companies providing space and defence hardware, including smallsat subsystems, ground station equipment, and precision airdrop systems.



SSBV AEROSPACE & TECHNOLOGY
TM/TC IPU (Telemetry & Telecommand Interface Unit)

Telemetry and telecommand interface unit for satellite Electrical Ground Support Equipment (EGSE).

price on request

Surface Optics Corporation

US manufacturer of optical measurement instruments, hyperspectral imaging systems, and thermal control coatings, founded 1977 in San Diego by former Apollo-program aerospace engineers.



SURFACE OPTICS CORPORATION
410-DHR Reflectometer

A portable directional-hemispherical reflectometer that measures the integrated infrared surface reflectance of large objects in the field at two angles of incidence across six wav

Measurement type	Integrated directional-hemispherical reflectance
Angles of incidence	20° and 60°
Wavelength bands	Six bands
Spectral range	0.9 to 12 μm
Interface	SOC410-DHR touchscreen interface with guided calibration, sample identification, and measu

price on request [datasheet](#)



SURFACE OPTICS CORPORATION
SOC-100 Hemispherical Directional Reflectometer

The SOC-100 HDR is an automated reflectometer that measures polarized, angular diffuse reflectance, transmittance, and directional emittance in the 2.0 to 25.0 μm spectral range, o

Spectral Range	2.0 – 25.0 λ (μm) / 5000 – 400 cm-1 Range can be modified based on FTIR optics.
Method	Automated reflectometer 18" electroformed hemiellipsoid mated to Thermo Scientific™ Nicole
Calibration	Comparison of scans of the specimen sample and calibrated specular gold standard at each a
Source	A custom heated cavity provides uniform 2π steradian radiation into the subtended hemielli
Resolution	Depending on data requirement: 2, 4, 8, 16, or

32 cm-1 resolution may be employed.

price on request

[datasheet](#)



SURFACE OPTICS CORPORATION

SOC-210 Bidirectional Reflectometer

The SOC-210 BDR is an automated goniometer designed for precise and comprehensive measurement of Bidirectional Reflectance Distribution Function (BRDF) and Bidirectional Transmittance.

Spectral range	0.35-14 micron
Incident polar angle	0-85 degrees
Incident azimuth angle	0-360 degrees
Reflected polar angle	0-85 degrees
Reflected azimuth angle	0-360 degrees

price on request

[datasheet](#)

TechTheMoon

FRANCE · 2021 · 1 PRODUCT

The world's first incubator dedicated exclusively to the Moon, backed by CNES, supporting entrepreneurs developing solutions for sustainable human presence on the lunar surface.

TECHTHEMOON

Anyfields Fieldisplay — Antenna EM Radiation Visualizer

Fieldisplay, developed by Anyfields and incubated through TechTheMoon, is a system for visualizing electromagnetic radiation and measuring antenna performance. As connected systems

Function	Electromagnetic radiation visualization and antenna performance measurement
Applications	Satellites, drones, IoT devices, connected/autonomous machines
Measurement type	Radiation pattern, antenna gain, performance metrics

price on request

Czech mission integrator and space hardware builder behind the CAVE CubeSat deployer, TRONE/CRUSOE EGSE, and the TRACE/TROLL NG/TRULY satellite missions.



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

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+

price on request

Italian space imaging and avionics company in Pozzuoli; cameras, focal plane arrays, image compression, OBCs, C&DH systems, power management, and ground segment equipment.



TSD - SPACE
EGSE and SCOE Ground Test Equipment

Family of Electrical Ground Support Equipment and Special Check-Out Equipment supporting numerous ESA and ASI missions.

Programs supported	PRISMA, SENTINEL-3, ISS EML, SAR-LUPE, ARGO, FOTON, VIRTIS/Rosetta/Venus Express, USV, TEX
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price on request

Chinese manufacturer of high-precision star trackers, sun sensors, star simulators, and attitude control modules for satellites, with over 1,000 units flown



TY-SPACE TECHNOLOGY

Dynamic Star Simulator DSS-25

Ultra-compact TY-Space Dynamic Star Simulator (DSS-25) designed for all function and performance testing of star trackers mounted on satellites.

Field Of View	20x20 deg
Magnitude	2 to 6.5 Mv
Accuracy	30" [3sigma]
Update Rate	>= 40 Hz
Resolution	2560x2560

price on request



TY-SPACE TECHNOLOGY

Dynamic Star Simulators (DSS-14)

The TY-Space Dynamic Star Simulators (DSS-14) is an instrument designed for function and performance testing of star trackers, offering adaptability to various star tracker brands.

Field Of View	20°×20°
Magnitude	2 ~ 6.5 Mv
Accuracy	30" [3σ]
Update Rate	≥ 40Hz
Resolution	1440 × 1440

price on request



TY-SPACE TECHNOLOGY

Dynamic Test System

TY-Space Dynamic Testing System (DTS) is mainly formed by a star tracker, a Dynamic Star Simulator (DSS), and an image acquisition system for satellite semi-physical simulation test.

Dynamic Star Simulator	Receives quaternion from simulator computer; outputs real-time star field for satellite se
Star Tracker - Attitude Accuracy (pointing/rolling)	3"/50" [3sigma]
Image Acquisition System	Image acquisition, real-time display and storage

price on request



TY-SPACE TECHNOLOGY

Optical Star Pattern Simulator (OSPS)

The TY-Space Optical Star Pattern Simulator (OSPS) is a static star simulator designed for testing the function and performance of star trackers, including in environmental experim

Field Of View	15°×15°
Number of Stars	>15
Sky District	North Pole Area / Customization
Optics / Illumination	Collimating / LED
Dimension	Φ65mm×73mm

price on request



TY-SPACE TECHNOLOGY

Static Test System

TY-Space Static Star Testing System (SSTS) is mainly formed by a star tracker, an Optical Star Pattern Simulator (OSPS), and an image acquisition system.

Optical Star Pattern Simulator	Static star simulator, North Pole Area/Customization
Star Tracker - Attitude Accuracy (pointing/rolling)	3"/50" [3sigma]
Image acquisition system	Image acquisition, real-time display and storage

price on request

VACCO Industries

UNITED STATES · 1954 · 1 PRODUCT

US manufacturer of precision fluid control components and integrated propulsion systems for spacecraft, with 70+ years of heritage. Products include micro propulsion systems, valves, pressure regulators, and CubeSat propulsion modules.



VACCO INDUSTRIES

VACCO ΔTEL Differential Pressure Indicator

A differential pressure indicator that provides visual or remote warning when a filter element is nearing the end of its service life, designed for reliability and high G-load tran

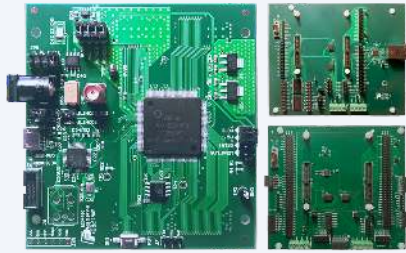
Material	Aluminum (std), Corrosion Resistant Steel (optional)
Seals (Electrometric)	Buna "N" (std), Viton (std), EPR (std), Others Upon Request
Operating Pressure	5,000 psig
Proof Pressure	7,000 psig
Burst Pressure	12,500 psig

price on request [datasheet](#)

VORAGO Technologies

UNITED STATES · 2012 · 1 PRODUCT

VORAGO Technologies designs radiation-hardened ARM microcontrollers and processors for space and extreme-environment applications using patented HARDSIL technology.



VORAGO TECHNOLOGIES

PEB1 VA416X0 Radiation-Hardened MCU Development Kit

The VORAGO PEB1 is the primary development and evaluation platform for the VA416X0 family of radiation-hardened ARM Cortex-M4 microcontrollers (VA41620 and VA41630). The kit compri

Target MCU Options	VA41620 or VA41630 (ARM Cortex-M4, HARDSIL)
SBC Dimensions	3.15 x 3.3 inches
Boot NVM (SBC)	256 KB SPI FRAM
Clock Generation	20 MHz - 80 MHz programmable
Crystal Oscillator	10 MHz

price on request

WiRan

POLAND · 2002 · 1 PRODUCT

Polish RF/microwave company in Gdynia, founded 2002; L/S/X/Ku-band components, space-grade diplexers and filters, and EMC testing laboratory services.



WIRAN

S-Band Test Cap

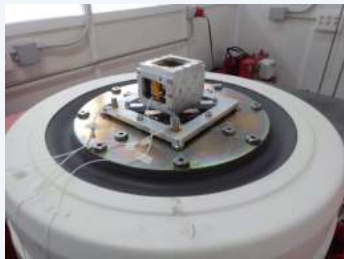
The WiRan S-Band Test Cap is a precision-engineered accessory for full-duplex testing of S-band antennas on satellites, operating within the 2025–2290 MHz frequency range.

Frequency range	2025-2290 MHz
Return Loss	>15 dB
Gain	Avg. -25 dB
Flatness	±2 dB
Power Handling	10 Watt

price on request

[datasheet](#)

PocketQube deployer and vibration test equipment maker, plus mechanical engineering consultancy for small-satellite developers.



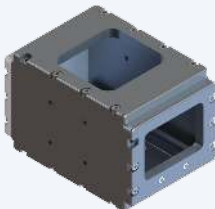
WYRM ENGINEERING

1.5P VibePOD

The 1.5P VibePOD is a test fixture designed for random vibration testing of 1.5P Pocketqubes, qualified to NASA GEVS7000 standards.

Dimensions w/o plate	98mm x 96mm x 117mm
Dimension of adapter plate	230mm x 230mm x 14mm
Mass (Dry)	1.1kg
First mission	2020 EASAT-2 1.5P
Qualification	NASA GEVS7000 in 2020

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



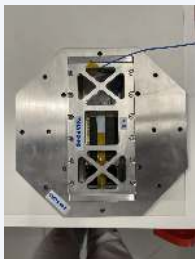
WYRM ENGINEERING

2P VibePOD

An open-source 2P CubeSat-format vibration test pod used to mechanically qualify a Payload Qualification (PQ) unit during vibration testing.

Dimensions w/o plate	147mm x 98mm x 96mm
Dimension of adapter plate	230mm x 230mm x 10mm
Mass (Dry)	1.3kg
First mission	Awaiting to be qualified.

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



WYRM ENGINEERING

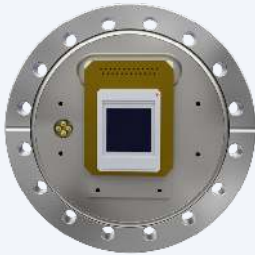
3P Vibe POD

The 3P Vibe POD is an open-source vibration testing fixture designed to qualify 3-unit CubeSat Payloads (3P PQ) by simulating launch environment vibrations.

Dimensions w/o plate	211mm x 98mm x 96mm
Dimension of adapter plate	330mm x 330mm x 10mm
Mass (Dry)	1.6kg
First mission	Awaiting to be qualified.

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

XCAM designs space-qualified CubeSat cameras, scientific X-ray detectors, in-vacuum cameras, and particle fallout monitors for space and scientific research applications.

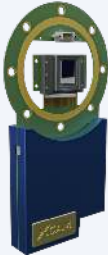


XCAM
CAVACam

Customisable CCD/EMCCD vacuum camera system for UHV/XHV environments, available in flange-mounted or hermetically sealed immersible configurations.

Vacuum Compatibility	UHV / XHV / UCV
Detector Types	CCD, EMCCD
Illumination	Front-illuminated (FI) and back-illuminated (BI)
Readout Speed	Up to 3 MHz
Readout Channels	Up to 4

price on request

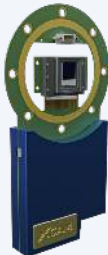


XCAM
Detector Evaluation Systems

Imager Control Systems for evaluating Teledyne e2v CIS120, CIS125, CIS300, and ChromaD scientific imaging sensors with Camera Link, Ethernet, and USB 3 interfaces.

CIS 120 Sensor Format	2048 x 2048 pixels
CIS 120 Pixel Size	10 µm
CIS 120 Illumination	Back-illuminated (visible, UV, EUV)
CIS 120 Noise	3 e ⁻ RMS
CIS 120 Data Interface	Camera Link

price on request

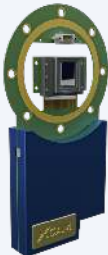


XCAM
Imager Control System (ICS)

The Imager Control System (ICS) is an electronic interface for managing and operating imaging sensors, providing precise power, current, and voltages for reliable function and enab

Sensor	Teledyne e2v 'Capella', 2k x 2k back-illuminated, 10 µm pixels
Applications	Visible, UV, and EUV
Noise	3 e ⁻ rms
Data Interface	Camera Link
Software	Python code included

price on request



XCAM
Imager Control System (ICS) for Detector Evaluation

The Imager Control System (ICS) is an electronic interface for managing and operating imaging sensors, providing precise power, current, and voltages for reliable function and enab

Sensor	Teledyne e2v CIS 300
Format	Up to 9k x 9k pixels
Data Lines	12
Thermal	Temperature sensing, thermal control connectivity
Data Interface	USB 3

price on request



XCAM

PFO 1040

Real-time particle fallout monitor for cleanrooms using Direct Particle Detection (DPD) technology, sampling 4 cm² at up to 10 samples per hour.

Total Detection Area	4 cm ²
Sample Rate	10 per hour
Particle Detection Range	5 to >750 µm
Operating Temperature	+20 to +35 deg C
Housing Material	Aluminium

price on request



XCAM

Space PFO

ESA-funded autonomous particulate contamination monitor for space launch vehicle fairings, detecting particles from 5 µm during ascent.

Total Detection Area	4 cm ²
Sample Rate	Every 10 seconds (minimum)
Minimum Detectable Particle Size	5 µm (100% detection)
Maximum Detectable Particle Size	>750 µm
Data Acquisition Lifetime	>=254 seconds

price on request



XCAM

VacCam

Compact USB in-vacuum video camera for monitoring processes inside vacuum chambers, rated to 10e-6 mbar with built-in LED illumination.

Dimensions	50 x 50 x 60 mm (excl. lens and USB connector)
Image Sensor	1.3 MP CMOS, 1/1.8 inch format, RGB or B&W
Pixel Size	5.5 µm
Lens Mount	C-mount, wide-angle fixed focus
Wavelength Range	400-1000 nm

price on request

Chinese Academy of Sciences research institute in Xi'an developing space optics, precision photonic instruments, and optical remote sensing payloads for China's satellite and space programs.



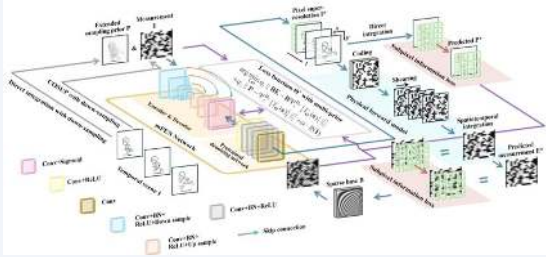
XI'AN INSTITUTE OF OPTICS AND PRECISION MECHANICS (XIOPM)

Small Space Environment Simulation System

Compact space environment simulation chamber for thermal-vacuum testing of optical instruments and payloads.

Type	Thermal-vacuum space environment simulation chamber
Conditions	Vacuum + thermal cycling (cryogenic to elevated temperature)
Application	Component and subsystem-level space qualification testing
Optional	UV/radiation exposure capability (configuration-dependent)
Purpose	Pre-launch environmental verification of optical payloads

price on request



XI'AN INSTITUTE OF OPTICS AND PRECISION MECHANICS (XIOPM)

Ultra-High-Speed Streak Camera

Ultra-high-speed streak cameras for transient optical phenomena, laser diagnostics, and space instrument characterization by XIOPM.

Technology	Photoelectric streak tube with CCD/CMOS readout
Time resolution	Picosecond to nanosecond range
Spectral range	UV to near-IR (model-dependent)
Application	Laser diagnostics, ICF, plasma physics, space instrument testing
Division	Streak Camera and Electro-optical Conversion (SCEC), XIOPM

price on request

US passive microwave and RF components manufacturer in Manchester, NH; TVAC-rated space hardware, cryogenic components, attenuators, adapters, power dividers for satellite and defence.



XMA CORPORATION

Term, SMA-m, 26.5GHz, 1W (Item #2001-61XX-0X-CRYO)

A cryogenic-compatible SMA male RF termination rated to 26.5 GHz and 1 Watt average power.

Item #	2001-61XX-0X-CRYO
Description	Term, SMA-m, 26.5GHz, 1W
Add-ons	Chain

Materials	SS or Gold-plated
Types	Terminations
price on request datasheet	

Zero-G Solutions
UNITED STATES · 1993 · 1 PRODUCT

Zero-G Solutions provides FAA-approved commercial parabolic flights for astronaut training, scientific research, and public experiences in zero, Lunar, and Martian gravity.



ZERO-G SOLUTIONS

Research Flights

Parabolic microgravity/lunar/Martian-gravity flights for testing space technology payloads before launch.

Parabolas per research flight	30 (double standard flight)
Total weightlessness duration	Up to 15 minutes
Gravity levels available	Microgravity, lunar gravity, Martian gravity (customizable)
Aircraft	G-Force One (modified Boeing 727)
Handheld mixed payload seat	\$10,300 (1 person, 90+ day advance booking)

[price on request](#)

Manufacturers in this sector

27G Technology

Hungary · 1 product

R&D company providing miniaturized radiation dosimeters and EMC filters for space and ground applications. TRL-9 flight heritage.

AAA Engineering & Test Lab

United States · 2009 · 2 products

AAA Engineering & Test Lab provides precision electronic component testing, upscreening, failure analysis, and counterfeit mitigation services for aerospace, space, defense, medical, and ind

Aaronia AG

Germany · 2003 · 1 product

Aaronia AG develops and manufactures spectrum analyzers, spectrum analysis software, and drone detection and defense systems, all produced in Germany.

Accord

India · 1991 · 1 product

Accord Software & Systems designs and manufactures customized GPS/GNSS receivers for space applications and GPS/GNSS semiconductor chips for defense and commercial markets.

Adcole Space (Redwire)

United States · 1957 · 1 product

Redwire is an integrated aerospace and defense company providing advanced technologies for space infrastructure, autonomous systems, and multi-domain operations to government agencies and de

Alba Orbital

United Kingdom · 2012 · 2 products

Alba Orbital manufactures PocketQube satellites, provides launch and ground station services, and operates a fleet of nighttime imaging satellites for government and commercial clients.

AVCOM of Virginia

United States · 7 products

AVCOM of Virginia is a satellite communications equipment manufacturer founded in 1976, specializing in spectrum analyzers, satellite beacon receivers, and RF signal monitoring products.

Beijing Huali Chuangtong Technology Co., Ltd.

China · 1999 · 1 product

Huali Chuangtong (华力创通, Hwacreate) is a Chinese satellite navigation and IoT technology company listed on the Shenzhen Stock Exchange, headquartered in Beijing, developing GNSS (GPS/BeiDou)

CELESTIA Satellite Test & Simulation

Netherlands · 1985 · 10 products

Celestia Satellite Test & Simulation provides ground-based solutions for satellite simulation, testing, communication, and data processing, including EGSE, TT&C, and Optical Modems.

Climats

France · 21 products

Climats is a French manufacturer of high-precision environmental and climatic test chambers, including customized thermal-vacuum chambers for space qualification testing.

CubeSat Aerospace

India · 1 product

Indian CubeSat developer offering flight-ready 1U–6U satellite structures, subsystem components, environmental testing services, launch integration, and STEM education programs from Ahmedaba

Data Patterns (India) Ltd.

India · 1998 · 3 products

Vertically integrated Indian defence and aerospace electronics company designing and manufacturing avionics, microelectronics, RF/microwave, radar, test equipment and space systems.

Element Defense

United States · 1961 · 7 products

Advanced testing and engineering services provider for U.S. space, defense, and government programs.

ElmSpace

Germany · 3 products

Developer of fluid-dynamic attitude control systems, gyroscopes, and air bearings for the space industry.

Emtech Space

Greece · 2 products

Greek space engineering company delivering advanced modeling, simulation, independent software verification, magnetic cleanliness testing, and IOD/IOV mission support. Holder of a €4M ESA He

EnduroSat

Bulgaria · 2015 · 4 products

Software-flexible CubeSat platforms (1U–16U+), shared-satellite hosted-payload service.

ETS-Lindgren

United States · 1995 · 7 products

ETS-Lindgren designs and manufactures electromagnetic and acoustic energy components and systems, including RF shielded chambers and EMC test chambers, for industrial and commercial markets.

EUROSATCOM

France · 2003 · 1 product

French SATCOM equipment distributor and integrator; ground station hardware across L to Q band; founded 2003 in Les Ulis.

EXA (Astro-und Feinwerktechnik)

Germany · 1993 · 1 product

German manufacturer of reaction wheels, CubeSat picosatellite deployers, and AOCS components for small satellites, based in Berlin-Adlershof.

Exobotics

United Kingdom · 1 product

Modular nanosatellite platforms and space test equipment using robotics, AI, and advanced materials.

Exporior Laboratories

United States · 2003 · 4 products

Exporior Laboratories provides independent design verification and qualification testing services for components and systems across space, aerospace, military, and other industries.

EyasSat

United States · 1 product

American company making the EyasSat nanosatellite simulator, an educational spacecraft kit co-developed with the US Air Force Academy covering all six satellite bus subsystems for university

Gatehouse Satcom

Denmark · 1992 · 2 products

Danish embedded software specialist providing satellite communications protocol stacks, waveforms and test tools for terminals, satellites and networks.

GAUSS Instruments

Germany · 2007 · 1 product

GAUSS Instruments manufactures high-performance EMC test equipment and EMI test solutions, including real-time receivers, for various industry standards and applications.

GDP Space Systems

United States · 2 products

GDP Space Systems designs and manufactures telemetry receivers, satellite modems, and range management systems for aerospace and flight test applications.

General Atomics Synopta GmbH

Switzerland · 2004 · 1 product

Swiss opto-electronics company (part of General Atomics since 2021) developing laser-communication beam-pointing systems, optical ground stations, and free-space/fiber optical communication

Glavkosmos

Russia · 1985 · 40 products

Glavkosmos coordinates international human spaceflight projects, facilitates satellite launches, develops and supplies rocket components, and provides equipment for space crews.

Gran Systems

United States · 3 products

System integrator and manufacturer of CubeSat structures, buses, and MyPOD test/transport pods, with space environment test equipment services.

Hex-Star Universe

India · 2022 · 3 products

India-based space EdTech platform offering CubeSat and CanSat educational kits, high-altitude balloon hardware, and online space science courses for students worldwide.

HEX20

India · 1 product

Indian small satellite manufacturer offering flight-proven platforms, subsystems, and mission-as-a-service solutions.

Hokkaido Spaceport (SPACE COTAN)

Japan · 2021 · 1 product

SPACE COTAN Co., Ltd. is a Japanese company developing and operating the Hokkaido Spaceport at Taiki-cho (Taiki Town) in Hokkaido, Japan's northernmost main island, as a commercial launch si

Hypernova Space Technologies

South Africa · 2018 · 1 product

South Africa-based space hardware company developing the Lumen thermal vacuum testing system and providing TVAC test services for the aerospace industry.

IABG

Germany · 1961 · 1 product

German technology company providing testing, simulation, and engineering services for aerospace, defense, and space systems.

ISISPACE Group

Netherlands · 2006 · 1 product

CubeSat deployers, antennas, EPS and small-satellite systems.

Jena-Optronik

1991 · 2 products

Jena-Optronik designs and manufactures sensors, space optics, and electronics for satellites and spacecraft, supporting communication, navigation, and Earth observation.

KRYTAR

United States · 1975 · 2 products

KRYTAR designs and manufactures ultra-broadband microwave, mmWave, and RF components and test equipment for commercial and military applications, covering DC to 110 GHz.

LabSat

United Kingdom · 3 products

LabSat, a brand of Racelogic, provides compact GNSS record and replay simulators enabling reliable, repeatable testing of GNSS-enabled devices across automotive, aerospace, and industrial ap

LAUNCH42

Netherlands · 2 products

Dutch developer of SmallSat and CubeSat separation systems providing smart, lightweight, cost-effective satellite deployers for launch mission management.

Lens R&D

Netherlands · 1 product

Dutch manufacturer of precision optical components and sun sensors for space missions, with flight heritage on ESA programs including LISA.

Lidax

Spain · 2 products

Madrid-based aerospace engineering company specialising in opto-mechanical systems, flexible thermal straps, and cryogenic units for space missions.

LiquidCool Solutions

United States · 2006 · 3 products

Total liquid immersion cooling technology for servers and electronics, using patented Directed-Flow cooling in standard 19-inch racks for data center, edge, and rugged industrial application

LoadPath (Redwire)

2 products

Redwire is an integrated aerospace and defense company providing advanced technologies, space infrastructure, and autonomous systems for government agencies and defense programs.

Lunar Research Service

Ukraine · 4 products

Lunar Research Service (LRS) is a Ukrainian space technology company specializing in hardware and materials testing for space applications, nanosatellite development, and extreme-environment

Lunasa Space

United Kingdom · 2021 · 1 product

Lúnasa is a London-based space technology company building navigation, autonomy, and rendezvous and proximity operations (RPO) systems for the in-orbit servicing and manufacturing (ISAM) mar

Magson GmbH

Germany · 3 products

Magson GmbH is a Berlin-based manufacturer of high-performance digital fluxgate magnetometers for terrestrial and space applications, including spacecraft attitude control systems.

MinoSpace

China · 2017 · 2 products

Chinese commercial satellite manufacturer building Earth observation, communications, and remote sensing satellites, plus payloads, components, and ground terminal systems.

National Physical Laboratory (NPL)

United Kingdom · 1900 · 1 product

UK national measurement institute providing precision timing, frequency standards, and calibration services critical for satellite navigation and space systems.

Nautilus Navigation in Space

Israel · 2021 · 1 product

Nautilus Navigation in Space designs autonomous Guidance, Navigation, and Control (GNC) sub-systems, provides Flight Dynamics as a Service, and develops ground testing equipment for space mi

Needronix

Poland · 2017 · 1 product

Polish smallsat hardware company designing and manufacturing components and subsystems for CubeSats and small satellites, serving commercial and institutional space customers across Europe.

NOFFZ Technologies

Germany · 8 products

NOFFZ Technologies is a German manufacturer of universal test and automation systems, including RF test platforms and GNSS signal simulators for aerospace, defense, and automotive applicatio

OhmSpace

Italy · 2020 · 1 product

Italian electric propulsion startup developing water-propelled resistojet thruster systems for nanosatellites and microsatellites, offering a safe, low-cost, and high-performance propulsion

Parsons Space

United States · 1 product

US defense and technology prime contractor providing space systems engineering, missile defense integration, space domain awareness, and ground system development for US government programs.

Pumpkin, Inc.

United States · 1995 · 10 products

San Francisco-based manufacturer of flight-proven CubeSat kits, SUPERNOVA nanosatellite buses, and spacecraft power/electronics components, with over 150 kits delivered and dozens of success

Pyxis Space

Germany · 1 product

German manufacturer of miniature optoelectronic ADCS components for small satellites and CubeSats.

Quadsat ApS

Denmark · 2017 · 4 products

Danish pioneer of drone-based RF testing and antenna measurement solutions for satellite antennas and electronic warfare, enabling cost-effective SATCOM ground segment testing without satell

Radian Aerospace

United States · 2015 · 1 product

Radian Aerospace designs and manufactures fully-reusable orbital mission platforms and reentry vehicles for routine and affordable space access.

Redwire Corporation

United States · 2020 · 1 product

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense, including optical imaging, sun sensors, solar arrays, and sp

Robinson Aerospace Systems

Australia · 2022 · 1 product

Robinson Aerospace Systems provides hands-on educational CubeSat kits and STEM solutions for schools, universities, and businesses globally, aiming to inspire and educate students in space t

RUAG Space

Switzerland · 1993 · 5 products

Swiss-Swedish space components manufacturer providing satellite structures, thermal control products, payload electronics, and antennas for commercial and institutional programs.

S4 - Smart Small Satellite Systems GmbH

Germany · 2017 · 1 product

German manufacturer (Wuerzburg) of pico/nanosatellite subsystems and tailored small satellite systems, with flight heritage tracing back to the first German pico-satellite UWE-1.

Serenum Space

Czech Republic · 2020 · 2 products

SERENUM Space is a CubeSat component and BUS manufacturer, integrator, and service provider based in Brno, Czech Republic, and a commercially oriented subsidiary of VZLU AEROSPACE.

Sisir Radar

India · 2021 · 3 products

Indian spacetechnology company building the world's highest resolution L & P band Synthetic Aperture Radar (SAR) payloads for satellites, aircraft and drones, plus Ground Penetrating Radar and hyp

SkyLabs d.o.o.

Slovenia · 2013 · 3 products

SkyLabs is a Slovenian space-technology company that designs and manufactures miniaturized, fault-tolerant on-board data handling, communications, power, ADCS/GNC and EGSE equipment for smal

Space Foundry

United States · 3 products

San Jose, CA company pioneering plasma jet printing for direct-write conformal electronics manufacturing on complex 3D surfaces, with applications in space, aerospace, and in-space manufactu

Space Products and Innovation (SPiN)

Italy · 2015 · 1 product

SPiN (Space Products and Innovation) develops MA61C, a plug-and-play intelligent Command and Data Handling (C&DH) node that lets satellite manufacturers integrate subsystems from different s

SPACERACE s.r.o.

Czech Republic · 2022 · 1 product

Czech company (Brno) developing non-explosive, rapidly resettable hold-down and release actuators and initiation electronics for ground testing and qualification of spacecraft mechanisms.

Spartan Space

France · 2021 · 1 product

Developer of smart habitats and life support systems for human exploration in space and extreme environments.

SpinLaunch

United States · 2014 · 1 product

SpinLaunch develops a kinetic (non-combustion) launch system that uses a rotating vacuum-sealed accelerator to hurl launch vehicles toward space, and operates Meridian Space, a low-cost LEO

SPUTNIX

Russia · 2011 · 3 products

SPUTNIX is a Russian manufacturer of nanosatellite and microsatellite platforms, onboard subsystems and ground infrastructure, operating as a subsidiary brand of Sitronics Group.

SSBV Aerospace & Technology

Netherlands · 1985 · 1 product

SSBV Aerospace & Technology Group was a Dutch-led, technology-driven group of companies providing space and defence hardware, including smallsat subsystems, ground station equipment, and pre

Surface Optics Corporation

United States · 1977 · 3 products

US manufacturer of optical measurement instruments, hyperspectral imaging systems, and thermal control coatings, founded 1977 in San Diego by former Apollo-program aerospace engineers.

TechTheMoon

France · 2021 · 1 product

The world's first incubator dedicated exclusively to the Moon, backed by CNES, supporting entrepreneurs developing solutions for sustainable human presence on the lunar surface.

TRL Space

Czech Republic · 2014 · 2 products

Czech mission integrator and space hardware builder behind the CAVE CubeSat deployer, TRONE/CRUSOE EGSE, and the TRACE/TROLL NG/TRULY satellite missions.

Tsd-space

Italy · 1977 · 1 product

Italian space imaging and avionics company in Pozzuoli; cameras, focal plane arrays, image compression, OBCs, C&DH systems, power management, and ground segment equipment.

TY-Space Technology

China · 5 products

Chinese manufacturer of high-precision star trackers, sun sensors, star simulators, and attitude control modules for satellites, with over 1,000 units flown on-orbit.

VACCO Industries

United States · 1954 · 1 product

US manufacturer of precision fluid control components and integrated propulsion systems for spacecraft, with 70+ years of heritage. Products include micro propulsion systems, valves, pressur

VORAGO Technologies

United States · 2012 · 1 product

VORAGO Technologies designs radiation-hardened ARM microcontrollers and processors for space and extreme-environment applications using patented HARDSIL technology.

WiRan

Poland · 2002 · 1 product

Polish RF/microwave company in Gdynia, founded 2002; L/S/X/Ku-band components, space-grade diplexers and filters, and EMC testing laboratory services.

Wyrm Engineering

Netherlands · 2016 · 3 products

PocketQube deployer and vibration test equipment maker, plus mechanical engineering consultancy for small-satellite developers.

XCAM

United Kingdom · 2001 · 7 products

XCAM designs space-qualified CubeSat cameras, scientific X-ray detectors, in-vacuum cameras, and particle fallout monitors for space and scientific research applications.

Xi'an Institute of Optics and Precision Mechanics (XIOPM)

China · 1962 · 2 products

Chinese Academy of Sciences research institute in Xi'an developing space optics, precision photonic instruments, and optical remote sensing payloads for China's satellite and space programs.

XMA Corporation

United States · 2003 · 1 product

US passive microwave and RF components manufacturer in Manchester, NH; TVAC-rated space hardware, cryogenic components, attenuators, adapters, power dividers for satellite and defence.

Zero-G Solutions

United States · 1993 · 1 product

Zero-G Solutions provides FAA-approved commercial parabolic flights for astronaut training, scientific research, and public experiences in zero, Lunar, and Martian gravity.

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