

NEWSPACE MARKET · COMPANY PROFILE

 EXOLAUNCH

Exolaunch

Germany · founded 2008 · exolaunch.com

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as of 20 August 2026



Exolaunch

Exolaunch (formerly ECM Space Technologies) is a German space logistics company founded in 2008 and headquartered in Berlin, specializing in orbital deployment services and satellite integration for the small satellite market. The company serves as a key integration and deployment partner for SmallSat rideshare missions on SpaceX Falcon 9, Rocket Lab Electron, and other launch vehicles. Exolaunch's core product line includes the CarDrop family of orbital deployers — spring-loaded and motorized CubeSat ejectors compatible with 1U to 16U configurations — and the CarRack multi-satellite deployment system for larger rideshare manifests. Their CarRider upper stage provides autonomous orbit-raising and satellite delivery for constellations requiring precise plane separation. The company handles the full integration workflow from customer payload receipt through pre-launch testing, integration onto the launch vehicle, and on-orbit commissioning support. Exolaunch has deployed over 300 satellites to date for customers including Planet Labs, Spire Global, ICEYE, D-Orbit, and international government agencies. In 2022, Exolaunch was acquired by Loft Orbital, creating an integrated satellite operations and deployment platform. The company continues to operate independently under its Exolaunch brand.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

EXOport — Rideshare Integration Service (Falcon 9 / Electron)

EXOport is a multi-satellite adapter used by Exolaunch for integration and deployment services.

Product catalogue



EXOLAUNCH

CarboNIX

Scalable shock-free microsatellite separation system for 10–500 kg satellites; 30 missions, 244 microsats flown.

Satellite mass range	10–500 kg
Available diameters	8", 11.732", 15", 18.25", 24" (custom available)
Tumbling rate post-release	< 1°/sec on all three axes
Deployment type	Entirely shock-free, linear
Flyaway mass	Half that of comparable separation systems
ITAR status	ITAR-Free
Manufacturing	Made in Germany

price on request [datasheet](#)



EXOLAUNCH

CarboNIX NEO

Next-gen shock-free separation system for satellites up to 1000 kg+, with new clamp ring and SpaceX Transporter full-mass range coverage.

Available sizes	8", 15", 24", 31.6", 38.81" (custom)
Maximum satellite mass	1000 kg+
Tumbling rate post-release	< 1°/s on all axes
Deployment type	Linear, shock-free
ITAR status	ITAR-Free
Manufacturing	Made in Germany
Flight heritage	First flight Q4 2025, 3 missions, 3 microsats

price on request [datasheet](#)



EXOLAUNCH

EXObox

Deployment sequencer managing up to 50 satellites per unit, galvanically isolated with internal power supply; 7 missions, 132 smallsats flown.

Maximum satellites managed per unit	50
Power supply	Internal, galvanically isolated from launch vehicle
CPU redundancy	Redundant CPU and power supply
Telemetry	Deployment confirmation and telemetry relay (transparent transceiver)
Scalability	Multiple units per mission (unlimited cluster size)
Flight heritage	Since 2017, 7 missions, 132 smallsats
Manufacturing	Made in Germany

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



EXOLAUNCH

EXOpod AIR

Ultra-lightweight CubeSat deployer at 6.5 kg minimum mass; targets small launchers, OTVs, and mass-critical missions.

Minimum deployer mass	6.5 kg (lightest CubeSat deployer on market)
Available sizes	8U, 12U, 12U XL, 16U
CubeSat size range	0.25U to 16U
Heritage	400+ CubeSat deployments (EXOpod family)
ITAR status	ITAR-Free
Manufacturing	Made in Germany
First flight	H2 2026

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



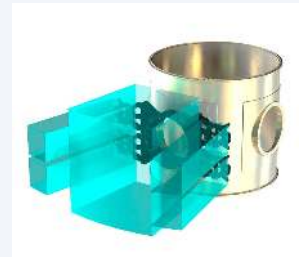
EXOLAUNCH

EXOpod Nova

Advanced CubeSat deployer for 0.25U–16U, with +400% lateral protrusion volume vs CDS; 39 missions, 510 CubeSats deployed.

Available sizes	6U/8U, 12U, 16U (configurable to smaller)
CubeSat size range	0.25U to 16U
Lateral protrusion volume vs CDS	+400%
Mass increase over CDS	+30%
ITAR status	ITAR-Free
Manufacturing	Made in Germany
Flight heritage	Since 2017, 39 missions, 510 CubeSats

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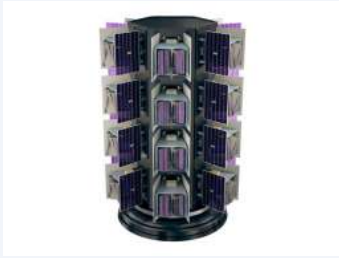
EXOLAUNCH

EXOpod

Multi-satellite adapter mounting a full smallsat cluster on a single 15" or 24" ESPA/SpaceX Dispenser Ring port; 8 missions flown.

Interface ports	15" or 24" ESPA / SpaceX Dispenser Ring
Compatible separators	CarboNIX 8", 15", 18.25", 24"
Compatible deployers	EXOpod Nova, EXOpod AIR
CubeSat range	0.25U and above
Microsat range	Up to 500 kg
Configurations	Jupiter, Neptune, Europa, Atlas
Flight heritage	8 missions, 20 EXOpods flown, since Jan 2021

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EXOLAUNCH

EXOtube

Launch vehicle-agnostic universal modular adapter for rideshare missions, accommodating CubeSats to 1000 kg microsattellites.

Maximum satellite mass	1000 kg
Compatible separation systems	CarboNIX, Quadro Arrow, Quadro Versa
Compatible deployers	EXOpod Nova, EXOpod AIR
Compatible adapters	EXOpod
Satellite range	CubeSats (0.25U+) to 1000 kg microsattellites
Configurations	Mega constellation, Heavy-class, Medium-class, Small launchers

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EXOLAUNCH

Quadro Arrow

Four-point shock-free separation system for satellites up to 250 kg; Innovation in Space Award 2023 winner; 4 missions flown.

Satellite mass range	Up to 250 kg
Separation points	4
Tip-off rate	Average 0.6°/s on all three axes
Deployment type	Shock-free, no pyrotechnics
Actuation	Single signal releases all 4 points simultaneously
ITAR status	ITAR-Free
Manufacturing	Made in Germany

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EXOLAUNCH

Quadro Versa

Scalable four-point separation system for satellites up to 1000 kg+ on SpaceX Rideshare plates, 24"x24" to 40"x40".

Satellite mass range	Up to 1000 kg (and beyond)
Separation points	4
Size range	24"x24" to 40"x40" (scalable)
Tip-off rate	Average 0.6°/s on all three axes
Deployment type	Shock-free, no pyrotechnics
Actuation	Single signal releases all 4 points simultaneously
Interface compatibility	SpaceX Rideshare four-point compatible

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Contact Exolaunch

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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