EXOLAUNCH

CarboNIX NEO



Scalable microsatellite separation system

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FLIGHT HERITAGE
SINCE 2025

5 missions flown

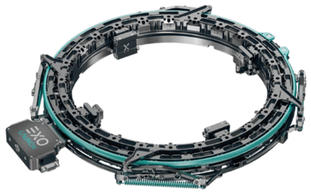
5 microsats flown



CarboNIX NEO 31.6”



CarboNIX NEO 24”



CarboNIX NEO 15”



CarboNIX NEO 8”

CarboNIX NEO is an off-the-shelf separation system available in 8”, 15”, 24”, 31.6” and 38.81” sizes. It is scalable to any custom diameter for satellites upwards of **1000 kg.** While **NEO** uses the same lock mechanism and pusher arm subsystems as CarboNIX, **NEO** employs a new clamp ring system which is stronger and stiffer, can withstand higher loads and can launch heavier spacecraft than any other separation system on the market.

CarboNIX NEO Fact Sheet

SHOCK-FREE DEPLOYMENT

Extremely low separation shock thanks to a decoupled clamp and pusher arm system.

HIGH STRENGTH

Neo is the only separation system which can launch any satellite mass within the Transporter limits.

FAST RESET TIME

Designed for maximum ease of use, the system can be integrated, triggered, and reset in minutes.

CLUSTER COMPATIBLE

Linear deployment with average tumbling rate <1°/s after release due to our proprietary synchronized pusher arm system.

FLEXIBLE

Scalable from 8" to 38.81" and larger diameters to accommodate any satellite on any launch vehicle.

FLIGHT HERITAGE

Lock mechanism and pusher arms have flight heritage with CarboNIX across dozens of launches and deployments. NEO will fly on multiple missions in 2025.

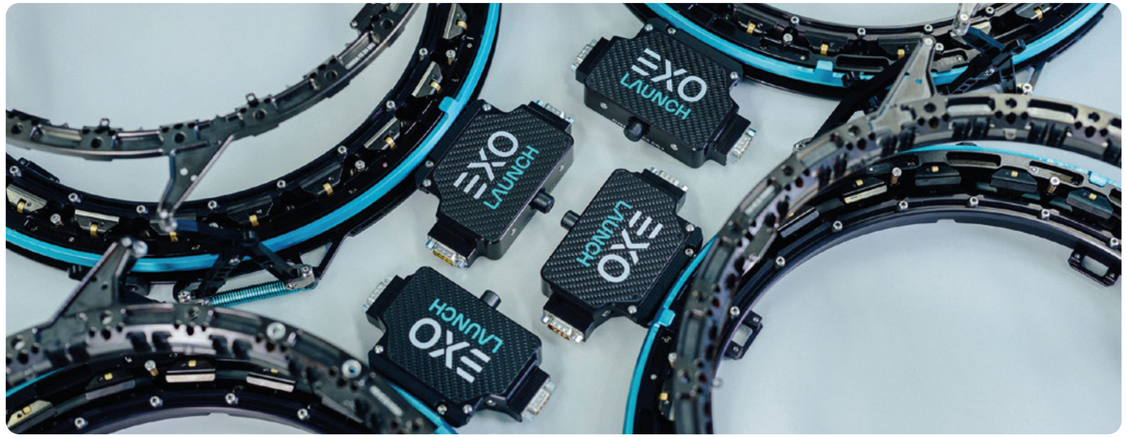
ITAR-FREE

CarboNIX NEO is free from any export restrictions, making it the most accessible system in the world.

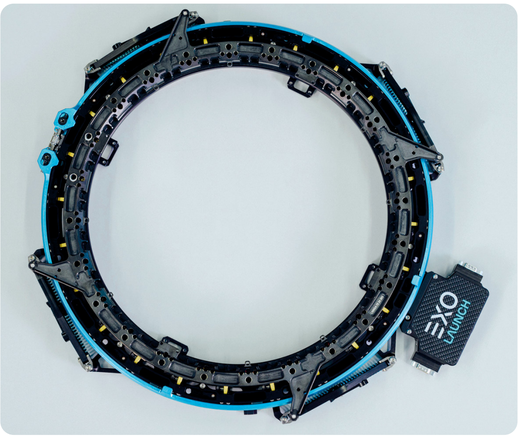
MADE IN GERMANY

CarboNIX Neo in Action









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sales@exolaunch.com