

EXOLAUNCH

CarboNIX NEO



Scalable microsatellite
separation system

CarboNIX NEO

FLIGHT HERITAGE
IN 2025

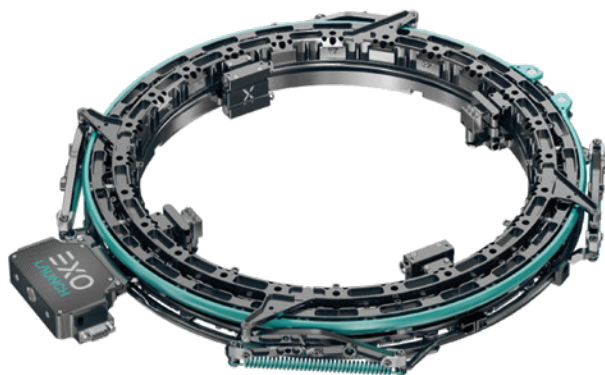
Scalable microsatellite
separation system



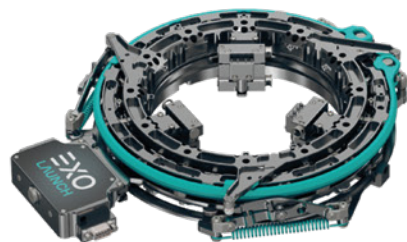
CarboNIX NEO 31,6"



CarboNIX NEO 24"



CarboNIX NEO 15"



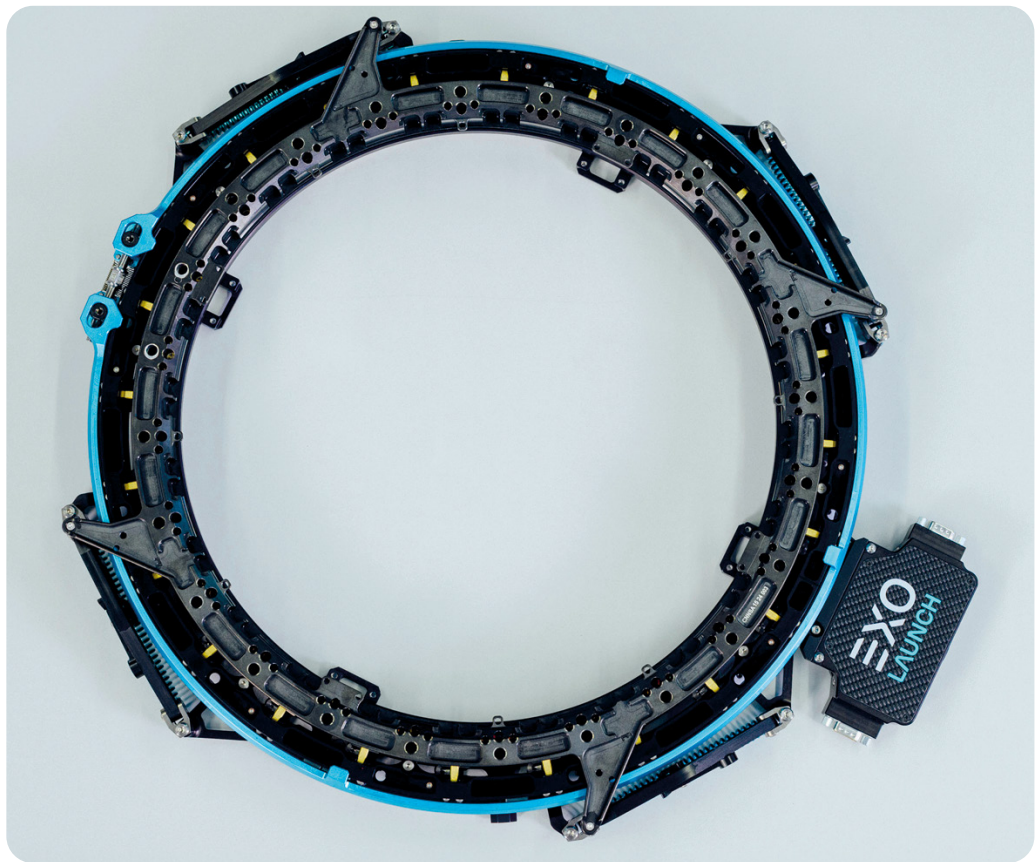
CarboNIX NEO 8"

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, stiffer, can withstand higher loads and launch heavier spacecraft than any other separation system on the market.

CarboNIX NEO Fact Sheet

	SHOCK-FREE DEPLOYMENT	HIGH STRENGTH
	Extremely low separation shock thanks to a decoupled clamp and pusher arm system.	Neo is the only separation system which can launch any satellite mass within the Transporter limits.
FAST RESET TIME	CLUSTER COMPATIBLE	FLEXIBLE
Designed for maximum ease of use, the system can be integrated, triggered, and reset in minutes.	Linear deployment with average tumbling rate <1°/s after release due to our proprietary synchronized pusher arm system.	Scalable from 8" to 38.81" and larger diameters to accommodate any satellite on any launch vehicle.
FLIGHT HERITAGE	ITAR-FREE	MADE IN GERMANY
Lock mechanism and pusher arms have flight heritage with CarboNIX across dozens of launches and deployments. NEO will fly on multiple missions in 2025.	CarboNIX NEO is free from any export restrictions, making it the most accessible system in the world.	

CarboNIX Neo in Action



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