EXOLAUNCH

CarboNIX



Scalable microsatellite
separation system

CarboNIX

Scalable microsatellite separation system

FLIGHT HERITAGE SINCE 2019

33 missions flown

302 microsats flown



CarboNIX 24”



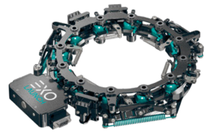
CarboNIX 18.25”



CarboNIX 15”



CarboNIX 11.732”



CarboNIX 8”

CarboNIX is an off-the-shelf separation system available in 8”, 11.732”, 15”, 18.25” and 24”. It is scalable to any custom diameter for satellites upwards of 300 kg. **CarboNIX** uses patented shock-free technology to reduce the risk of damaging sensitive satellites, optical payloads and electronic components. In addition, **CarboNIX** uses an advanced synchronous spring pusher system to achieve unrivaled smooth and even separations that protect against damaging shocks and tip-off rates.

CarboNIX Fact Sheet

SHOCK-FREE DEPLOYMENT

Linear deployment with average tumbling rate <1°/s after release.

LIGHTWEIGHT

CarboNIX 15" weighs 2.6 kg with a flyaway mass of only 330 g.

FAST RESET TIME

The whole system can be triggered and reset in minutes.

CLUSTER COMPATIBLE

Designed in-house for maximum ease of use, flexibility and compatibility with large cluster configurations.

FLEXIBLE

Scalable to 8", 11.732", 15", 18.25", 24" and custom diameters to fit on any launch vehicle.

FLIGHT HERITAGE

CarboNIXes successfully deployed microsats since 2019.

ITAR-FREE

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

MADE IN GERMANY

CarboNIX in Action









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