



## DEPLOYMENT SYSTEMS

SEOPS offers unmatched tactically responsive space solutions for national security, scientific, and educational endeavors. We focus on equipping clients with flexible end-to-end launch services and space systems that are constantly ahead of the change curve - foresight, adaptability, and execution are fundamental to our mission, including our deployment systems.

**Our flexible deployment solutions** have a proven flight heritage for reliable, smooth operations for your payload. We have a track record of 100% mission success, having facilitated the launch and deployment of more than 53 satellites.

Our team leaders have been the choice for government and commercial payloads for numerous launches, including deployments from the ISS and the SpaceX Falcon 9. In addition, our team specializes in creating custom solutions for deploying unique payloads, ensuring mission-specific needs are met with precision and expertise.

Deployment Solutions	Application
Equalizer	3U, 6U, 12U, 16U, Custom (accommodates Tab or Rail)
Ghost Trap	Specialty low-vibration deployer for 3U and 6U sensitive payloads
Keystone Separation System	8", 15", 24" Ring Separation System

*Your Trusted Partner for Agile Access to Space*



## Equalizer

Our Equalizer deployment system has an approximate mass of 7kg and can support 3U, 6U, 12U, and 16U configurations. This solution works with rail or tabbed satellite designs and does not utilize clamping methods. Highly adaptable the equalizer lineup can be customized according to customer needs.

### Highlights:

- TRL - 9 / # Flown ("More than 14 flown")
- Lightweight - maximizes available mass for SV
- Flight Qualified - 100% Success
- Resettable Release Mechanisms - Allows for repeatable testing
- Reconfigurable to 3U/6U/12U/16U Tab/Rail
- American Made - Reduces ITAR concerns
- 2-month Lead Time
- Economics - reliable and cheaper than CSD and other competitors

## Ghost Trap

*The Industry's Only "Lowrider" Deployer For Sensitive Payloads*

Ghost Trap is our latest patented deployment system. Its narrow configuration and opening on the longer side results in a system that lessens the stress load and reduces vibrations, making it ideal for sensitive payloads that need the gentlest ride possible.

This design ensures the payload is more protected and eliminates the need for additional adapters or isolators, which provides the added bonus of making integration easier and faster.

## Keystone Sep Rings

This groundbreaking separation system utilizes two fundamental geometric restraining systems to simplify the mating/de-mating functionality and increase the strength of a satellite separation system.

Keystone reduces the traditional separation system complexity down to four main parts:

1. Flyaway ring
2. Stay behind Ring / Deployment Spring Set
3. Compression Band
4. Compression Band Release Mechanism

This system offers unmatched strength, cost savings, and availability.



### About SEOPS:

U.S.-owned and operated, SEOPS is the industry's most experienced leader in providing full service launch and rideshare services. Our comprehensive launch services, from capacity procurement to flexible deployment systems; TV solutions, mission design and integration services, ensure payloads get on orbit in the most seamless, cost-effective way possible. Our team brings decades of experience from the commercial and USG space programs, including demanding civil, defense and human spaceflight initiatives

*For more information or to book your next launch, email us at [info@seops.space](mailto:info@seops.space).*