



Separation Mechanisms for Satellites in 1-50KG Range



Rideshare Launch Services

Piggyback launches

Satellites: CubeSats, nano & micro satellites

Launchers: international

Orbits: LEO, GTO and above

Typical time-to-orbit: 12 months

Turnkey service

Slot reservation
Separation mechanism
Service

- Logistics
- Launch campaign
- Paperwork and procedures







FlyMate





Flight proven - First commercial service in April 2013 onboard BION-M N1 SC



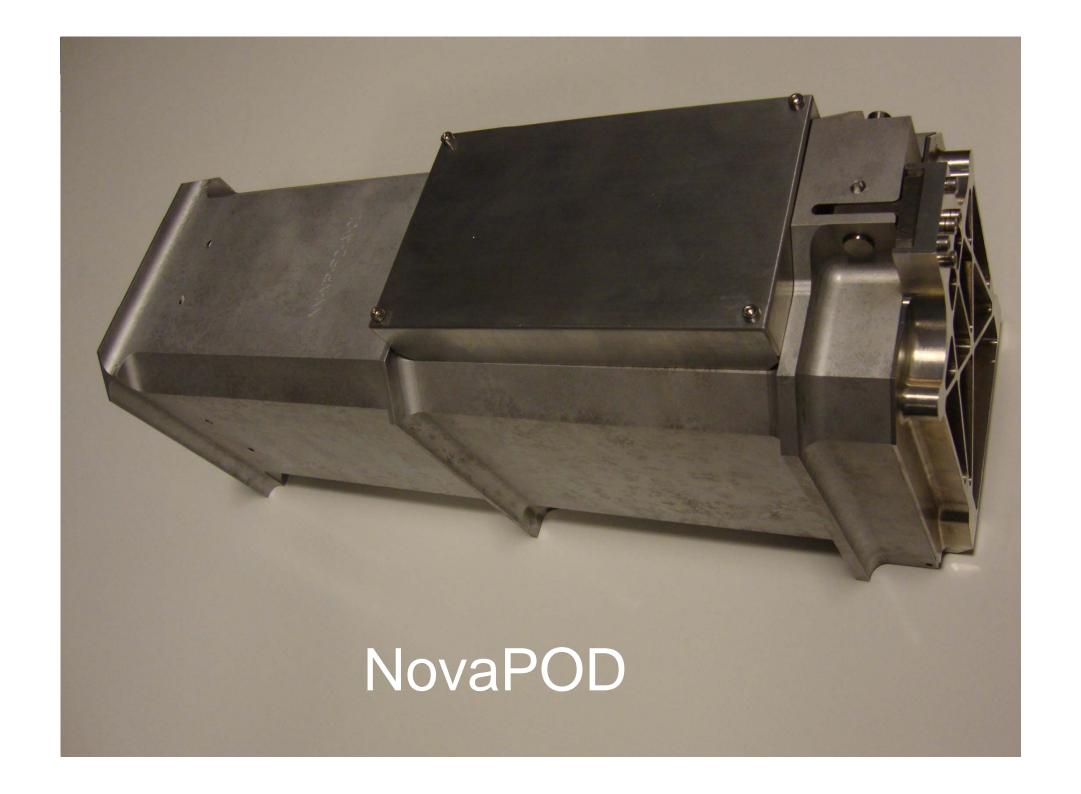
FlyMate

Features

FlyMate[™] - 2nd Generation CubeSats Deployer

- •Compatible with most LEO Launch Vehicles
- Can eject its passengers separately
 - Adjustable speeds
 - Adjustable temporizations
- •Compatible with '3x1U', '2x1U + 2U' and '3U' CubeSats configurations
- •Motorized ejection mechanism. Patented
- •Up to 60mm of free space between each CubeSat
- •CubeSat separation velocity up to 2 m/s
- Off-the-Shelf & ITAR FREE







NovaPOD

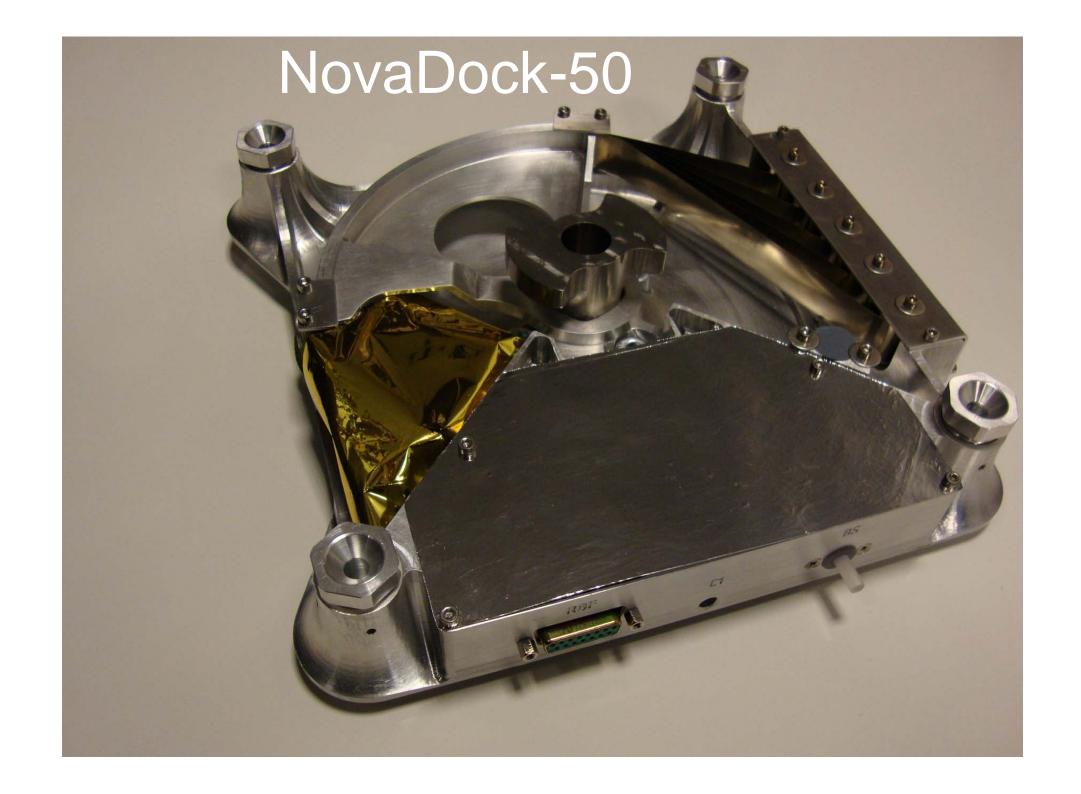
Features

NovaPOD - standard CubeSat deployer

- Compatible with most LEO LV
- •'3U' CubeSat payload compatible
- Spring based mechanism
- Pyrotechnics free
- •Dimensions "before CubeSat ejection": 418 x 140 x 169 mm
- •Mass: 2,3kg +/- 0,2kg (depends on the ejection velocity and the electrical interface)
- CubeSat separation velocity up to 2 m/s
- •ITAR FREE









NovaDock-50

Features

NovaDock - for satellites up to 50kg

Dimensions 255 x 255 x 55 mm

Mass: 2.3kg

Minimized mass and surface of parts fixed on the satellite: 300gr

Explosive- free, piezomotor based blocking mechanism

Energy autonomous - Embedded power module

Simple mechanical & electrical interfaces with the LV

- 9 x M8 bolts
- One connector

Satellite separation velocity up to 2 m/s

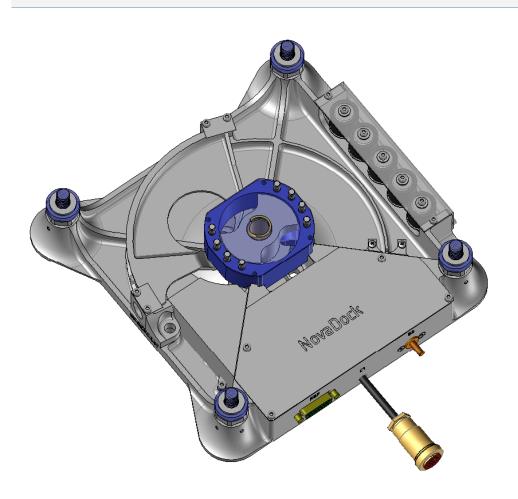
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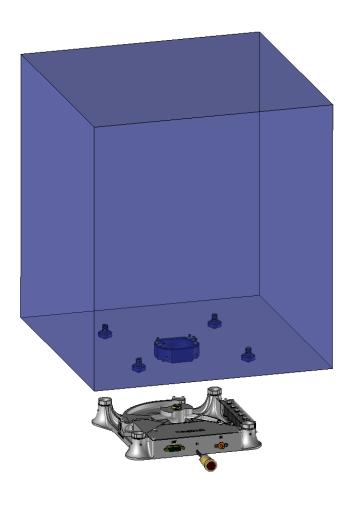
Off-the-Shelf & ITAR FREE



NovaDock-50

Satellite Integration

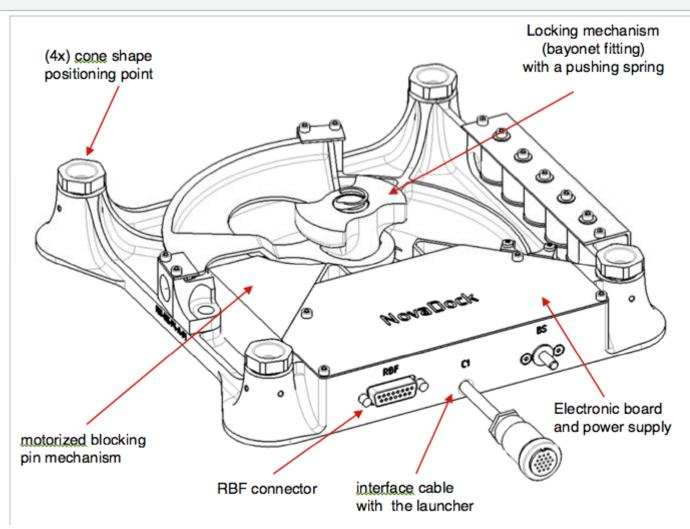


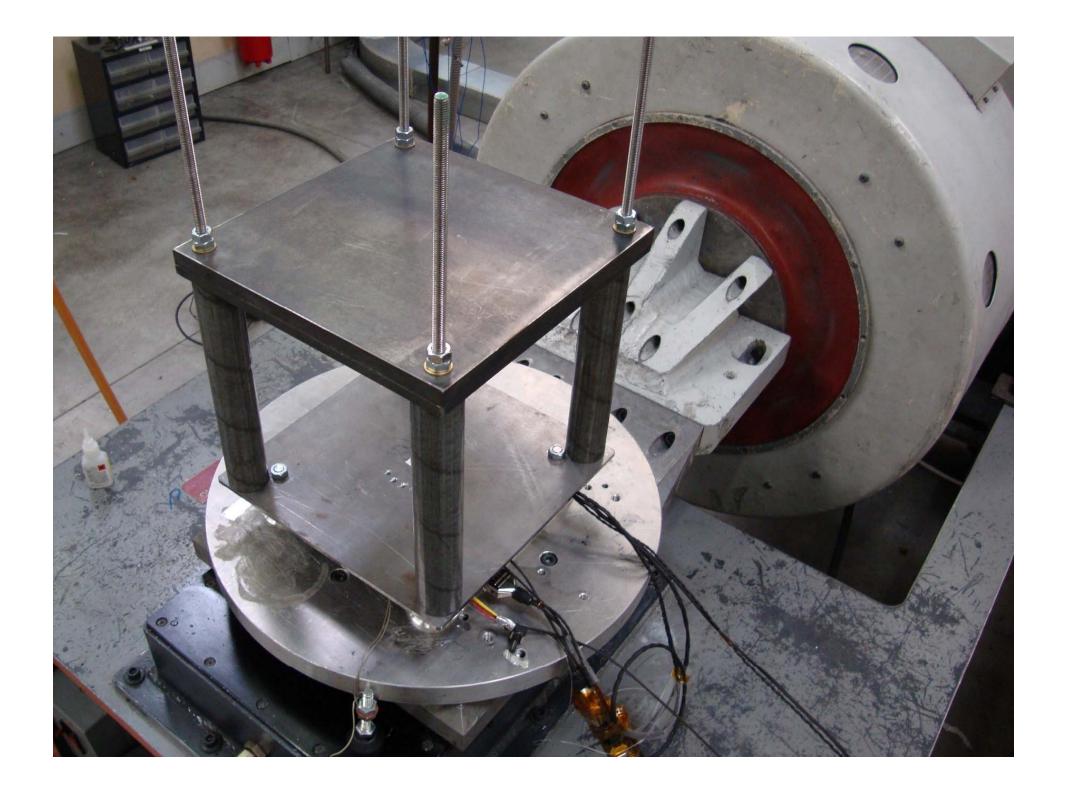




NovaDock-50

Parts & Modules







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