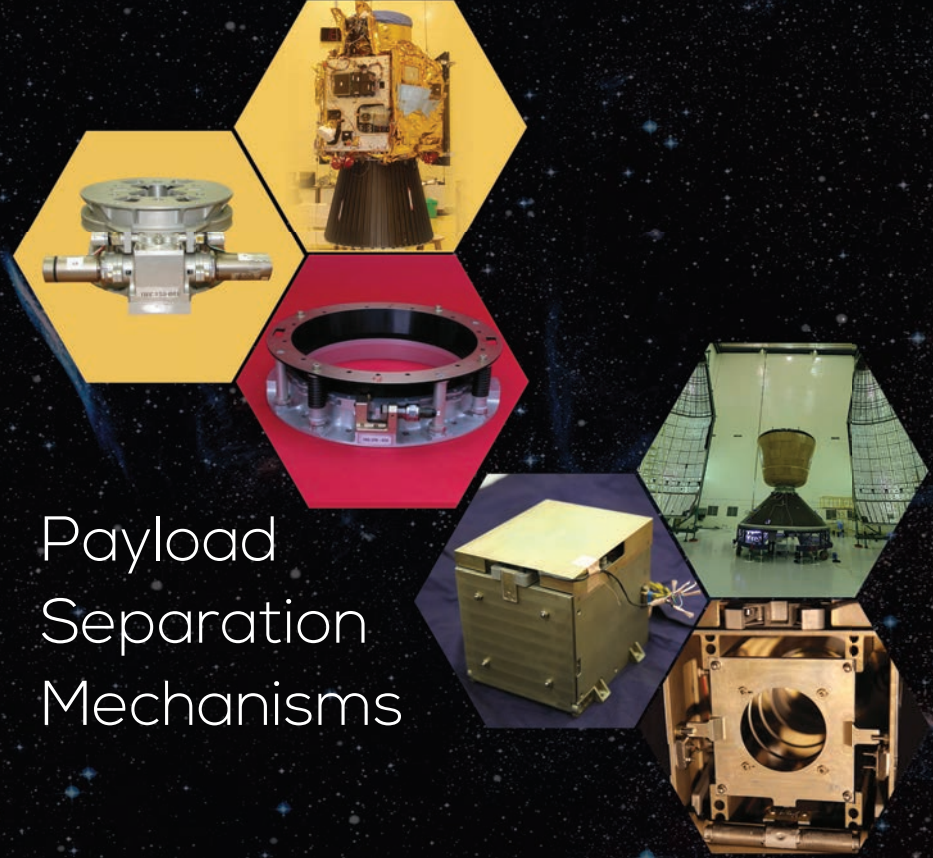


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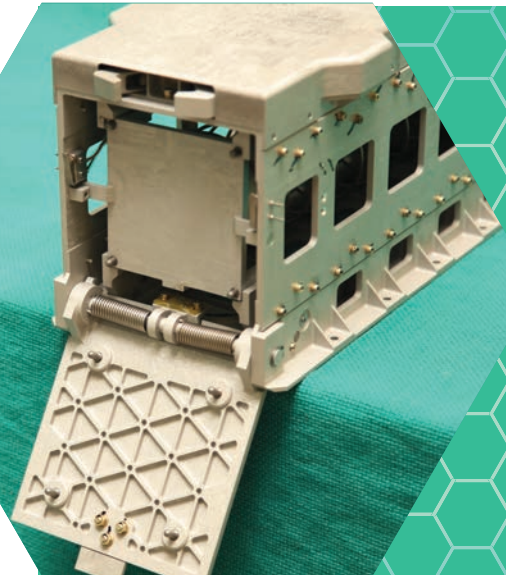
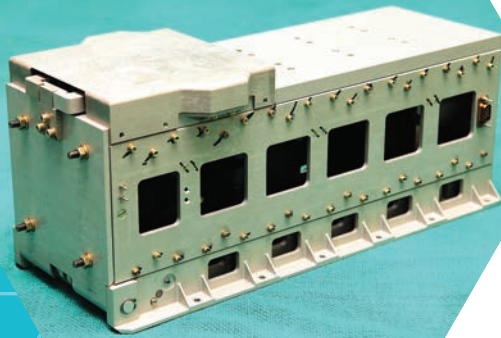


Payload Separation Mechanisms

For details contact:
Antrix Corporation Limited
Bangalore-560094, India.
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INLS 3U

- Non-pyro dispenser for 3kg class Nano satellites.
- Satellite is kept inside a rectangular structure and locked by a swinging door.
- Redundant heating element for wire fusing mechanism to initiate the separation and helical spring to jettison the satellite.
- Micro Switches to monitor the door opening and reed switch to confirm satellite ejection.



- No mass attached with satellite after separation
- Satellite size: 100 mm x 100 mm x 340 mm
- Relative velocity : 1.5 m/s
- Satellite guided inside the system to reduce the tip off rate.
- Operating temperature & Vacuum : 0°C to +65°C, 10^{-5} torr
- Power Supply: Current: 4 ± 0.2 Amp
Voltage: 2.4V
Separation time: 5 sec



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