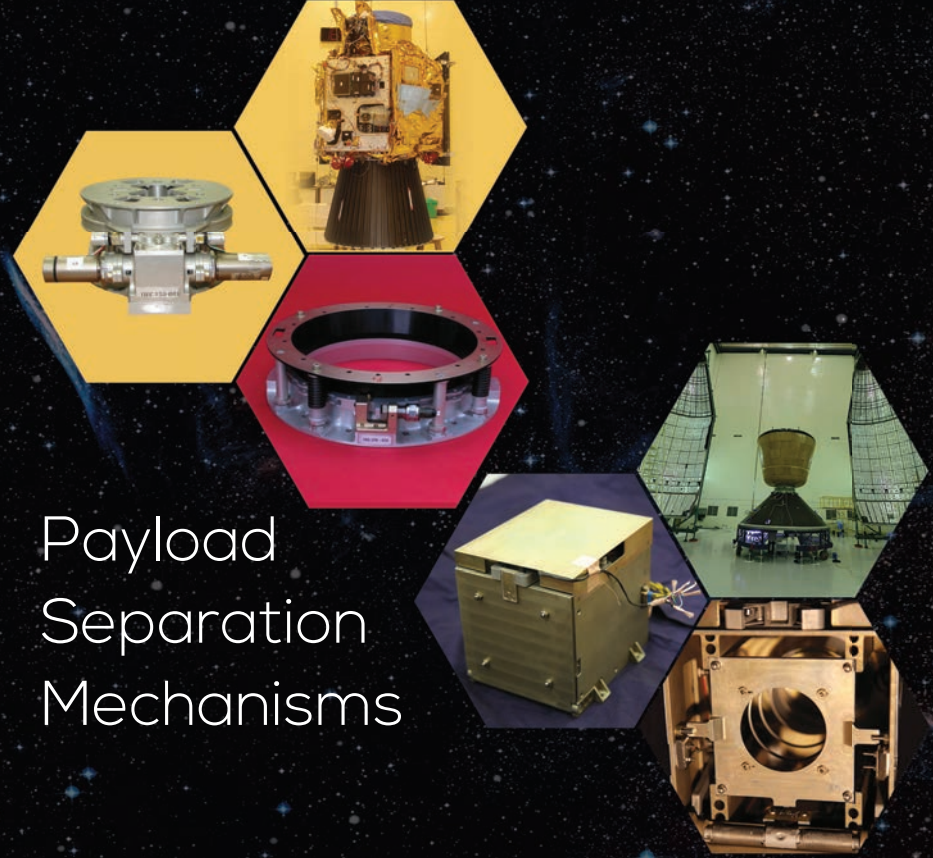


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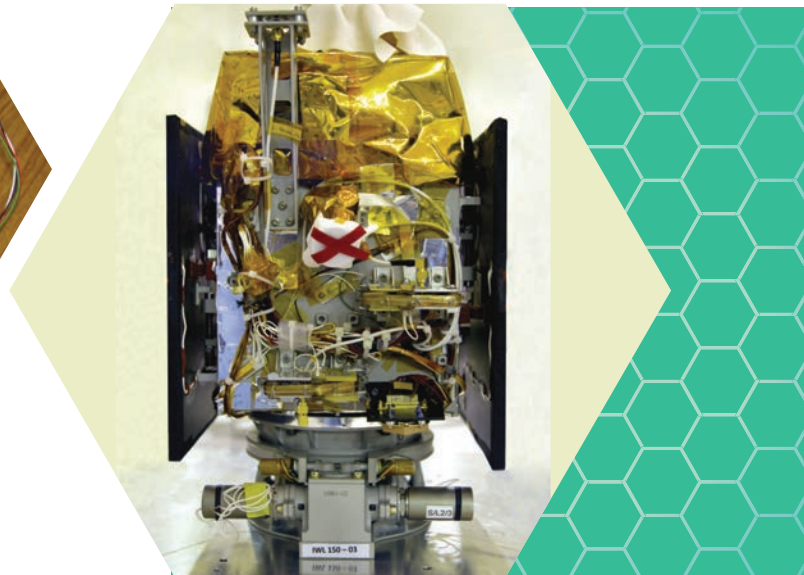
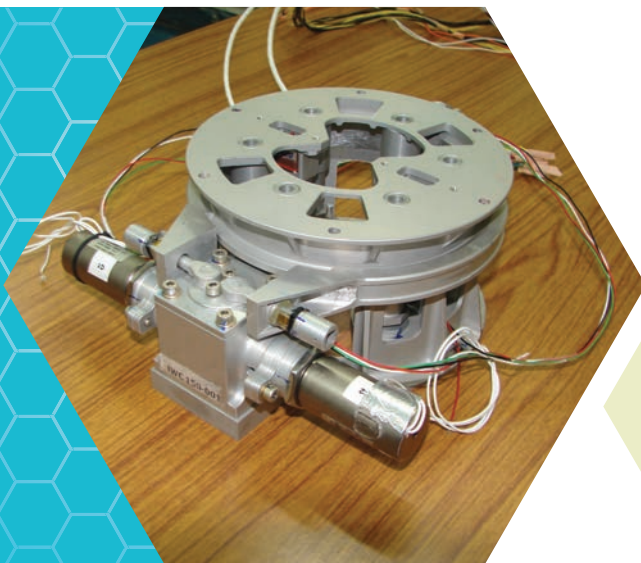


Payload Separation Mechanisms

For details contact:
Antrix Corporation Limited
Bangalore-560094, India.
mail@antrix.gov.in; rajiv@antrix.gov.in

IWL 150

- ISRO Wedge Lock Separation system for 10Kg class satellites.
- Solenoid based pin puller release.
- System is having device level redundancy
- Fully resettable, Low shock, non-pyro technic, non-consumable and debris-free separation system
- Mounting I/F = 150mm



- System mass: 2 kg
- System size: 224 mm x 209 mm x 91 mm
- Relative velocity : 1-1.5 m/s
- Inbuilt guiding feature to reduce the tip off rates.
- Operating temperature & Vacuum :
-15°C to +70°C, 10^{-5} torr
- Power Supply: Current: 8-10 Amp,
Voltage : 22-28V
Separation time: <math><25</math>ms from command

Flight heritage: Successfully deployed in PSLV C35, and in PSLV C37



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