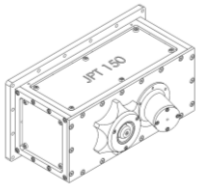
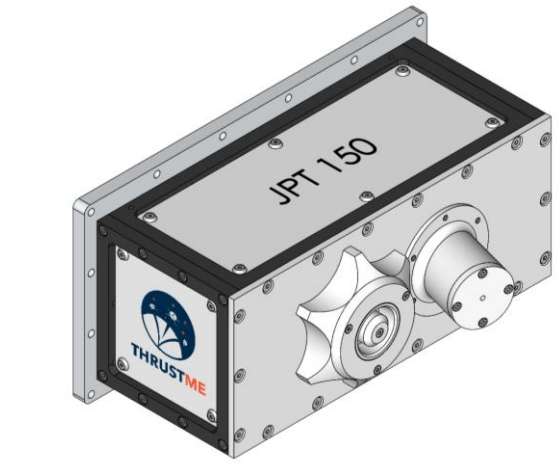
JPT150-I2

IODINE HALL THRUSTER PROPULSION SYSTEM



ThrustMe JPT150-I2 is a fully integrated propulsion system based on Hall thruster technology fuelled by iodine. It is a stand-alone system incorporating the Hall thruster and its neutralising cathode together with the iodine propellant, its storage, flow control, a power processing unit (PPU), thermal management, and intelligent operation. The first prototype has been successfully ground-tested, showcasing its capabilities for advanced satellite manoeuvring.

PRODUCT INFORMATION



JPT150-I2 Iodine Hall Thruster System

INNOVATIVE TECHNOLOGY

- ✓ Designed specifically for advanced satellite constellations.
- ✓ Fully iodine-fed Hall thruster with iodine-compatible neutralizer cathode.
- ✓ Built on the maturity of ThrustMe's flight-proven iodine-compatible subsystems.

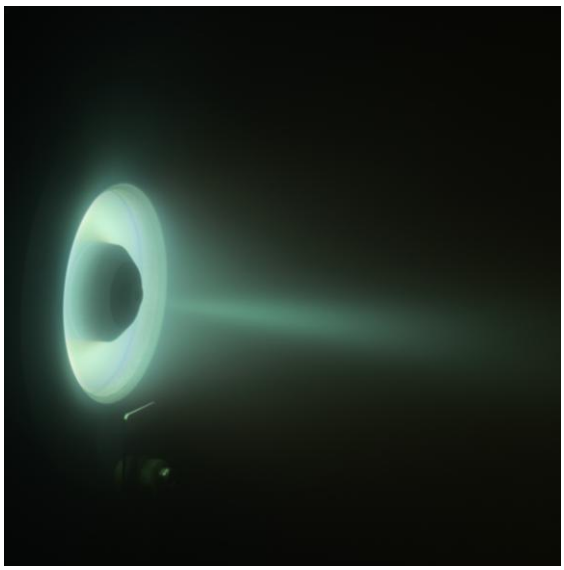
KEY FEATURES

- ✓ Comes pre-fuelled with Iodine.
- ✓ Optimized for cost efficiency while delivering superior performance.
- ✓ Capable of enabling automated and autonomous operations with its intelligent integrated software.

PERFORMANCE & SPECIFICATIONS

Thrust	7 - 12 mN
Isp	1200 - 1600 s
Total power	200 – 330 W
Thrust-to-Power	Up to 38 mN/kW
Total impulse	Up to 60 kNs
Total wet mass	< 15 kg
Cathode	Iodine-fed
Bus interface	CAN / RS-422

* Numbers given for a fully integrated system



JPT150-I2 Hall thruster head operating with iodine fuelled neutraliser

APPLICATIONS

- ✓ Enabling precise orbital manoeuvres and station-keeping.
- ✓ Supporting more sustainable automated and autonomous space operations.
- ✓ Reducing total lifecycle costs for satellite missions.

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Disclaimer: The JPT150-I2 propulsion system design and specifications are preliminary and subject to change.
For the latest updates, please contact us directly.
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