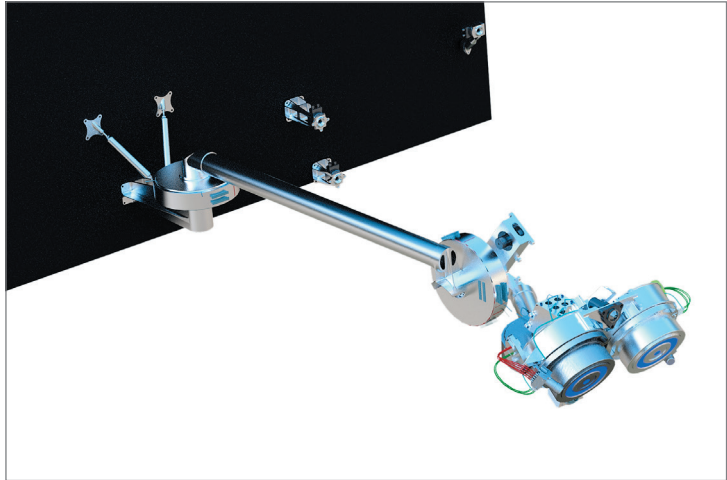


DATA SHEET Three-Axis Stationary Plasma Thruster (TPT)

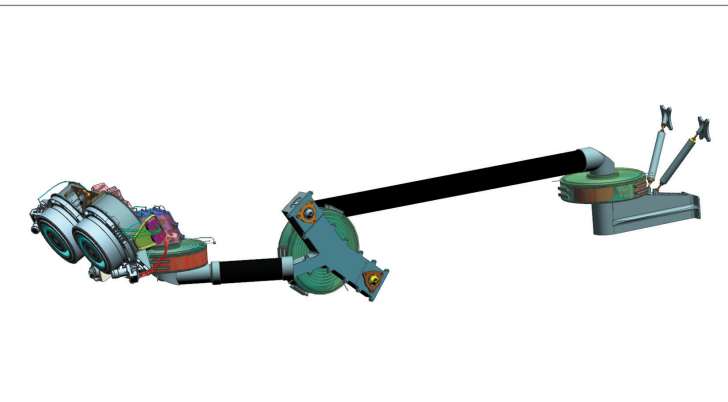
The TPT extended range of motion and its three independent and unaligned axis offers flexibility to provide thrust along all spacecraft axes and, thereby, support any phase of your mission.

| TPT Performances | |
|----------------------|--|
| Full Extension Reach | TPT21: 2.1m |
| | TPT23: 2.3m |
| | TPT25: 2.5m |
| Thrusters | Using Xenon Propellant System includes Fakel SPT-140 thruster and XFC assembly (Option: Busek thruster available) |
| Rotary Actuators | Based on extensively qualified MDA actuators Position sensor: Potentiometers (Option: reed or optical switches system) Small step size: 0.0078 deg/step |
| Joint Angular Travel | 270 deg |
| Mass | <52.5 kg (vary with configuration) |
| Orbit | LEO- MEO- GEO |



Description

- 3 TPT configurations available:
Can be adapted to a wide range of center of mass initial position and variation throughout the mission life
- Achieves different operational configurations:
Electric Orbit Raising (EOR),
On Station Manoeuvre (OSM),
Contingency Electric Orbit Raising (CEOR)
- Compact stowage volume that supports stringent S/C interface constraints
- Design to minimize motion jitter induced to the S/C
- Compliant to Standard MMOD requirements
- Simple customization upon request using a fully qualified Modular Hinge Design



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