



# PJP30



## Plasma Jet Pack technology

### Orbit rising

*Simply disruptive*

This plug-and-thrust, disruptive technology offers low-cost propulsion for smallsats. Small and lightweight, with a lifespan of at least five years, the PJP30 is the first model of a range of thrusters. The PJP30 is modular and Comat can customize it according to customers' needs.



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**PLASMA JET PACK**  
by **comat**

### Main benefits

- ✓ Solid metal propellant
- ✓ Power and mean thrust adjustable without efficiency change
- ✓ High specific impulse
- ✓ Neutral plasma
- ✓ Ibit flexibility from nNs to  $\mu$ Ns as per design concept
- ✓ Compact propulsion module
- ✓ Robust electronics
- ✓ Flat design for easier integration

### Characteristics

Average thrust

**from 0 to 450  $\mu$ N @ 30 W**

Specific impulse ISP

**2,500 s**

Impulse bit

**30  $\mu$ Ns**

Overall mass

**1,000 g**

Overall volume

**10\*20\*5**

Total impulse

**4 kN.s**

Total thrust duration

**100 days @ 30 W**

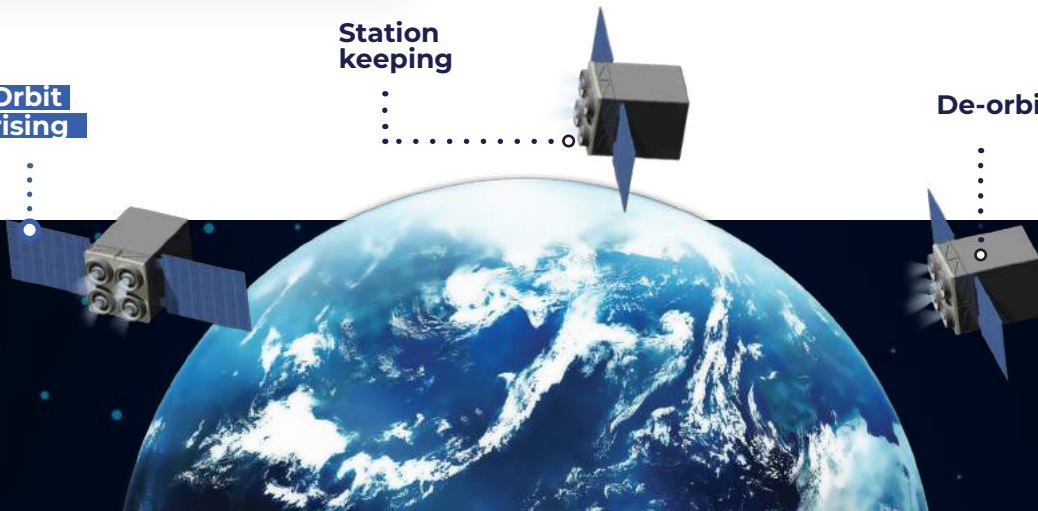
Power interface

**From 0 to 30 W  
based on frequency**

**Orbit rising**

**Station keeping**

**De-orbitation**



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Orbit rising

Electric propulsion

