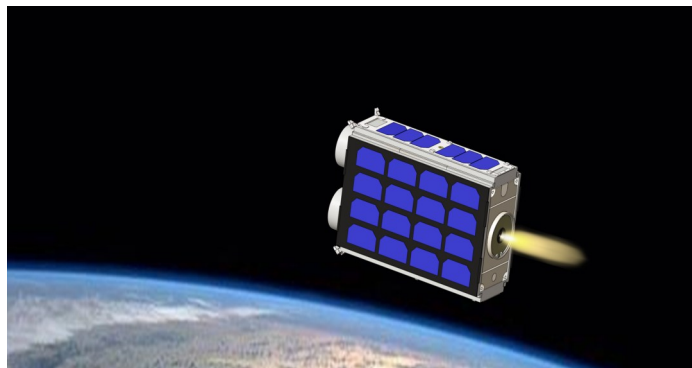




Attainable, Affordable High Performance ΔV for CubeSats



Features

- ◆ 2U Form factor, scalable to larger configurations
- ◆ >10 units per month production rates, <6 months lead
- ◆ High-thrust for rapid impulsive maneuvering
- ◆ Capable of numerous burns (mission/prop dependent)
- ◆ Cold start capability for rapid response
- ◆ “Green” propellants for safety & reduced ground ops cost
- ◆ Long-term storable, both ground and on-orbit
- ◆ RCS for control during maneuvers and small trim burns
- ◆ Low pressure at launch facilitates range safety approval
- ◆ Current TRL 4-5, TRL 6 by 1st Qtr 2026

Parabilis’ Dense Orbital Transfer System (DOTS) enables resilient on-orbit operations of CubeSats by providing high-impulse thrust for on-demand maneuvering capability.

Operational utility includes:

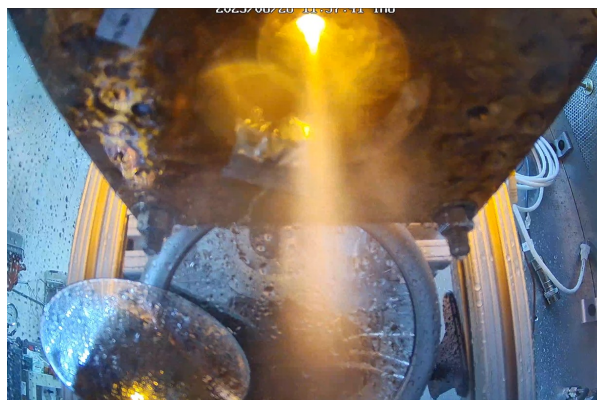
- ◆ Threat or debris avoidance
- ◆ Rapid deployment from host platform
- ◆ Final orbit insertion and/or phasing
- ◆ Plane/inclination changes
- ◆ Reconfiguration of constellations
- ◆ VLEO orbit lowering, altitude maintenance & return
- ◆ Perform end-of-life de-orbit maneuvers

Parabilis Space Technologies, Inc. is an SBA-certified small business with offices located in San Marcos, Calif. and a propulsion test site in Ramona California. Parabilis areas of expertise include:

- ◆ High performance propulsion systems for CubeSat to ESPA Grande Class satellites
- ◆ Refuellable Propulsion Systems Integration
- ◆ Propulsion testing; Parabilis operates its own propulsion test facility

Performance

Parameter	Specification
DOTS Wet Mass	5 kg, 4 kg goal
Volume	2U (10cm x 10cm x 20cm)
Delta-V	>500 m/s for 6U CubeSat
Total Impulse per U	>30% higher than best CubeSat
Thrust	~20 N



DOTS Hotfire Test

Contact: Greg Berg, VP of Business Development
Email: greg.berg@parabilis-space.com Phone: (760) 691-0447