

SmallSat Monoprop/Dual Mode Thruster

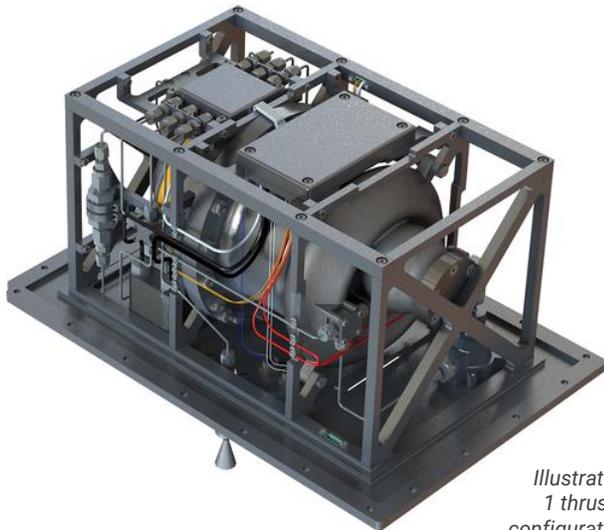


Illustration:
 1 thruster,
 configuration.

Product Highlights

Benchmark Space Systems' Halcyon delivers a **non-toxic ('green'), high thrust** propulsion system to the small satellite market. Our innovations address challenges with alternative systems in this class: lead time, launch safety, and power consumption.

Our proprietary on-demand pressurization technology and non-toxic propellants will **ease your launch manifest and expand your on-orbit capabilities.**

Halcyon is offered in monopropellant HTP or dual mode HTP + Butane creating the most innovative small satellite solution for your high thrust, or pulse-mode operational needs.

First mission is launching in late-2020.

Applications



Orbit Insertion



Collision Avoidance



Station Keeping



Orbit Transfer



Life Extension



RPO & Services

Configurable for 6U - ESPA satellites

Thruster Size(s)	100 mN - 22 N	Nozzle Configuration	1 to 12
Non-toxic Propellant	HTP + (optional) Butane	Power (pressurization)	10 W
Specific Impulse	140s - 320s	Power (standby)	< 0.1 W
Min Impulse Bit	≤ 50 mN·s	Power (thrust valve)	< 3 W