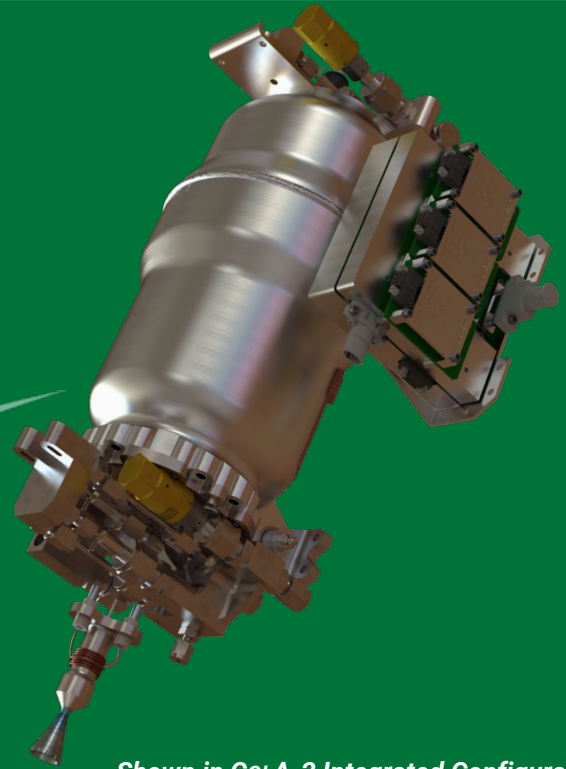


CoLA KIT

Rapid Maneuver Collision Avoidance Kit

BASED ON OUR HERITAGE HALCYON SYSTEM



Shown in CoLA-2 Integrated Configuration

PRODUCT HIGHLIGHTS

Benchmark's Collision Avoidance Kit is a high-thrust, plug-and-play subsystem specifically designed to be easily integrated and operated in various spacecraft configurations and missions. Configured as a 1N blow-down system with intelligent control electronics, it is designed with reliability and affordability in mind.

PRIMARY APPLICATIONS



**Collision
Avoidance**



**Controlled
Deorbit**

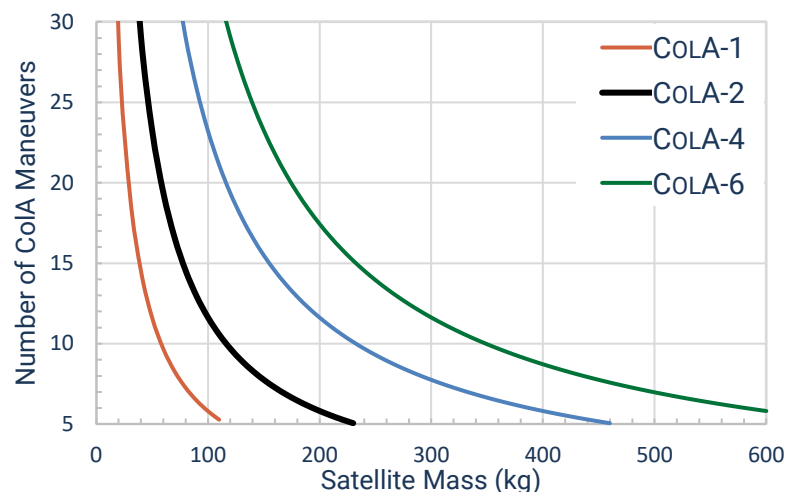
Production Lead Time: 4 months

BenchmarkSpaceSystems.com

MISSION OPTIMIZED TECHNOLOGY

The CoLA Kit can deliver up to dozens of unplanned maneuvers. The Kit is right-sized for microsats and ESPA class spacecraft to provide rapid sidestep maneuvers to enable low thrust or non-propulsive spacecraft to quickly evade conjunction risks and orbital debris.

CoLA Kit - Selection Guide



**Based on a nominal 1 km raise/lower maneuver*

SYSTEM SPECIFICATIONS

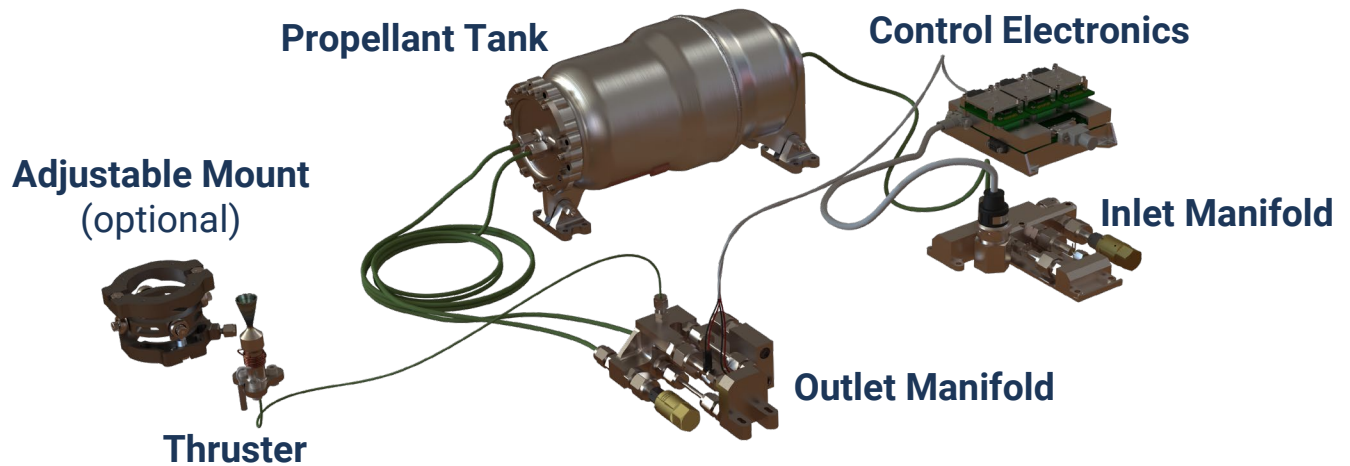
CoLA KIT



INTEGRATED SYSTEM PICTURED ON PAGE 1

PARAMETER	CoLA-1	CoLA-2	CoLA-4	CoLA-6
TOTAL IMPULSE	1000 N·s	2000 N·s	4000 N·s	6000 N·s
THRUST LEVEL	1N	1N	1N	1N
PROPELLANT VOLUME	0.5 L	1 L	2 L	3 L
PROPELLANT MASS	0.7 kg	1.4 kg	2.8 kg	4.2 kg
SYSTEM WET MASS	2.5 kg	3.5 kg	5.7 kg	7.9 kg
INTEGRATED SYSTEM ENVELOPE*	250x120x130mm	330x120x130mm	370x130x140mm	395x150x160mm
TANK ENVELOPE	150x110x130mm	230x110x120mm	270x130x140mm	295x150x160mm

**not including thruster or adjustable mount*



MORE MISSION. LESS COST.

Benchmark is a full lifecycle partner committed to supporting your mission from operational planning through asset decommission in LEO, GEO, and beyond. By combining our heritage propulsion products and advanced control systems with complementary products and services, Benchmark can deliver bundled in-space mobility solutions for 3U through ESPA and OTV spacecraft with significant cost, schedule, and capability benefits over alternative offerings.

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Contact us today to design your system!

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