

Meet

BOOSTER

Standardized propulsion.
Mission-configured.
Built to scale.

SPACE-PROVEN

Liftero's first BOOSTER system launched on SpaceX Transporter-13 in March 2025. It operates nominally in space, and reliably performs orbit changes and test firings.

MODULAR AND SCALABLE

BOOSTER is a high-performance green chemical system based on a flight-proven $\text{N}_2\text{O} + \text{C}_2\text{H}_6$ bipropellant architecture. It's a turn-key system, configurable for spacecraft from 30 kg to ESPA-class platforms.

DESIGNED FOR SCALE,
PERFORMANCE, AND
RELIABILITY

High thrust, faster maneuvers, lower power – everything you need, without the trade-offs that hold your mission back. Delivered in 6-9 months with mission-tailored configurations.



>290 s
Specific Impulse



Up to 14
Thrusters



5–250+ kNs
Total Impulse



Low Power
Consumption



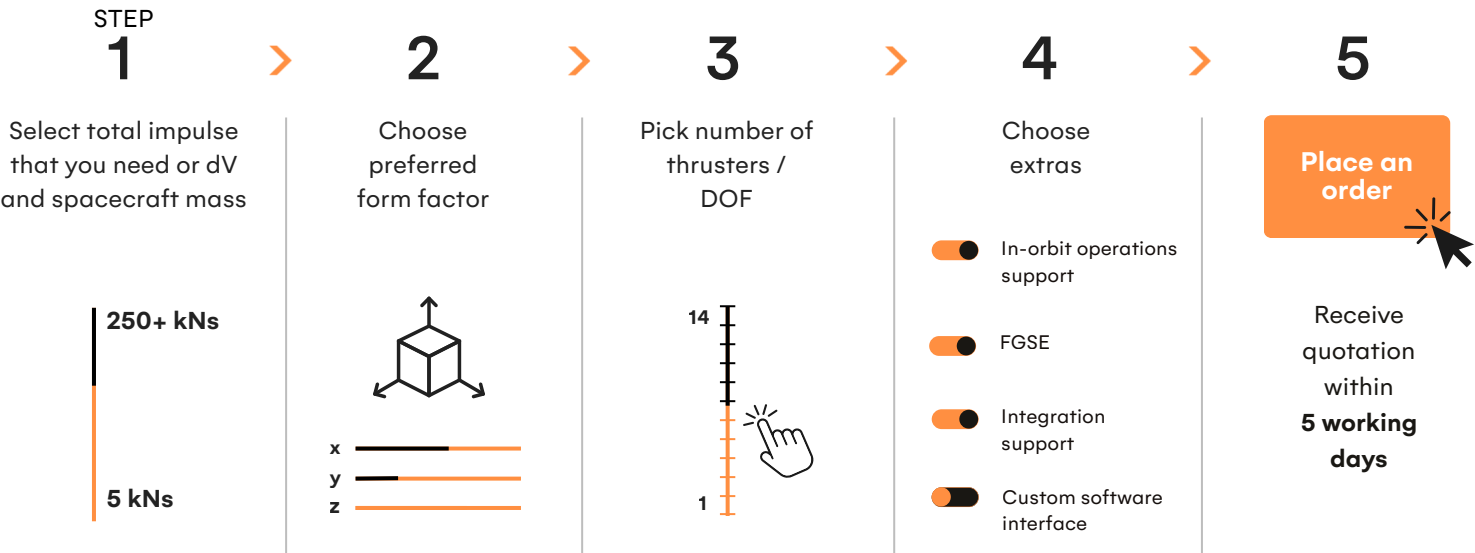
No Burn-time
Limits



6–9 Month
Lead Time

BUILDING BOOSTER FOR YOUR MISSION

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EXAMPLE BOOSTER CONFIGURATIONS

	11 kNs class	25 kNs class	80 kNs class
Thrusters:	1 x 1N	4 x 5N / 4 x 1N	4 x 20N
Indicative wet mass:	13-16 kg	27-33 kg	60-80 kg
Example form factor:	320 x 500 x 144 mm	450 x 450 x 250 mm	800 x 700 x 245 mm
Typical spacecraft mass range:	50-100 kg	100-200 kg	> 500 kg

BOOSTER’S PROVEN PERFORMANCE

Numbers backed by ground and in-space test data

Up to 294 s Specific impulse

Industry-leading specific impulse.

300 °C Temperature at steady state

Cold-start capable. No preheating.

< 24 mNs Impulse Bit

No thermal impact on the payload.

Green Non-toxic propellants

90% lower ops cost vs. hydrazine.