

MEET BOOSTER

GREEN CHEMICAL PROPULSION FOR SMALL SATELLITES



SPACE-PROVEN

Liftero's first BOOSTER propulsion system was successfully launched aboard the SpaceX Transporter-13 mission in March 2025. Now operating nominally in orbit.

MODULAR AND SCALEABLE

BOOSTER is a configurable propulsion system **built for 20-500 kg satellites**. Whether you need precise station-keeping or a major orbit change, BOOSTER scales with your platform - delivering **total impulse between 5 to 250+ kNs**.

SEE WHY SMALL SATELLITES TEAMS ARE SWITCHING TO BOOSTER



10 x Faster Than Electric Propulsion

Complete maneuvers in seconds, not weeks - perfect for time-critical missions.



No Surprises in Orbit

Unlike EP, BOOSTER fires reliably every time - no failure prone electronics, no fragile components.



Affordable Propellants

Negligible cost, available worldwide, no special infrastructure or safety requirements.



Precise Impulse Bits

Fine station-keeping and attitude adjustments as with EP.



No Overheating

Little thermal impact on your satellite and continuous operation without limits.



Low Power

Use your precious energy for your payload, not propulsion.

BUILD YOUR BOOSTER IN 5 STEPS

STEP 1

Select total impulse that you need or dV and spacecraft mass.



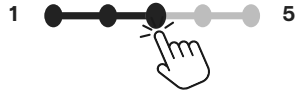
STEP 2

Choose preferred form factor.



STEP 3

Pick number of thrusters / DOF.



STEP 4

Choose extras.

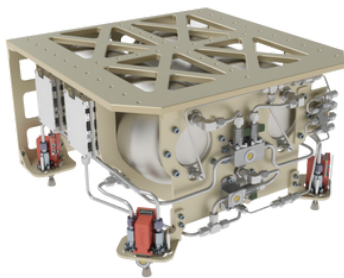
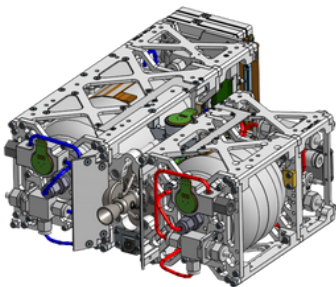
- ☐ Custom software interface
- ☐ In-orbit operations support
- ☐ Fuel Management Ground Support Equipment
- ☐ On-site integration support

STEP 5

Place an order.

Receive quotation within 5 working days

EXAMPLE BOOSTER CONFIGURATIONS



BOOSTER 5	BOOSTER 10	BOOSTER 50
20 - 50 kg satellite class	30 - 100 kg satellite class	150+ kg satellite class
Total impulse: 5 kNs	Total impulse: 10 kNs	Total impulse: 50 kNs
Wet mass: 6.15 kg	Wet mass: 12.70 kg	Wet mass: 38.20 kg
Volume: 240x240x180 mm3	Volume: 300x300x240 mm3	Volume: 580x580x300 mm3
Thrusters: 1x1N	Thrusters: 1x1N	Thrusters: 4x1N

BOOSTER’S PROVEN PERFORMANCE

All metrics shown are backed by data

290 s

SPECIFIC IMPULSE
Competition: < 275 s

0s

PREHEATING TIME
Competition: even minutes

300 °C

TEMPERATURE AT STEADY STATE
Competition: no steady state

Green

NON-TOXIC PROPELLANTS
Compared to toxic: 90% lower ops cost