

MEET MAXWELL

PLUG-AND-PLAY ELECTRIC PROPULSION FOR SMALLSATS

Maxwell is a turn key propulsion system for small satellites (20-500 kg). It's designed around Phase Four's proprietary radio-frequency thruster (RFT) technology, which eliminates the manufacturing challenges around traditional thrusters, reducing lead times and costs by over 75%.

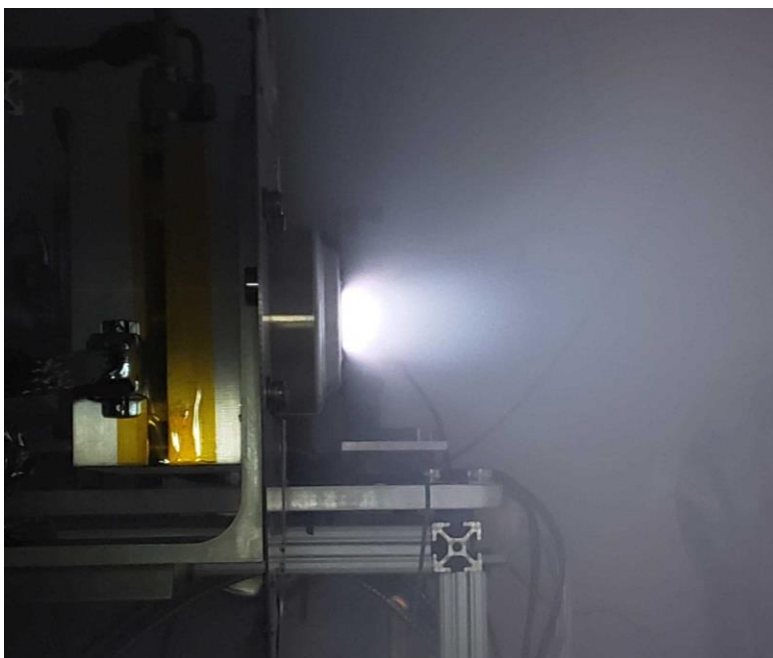


MISSION-OPTIMIZED SPECIFICATIONS

OPERATING POWER	300 – 500 W
THRUST OUTPUT	6.0 – 10.0 mN
SPECIFIC IMPULSE	700 – 1,400 s
TOTAL IMPULSE*	7,000 – 14,000 Ns
START TIME	Instantaneous
WET MASS	< 7 kg
SYSTEM DIMENSIONS	Thruster: 18.7 cm W x 13.5 cm H x 5.1 cm D Cowling: 5.1 cm H x 8.9 cm OD Prop Controller: 18.3 cm W x 13.4 cm H x 10.1 cm D

**Total impulse assumes 1 kg of xenon propellant.*

PHASEFOUR



FAST

Mass-manufacturable, with lead times as short as two months from order to delivery. Simple installation and operation with instantaneous startup.

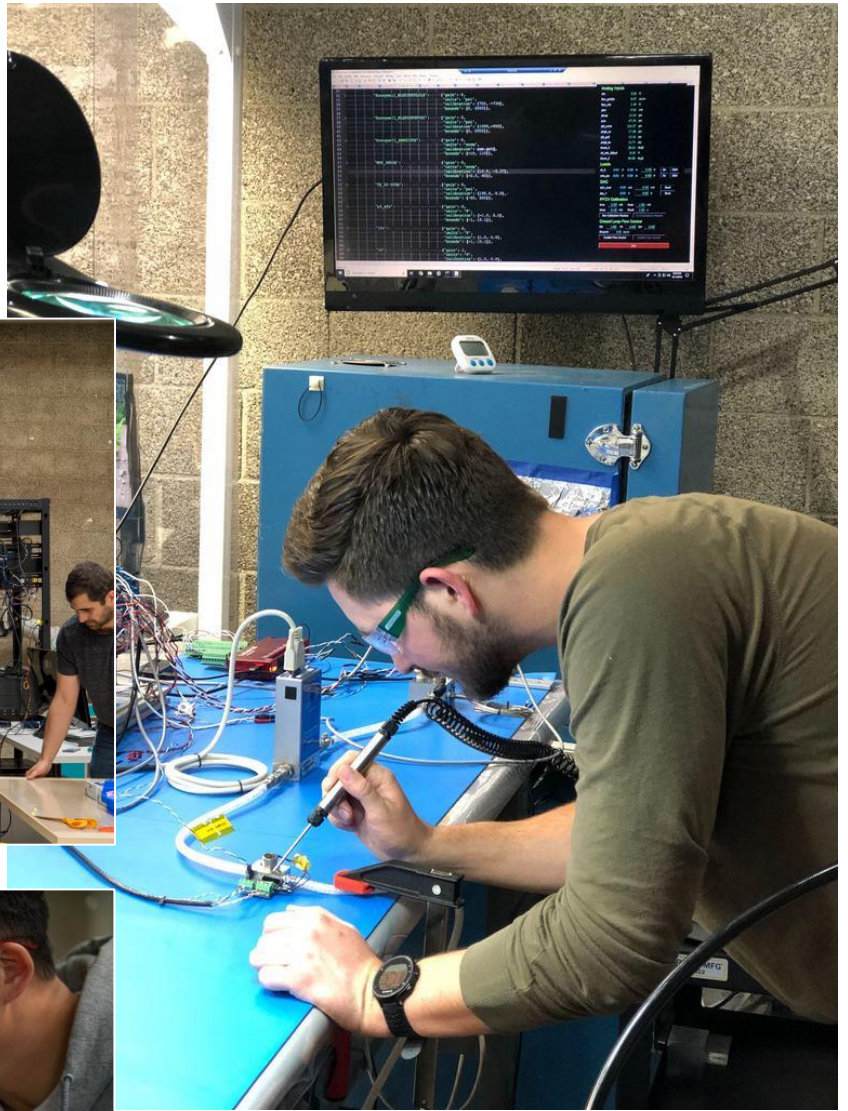
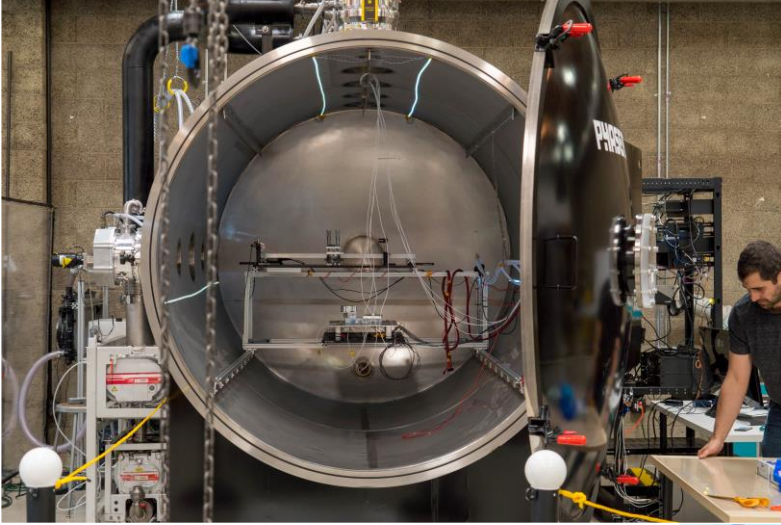
COMPACT

The RFT's low mass power electronics are contained in a small form factor, capitalizing on advancements in the RF wireless charging industry.

COST-EFFECTIVE

Pricing starts at \$200,000 per unit. Volume discounts available.

INNOVATION ENABLED BY



RAPID ON-SITE PROTOTYPING AND TESTING

BLOCK 'N' OPTION

Maxwell, optimized to your mission requirements.

HIGHER OPERATING POWER	500 W – 1 kW
LARGER TANK VOLUME	medium, large
PROPELLANT	Xe, Kr, Ar—any neutral gas
THRUSTER ARRAYS	2x, 3x, 4x



SET SCOPE

PROPOSAL PRESENTED

CONTRACT

DELIVERY

PH