



FT-H RANGE

ENHANCED INTELLIGENCE. ROBUST IMMUNITY.

MODERN THROTTLEABLE HYBRID ROCKET MOTOR

The EDGE FT-H range of hybrid rockets offers exceptional propulsion solutions for sounding rockets and small launcher programs. This range uses fuel-oxidizer combinations that enable throttleable and inherently safe motors.

The FT-H-1600 offers a dual-use application with UAE sovereign IP and a fuel-oxidizer combination of HDPE and N_2O delivering 1600 N of thrust, making it additionally suitable for rocket-assisted take-off.

The FT-H-500 combines 500 N of thrust, a 13-kilogram take-off weight, and a 2.4-kilometre apogee, making it more cost-effective for experimentation and subscale testing and evaluation.

SPECIFICATIONS

KEY FEATURES

- Throttleable and inherently safe motors
- Thrust from 500 N to 1600 N

TECHNICAL DATA

FT-H-1600	
Diameter:	130 mm
Length:	1000 mm
Thrust:	1600 N
Action time:	10s
Chamber pressure:	2.5 MPa
Fuel / oxidizer:	Paraffin / GOX
FT-H-500	
Diameter:	150 mm
Length:	600 mm
Thrust:	500 N
Efficiency:	94%
Fuel / oxidizer:	HDPE / N ₂ O