



Brumbasse-500-3

Hybrid rocket propulsion system for Rocket Assisted Take-off (RATO)



Launch anywhere - free from infrastructure

Launch UAVs from sea, trucks and terrain without dependency on runways, catapults and bulky infrastructure.

Platform agnostic & Enable swarm launch-capacity

Can be adapted to any 50 kg - class UAV, enabling deployment of swarms of UAVs with no load time utilizing zero-length rails.

Sovereign and de-centralized mass-production

Utilizing only European industrial inputs, ADR.2-class energetic-materials, and no third-country export control over resupply (ITAR-free) allow fast, sovereign, and de-centralized mass-production capacity.

CHARACTERISTICS

Role	Rocket Assisted Take-off
Thrust	500 Newton
Burn-time	3 seconds
Max Take-off Weight	50 kg with dual motor configuration
Launch speed at MTOW	20-30 m/s (approximation)
Propulsion	Hybrid rocket propulsion system
Weight	4 kg
Length	45 cm
Target unit cost	< EUR 2,000 per motor

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