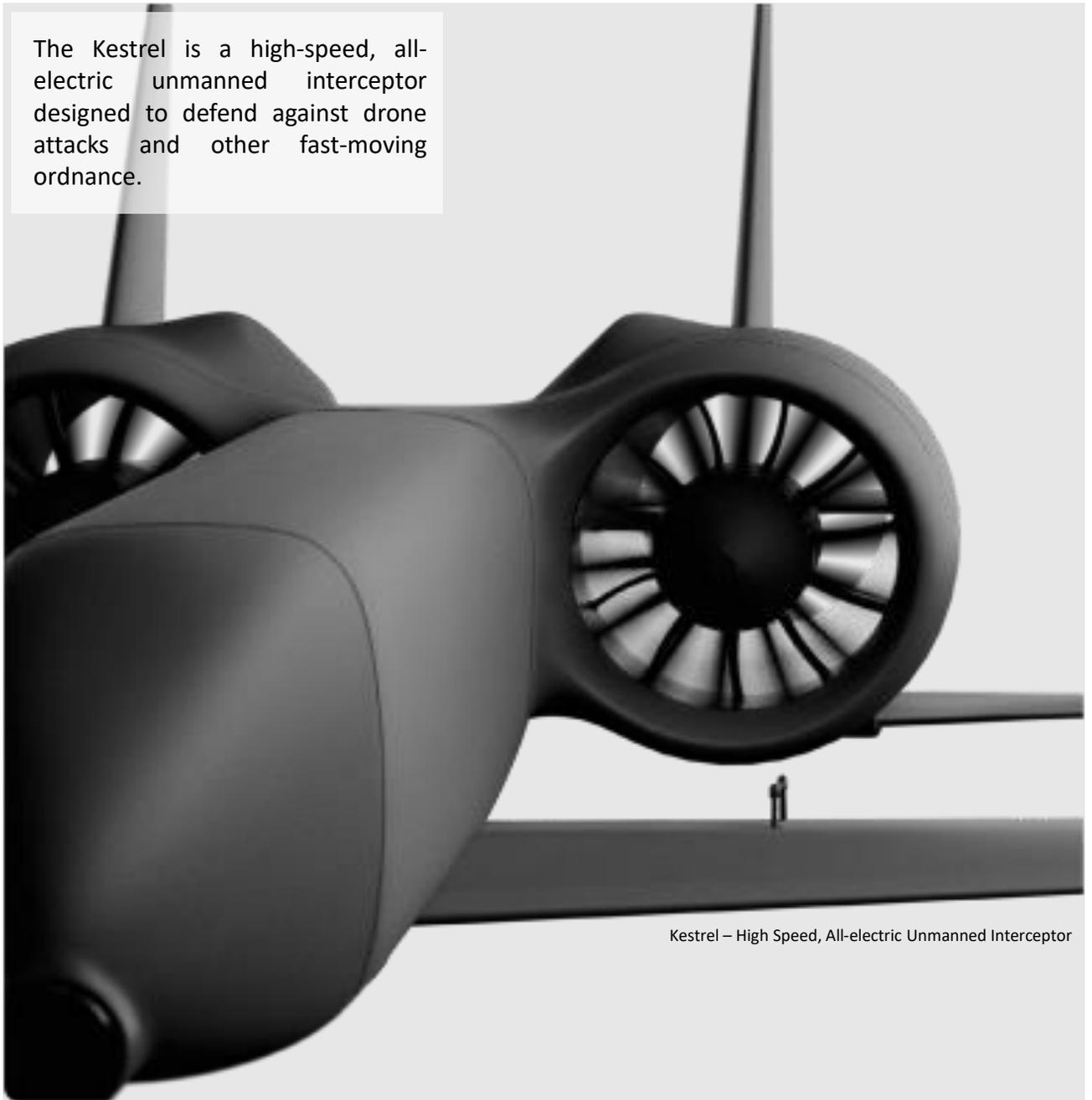


Kestrel – High Speed, All-electric Unmanned Interceptor

The Kestrel is a high-speed, all-electric unmanned interceptor designed to defend against drone attacks and other fast-moving ordnance.



Kestrel – High Speed, All-electric Unmanned Interceptor



615km/h Top Speed



15-20kg MTOW



1.5m Length

Kestrel – Defending people & infrastructure from one-way drone attacks



Speed - Kestrel engines enable flight speeds up to half the speed of sound.

This straight-line-speed makes it possible for Kestrel to intercept fast moving ordnance, including missiles, drones & low-flying aircraft.



Versatility - Kestrel's small size, coupled with an ability to be rail launched, make it an ideal candidate for truck launching. This mobility is key to operational effectiveness on the battlefield, where new threats evolve to bypass stationary defences.



Response - Unlike traditional propulsion methods, Kestrel's all-electric design allows for it to respond instantly to threats, with zero warm-up time. This is especially effective against low-flying ordnance, which may only be detected at close proximity.

Top Speed Comparison (ASL)

Shahed Drone

185 km/h

Red Bull Fastest FPV Drone

349 km/h

Rolls Royce Spirit of Innovation

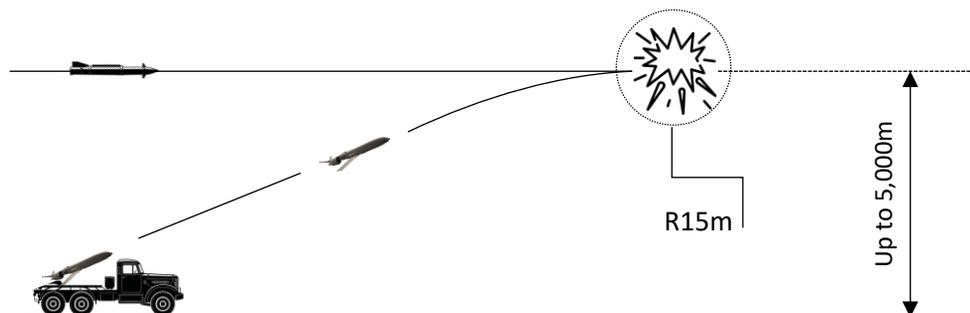
555 km/h

Kestrel

615 km/h

Effective Against

- ✓ One-way drones
- ✓ Glide bombs
- ✓ Low-altitude aircraft
- ✓ Subsonic missiles



1. Incoming threat is detected

2. Ground station identifies & tracks

3. Interceptor is launched

4. Explosive charge disables threat

Kestrel UAV Variants (no munition or payload)

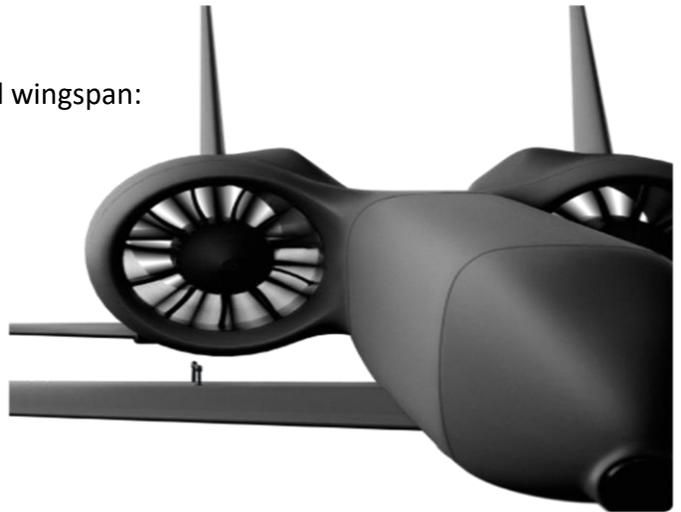
1. Variants Overview:

All variants are roughly the same length and wingspan:

- ✓ 1.4m length (1.5m length P0.2)
- ✓ 1m wingspan

2. Manufacture and Materials:

- ✓ Plastic airframes, containing:
- ✓ Control system
- ✓ Powertrain
- ✓ Engines
- ✓ No payload or munition.



			
Variant:	P0.1 Landing Gear	P0.1	P0.2
V-Max/ speed:	64 m/s 230 km/h	83 m/s 299 km/h	140 m/s 504km/h
V-Stall:	22 m/s	22 m/s	30 m/s
Range	15km	20km	17km
MTOW:	7.5kg	7.5kg	11kg
Payload Capacity:	0.3 - 0.5kg	0.6 - 0.75kg	1.5 – 2kg
Payload space claim:	Ø80 × 50 mm	Ø80 × 100 mm	Ø80 × 100 mm
Endurance:	4 minutes	4 minutes	2 minutes

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