ROTRON
AN ONDAS COMPANY



GROUP 2 UAS

Talon DT-150

Fully electric, multi-role UAV system.
Industry Leader In: Payload / Range / Costs / Deployability.

The TALON DT-150 is a very compact Group 2 unmanned aerial system (UAS) developed as a smaller counterpart to the TALON DT-300. Designed for versatility and portability, the DT-150 serves various applications, including reconnaissance, surveillance, and target acquisition as well as the ability to deliver useful logistics or three One Way Effect (OWE) explosive attack drones.

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| OVERVIEW

The Talon DT-150 is a compact Group 2 unmanned aerial system designed for versatile, portable operations, delivering reconnaissance, surveillance and target acquisition capabilities, with the ability to carry logistics payloads or deploy up to three air-launched drones.

01: 2-Blade Tail Rotor

The Talon DT-150's rear tail rotor features a lightweight two-blade design, optimised for precise yaw control, enhanced stability, and reduced noise. It effectively counteracts the torque produced by the main rotor, ensuring accurate heading adjustments during both hover and forward flight.

02: Lightweight Tail Fin

The tail fin is a lightweight, aerodynamically refined stabiliser designed to enhance yaw stability, protect the tail rotor and improve overall flight performance. Its optimised structure reduces weight while maintaining strength and efficiency, supporting the Talon DT-150's precise and reliable operation across a range of flight conditions.

03: Unique Rotor Head

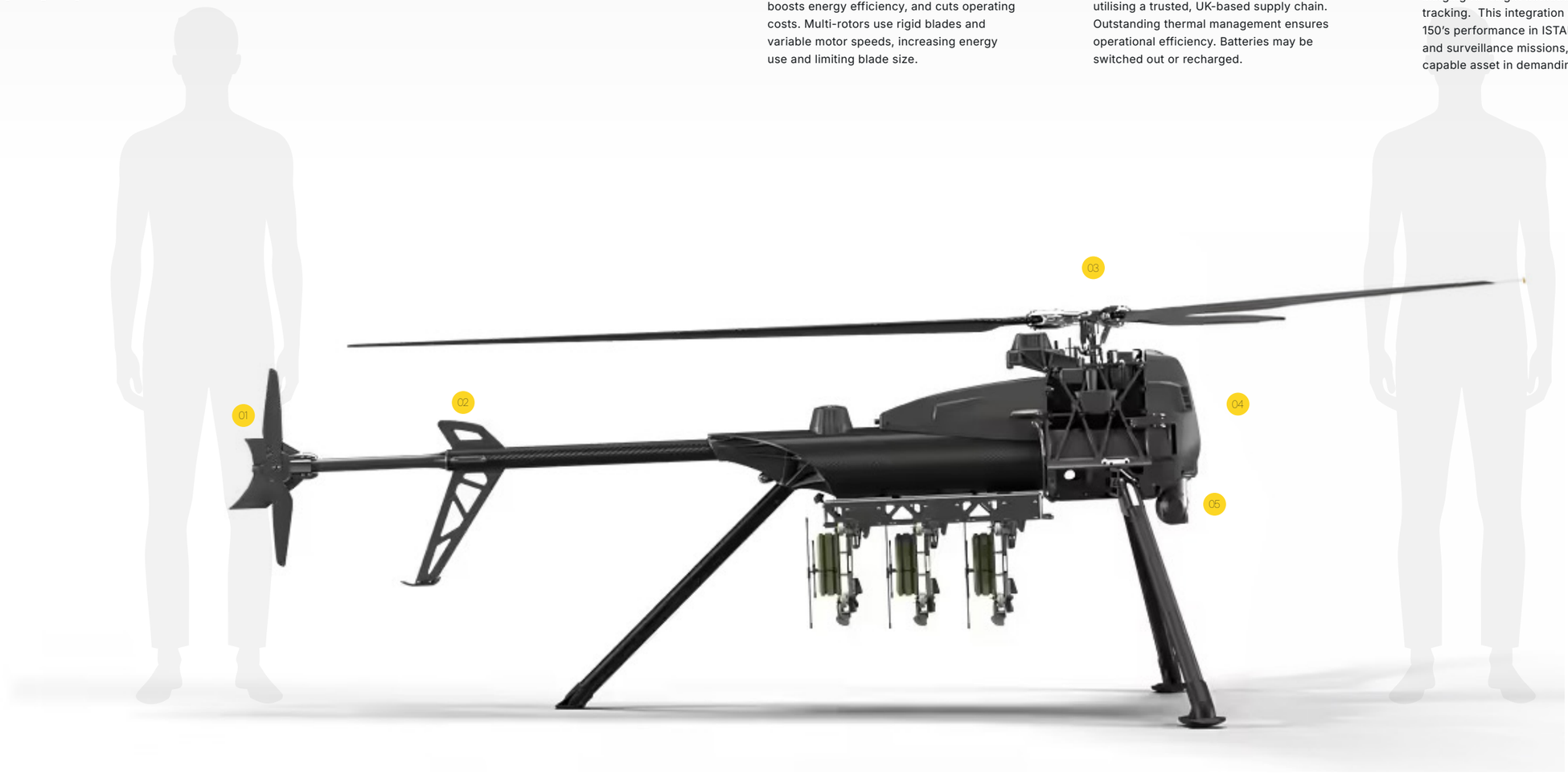
Rotron's three-bladed rotor head provides cyclic and collective pitch control, enabling electro-mechanical stabilization and efficient lift. With about 30% fewer moving parts and driverless swashplate, it lowers complexity, boosts energy efficiency, and cuts operating costs. Multi-rotors use rigid blades and variable motor speeds, increasing energy use and limiting blade size.

04: Efficient Propulsion System

A proprietary, liquid cooled electric propulsion system, accessible when the camera is deployed.Batteries (lithium-ion), battery management system and motors are to Rotron specification, integrated by Rotron utilising a trusted, UK-based supply chain. Outstanding thermal management ensures operational efficiency. Batteries may be switched out or recharged.

05: Raptor Camera

The Talon DT-150 features the NextVision Raptor – a lightweight, long-range dual EO-IR stabilized turret. With extended IR range and X80 EO zoom, it delivers outstanding imaging for target detection, identification, and tracking. This integration enhances the DT-150's performance in ISTAR, reconnaissance, and surveillance missions, making it a highly capable asset in demanding environments.



| KEY FEATURES

Unmatched electric VTOL range for payload delivery

Rotor Size
1 X 3.5M (11ft)

MTOW 50KG
(With 22.5kg payload)

Max Altitude
2,250m (7,400ft)

Endurance
90mins (5kg payload)

Cruise Speed
80km/h (50mph)

Max Drop Radius
40km (with 15kg payload)

Boxed Dimensions
117cm x 53cm x 27cm

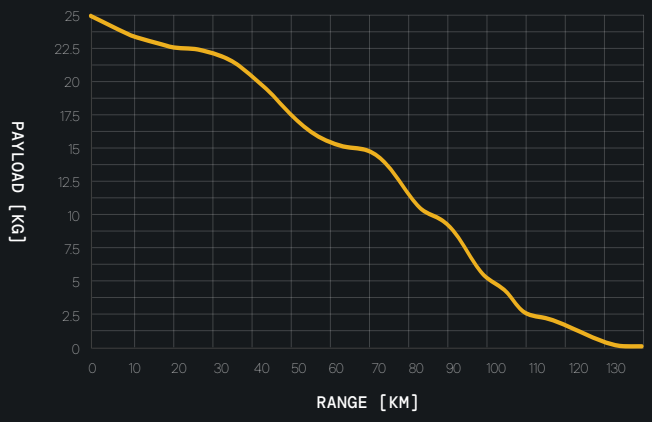
Max Range 126KM
63km (with 15kg payload)

Learn more:

Adaptable:	Configurable to accommodate payloads up to 22.5kg (50 lbs)
Deployable:	The rotor blades and aircraft fuselage fold into a very compact form factor.
Simple:	Electric Operation. Industry Standard User Interface. Operator training in 1 hr.
Reliable:	1000 hrs TBO (Time Between Overhaul).
High Availability:	Rapid Battery Changing and Charging.
Sustainable:	Reusable system, not a one way effector.
Stability:	Cyclic and collective control of the rotor blades and a high thrust to weight ratio. Ensures high stability in cross winds and turbulence and maintenance of target lock.
Efficient:	Rotors design produces Forward Transitional Lift with limited energy wasted on the tail rotor.
Home Grown:	Built in UK and not reliant on Far Eastern components.
Cost Effective:	Used in place of manned helicopters.
Environment:	IP67 rated.

Talon DT-150 Performance

| PERFORMANCE DATA



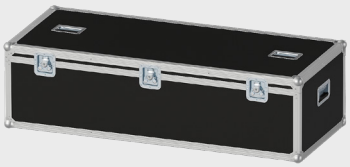
| PAYLOAD V RANGE METRICS

PAYLOAD	MAX RANGE [ONE WAY]	DROP RADIUS [OUT & RETURN]
0kg (0lbs)	126km (78mi)	63km (39mi)
2.5kg (5.5lbs)	104km (65mi)	52km (32mi)
5kg (11lbs)	95km (59mi)	49km (30mi)
10kg (22lbs)	81km (50mi)	45km (28mi)
15kg (33lbs)	63km (39mi)	40km (25mi)
22.5kg (50lbs)	23km (14mi)	13km (8mi)

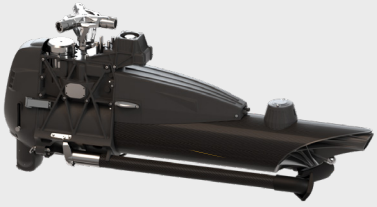
* Fly out with Payload – Drop Payload – Return with zero Payload

Zero payload includes Raptor EO/IR camera and DTC long-range digital data link (up to 60km / 37MI LOS)

| FLIGHT READY IN 4 MINUTES



EASILY STORED & TRANSPORTED (SUV)



FOLDED DT-150 REMOVED FROM BOX



LEGS AND CAMERA UNFOLDED, PAYLOAD RACK ASSEMBLED

About Rotron Aerospace

Rotron exists to create a safer world by transforming defence with relentless innovation. We are an advanced defence technology company that believes aerospace innovation can always Go Further. From propulsion to advanced autonomous systems, Rotron combines engineering expertise with creative problem-solving.

Founded in the UK in 2008, Rotron is now trusted by the world's leading defence and aerospace organisations to safeguard missions, reshape aerospace platforms, invent the impossible and create a safer world.

ROTRON

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