

TALON DT-150

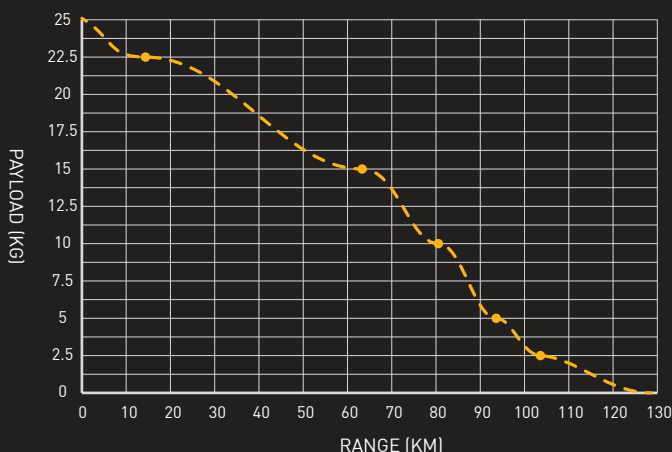
GROUP 2 UAS, FULLY ELECTRIC, MULTI-ROLE UAV SYSTEM
INDUSTRY LEADER IN: • PAYLOAD • RANGE • COSTS • DEPLOYABILITY



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 support with up to three FPV drones.**

The Talon DT-150's development reflects the growing demand for UAS that combine ultra portability with the ability to carry more than a camera.

PERFORMANCE DATA



PAYLOAD V RANGE METRICS

PAYLOAD	MAX RANGE (ONE WAY)	*DROP RADIUS (OUT & RETURN)
0 KG	126 KM	63 KM
2.5 KG	104 KM	52 KM
5 KG	95 KM	49 KM
10 KG	81 KM	45 KM
15 KG	63 KM	40 KM
22.5 KG	23 KM	13 KM

*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 LOS)



ROTOR SIZE
1 X 3.5M (11.5FT)



MTOW 50KG
(WITH 22.5KG PAYLOAD)



CRUISE SPEED
80KM/H (50MPH)



BOXED DIMENSIONS
L:117CM W:53CM H:27CM



MAX DROP RADIUS
40KM (WITH 15KG PAYLOAD)



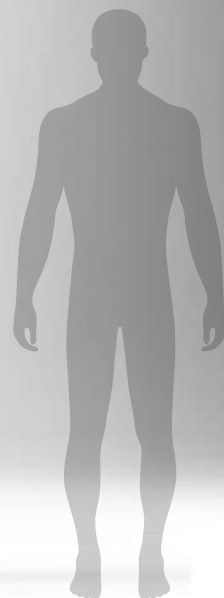
MAX RANGE: 126KM
15KG PAYLOAD: 63KM



ENDURANCE
54MINS (5KG PAYLOAD)



MAX ALTITUDE
2,250M (7,400FT)



THE DT-150 CAN BE EQUIPPED WITH UP TO 3 DRONES OR ALTERNATIVELY CARRY UP TO 22.5KG OF CARGO BAGS

FLIGHT READY IN 4 MINUTES

TALON DT-150



EASILY STORED &
TRANSPORTED (SUV)



FOLDED DT-150
REMOVED FROM BOX



LEGS AND CAMERA
UNFOLDED, PAYLOAD
RACK ASSEMBLED

- **SURVIVABLE:** EQUIPPED WITH HARDENED GPS, FREQUENCY-HOPPING DATA LINKS, AND AUTONOMOUS FLIGHT CAPABILITIES ENSURE RELIABLE OPERATIONS IN JAMMED AND GPS DENIED ENVIRONMENTS. VERY LOW NOISE AND RADAR SIGNATURE. ENGAGES TARGETS FROM LONG RANGE.
- **ADAPTABLE:** CONFIGURABLE TO ACCOMMODATE PAYLOADS UP TO 22.5KG (50 LBS), OFFERING MISSION FLEXIBILITY.
- **DEPLOYABILITY:** FEATURES DETACHABLE ROTOR BLADES FOR A COMPACT FORM FACTOR TRANSPORTABLE BY SUV. READY FOR FLIGHT IN 4 MINS.
- **SUSTAINABLE:** REUSABLE SYSTEM, NOT A ONE WAY EFFECTOR.
- **SIMPLE:** FULLY ELECTRIC OPERATION WITH AN INTUITIVE, INDUSTRY-STANDARD USER INTERFACE. OPERATORS CAN BE TRAINED IN JUST 1 HOUR.
- **RELIABLE:** DESIGNED FOR 1000 HOURS TBO (TIME BETWEEN OVERHAUL) TO ENSURE LONG-TERM DURABILITY.
- **HIGH AVAILABILITY:** FEATURES RAPID BATTERY CHANGING AND CHARGING CAPABILITIES TO MINIMIZE DOWNTIME.
- **STABLE:** ADVANCED CYCLIC AND COLLECTIVE ROTOR CONTROL, PAIRED WITH A HIGH THRUST-TO-WEIGHT RATIO, ENSURES STABILITY IN CROSSWINDS, TURBULENCE, AND MAINTENANCE OF TARGET LOCK.
- **EFFICIENT:** ROTOR DESIGN MAXIMIZES FORWARD TRANSITIONAL LIFT WITH LIMITED ENERGY WASTED ON TAIL ROTOR.
- **EXTREME WEATHER CAPABLE:** PROVIDES SUPERIOR CONTROL IN HIGH WINDS WITH IP67 WATERPROOFING FOR RESILIENCE IN HARSH CONDITIONS.
- **SOVEREIGN CAPABILITY:** DESIGNED AND MANUFACTURED IN THE UK, FREE FROM RELIANCE ON FAR EASTERN COMPONENTS.
- **COST EFFECTIVE:** REDUCES RELIANCE ON MANNED HELICOPTERS FOR SELECT MISSIONS, PRESERVING VALUABLE FLIGHT HOURS FOR CRITICAL OPERATIONAL TRAINING AND TASKS.

ABOUT ROTRON AEROSPACE



Rotron Aerospace are specialists in designing and manufacturing UAS propulsion systems and VTOL aero-systems. As industry leaders and operators of long-range VTOL air systems, Rotron Aerospace enables safe and cost effective aerial intelligence solutions for surveillance, inspection, search and rescue missions, cargo delivery and aerial deployment of FPV drone systems beyond visual line of site.

Founded in 2008 to create the lightest, most powerful, and vibration-free power units, Rotron Aerospace now supplies some of the world's largest aerospace OEMs and UAS manufacturers.

9 CHALDICOTT BARNES, TOKES LANE, SEMLEY, DORSET SP7 9AW
REGISTERED IN ENGLAND, NO. 07120913
+44 (0)1747 440 510 | INFO@ROTRONAERO.COM | ROTRONAERO.COM

