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Woot Tech Aerospace

Since its inception in 2021, Woot Tech has been a pioneer in drone development and has engineered a diverse range of Unmanned Systems.

Our portfolio includes a spectrum of unmanned aerial vehicles, from agile rotary wings, steadfast fixed wings, and our flagship hybrid VTOLs.

These hybrid VTOLs exemplify our dedication to cutting-edge technology, seamlessly integrating the vertical take-off and landing capabilities of the helicopters with the efficient flight characteristics of traditional airplanes.

At Woot-tech, we design and manufacture UAVs for security, inspection, cargo delivery, mapping, communication and agriculture.

Woot Tech Defence

Defence, is a division of Woot-Tech, specializes in crafting innovative and affordable Unmanned Aerial Systems for combat and defence.

Our lineup features loitering munitions and VTOL target drones, precisely tailored to meet the demands of modern battlefields, particularly for intricate and dynamic kinetic operations in combat theaters.

Features of our UAV Systems



Unmanned
Aerial Systems



Payload
Management



C4I
Communication



Ground Control
Station



Warhead
Management



SKYBORNE
i n n o v a t i o n s

WOOTTECH



Bilal A. Siddiqui, Ph.D.



At Woot-Tech, we believe in pushing boundaries, unlocking new possibilities in unmanned aerial technology.

Our relentless pursuit of innovation stems from a deep-seated commitment to revolutionize the aerospace industry. We are not just building drones; we are crafting a future where precision, reliability, and cutting-edge technology converge seamlessly.

With a dedicated team of engineers, designers, and visionaries, we channel our expertise to create solutions that resonate with our clients globally. Each drone crafted at Woot-Tech reflects our unwavering commitment to excellence, pushing us to explore uncharted territories and provide our customers with unparalleled capabilities.

Join us on this journey as we continue to soar to new heights, driven by a vision that propels not just our company, but the entire industry, into the future.

Bilal Siddiqui
Founder & CEO
Woot Tech Aerospace

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UAV Fleet 2024

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FIRE-BOLT

VTOL Jet Target Drone



The Fire Bolt Jet represents cutting-edge technology in the realm of unmanned aerial vehicles (UAVs), specifically tailored for target drone applications.

Featuring a MTOW of 25kg and equipped with a turbojet engine, this UAV has an impressive speed of 500km/hr and can operate at altitudes of up to 3000m.

Specifications



Max Payload
10 kg



Ceiling
3000 m



Communication Range
upto 150 km



Cruise Speed
upto 500 km/h



Turbo Jet Engine Thrust
25 kg



Endurance
Upto 60 min



ALIEN-X

Cargo/Surveillance Drone



Introducing AlienX, the colossal VTOL drone, featuring a 50kg MTOW and an endurance of upto 8 hours.

Unleash its unrivaled power and optimized aerodynamics as it soars through the skies, standing out among other VTOL drones and featuring the payload delivery at an astonishing cruise speed of 150 km/hr.

AlienX - where innovation takes flight!

Specifications



Max Payload
10 kg



Ceiling
Upto 3000 m



Communication Range
Upto 150 km



Cruise Speed
150 km/hr



Max Flight Distance
1000 km



Endurance
upto 8 hours

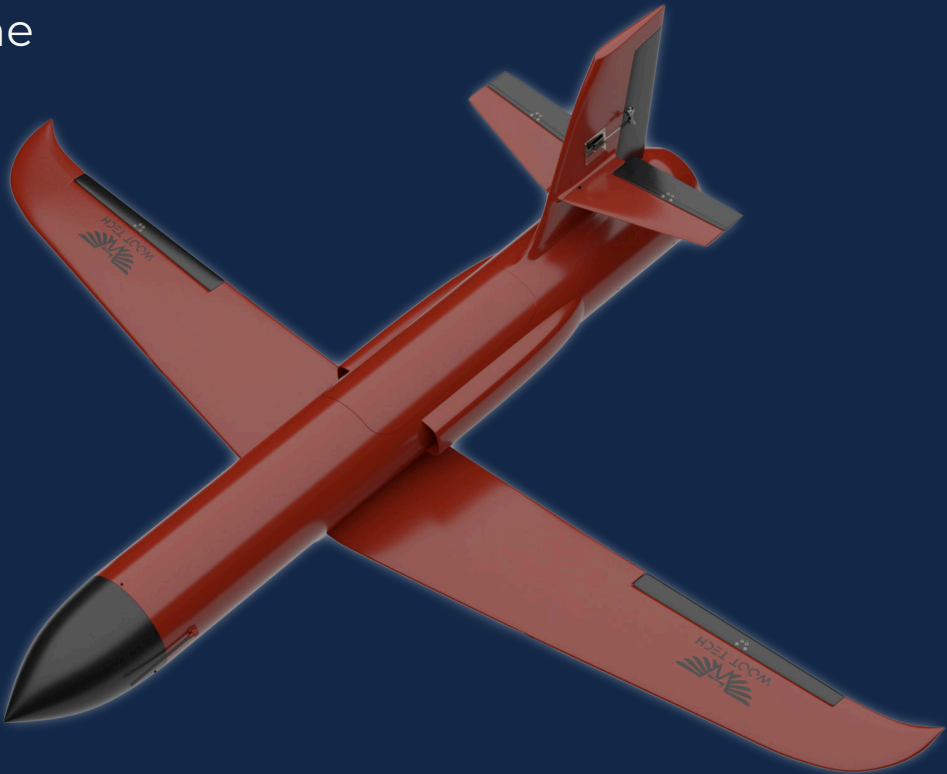
ALIEN-X SD

A mini variant of Alien-X featuring a wing span of 3m with a MTOW of 25kg and a 5kg payload capacity is also available



NIMBUS 2K

High Speed Target Drone



The Nimbus 2k, a high speed target drone and yet another unique innovation and one of the most prestigious drone of our fleet of unmanned systems, tailored for target drone applications.

Featuring a MTOW of 25kg and equipped with a turbojet engine, this UAV features an impressive speed of upto 630 km/hr and can operate at altitudes of up to 3000m

Specifications



Max Payload
10 kg



Ceiling
3000 m



Communication Range
upto 150 km



Take-off
Catapult/Rocket



Recovery
Parachute



Cruise Speed
upto 630 km/h



Turbo Jet Engine Thrust
450 Newtons



Endurance
Upto 60 min



FIRE-FLY

VTOL Target Drone



Introducing FireFly , a VTOL target drone for precision and versatility. It is designed for a payload capacity of 3kg, and stands-out as an efficient platform for various missions.

Featuring a cruise speed of 180 km/hr, and a remarkable endurance of 60 minutes, which allows ample time for extended missions, making it an ideal choice for training exercises, target practice, and surveillance operations

Specifications



Max Payload
3 kg



Ceiling
1500 m



Communication Range
Upto 150 km



Cruise Speed
180 km/h



Max Flight Distance
150 km



Endurance
upto 60 min



BIRD-X

Air Logistics Drone



Introducing SB525 Bird-X, our advanced autonomous cargo drone designed for long-range, high-load air logistics. Weighing 100 kg and equipped with a fixed wing, this drone eliminates the need for a runway, as it can vertically take off and land using electric motors.

Its forward flight is powered by a top-of-the-line 16kW two-stroke engine, providing an endurance of upto 15 hours and at a cruise speed of 150 km/h.

Specifications



Max Payload
30 kg



Ceiling
5000 m



Communication Range
Upto 250 km



Cruise Speed
150 km/h



Max Flight Distance
2000 km



Endurance
upto 15 hr



SURVAIR

Mapping/Surveillance Drone



Survair distinguishes itself as a dedicated fixed-wing VTOL UAV designed with precision for mapping and surveillance purposes with a MTOW of 17kg.

In addition to its core capabilities, Survair excels in real-time video surveillance and infrastructure monitoring. The drone also showcases a remarkable versatility by incorporating various payloads, including Lidar, multispectral sensors, EO/IR cameras, and thermal imaging devices.

Specifications



Max Payload
3 kg



Ceiling
1500 m



Communication Range
upto 150 km



Cruise Speed
65 km/hr



Max Flight Distance
120 km



Endurance
upto 120 min



PELICAN

Critical Payload Drone



Pelican has a MTOW of 25kg and offers a streamlined solution for secure, efficient, and seamless delivery of critical healthcare equipment and supplies.

Featuring a specialized environmental-controlled payload compartment designed for medicines and vaccines, its vertical takeoff/landing capability ensures adaptability for various operations. With fast fixed-wing flight, Pelican guarantees swift and reliable transit to your destination.

Specifications



Max Payload
5 kg



Ceiling
1500 m



Communication Range
Upto 150 km



Cruise Speed
130 km/hr



Max Flight Distance
250 km



Endurance
upto 120 min



SKY-EXPRESS

Cargo/Surveillance Drone



SkyExpress, a 25kg VTOL drone tailored for efficient deliveries of food and humanitarian supplies, also eliminates the need for a runway and ensures hover stability.

With powerful motors, it ensures high-speed delivery of maximum payload over a 20km range

Specifications



Max Payload
5 kg



Ceiling
90 m



Communication Range
Upto 40 km



Cruise Speed
90 km/hr



Max Flight Distance
40 km



Endurance
upto 30 min



SKY-INSPECTOR

Surveillance/Inspection Drone



SkyInspector, an advanced industrial and security inspection drone, is a quadcopter designed for easy stowing and deployment with its retractable arms and propellers. Its robust propulsion system ensures a 60-minute endurance, providing stability even in adverse weather conditions.

The drone is equipped with a MTOW of 25 kg and a 3-axis gimbal camera featuring powerful zoom capabilities along with a night vision for comprehensive inspection capabilities.

Specifications



Max Payload
5 kg



Ceiling
300 m



Communication Range
upto 25 km



Cruise Speed
55 km/hr



Max Flight Distance
50 km



Endurance
upto 60 min



ROCKSTEADY 2.5

Ground Control Station



GCS Rocksteady 2.5, a rugged (IP67) ground control station, is tailored for autonomous vehicle management with an integrated data transmission link. Featuring dual screens for simultaneous mission and payload control, it offers dedicated buttons for mission modes, payload control, and arming/disarming.

With an impressive 8-hour battery life, this GCS ensures uninterrupted operations, eliminating the need for constant proximity to a power source during missions.

Specifications



Portable
GCS



Screen Brightness
480 cd/m2



Screen
Dual Monitors



Ethernet
3 x 100M RJ45 ports



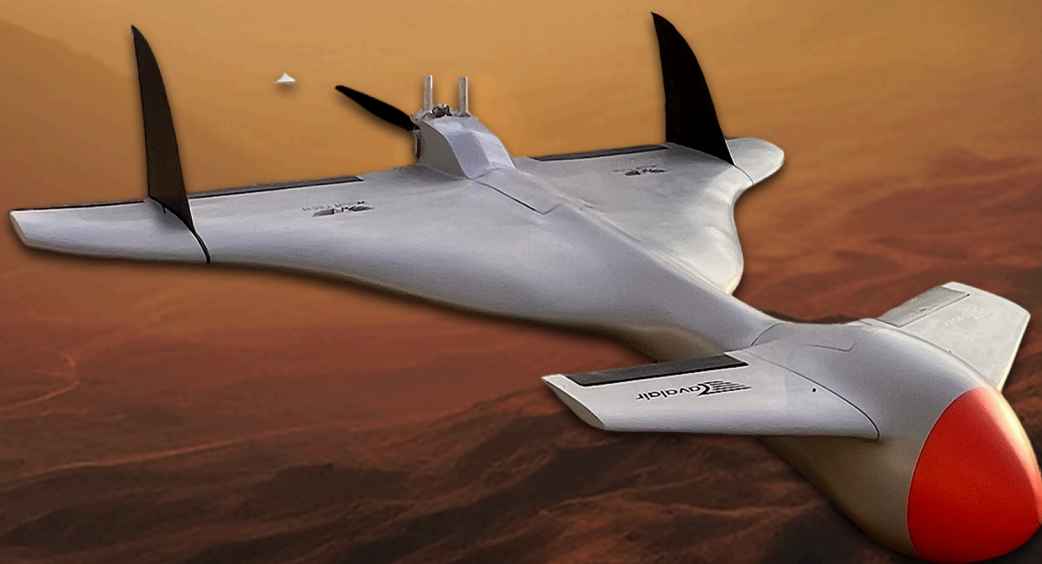
Battery Backup
8-10 hours



JoyStick
3600 controls



DEFENCE



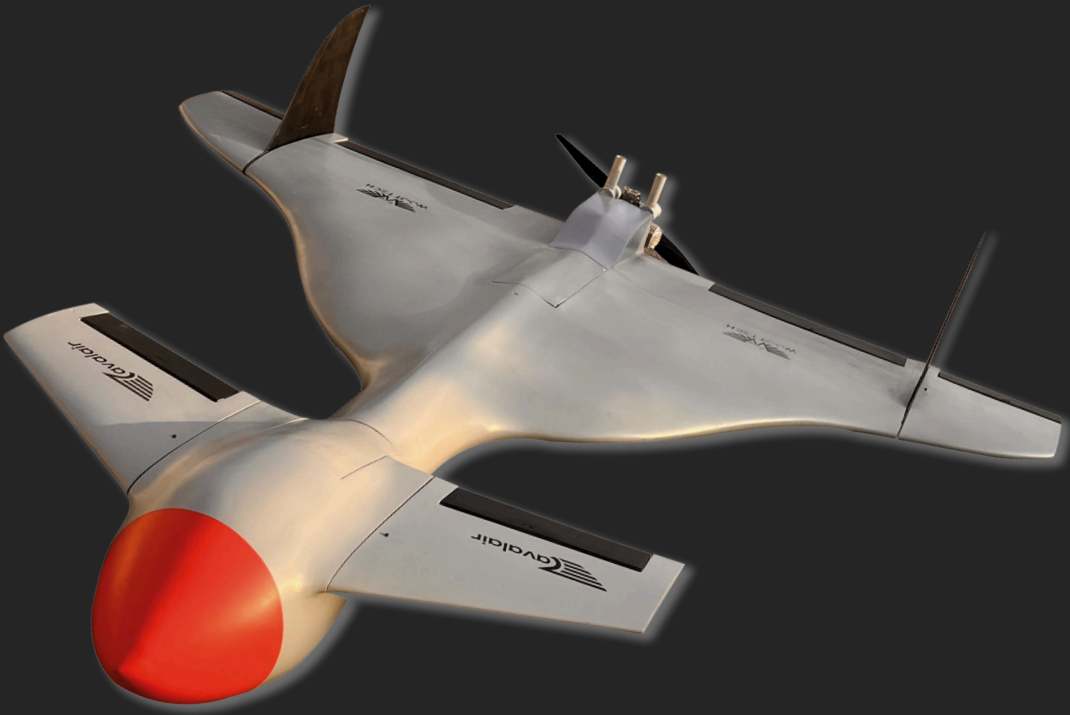
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*Sale Subjected to the Approval of the State-Authorities



MURTAJIZ MP-300

Long-range Loitering Munition



The MP-300 stands as an advanced loitering munition system, equipped with a 75kg MTOW and meticulously designed for the precise location and targeted engagement of adversaries.

This catapult-launched flying wing drone boasts remote and autonomous control capabilities, elevating its efficiency and effectiveness in the field.

Specifications



Max Payload
30 kg



Ceiling
5000 m



Maximum Range
upto 500 km



Cruise Speed
150 km/hr



Attack Speed
250 km/hr



Endurance
upto 3.5 hr



XPEAR MX-150

Tube Launched Loitering Munition



The Xpear MX150 is a versatile loitering munition drone designed for precision strikes with its compact 1.5 kg warhead. Weighing 7.5 kg, it offers a 30 km range and 30 minute endurance, responding swiftly to dynamic threats at 100 km/h loitering speed and 200 km/h attack speed.

Equipped with an advanced 640 x 512 9.1mm Thermal IR and HD Day camera for accuracy, AI-enhanced computer vision aids terminal guidance.

The drone's efficiency is accentuated by its multifunctional warhead and tube launch system, enabling quick deployment and reload in under 30 seconds, making it a really powerful asset for modern warfare.

Specifications



Max Payload
1.5 kg



Ceiling
3000 m



Communication Range
upto 30 km



Warhead
1.5 kg



Loitering Speed
100 km/hr



Attack Speed
200 km/hr

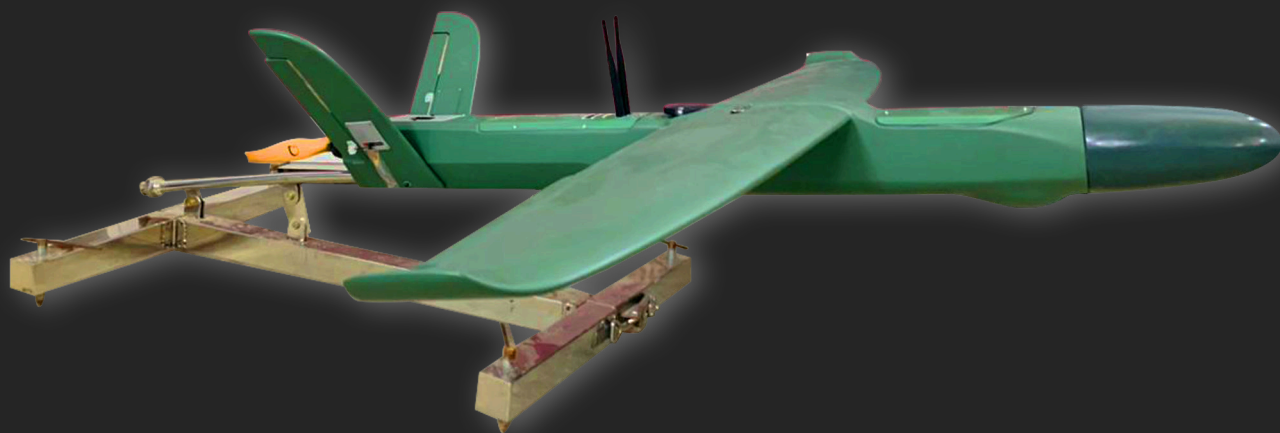


Endurance
upto 30 min



MURTAJIZ MP-152

Catapult Launch Loitering Munition



The MP-152 represents a cutting-edge, field-operational loitering munition, featuring a fixed-wing design, a 7kg MTOW and optimised for a catapult launch.

With its formidable arsenal of lethal payloads, it can be likened to an enhanced RPG, delivering precision strikes and devastating impact on adversaries beyond the horizon. This advanced system stands out as a potent force, combining strategic flexibility with lethal accuracy to effectively engage targets.

Specifications



Max Payload
1.5 kg



Ceiling
300 m



Maximum Range
upto 30km



Cruise Speed
75 km/hr



Attack Speed
150 km/hr



Endurance
upto 3.5 hr



JUGGER-NAUT

Multi-rotor Munition Drone



JuggerNaut is an octa-copter drone with a MTOW of 50kg and meticulously designed for battle-fields and air combats.

This precision bombing drone can carry upto 6-mortars, which can be controlled directly by the operator or function autonomously.

JuggerNaut can cruise at a speed of 55 km/hr, offers an endurance of upto 45 min and can fly upto 300 meters high.

Specifications



Max Payload
25 kg



Ceiling
300 m



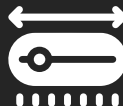
Communication Range
Upto 150 km



Mortars
60mm x 12 | 81mm x 6 | 120mm x 1



Cruise Speed
55 km/hr



Max Flight Distance
40 km



Endurance
upto 45 min



MURTAJIZ MQ-350

Short-range Munition Drone



The Murtajiz MQ-350 emerges as a revolutionary asset in infantry warfare, boasting a multirotor design with a MTOW of 2.5 kg. Its game-changing features include payload modularity and swarming capabilities, enabling single-handed launches by soldiers using either a grenade launcher or straight from their backpacks.

This innovative technology not only provides infantry squads with long-range reconnaissance but also enhances their engagement capabilities, offering a significant tactical advantage in the field.

Specifications



Max Payload
1 kg



Ceiling
300 m



Maximum Range
upto 20 km



Cruise Speed
90 km/hr



Attack Speed
100 km/hr



Endurance
upto 20 min

WARHEAD

WP70 / 129 Multipurpose Warhead



Multipurpose Warheads developed at WTech to incapacitate troops in an open area as well as armoured and light armoured vehicles. It can be conveniently mounted in the munition platforms.

Specifications

WH	85 mm Multipurpose Warhead	200 mm Multipurpose Warhead
Dimensions	Calibre 85 mm , Length 175 mm	Calibre 200 mm , Length 550 mm
Weights	Warhead 1.75 kg , Explosive 1.0 kg	Warhead 30 kg , Explosive 17 kg
Kill zone	Soft Target 80 mm RHA Penetration 200 mm	Soft Target 500 mm RHA Penetration 500 mm
Fragments	Large Frag 28 x 10 gm Small Frag 56 x 05 gm	Large Frag 100 x 10 gm Small Frag 200 x 05 gm
Energetic Material	HMX / RDX / Thermobaric	HMX / RDX / Thermobaric

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