

Dynamatic Homeland Security™

Dynamatic Homeland Security™, a division of Dynamatic Technologies, offers cutting edge security products and technologies which will enhance the Nation's capabilities in countering modern day security threats.

The Dynamatic®-BlueBird partnership offers customized UAS solutions for gathering real-time visual intelligence in remote and hostile environments, which will meet the requirements of the National Defence Forces, Homeland Security Agencies, Civilian & Commercial Markets in India.

By partnering potential customers like India's National Defence Forces, Homeland Security Forces, Police and Civilian Agencies in developing solutions relating to Access Control, Visual-Intelligence, Counter Terror Mechanisms, Specialised Communications, Armour, Bomb-Disposal, Command Centers, and Training, Dynamatic® enables agencies in the Government and Private Sectors enhance their abilities to prepare and plan for emergencies as well as their response and recovery skills.

Tactical Unmanned Aerial Vehicles and Systems

Dynamatic®'s technical collaboration with BlueBird Aero Systems Limited, Israel, a global leader in the Tactical Unmanned Aerial Systems (UAS) industry, for the assembly, marketing and manufacturing of Mini and Micro Tactical Unmanned Aerial Vehicles (UAVs) uniquely positions it to emerge as a dominant player in the Indian UAV market.

The products and solutions offered by the Dynamatic®-BlueBird partnership are cutting-edge, combat proven, and, designed for outstanding performance in all weather conditions.

The BlueBird Advantage

BlueBird Aero Systems Limited, Israel, is a specialist in tactical UAS solutions and offers a wide range of combat proven products and technologies to customers across the world.



BlueBird possesses rich experience in the fields of aerodynamics design, avionics, composite materials, communication, production and UAS operations, and, dedicates significant resources to ongoing R&D activities. This enables BlueBird to continuously lead the Tactical UAS industry with path breaking solutions, such as automatic target detection and tracking, and, automatic mapping capability from a UAS, and evolve technologically unique solutions to meet the critical need for real-time intelligence.

Dynamatic®: A Partner of Choice

Dynamatic Technologies designs and builds highly engineered products for Automotive, Aeronautic, Hydraulic and Security applications and enjoys a leadership position as the partner of choice to the Ministry of Defence and other leading defence agencies in India.

Dynamatic® has been a pioneer in the development of precision engineering components, assemblies and systems for India's Defence Industry, and, has received numerous awards in recognition of its efforts.

Apart from Tactical Unmanned Aerial Vehicles and Systems, Dynamatic® also develops and builds Mobile Surveillance Vehicles capable of monitoring infiltration on the Country's borders, as well as providing real-time visual intelligence within cities.



MicroB

MicroB

A small UAS designed for full autonomous operation, MicroB is equipped with a unique stabilized payload and automatic tracking capabilities. It can be autonomously launched within minutes, even in a crowded urban environment, and creates a new niche in the UAS arena with its high capabilities and unmatched price.

Specifications

Gross Weight - 1 kg | Payload - 240 gms
Air Speed - 25-45 knots | Wing Span - 95 cm
Endurance - > 60 min | Operational Range - >10 km
Target User: Homeland Security, Law Enforcement for Urban Environment



Boomerang

Boomerang

The Boomerang employs the cutting-edge Fuel Cell Technology to undertake missions of long durations, which makes it ideal for Intelligence, Surveillance and Reconnaissance (ISR) missions and for long range Autonomous Mapping and Information Gathering Missions.

Specifications

Gross Weight - 9.5 kgs | Payload (day, IR) - up to 1.3 kgs
Air Speed - 30-60 knots | Wing Span - 275 cm
Wind Resistance - 30 knots | Flight Ceiling - 15,000 ft ASL
Endurance - > 9 hrs | Operational Range - 50 km
Target User: Air-Force / Homeland Security for Long Endurance Mission



Blueye

Blueye

A soft-wing UAS platform which is optimal for civilian applications, the Blueye offers an affordable, matured system that can be easily integrated with any payload up to 10 kg weight and features high safety, slow flight, redundant control and ease of use. In addition to its long Intelligence, Surveillance and Reconnaissance (ISR) capabilities, the Blueye can execute fully autonomous TMOD application (Tactical Mapping on Demand), complete autonomous operation and spot takeoff and landing.

Specifications

Weight - 50 kgs | Payload - 10 kgs
Endurance - 9 hrs | Control Range - 40 km

SpyLite

A mini-UAS system which is optimized to provide stealthy, "over-the-hill" real-time visual intelligence to the infantry and extended range to the artillery and special operation forces, the SpyLite is designed for quick deployment capability, ease of control and operation, and immediate data exploitation through reliable intelligence.

SpyLite delivers a world-record performance of 35,000 feet flight ceiling height with 3.5 hours of endurance. Its uniqueness lies in its ability to fly in winds of over 30 knots and its high operational capabilities on cloudy or rainy days when other systems can neither fly nor see. This mini-UAS system is specifically designed for a variety of operational needs while maintaining the customer's ability to switch between different configurations according to the mission.

Specifications

Weight - 6/8 kgs | Payload - 1 kg
Endurance - 3.5 hrs
Control Range - 10 km / 40 km
Target User: Army, Tactical and Special Units



SpyLite



SpyLite



MicroB

Ground Control Station

The Unmanned Aerial Systems, which have been successfully tested in a combat environment, are operated from a unified Ground Control Station which is designed for time critical missions and intelligent UAV operations. Based on high-end digital link and intuitive control modes, the Ground Control System is easy to use and is integrated with state-of-the-art image processing capabilities so as to supply the operator with unique unmatched features, including Accurate Target Acquisition, Autonomous Tracking Capability, Tactical Information Layers, Video Image and Tactical Map Correlation, and Camera Guide / Target Guide Flying Mode.