



Designed for Precision 

# THRUSH 510G

Dedicated to serious ISR operations



**Front Cockpit**

- Two pilot screens in the front
- Capable of basic ISR operations
- Oxygen system for pilot and operator



**Enhanced Directional Stability**

- Increased vertical stabilizer
- Additional lower strake
- Yaw damper as part of the autopilot



**Rear Cockpit**

- Operator workstation for enhanced ISR operations (Two HD operator displays, Mission Management Unit)
- Quick transition from piloted to operator cockpit



**Rugged Design**

- Take-off and landing from unpaved strips is a matter of course
- Jet fuel allows worldwide dispatch
- Long endurance, up to 14 hours (ferry flights)
- Engine is foreign object protected (FOP)
- Aircraft is fully armoured



**S.C.A.R. – Pod missionized with Airborne LINX**

- Retractable on Belly Swing Arm for 360° visibility even below the propeller disk
- Including EO/IR high end sensor
- Short and long range encrypted downlink
- Mapping System



**Public Address System**

- PowerSonix 900 W 3-Horn
- Delivering messages with 70 dB out to 2 km



**Avionic Rack**

- ISR equipment
- UHF - Tactical radio
- Flightcell (Iridium + GSM)
- Public address system controller

**THRUSH 510G**  
missionized with






**TYPICAL MISSION CONFIGURATION**

Empty weight (including Airborne LINX package)	6.400 lbs
ISR Equipment (in S.C.A.R. – Pod)	170 lbs
Pilot & Operator	380 lbs
Fuel (for 10,2 h mission time and 0,5 h reserve)	3.550 lbs
Max take-off weight	10.500 lbs

# Active and Passive BALLISTIC PROTECTION KIT



Active Ballistic Protection Kit		Passive Ballistic Protection Kit
		
4 mm steel engine cowling	Full cockpit protection with front/bottom/rear/side panels and armoured glass	Explo control aluminium mesh in all tanks prohibiting fuel vapor explosion Separation valves for individual tank isolation

## PERFORMANCE

**Engine:** GE H80 800 (shaft horse power)  
**TBO:** Hours 3,600, Cycles 6600  
**Propeller:** Hartzell, Hydraulic (engine oil) single acting, reversible  
**Fuel System:** Jet A1  
 Up to 700 USGAL (2,660 litres usable fuel)  
 228 USGAL (860 litres in wingtanks)  
 500 USGAL (1900 litres in hoppers)

**Weights:** max. take-off weight 10,500 lbs  
**Endurance** max. 14 hours @ 95 KIAS  
**Range** max. 1750 NM @ 12,000 feet / 50 USGAL/hour / 125 KTAS  
**Max. operating altitude:** 12,000 ft



## ABOUT THE COMPANY

We are an Austrian private limited company based at the Wiener Neustadt Airport. Our company consists of a team of experts in aviation, system engineering and geo-data acquisition.

Our scope of services includes the integration of any Airborne Remote Sensor into the customers' platform, the development of customized ISR Turnkey Solutions as well as the acquisition and processing of geo information for governments, police, military and many sectors of industry.

## CONTACT

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**EASA Part 21 J approved Design Organisation**