



POLAR TECHNOLOGY



MISSILE SYSTEMS



UAS



ENGINES



PLATFORMS

COMPOSITE TRANSMISSION
AND ACTUATION SHAFTS

DUCTING AND INSULATION

HEAD RESTRAINTS
AND ROPS STRUCTURES

WEAPON MOUNT AND
CRITICAL FRAMES

COMPLEX COMPOSITE
STRUCTURES

ELECTRONICS/RADAR HOUSINGS

polartechnology.co.uk

AS:9100 CERTIFIED | JOSCAR REGISTERED | CYBER ESSENTIALS
ENGINEERING LEADERS | 180,000 sq ft | 25+ YEARS



Polar Technology is an engineering and manufacturing business operating at the leading edge of composite and metallic technology.

OUR DIVERSE RANGE OF CAPABILITIES INCLUDES

- Custom-designed, CNC controlled 4-axis filament winding machines
- A dedicated, high-performance composite moulding department
- A range of advanced fabrication techniques and processes
- Additive Manufacturing that facilitates the creation and integration of 3D-printed components.

This ensures we are able to provide fully integrated, turnkey solutions to our customers, including the assembly of all required sub-systems, and full lineside and kanban delivery.

MISSILE SYSTEMS	UAS	ENGINES	PLATFORMS
Launch and Body Tubes	Composite Fans and Aerofoils	Composite Transmission Shafts	Weapon Mount and Critical Frames
Fuselage Assemblies	Pressure Vessels	Composite Auxiliary Gears	Complex Composite Structures
Nose Cones/Radomes	Metallic Airframe Structures	Outlet Guide Vanes	Composite Transmission and Actuation Shafts
Fins/Control Surfaces	Landing Gear Assemblies	Exhaust Ducting and Insulation	Electronics/Radar Housings
High-Temp Additive Components	Composite Wing & Fuselage Structures	Bypass/Cooling Pipes	Ducting and Insulation
Fairings and Ducts	EMC Enclosures	Electric Motor Retention Sleeves	Head Restraints and ROPS Structures
	Propulsion Technologies		

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Enabling Technologies