

# EXPROMET

TECHNOLOGIES GROUP

## AEROSPACE COMPONENT SUPPLIER

Cast, forged and machined solutions

### Missile Systems

Hard Back  
**Sand Casting**  
LM169

### Drone Engines

End Plate  
**Sand Casting**  
LM13 & Molybdenum

### Parachute Delivery Systems

Safety Buckle Pins  
**CNC Machining**  
Stainless Steel

### Avionics

Flight Recorders  
**CNC Machining**  
Titanium

### Aircraft Ground Refueling Systems

Hydrant Pit Lids & Bases  
**CNC Machining**  
Aluminium

### Ordnance

Firing Mechanism  
**Sliding Head Turning**  
Carbon Steel

### Aircraft Seating Components

**Casting, Forging, CNC Machining**  
Various Materials

### Load Tie-Down Systems

Quick Release Couplings  
**CNC Machining**  
Stainless Steel

### Aircraft Telemetry Systems

Bearings, Transducer Bodies, Sub Systems  
**CNC Machining**  
Stainless Steel



## CHOICE OF MANUFACTURING PROCESSES

### CASTING

- Full range of processes: Sand, Investment, Gravity and Pressure-Die
- Excellent dimensional accuracy
  - from 1.5mm<sup>3</sup> to 450mm<sup>3</sup>
  - Weights from 5gm to 28kg
- State of the art casting simulation software

### FORGING

- Typically 7075T6 grade high-strength aluminium
- Fully finished, machined and anodised product
- For mechanically demanding components such as seat legs, spreaders and table sliders

### FINISHING & MACHINING

- Fully equipped machine shop
  - CNC turning
  - CNC milling
  - 3 to 5 axis machining
- Extensive range of automated and manual finishing techniques
- UKAS approved NDT testing and inspection services

## WHY CHOOSE EXPROMET?

Expromet has substantial experience in supplying the aerospace industry with precision high-strength machined and finished castings and forgings.

- UK facilities including R&D centre with state-of-the-art casting simulation software and rapid prototyping capabilities
- Expert advice on component design for manufacture
- Track record of significantly reducing customer manufacturing costs by converting machined components to forged or cast, without compromising on quality
- End-to-end control and management of a global manufacturing supply chain

## EXPROMET TECHNOLOGIES GROUP



**INVESTACAST**



**HAWORTH CASTINGS**



**METALTECH PRECISION**

Expromet Technologies Group companies help customers gain competitive advantage through precision engineering solutions for complex, performance-critical applications.

We have significant expertise in producing fully-tested, machined and finished components across a wide range of demanding sectors such as energy, aerospace, defence, performance automotive, medical and marine.