



**Keeping People Around The World Moving Safely**



# Ford Aerospace

## An Overview



- Builds the best quality parts that keep moving vehicles and machinery safe.
- Specialises in the machining and pressing of components and assemblies for the aerospace, automotive and other high technology industries.
- Established in 1910, Ford Aerospace is a responsive business which facilitates quick decision making and flexibility.
- Manufactures its own distinct material range - Ford Laminated Products: Easipeel, Plasipeel & Edgepeel.
- An AS9100 Rev D accredited company with significant OEM approvals.
- Experienced in multiple quality AS9145 processes such as APQP, PPAP as well as numerous Vital or Class 1 parts with fixed layouts.

Customer Approvals Include:



Located in the UK, Ford Aerospace is a part of the global [SPIROL](#) Group.



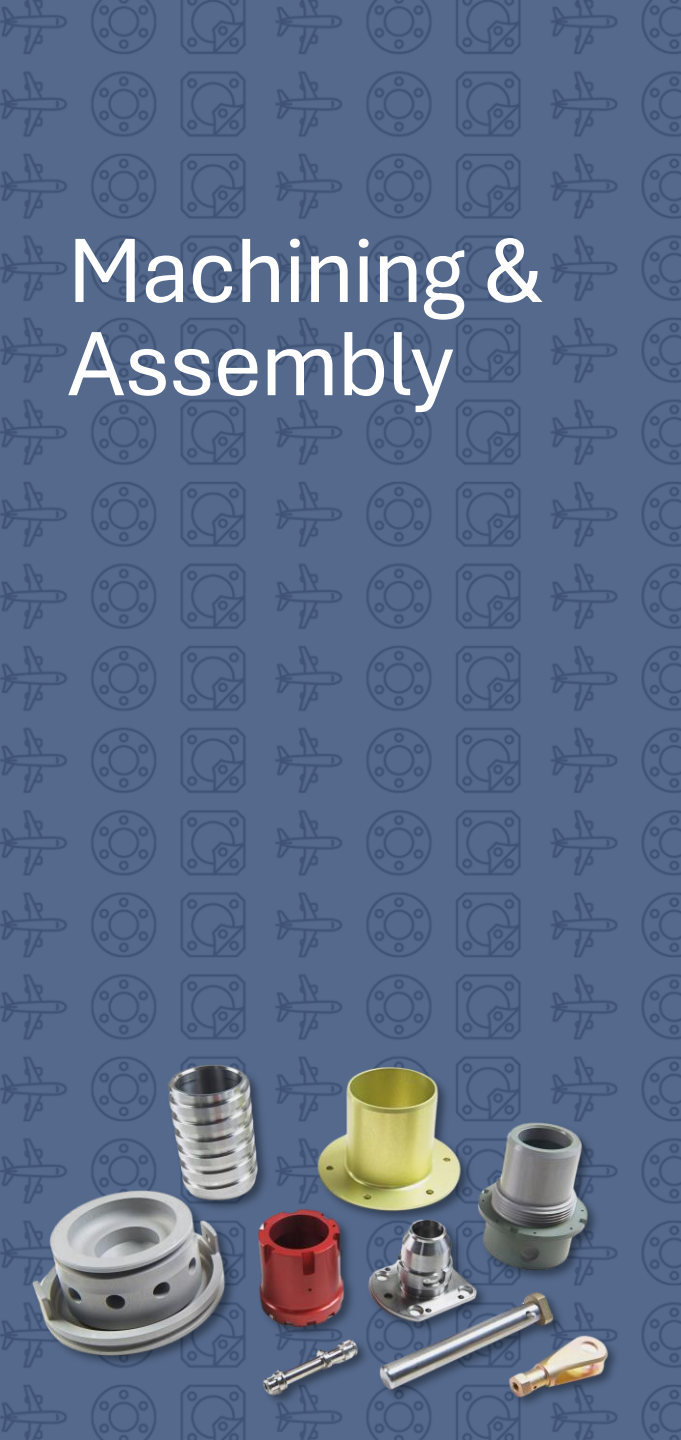
Manufacturing & Sales: USA (CT and OH), Canada, Mexico, UK (Corby & Ford Aerospace)  
Sales / Distribution Sites: Brazil, France, Czech Rep, China, etc.

# Machining & Assembly

- Precision machined parts and assemblies.
- Equipped with state of the art 5 axis machine tools to produce complex, prismatic components, pressed and threaded parts (inc. thread rolling), finishing processes and surface treatment with final assembly carried out in a clean room environment.
- Ford Aerospace has established excellent relationships with the world's leading Primes & OEMs to supply legacy, spares and production; make-to-print, industry standard components in quantities ranging from 1 off to 100,000.
- Supply chain management service – Full MRP system to manage and control our clients complex finishing processes at a range of partner treatment houses throughout the UK.
- More than 40 years Aerospace industry experience.
- Delivering sub-assemblies or kit form for customer assembly lines.

## Ford Aerospace specialises in the complete supply provision of:-

- Low volume parts & assemblies
- Spares
- “Strangers & Aliens”
- NPI & initial prototype parts
- AOG “fast-make” support
- Product portfolio management
- Kitting Solutions
- Vital or Safety Critical Parts
- Full Digital Manufacture (MBD)
- New Product Introduction
- Supply Chain Management



# Typical Parts include...

- Vital & Critical Assemblies
- CNC Milling & Turning
- Thread Rolling
- Presswork / Stamping
- Surface Finishing
- Assemblies & sub-assemblies



## Used on ...

- Transmissions
- Landing Gears
- Engines
- Engine Nacelles
- Fuselage Structures
- Interiors



# Pressing & Stamping

- **Low, medium & high volume pressed, punched and laser cut components including heat treatment and surface finishing.**
- Industry specialist, supplying a large variety of pressed, stamped, laser cut and formed components to a range of industries inc. Automotive, Defence, Rail, Off-highway and Marine.
- Over 100 years of pressing experience, Ford Aerospace supplies direct to line, aftermarket products and even re-engineer obsolete items for our customers in quantities ranging from 1 off to hundreds of thousands.
- Low-Cost Tooling (LCT) process for low volume shims and thin gauge materials.
- One-stop shop service to customers at every level (OEMs, Distributors, Tier 1s, 2s and 3s).
- Quick response automotive culture, adding value to projects, providing high quality components that are delivered "on time - every time" and at a competitive price.

## Capabilities:

- Pressing / Stamping
- Low-Cost Tooling
- Laser Cutting
- Lapping
- Tooling Manufacture
- Kitting & Kanban Solutions
- Heat Treatment
- Surface Finishing
- New Product Introduction
- Supply Chain Management

# Industries served for Pressing & Stamping include...

- Automotive
- Defence
- Rail
- Marine
- Mining & Handling
- Nuclear
- Oil & Gas
- Renewables
- Surface Finishing
- Assemblies & sub-assemblies



## Customers Approvals Include:



# Patented Laminate Products

- **Ford Aerospace's unique range of adjustable and peelable products provide a more cost effective and superior solution to using shim sets or ground shims.**
- Our portfolio includes surface & edge-bonded parts or sheet in metallic & non-metallic materials.
- We offer a fully customisable service in thickness & number of laminations (including hybrid of backing plate & laminations) and our engineers are always able to provide advice on the most cost-effective solution.



## Types of Shims:

- Program (charted shims)
- Adjustable Shims
- Laminated
- Edge Bonded

**plasi**peel®

**easi**peel®

**edge**peel®



# Laminated and Edge Bonded Shims



## Easipeel® (Metallic Peelable Shims)

Benefits: Quick production line adjustments and repairs.  
Dimensional accuracy, reduced waste, and inventory optimization.  
Specifications: **AMS-DTL-22499**

## Edgepeel® (Edge Bonded Shims)

Benefits: Quick thickness adjustments without tools.  
Anti-vibration, dampening, and reusable peeled layers.  
Low-cost tooling process (LCT) and assembly alignment.

## Plasipeel® (Non-Metallic Peelable Shims)

Benefits: Chemical resistance, lightweight, and corrosion-resistant.  
High strength-to-weight ratio and electrical insulation.  
Dampening, anti-vibration, and reusable peeled layers.  
Specifications: **AMS-DTL-22499**

*"FORD Aerospace and SPIROL adjustable and peelable shims provide cost-effective, customizable solutions in metallic or non-metallic materials, tailored to your needs."*



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**For more information**

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