

UNISON

*Precision components
from start to finish...*

Excellence in performance-critical machining & fabrications



Leading precision machining technology....

Fully integrated solutions

Facilities and capabilities

The latest CNC machining facilities are maintained and provide customers a wide choice of supply options.

CNC capabilities include:-

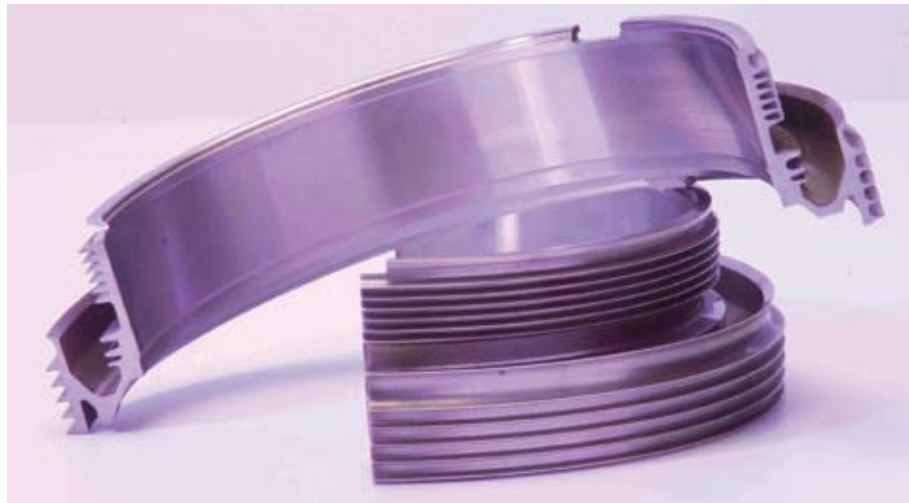
- Turning – 9 axis up to 2000mm (78")
- Milling – 5 axis up to 1200 x 600 x 670mm high (47" x 23" x 26" high)
- Drilling – Full CNC capability
- EDM – Sink and wire
- Small hole EDM (high speed - 7 axis)
- ECG - Electro-chemical grinding

Conventional capabilities include:

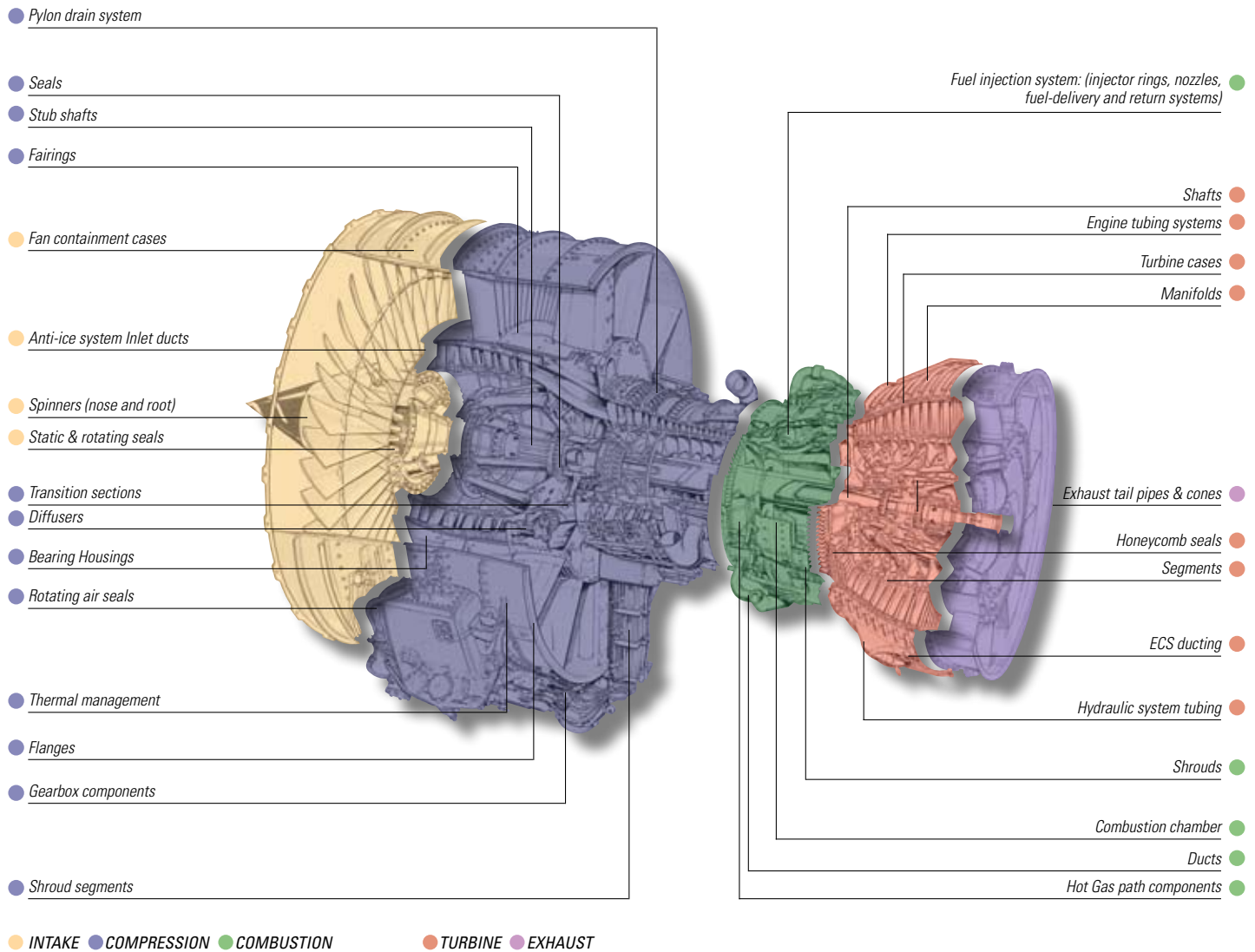
- Cylindrical grinding
- Tool, cutter and jig grinding

In-house support facilities include:

- CNC laser processing – cutting and drilling
- CNC plasma spraying
- Honeycomb brazing
- Non-destructive testing (FPI)
- Heat treatment (vacuum furnacing up to 200°C)
- Detail finishing (deburr and polish)



Capability: Complex Machined Engine Components, Fabrications and Assemblies



Supply Chain Management

Our logistics teams handle the complete supply chain from materials purchase through long and short term capacity planning, sub contract supply management to the dispatch of the right components on-time. We have the capability to supply chain manage any specialist processes required.

Kits, assemblies and packages

Components, fabrications, assemblies kits and packages are managed through our production processes to provide a tailored, comprehensive value-added solution to customer needs at lowest cost.

Quality

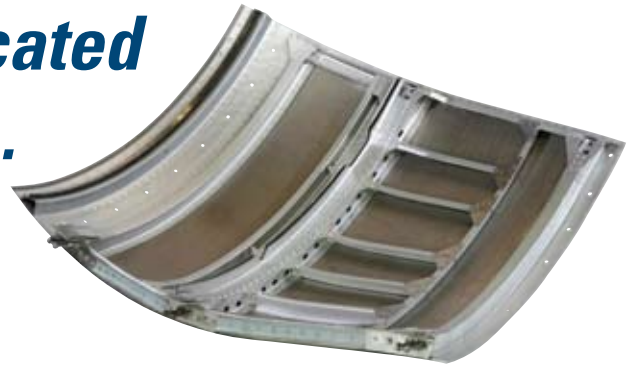
All our facilities are approved to AS 9100 and ISO 9001-2000 quality standards as well as many individual customer approvals and we are accredited to all relevant industry standards.

All facilities hold ISO 14001 environmental approval.



Complex structural and fabricated components and assemblies...

Meeting customer needs



Facilities and capabilities

We are dedicated to delivering quality components for OEM or aftermarket supply, to achieve this we utilize a variety of metal forming processes, highly advanced CNC welding technology, the latest machine tools and highly skilled personnel with traditional hand skills.

Capabilities include:

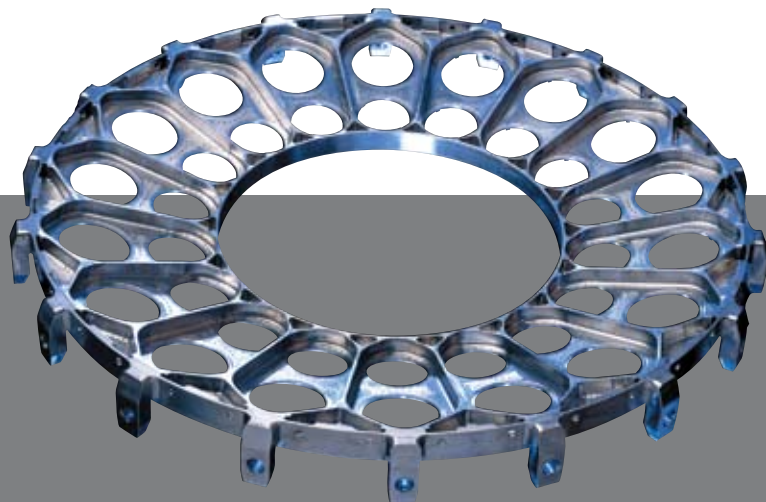
- High tonnage presswork
- Hot forming
- Hydro forming
- Stretch forming
- Repair and overhaul
- Sub-part re-manufacture
- Flash, friction, MIG, TIG, laser, circumferential, resistance and inert gas welding
- Cold form rolling
- CNC turning, milling and drilling
- Surface and cylindrical grinding
- Tool cutter and jig grinding

In-house support facilities include:

- CNC laser process welding, cutting and drilling
- CNC Robotic plasma and HVOF thermal barrier and abradable coatings
- Non-destructive testing (FPI, MPI and X-ray)
- Heat treatment (vacuum and conventional)
- Detail finishing (deburr and polish)

Repair and Overhaul

Our component repair and overhaul services are renowned for high quality at competitive cost. From small components to complex fabricated assemblies, we have the expertise to perform high quality repairs and sub-part re-manufacture. We will complete your component repairs in agreed turn times, wherever you are in the world.



Precision manufacturing delivers quality components...



Unison offers customers a global breadth of capability through locations in North America, UK and Poland.

We continue to combine investment in highly skilled people with the latest techniques and equipment to provide our customers with innovative advanced technology manufacturing and supply chain solutions.

In an industry that is safety-critical we comply with the most stringent quality standards, with our commitment to lean initiatives, we aim to deliver quality products on time, every time at a competitive price.



Complex Machining

Unison has a worldwide reputation for excellence with virtually all major commercial and military aircraft containing our precision machined components.

Technical capabilities span a wide range of products located within all modules of the engine. State-of-the-art manufacturing and inspection techniques ensure the highest quality products which has kept us leaders in the field.

Fabrications and Assemblies

Unison has many decades experience in the manufacture and repair and overhaul of complex fabricated components and assemblies in a wide range of materials for major commercial and military aircraft.

Product quality and performance are the result of careful attention to total quality management and continuous improvement philosophies.

A full range of specialist in-house design and analytical facilities are available to provide considerable benefits to our customers in the form of reduced lead times, reduced management costs, ability to quickly incorporate design changes, and, up-front cost savings. High quality and fast turn times are hallmarks of our services.



Precision machined turbine components, complex fabrications and assemblies

Marine



Defense



Industrial Power



Oil & Gas



Military Aerospace



Commercial Aerospace



UNISON

Excellence from start to finish...

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