

## James Fisher Aerospace Profile

James Fisher Aerospace is part of James Fisher and Sons plc, a group committed to delivering specialist knowledge, skills and capabilities in the most safety-critical engineering environments. The group companies operate in the Aerospace, Defense, Nuclear and Marine industries around the world.

### Aerospace Specialists

Our specialist knowledge of aircraft structural and aero engine manufacture is fully supported by a continually growing global manufacturing supply base.

The team delivers the complete solution including installation, design, manufacture, commissioning and training as well as the preparation of user manuals, technical and certification documentation, all within the scope of our AS9100 rev C accreditation.

In addition to our extensive aero tooling ability, our multi-skilled design teams are fully familiar with the supply of test and support equipment as well as non destructive testing of critical aerospace components for companies such as: Airbus/EADS, Safran Group, Rolls Royce, Boeing, Goodrich, GKN and BAE Systems.

### Project led organization

James Fisher Aerospace offers a total engineering service from concept to operation with a dedicated project management team and integrated international supply chain.

Our multi-disciplined teams have access to the very latest CAD/CAE design and analysis tools and operate within an environment of continuous improvement.

### Manufacturing

James Fisher Aerospace selects best in class manufacturing partners from around the world to offer to its customers a truly international supply chain.

Innovation in design is not compromised by internal manufacturing capability or capacity.

Our partners provide us with an extensive range of the latest manufacturing processes, engaged within a competitive environment.

Our supply chain engineers constantly monitor and engage with our supply base to ensure our customer commitments are met within budget, to the highest quality and within the agreed time frame.

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### James Fisher Aerospace Accreditations



Delivering whole lifecycle support

# James Fisher Aerospace



Delivering whole lifecycle support



Continuous Asset Management  
Monitoring System - Tooling



In answer to the growing importance of effective tooling management within Aerospace production facilities, James Fisher Aerospace have developed a highly effective system to inspect, review, amend, certify and track tooling assets ensuring the optimization of production capability.



James Fisher Aerospace has been supporting the aerospace industry as a key supplier and integrator for over 25 years. From our tactically located facilities around the UK, we service and support a growing, world wide client base in aircraft structures and aero engine build in both civil and military aircraft sectors.

Being a part of James Fisher Group plc, with a sound financial base within a large group of businesses serving 'high Integrity' industries, coupled with our impressive global footprint, has played a pivotal role in allowing James Fisher Aerospace to secure major contracts to support the aero industry in delivering some of the most demanding, high profile and prestigious aerospace projects in the last decade.

The James Fisher Aerospace Tooling CAMMS ensures that tooling, jigs and fixtures remain within tolerance and ready for immediate use.

# CAMMS

Continuous Asset Management  
Monitoring System

## 1 Tool and data set Audit

We will audit the tooling and compare this with the data set. If data set is not available, an individual data set will be produced to include a list of key features related back to the component geometry.



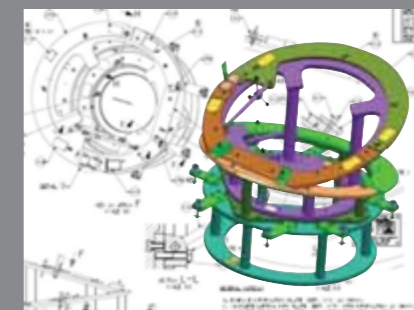
## 2 Tool Inspection

James Fisher Aerospace inspection team has access to a wide range of inspection facilities that support inspection and calibration with the capability to compare inspection results back to CAD data/ geometry. We can operate within client facilities in the case of large fixed jigs or remove the items for inspection to dedicated inspection centers around the world.



## 3 Design changes

Where the audit demonstrates a design data set 'non-conformance', we have extensive, fully licensed CAD Systems used by our design department to cleanse the data set. Our experienced engineers are capable of generating design improvements and we are keen to promote design innovation, encompassing new technology and manufacturing ideas.



## 4 Manufacture/Modification/Improvement

Manufacturing support can be managed nationally and internationally by our specialist, supply chain management team from the revised data set.



## 5 Recertification

Following the inspection audits, tools are recertified to a defined list of key features and performance parameters. This brings manufacturing tooling assets up to date and ensures optimal effectiveness of resources.

Part No	Tool	Material	Serial No.	Issue No.	Check No.
10	10	45.25	4.00	4.00	1
2.1	10	45.25	4.00	4.00	1
2.2	10	45.25	4.00	4.00	1
2.3	10	45.25	4.00	4.00	1
2.4	10	45.25	4.00	4.00	1
2.5	10	45.25	4.00	4.00	1
2.6	10	45.25	4.00	4.00	1
2.7	10	45.25	4.00	4.00	1
2.8	10	45.25	4.00	4.00	1
2.9	10	45.25	4.00	4.00	1
3.0	10	45.25	4.00	4.00	1

## 6 James Fisher Aerospace Tooling Passport

James Fisher Aerospace has developed a specific Information management system for continuous tool management. Within this system is a facility to generate a data pack associated with each tool designed, containing such data as recertification dates and key features data. Every new tool should have this information available and is referred to as a James Fisher Aerospace Tool Passport.

In addition, existing tooling can have a Passport retrospectively created following an audit and inspection as per the James Fisher Aerospace Tooling CAMMS process.

