



Fully integrated precision
manufacturing, fabrication
and assembly solutions...

WE SPECIALISE IN PERFORMANCE - CRITICAL COMPONENTS

Products and services

Bromford Industries produce a wide range of components and assemblies for aero and marine gas turbines, aircraft landing gear, helicopters, static gas generators, nuclear and specialist engineering applications.

Aerospace, Defence and Marine Gas Turbine

Products include critical performance components and assemblies found throughout modern commercial turbofan engine modules, as well as military fixed and rotary wing gas turbines and marine derivatives.



Power Generation

Products include combustion cans, transition pieces and seals, baffles, core plugs, air tubes, impingement plates and small pressed parts for original equipment or repair and overhaul.



Nuclear

Products include machined and welded assemblies for nuclear marine applications. Existing knowledge and experience is applied to civil nuclear applications.





Landing gear and specialist performance-critical applications

Products include landing gear components, rotor hubs, gearbox components, seals, valve components, struts, brake components, kits and packages.



Photo by courtesy Messier-Dowty

Development and re-engineering services

We maintain a specialised engineering service for the supply of a wide range of complex aero gas turbine components in low volumes.

The service ranges from project management of prototype work at the leading edge of current manufacturing technology to the supply of spares to restock out of production programmes.



WE OFFER HIGHLY ENGINEERED MANUFACTURING SOLUTIONS, PROVIDING CUSTOMERS WITH A COMPETITIVE ADVANTAGE

Bromford Industries is a privately owned enterprise trading on a global basis, supplying precision machined components, fabrications and assemblies to leading OEM's in the aerospace, defence, marine, power generation and nuclear markets.

Operating from facilities in the UK, the company specialises in fully integrated solutions utilizing core competencies including: complex machining and fabrication of Super alloys; supply chain management expertise; specialist finishes and assemblies, all fully integrated and supplied to customers requirements.

We supply diverse and highly engineered solutions to provide our customers with a competitive edge, through lowest total cost of acquisition, from a single source supply point and a high level of integration through assembly packages.

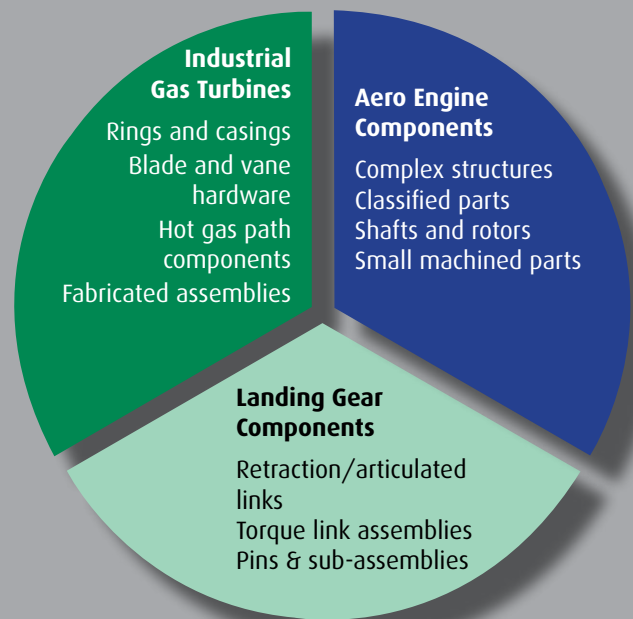
Our philosophy is to work with **pride, pace and passion...**





WE PROVIDE EXTENSIVE CAPABILITIES

- Bromfords breadth of manufacturing and process capability provides major single source supply solutions for international companies looking for cost effective production components and timely aftermarket deliveries.
- Manufacturing capability from high-speed 5 axis CNC milling, through to 6 axis laser drilling, to 5 axis milling and turning, to EDM, wire erosion and laser processing.
- Flexible Manufacturing System (FMS), with lights-out capability, featuring five axis machining centres, interlinked with an automatic palletised (30 pallet) system.
- Class "A" nuclear clean room, together with welding, pressure testing and assembly capability, for power generation and marine applications.
- An impressive health and safety culture is upheld within modern manufacturing facilities, where performance matters.
- Through our links with Advanced Manufacturing Resource Centres (AMRC) and global supply chains, we offer customers a range of manufacturing options from a financially strong and customer focussed organisation.
- A market leading NPI (New Product Introduction) process is employed.



Bromford provides a total integrated capability for the precision machining, finishing, testing and assembly of complex componentry.

Specialising in 'difficult-to-manufacture', performance critical components, in the full range of aerospace alloys and exotic materials, machined components range from small, medium and large prismatic through to rings up to 2 meters in diameter.

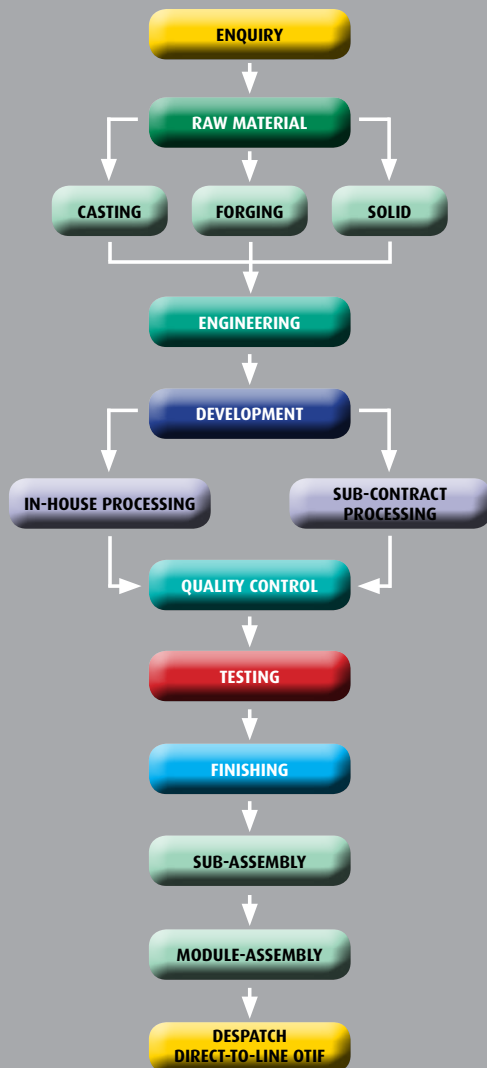
Bromford is equipped with over 150 CNC machine tools, as well as operating project and continuous improvement philosophy where DMAIC (Define, Measure, Analyse, Improve, Control) methodology is employed to ensure maximum customer benefit. Detailed capacity models are utilised quantifying capacity and capability, with the ability to implement and monitor preventative maintenance, down time, shift patterns and operator holiday requirements.

All services are encompassed within a comprehensive MRP production system.

- Specialists in high complexity/critical component machining
- Multi-axis CNC milling to 2m x 1.5m
- CNC turning up to 1.8m, grinding and jig boring
- Laser cutting and drilling, EDM, and wire erosion processing
- Large 5-axis capability including FMS
- Light presswork
- Extensive CAD/CAM capabilities including CATIA v5
- Engineering expertise, concurrent activity
- Fully rig-tested assemblies and ancillary services
- Sub-assemblies and build stage kits
- All major industry and customer quality approvals



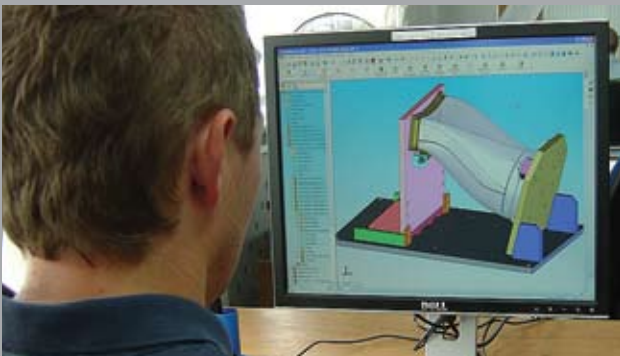
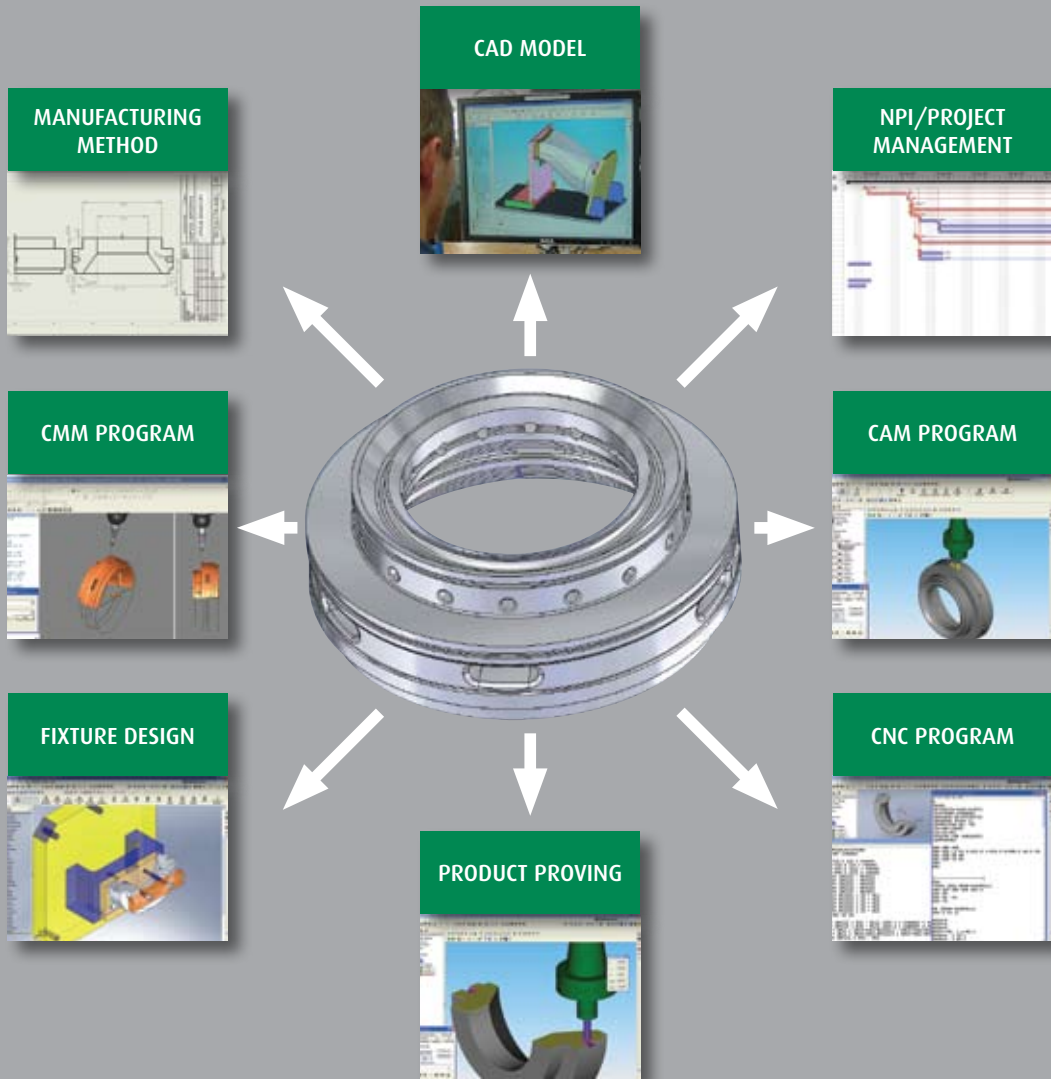
WE DELIVER INTEGRATED SOLUTIONS – ADDING VALUE FOR OUR CUSTOMERS



Bromford Industries' UK manufacturing facilities are vertically integrated from top to bottom - from customer enquiry, to prototype, to concurrent engineering, manufacturing, assembly, testing, finishing, certification and delivery.

- Make-to-print, or collaborative design-for-manufacture, capabilities utilising CATIA v5 and SolidWorks CAD/CAM software
- Design-for-manufacturing facilities include an 'Advanced Projects' facility, which scrutinises CAD models to create, prove-out and optimise schedules of operations to ensure best possible customer value. Should the best route require capital investment, this can be accommodated
- Qualified, dedicated engineering teams
- Supply chain management expertise providing low cost sourcing solutions through our established supply chain network
- Kitting expertise, including dedicated assembly areas, Nuclear Class A and B clean room, cleaning and preparation facilities
- NADCAP process approvals





WE FOCUS ON DELIVERING THE HIGHEST LEVELS OF QUALITY AND CUSTOMER SERVICE

Quality

We are passionate about quality, which is upheld through the operation of fully integrated quality systems, in addition to working to a wide range of demanding bespoke OEM quality standards.

All Bromford facilities are approved to, or working towards:

- BS EN ISO 9001:2008
- AS 9100 Rev C
- BS EN ISO 14001

We also hold a variety of NADCAP approvals including wet processing, non-destructive testing, welding and non-conventional machining.

Many individual OEM customer accreditations are maintained, including:

Rolls-Royce
Messier-Dowty
Goodrich
Siemens
GE Power Systems
Alstom
Meggitt
MTU

Enterprise Business Systems

We make extensive use of integrated computer systems for all aspects of our business process, using UNITY ERP systems to ensure excellence in information technology, process control, reporting and documentation.

Customer Focus

Bromford Industries has high calibre engineering, commercial and technical support personnel who are highly customer focussed, within integrated project teams, to ensure the delivery of Customer Service Excellence.

Environment

We take our environmental responsibilities very seriously and are committed to care for the environment. All Bromford facilities are accredited to BS EN ISO 14001.

Continuous Improvement

We pursue a continuous improvement culture, maximizing existing best practice, in parallel to close working relationship with Advanced Manufacturing Research Centres (AMRC's), whilst developing Supply Chain 21 (SC 21) continuous improvement principles.





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