



BROMFORD
INDUSTRIES

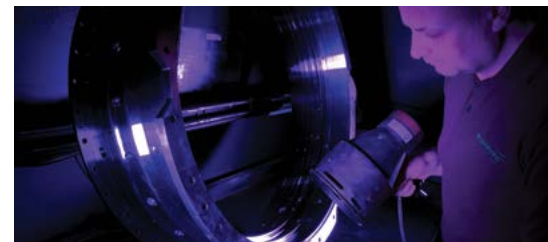
PRIDE | PACE | PASSION

CORE CAPABILITIES

○○ Bromford's breadth of manufacturing & process capability provides a major single source supply point to the world's leading aerospace, defence, marine, power generation & nuclear industries. ○○

Bromford Industries is equipped with a comprehensive range of modern CNC machine tools, in addition to in-house laser, EDM & wire erosion capabilities. We utilise the latest technologies together with extensive engineering expertise & experience, to provide a leading industry supply resource & a highly cost efficient start-to-finish capability.

- Specialists in high complexity/critical component machining
- Precision machining testing & assembly
- Specialists in difficult-to-work materials
- High-speed 5 axis CNC milling/turning through to 6 axis laser drilling, EDM & wire erosion
- Design-for-manufacturing capability
- Small, medium & large prismatic parts
- Annular components up to 2m diameter
- Hot gas path fabrications & assemblies
- Re-engineering services
- Support for life-of-programme
- Kitting, assemblies & build stage kits



Core Capabilities



- High speed 5 axis CNC milling up to 1m cube
- Fully Flexible Manufacturing System (FMS) lights-out manufacturing capability featuring three Mazak VaiAxis 630-5x machining centres interlinked with an automated (30 pallet) system. Capacity is up to 630 x 630 x 610mm
- Milling - CNC 5 axis up to 500 x 700mm
- Horizontal machining - CNC, up to 750 x 750mm
- Vertical machining - CNC, up to 1250 x 600mm
- Turning - CNC, up to 1500mm dia.
- Universal grinding - CNC, up to 355mm dia.
- Manual turning - up to 1350mm dia.
- Jig boring - up to 100 x 175 x 700mm
- Welding of exotic materials from 0.25mm to 4.0mm thickness
- Extensive TIG welding (manual & automatic)
- Design & manufacture of complex form press tooling
- Complex sheet metal shaping
- 3, 5 & 6 axis laser capability
- 4 axis wire erosion
- 4 axis spark erosion
- Fully rig tested assemblies & ancillary services
- Non-destructive testing - magnetic & dye penetrant to level 3
- Grade 'A & B' clean room facility
- Argon packing for corrosion sensitive materials
- Catia V5, SOLIDCAM & other CAD/CAM interfaces
- High precision airflow & pressure testing
- Kitting, sub-assembly & logistics experience



Quality Assurance



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

We hold the following approvals/accreditations:

- AS 9100 Rev C
- BS EN ISO 9001
- BS EN ISO 14001
- NADCAP AS7108 (chemical processes)
- AS7100 (welding)
- AS7116 (non-conventional machining)
- AS7114 (non destructive testing)
- DGS-PS5104
(Grade 'A & B' clean room & packing facilities)
- Rolls-Royce
- Messier-Bugatti-Dowty
- UTC Aerospace Systems
- Siemens
- GE Power Systems
- Alstom
- Snecma

Amongst many other customer & industry approvals.



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