

MANUFACTURING CAPABILITIES



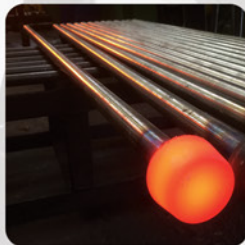
Counterblow Forging

The Horizontal Counterblow forging process can achieve a more uniform product, using less energy compared to other forging processes. High volume and consistent production of excellent quality forgings with improved lead times. We believe that the introduction of Impacter Forging will enable us to offer the lowest possible production cost for medium to high volume forging in the UK.



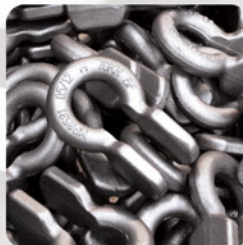
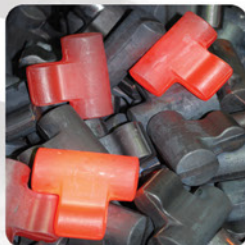
Upset Forging

We have vertical crank, hydraulic and screw presses capable of forging from 10mm up to 100mm diameter and horizontal machines with a working capacity from 6mm up to 80mm diameter x 6m long. Material specifications range from mild, carbon, alloy, through to stainless steel grades.



Drop Forging

If it's high strength and quality you need then we can provide you with a drop forging solution. A cost effective method of manufacturing for all sorts of components from materials such as Carbon, Alloy & Stainless Steels as well as Complex Alloys and Aluminium and Brass.



Open Die Forging

This process involves the heating up and working of material between a top ram and die and a bottom anvil and die, using repeated blows to create the required shape or form.



Hand Forging

A speciality of Brooks Forgings is the ability to manipulate hot materials by traditional hand forging methods.



16 Hot Forging Cells

13 CNC Machines



Hot & Cold Bending



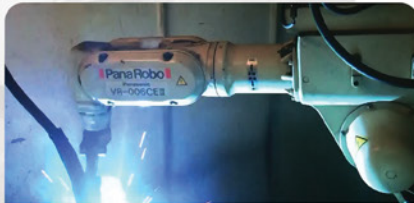
Our engineering division uses presses capable of hot bending up to 150mm diameter bars and 400x80mm flat section. One of our specialties is the ability to form shackles that have initially been hot forged at each end in a straight unbent condition.



Machining



At Brooks Forgings our machine shop, with 13 CNC machines, can offer a full range of machining operations. Whether you need us to machine your free issue product or just supply the complete component from start to finish we can help.



Fabrication & Assembly



We supply fabricated metal components both locally and worldwide to many industries including Civil Engineering, Petrochemical, Power Generation, Defence and Transportation. We offer manual coded welding, flash butt welding and have 5 robot welding cells.



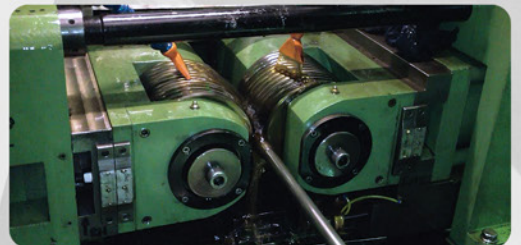
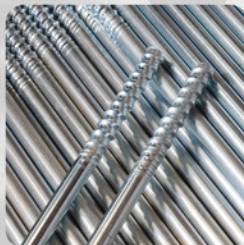
Ring Rolling



We specialise in the manufacture of non-standard rings. Using our on site fabrication facilities we are able to roll and flash butt rings to customers requirements. We primarily supply rings used for Lifting Tackle and Mooring applications. Up to a maximum diameter of 4m with a material thickness of 60mm.



Thread Rolling



We have made further investment in our machining capacity with the addition of several Thread Rolling machines.



ISO 9001



ISO 14001



OHSAS 18001



APPROVED



APPROVED



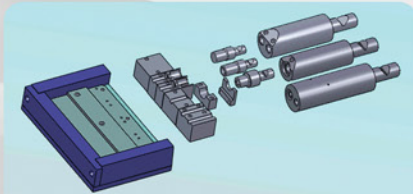
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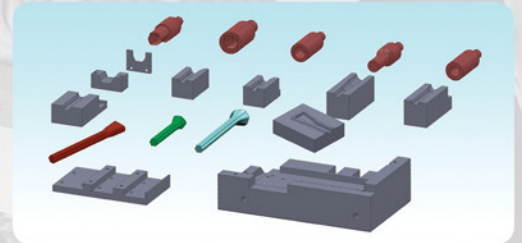
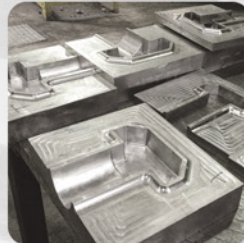
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5 Robot Welding Cells

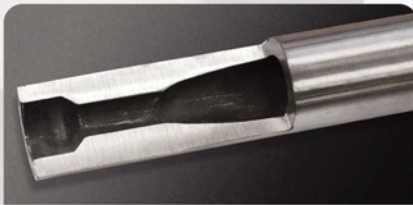
2500 Pallets of Stock



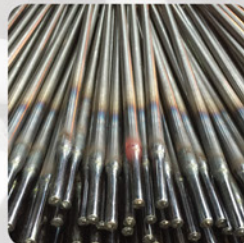
Die Sinking



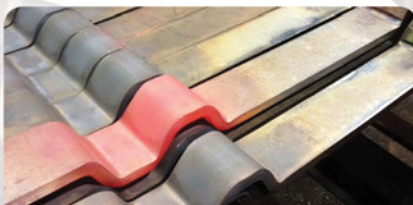
We produce forging & press dies in our own tool room. This forms an essential part of our manufacturing operation and has given us total control and flexibility. We produce our own specialist radius tools for the bending of various tubes and sections including unique shapes and extrusions.



Swaging & Pointing



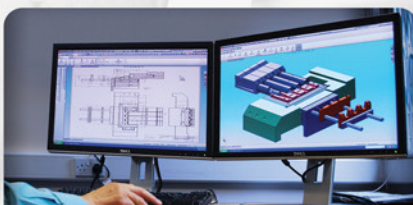
Swaging has a number of advantages over other methods of material reduction such as cost, speed and strength. Brooks specialise in swaging non standard shapes e.g. flats into round, square section into round or four sided tapers.



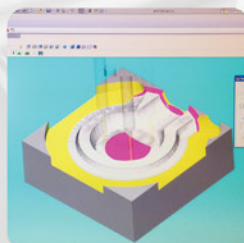
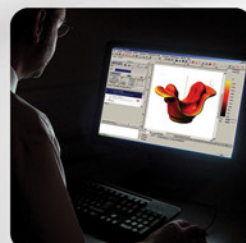
Hot & Cold Pressing



Over 20 presses ranging in size from 5 – 400 Tonnes, Brooks Forgings can cater for all your pressing requirements. We have mechanical and hydraulic presses, utilising computerised linear feeders as well as other automated feeding systems.



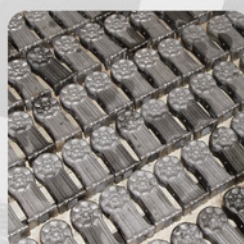
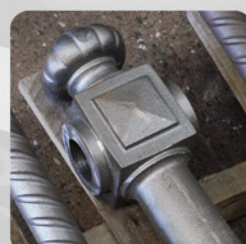
Computer Aided Design



We use the latest Solidworks® software for all of our Computer Aided Design and Machining requirements. Working from product samples or existing drawings, we can produce up-to-date drawings in the early stages of project development and produce jigs and tooling for mass production.



Casting



Cast components in grey iron, SG/malleable iron and aluminium are all part of the Brooks range. Replication of traditional components can be made from a sample, drawing or even a photograph.



ISO 9001



ISO 14001



OHSAS 18001



APPROVED



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REGISTERED



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94,000 SQ FT Facility

ISO 9001 Approved



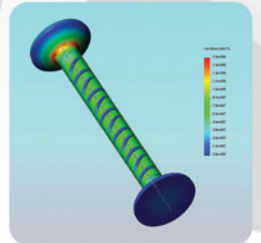
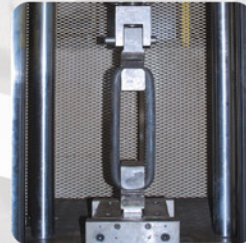
Quality Control



We operate to the latest industry accreditations. Lloyds ISO9001 for Quality, ACS ISO 14001 for Environmental, ACS OHSAS 18001 for Health & Safety, National Highway Sector Scheme 3 approved and CE Certified to EN15048 & EN1090 for Forging, Machining and Fabrication.



Testing Facilities



Within our manufacturing facility we have testing facilities comprising of equipment to perform destructive, tensile, proof, hardness and coating thickness testing. Our in-house tool room can produce a wide range of testing jigs & fixtures, manufactured for many individual products to ensure full compliance.



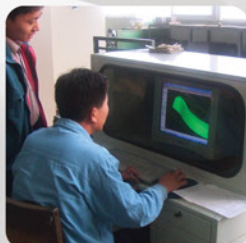
Marking & Traceability



We offer a comprehensive range of marking solutions to meet the majority of requirements expected by today's standards. Components can be marked with unique identifying features. This typically includes manufacturer identification, batch codes, material codes and part numbers. Some methods also enable more detailed features such as company logos, safety marks and even barcodes.



Global Sourcing



At Brooks Global Sourcing, our goal is to make it easy for you to source the steel products you require, at a very competitive price and the right quality. All through the process you can have the confidence that you are dealing with a British manufacturer with over 55 years of knowledge and experience.



Stock & Distribution



Have you ever wanted greater warehouse space? Maybe you wish you could have an off the shelf service for your standard products? With 1000's of square feet at your disposal, we can help. Please give us a call to discuss your requirements. **Over 2500 Pallets of Stock.**