

# BROOKS forgings

## Manufacturing Capabilities

tel. 01384 563356 fax. 01384 563357  
web. [www.brooksforgings.co.uk](http://www.brooksforgings.co.uk)  
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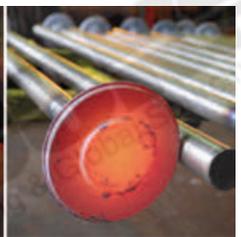
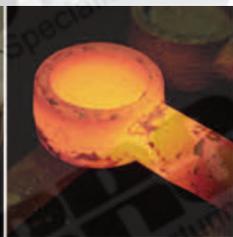
### Counterblow Forging



Horizontal Impacter Forging is the latest addition to our manufacturing capability. This 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.



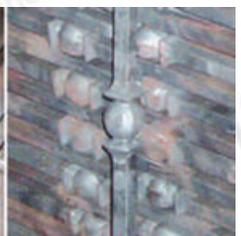
### Drop Forging



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.

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### 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 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

With the recent purchase of several Robotic Welding Cells, we can offer cost effective fabrications from small brackets to fabrications 12 meters long.



### Flash Butt Welding

Our fabrication services have increased, with the addition of 4 Flash Butt Welding machines capable of welding up to a maximum diameter of 52mm.



### Ring Rolling

We specialise in the manufacture of non-standard rings. From small rings for the Decorative Ironwork sector to large rings for the structural steel work industry. Up to a maximum diameter of 4m with a material thickness of 100mm and virtually everything else in between.

# 16 HOT FORGING CELLS

[www.brooksforgeings.co.uk](http://www.brooksforgeings.co.uk)



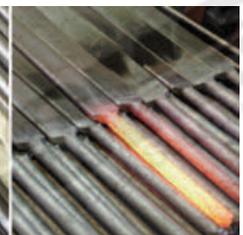
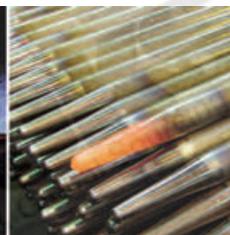
## Die Sinking



We produce forging & press dies in our own on site 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.



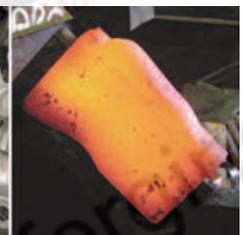
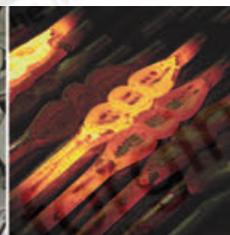
## Tube Forming



Brooks specialise in reducing and expanding the end of round tube or box section. Complex bending operations are also available.



## 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.



## Casting

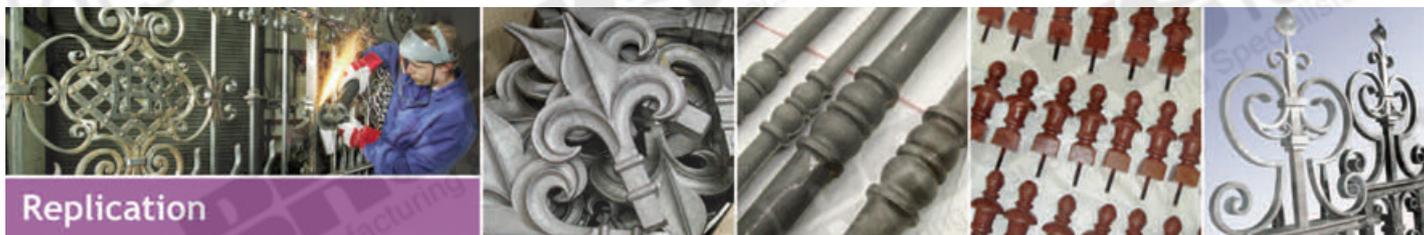


Cast components in grey iron, SG/malleable iron and aluminium are all part of the Brooks range. Replication of traditional components can be made from a sample, drawing or even a photograph.

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### Replication

We are regularly involved in replicating ironwork from bygone years. The scale of the work involved can be from a simple railing head or scroll, to an entire panel of ironwork.



### Sawing

We have horizontal & vertical sawing machines installed at our Stourbridge facility, handling bar lengths up to 8000mm, they are fully programmable and capable of mitre and bundle cutting.



### Testing

Testing facilities comprising of equipment to affect destructive, tensile, proof, hardness and coating thickness testing are available within our manufacturing facility. A wide range of testing jigs & fixtures are manufactured for individual products on a weekly basis utilising our in house tool room.



### Global Sourcing

At Brooks Global Sourcing, the ultimate goal is to make it easy for you to source the steel products you require, at a very competitive price and to the right quality. All through the process you can have the confidence that you are dealing with a British manufacturer with 50 years of knowledge and experience.

**Over 2500 Pallets of Stock**



### 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, Brooks can help. Give us a call to discuss your requirements.

Head Office  
Brooks Forgings Ltd  
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