

# Fabrication & Assembly

Our skilled welders and fabrication experts can manufacture components to your requirements using the following processes:

- Bending
- Cropping
- Grinding
- Laser Cutting
- Machining
- Punching
- Robot Welding
- Flash Butt Welding

## Robot Welding

Brooks Forgings can now assist you further with your fabrication requirements. With the recent purchase of several Robotic Welding Cells, we can offer our customers the most cost effective method of fabrication.

### The advantages to robot welding:

- Faster welding cycle times
- No breaks in production
- Better quality welded product
- Less wasted material
- Consistent weld seam
- Higher precision

## Flash Butt Welding

Our machines have a capacity of 6mm – 52mm in either square or round material.

The main advantages of Flash Butt welding is the speed and the overall strength of the process, there is no foreign weld material used meaning the product can be heat treated afterwards further increasing tensile strength. This process is regularly used where high strength is required, typically lifting links and chains.

## Assembly

Normally this involves us supplying the labour, jigging and assembly fixtures to put together components using our quick and experienced operators.

Operations can involve the use of air tools, presses and riveting machines in tandem with associated automated packaging lines. Items can be packed into your own designed cartons and bags or under plain packaging to suit your needs.

