

Die Casting



Sand Casting



Machining



Quality manufacturing in the UK

Maybrey Reliance

Commitment to quality

A continuing extensive programme of investment and improvements have been implemented throughout our manufacturing facility.

This aids in maintaining our BS EN ISO – AS9100 Aerospace accreditations, so giving us the competitive edge. Investment into plant has enabled a higher turnover of reclaimed sand. This has shown a marked effect, on purchasing – disposal of spent sand, making us more eco-friendly.



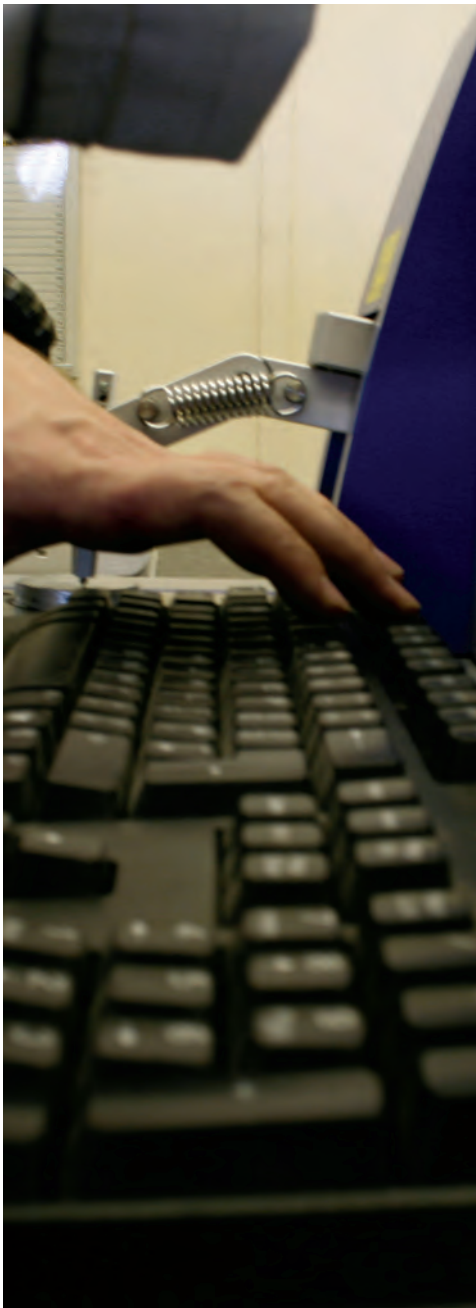
Established 1927

Maybrey Reliance is a Ferrous and Non-Ferrous Sand and Die Casting foundry with CNC machining facilities.

For many years we have been at the forefront of the cast product industry.

Die Casting Sand Casting Machining

We manufacture quality Sand Castings in aluminium alloys up to 100 Kilograms and ferrous castings to national and international standards, up to one tonne. Our gravity die foundry produces castings up to 20 Kilograms in weight.



And offer a comprehensive range
of services including:

- Tool and Pattern
- Gravity Die
- Sand
- Shot Blasting
- X-ray
- Non-destructive Testing
- Light engineering

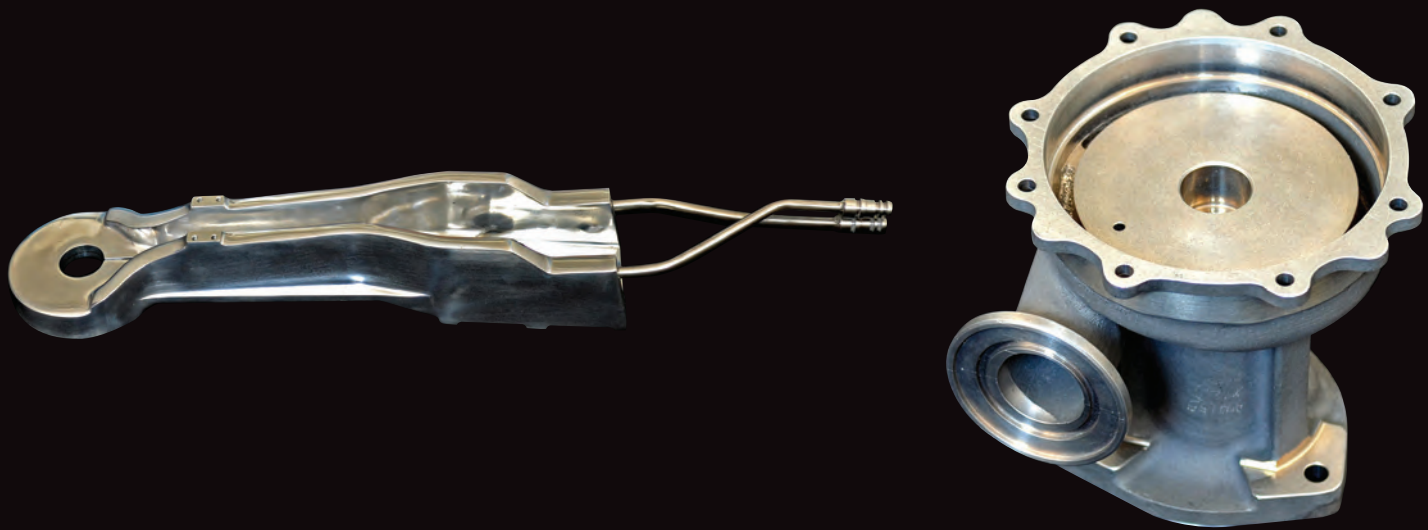


Gravity Die Casting

Maybrey has a very diverse customer base for its die-casting with the largest customer taking only 20% of our turnover. The industries we supply are also diverse and varied ranging from pump manufacturers, aerospace and defence to building products, commercial vehicle and railway braking systems. About 30% of our die castings go to export, most to the EEC but also the USA and Far East.

The die foundry has the back up of its own in house tool room and die repair sections. Smaller dies are made in house with larger tools sub-contracted to a CNC equipped tool room we have dealt with for over thirty years. All our die blocks are cast in house in our iron sand foundry which speeds up delivery on new dies and enables us to keep a close check on material quality.

All new dies are designed in house and in most cases a casting drawing is produced detailing draft tapers, corner rads, machining allowances. Also, any advantageous modifications or concessions that could help both the customer and foundry.

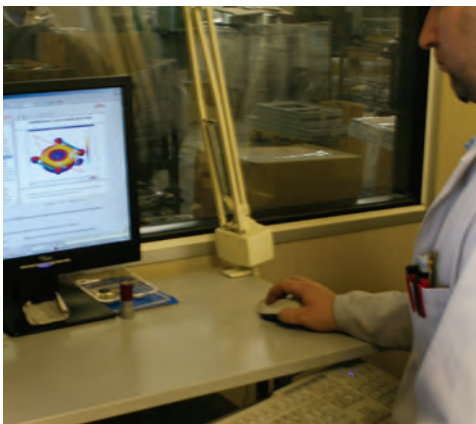
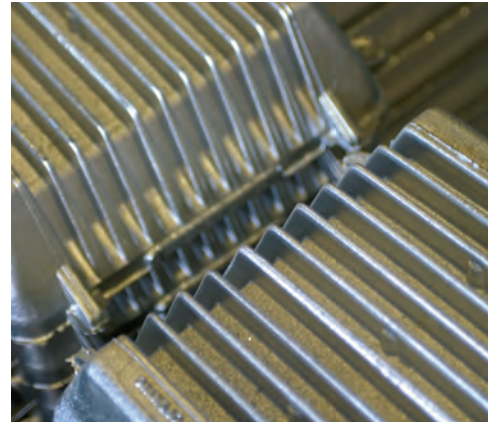


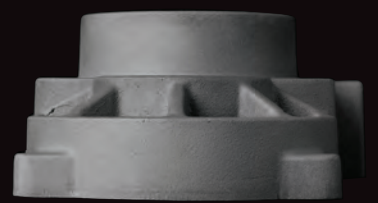
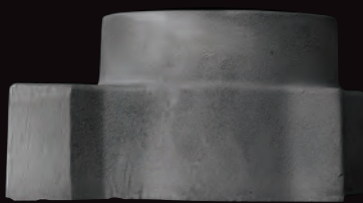


Die Casting

Producing castings for the Aerospace,
Automotive and Defence Industries.

Maybrey is approved to ISO 9001
and AS 9100.





Sand Casting

Maybrey has one of the most diverse sand foundries in the UK, producing high grade flake iron and more sophisticated specifications such as silicon and nickel irons, SG and steels, as well as aluminium and bronze.

Our aluminium section produces castings for both commercial and aerospace industries.

We pump dried silica sand to all of our eight Omega sand mixers, covering both the iron and aluminium sections. Our iron foundry has the capacity to produce complex sand castings up to one tonne in weight with up to 50% of our production going to the EU.

We have three spectrograph machines covering both our ferrous and non-ferrous requirements, with a well equipped inspection department looking after both our commercial and released contracts.

We supply many of our castings machined and have both conventional and CNC machine shop facilities, as well as in house wet and powder coat painting.





Sand Casting

We produce castings in air set, running two methods of binder system. Our foundry produces castings in the full range of aluminium alloys as well as high quality specification Iron, S.G. and Copper based alloys.

We have the latest in sand reclamation plant making us both extremely competitive and environmentally friendly.





Machining

To complement our casting manufacture, we have both conventional and CNC machine shop facilities as well as in house wet and powder coat painting.

We also offer, to complement our machining facility, in house welding, shot blasting and assembly work. Many of the castings that we machine are heat treated in house and we have a fully equipped non destructive testing facility.

Machining

Quality
manufacturing
in the UK



Contact us

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aerospace
sector
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