



Processing

- Thickness Max: 450mm
- Max Length: 17 metres
- Max Width: 6.5 metres β Gas cutting
- Drilling: up to 50mm thick plate
- Max hole size: 101mm dia β drill

BENEFITS



Cost Effective



12x Multi-change Drill



No Heat Affected Zones



EN1090

GAS & DRILL MACHINE

The Omnimat® L profiler Gas & Drill system represents a significant investment in technology at our Stoke-on-Trent site, offering customers an in-house solution to drilling and gas processing requirements.

The machine offers Oxy Gas cutting and while one of the oldest processing options within the industry, it is as popular as ever. With the ability to cut through 450mm thick pieces of steel in a timely manner, Oxy Gas cutting offers a reliable and fast service with 6 cutting heads speeding up processing time. The addition of drilling, enables fast turnaround of finished parts to industry standards.

WATERJET

Waterjet cutting creates endless opportunities for our customers to bring their ideas to life...

Our waterjet machine can be a cost effective option for customers while offering some of the most intricate parts. This is due to a jet width of 1.2mm in diameter, meaning that subsequently plates require little to no dressing to achieve fantastic finished parts.

- Emits no hazardous materials
- Twin head offers faster turnaround time
- Accurate cutting tolerance of +/- 0.5mm
- Meets cutting requirements for EN1090
- No heat affected zone

Processing:

- Thickness Max: 150mm
- Max Length: 4 metres
- Max Width: 3 metres

LASER CUTTING

At Brown McFarlane we offer laser cutting in-house with the latest laser cutting technologies. The Bystronic BySprint 3015 has a bed size of 3m by 1.5m with one of our shortest cutting times available!

With this machine we are able to deliver first-class quality across the entire range of sheet thicknesses in both stainless and carbon steels.

- Ultra-accurate tolerances of less than 0.3mm
- Ideal for intricate or complex designs
- Edge quality is better than other cutting processes
- Minimal heat affected zone
- Reduced chance of work piece warping
- Ability to cut difficult and stubborn materials

Processing:

- Thickness Max: Stainless - 12mm
- Thickness Max: Carbon - 15mm
- Max Length: 3 metres
- Max Width: 1.5 metres



INFINITY

SKEW

Our Infinity Plasma Contour Beveling machine gives us a significant quality assurance and lead time improvements.

With the capability to produce K, V, X & Y weld preps on all profiled shapes along with straight cut profiles, our infinity plasma machine can also produce single or double V bevels accurately on angles from +45 to -45 as part of a profiled cut.

- An accuracy of +/-1mm maintained throughout
- Superior edge quality
- Reduces need for secondary processing
- Ability to cut tight radii

Processing:

- Thickness Max: 100mm
- Max Length: 17 metres
- Max Width: 4.75 metres



STAINLESS PROCESSING

Our dedicated stainless steel plasma cutting machine offers fast and efficient processing of stainless steel plates for customers giving quality assurance with minimal dressing required.

Benefits

- Reduces angular deviation and quality of cut surface
- Reduces need for secondary processing, also reducing cost
- Fastest order turnaround
- Large bed size
- Reduces heat affected zones



STAINLESS PRODUCTS

We offer stainless steel, duplex and super duplex steels in a large range of grades and thicknesses. All material is sourced from Western European mills, meeting leading international standards.

Grade	UNS	EN Number	Steel No.
304/304L	S30400/S30403	10088-2/10088-4/10028-7	1.4301/1.4307
304H	S30409	10088-2/10088-4/10028-7	1.4301/1.4948
316/316L	S31600/S31603	10088-2/10088-4/10028-7	1.4401/1.4404
321/321H	S32100/S32109	10088-2/10088-4/10028-7/10095	1.4541/1.4878
31803	S31803/S32205	10088-2/10088-4/10028-7	1.4462
32750	S32750	10088-2/10088-4/10028-7	1.4410
32760	S32760	10088-2/10028-7	1.4501

OTHER SERVICES

- Full CAD Service
- Surface Grinding Machining
- Shot-blasting and Painting
- Countersunk or Tapped Holes
- Parts can be delivered in kit form to site, for your final assembly.