



WATER JET CUTTING AND PROFILING

Our Water Jet machine has a 3 metre x 1.5 metre cutting bed and is also a twin headed machine. The advantage of the twin heads is that the Water Jet machine can mirror the cut on one head and as a result speed up the cutting time and reduce the cost.

Benefit over Laser or Plasma is the variety of materials that can be cut along with the cold cut of water which does not affect the properties of the material.

As a customer all you need to do is provide us with a drawing of your requirements. Ideally in a DWG, or DXF format and we will nest the components on a sheet to maximise material usage and provide you with a competitive quotation.

We aim to provide quotations within five hours of enquiry receipt.

Material can be provided or can be free issued.

Providing we have the required material in stock, we will endeavour to provide a 2 – 3 day delivery from receipt of order. However, if a better turnaround is required please discuss at the time of enquiry.

The water Jet produces a 0.8 mm jet of water with a pressure of 60,000 psi, working at a tolerance of ± 0.2 mm.

To enhance the aesthetics on metal profiles we have a Grind Master which is able to produce a Dull/Brushed uniform surface finish.

CAPACITY LIST

Twin Head Bystronic Water Jet Cutting Machine	X=3000, Y=1500, Z=200
GrindMaster Graining Machine	X=900, Z=150
Overhead Gantry	

Material thickness cutting capacity	Effective	Separation
Stainless Steel	0.2 – 50 mm	50 – 150 mm
Aluminium	1 – 70 mm	70 – 170 mm
Steel	5 – 50 mm	50 – 150 mm
Copper	0.2 – 60 mm	60 – 150 mm
Brass	1 – 60 mm	60 – 150 mm
Wood	5 – 80 mm	80 – 150 mm
Plastics	0.2 – 80 mm	80 – 150 mm
Carbon	0.2 – 60 mm	60 – 150 mm
Foam Plastic	1 – 100 mm	100 – 200 mm
Rubber	0.2 – 80 mm	80 – 150 mm
Stone	5 – 60 mm	60 – 100 mm

For cutting capacity of materials not listed, please contact us.

All dimensions in mm