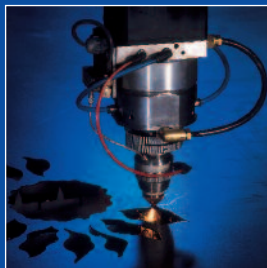


Your complete cutting and marking solution!



**MATRIX**  
**LASERS**

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



## Choose the service to meet your needs

- Laser cutting
  - High definition plasma cutting
  - Laser marking
  - Waterjet cutting
- 
- Secondary operation services
    - box section slotting, bending, drilling and tapping, countersinking and boring turning and milling, welding and metal finishing

Utilising a range of full CNC controlled machines we can take files direct from disc for cutting or marking exactly to your specifications.

We can cut small to large batch quantity precision laser cut parts and secondary operation requirements inhouse with competitive prices right across the range.

And with 24 hour operation and excellent co-ordination you can be sure that your job will be processed quickly, accurately and efficiently at very competitive rates!

We can process product information in any format - from DXF CAD files on disc or email, to hand drawn artwork - all in accordance with our quality procedures and if you need advice, we have an experienced sales teams at each site offering technical advice and competitive pricing structures.

We currently process flat plate, round tube, square box section, circular and flat blade saws and have the flexibility to design and mount fixtures to process alternatives to flat plate profiles. The following industries have benefited from our service; aerospace, architectural, automotive, defence, electronics, gaskets, glass, marine, presswork, sheet metal fabrication, sign and shop fitting, heat/power generation, medical, plastics and wood.

If you would like to discuss a particular project or would like a competitive quotation for a cutting or marking job, please contact our experienced sales team, David Henderson or Keith Latham on:

T: 024 7666 3222

F: 024 7666 3444

E: [matrixlasersltd@btconnect.com](mailto:matrixlasersltd@btconnect.com)

# Laser cutting service



A quick accurate method of cutting a wide range of materials, our precision laser cutting facility will be of great interest to you.

## CUTTING CAPABILITIES

- Mild Steel
- Stainless Steel
- Tool Steel
- Armour Plate
- Chrome-Moly Steel
- Aluminium
- Ground Flat Stock
- Plastic/Acrylic
- Nylon
- Wood/MDF

## CUTTING CAPACITIES

- Plates and sheet up to 3m x 1.5m
- Steel up to 15mm thick
- Stainless steel up to 12mm thick
- Aluminium up to 8mm thick
- Plastics up to 25mm thick
- Wood up to 50mm thick

# High definition plasma (incorporating pipe cutting)



Recently installed new high definition plasma cutting machine with pipe cutting facility. A quick accurate high speed method of cutting a wide range of materials whilst still retaining good detail.

## CUTTING PARAMETERS

- Plate En43a
- Stainless Steel
- Aluminium
- Piercing mode 0.5mm to 32mm
- Edge cut EN43a and Stainless Steel up to 62mm
- Edge cut Aluminium up to 50mm

## PIPE CUTTING

- 100mm to 500mm

## FEATURES

- Table size: 3000mm x 2000mm
- Hypertherm HPR260 High Definition Plasma power source
- Precision edge cut
- Tolerance +/- 0.500mm

# Waterjet cutting service (with 2 cutting heads and bevel edge finishing)



With state-of-the-art computer technology, our waterjet sub-contract cutting service is easily capable of slicing cleanly, efficiently and accurately through virtually any material - hard or soft, thick or thin - with the minimum of material wastage.

And, because our waterjet cutting service utilises water as a cutting force, minimal heat is generated during the cutting process effectively eliminating heat-affected zones in the cutting area. This means no thermal shock or heat damage to cut components - just a quick, clean environmentally 'safe' cut.

## CUTTING CAPABILITIES

- Aluminium
- Armour Plate
- Ceramics
- Composites/Laminates
- Glass/Timber
- Hard Tool Steel
- Carbon Fibre/GRP/Kevlar
- Stone/Marble/Granite
- Stainless Steel
- Timber

## CUTTING CAPACITIES

- Aluminium up to 100mm thick
- Armour plate up to 50mm thick
- Brass up to 70mm thick
- Ceramics up to 75mm thick
- Glass up to 50mm thick
- Marble up to 40mm thick
- Plastics up to 80mm thick
- Plates and sheet up to 3m x 1.5m
- Steel up to 75mm thick
- Stainless steel up to 50mm thick
- Wood up to 100mm thick

# Laser marking service



Our laser marking sub-contract service can offer you the best production marking and part identification solution available. A consistent, high quality laser mark can be permanently applied to a vast range of materials from carbide to plastic to glassware to stainless steel and because the mark is made with no product contact it is clean and fast.

You can reproduce alpha-numerics, logos, data codes, tracability codes, bar codes or in fact anything that can be supplied as a DXF CAD file. These can be applied as surface marks or deep marks dependent on your application and onto curved or irregular surfaces.

## MARKING CAPABILITIES

### Metals

- Aluminium
- Chromium Plate
- Copper Alloys
- Ferrous Metal
- Nimonic
- Silicon Bronze
- Stainless Steel
- Tantalum
- Titanium

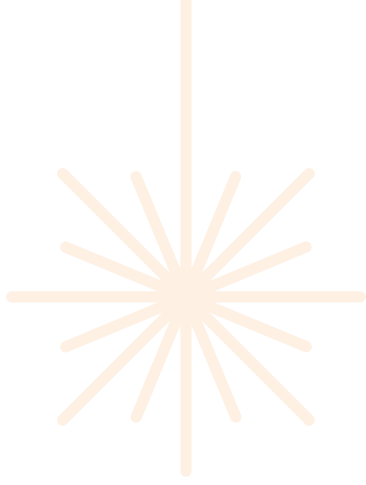
### Plastics

- ABS
- Mylar
- Phenolic
- Polycarbonate
- Polythene
- Polyester
- Polypropylene
- Polystyrene
- PVC

### Others

- Anodised Materials
- Carbide
- Ceramics
- Chrome Satin Coating
- Crystal Materials
- Glass
- Magnetic Tape
- Paint Removal





## Contact us

David Henderson or Keith Latham

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