



LASER CUTTING

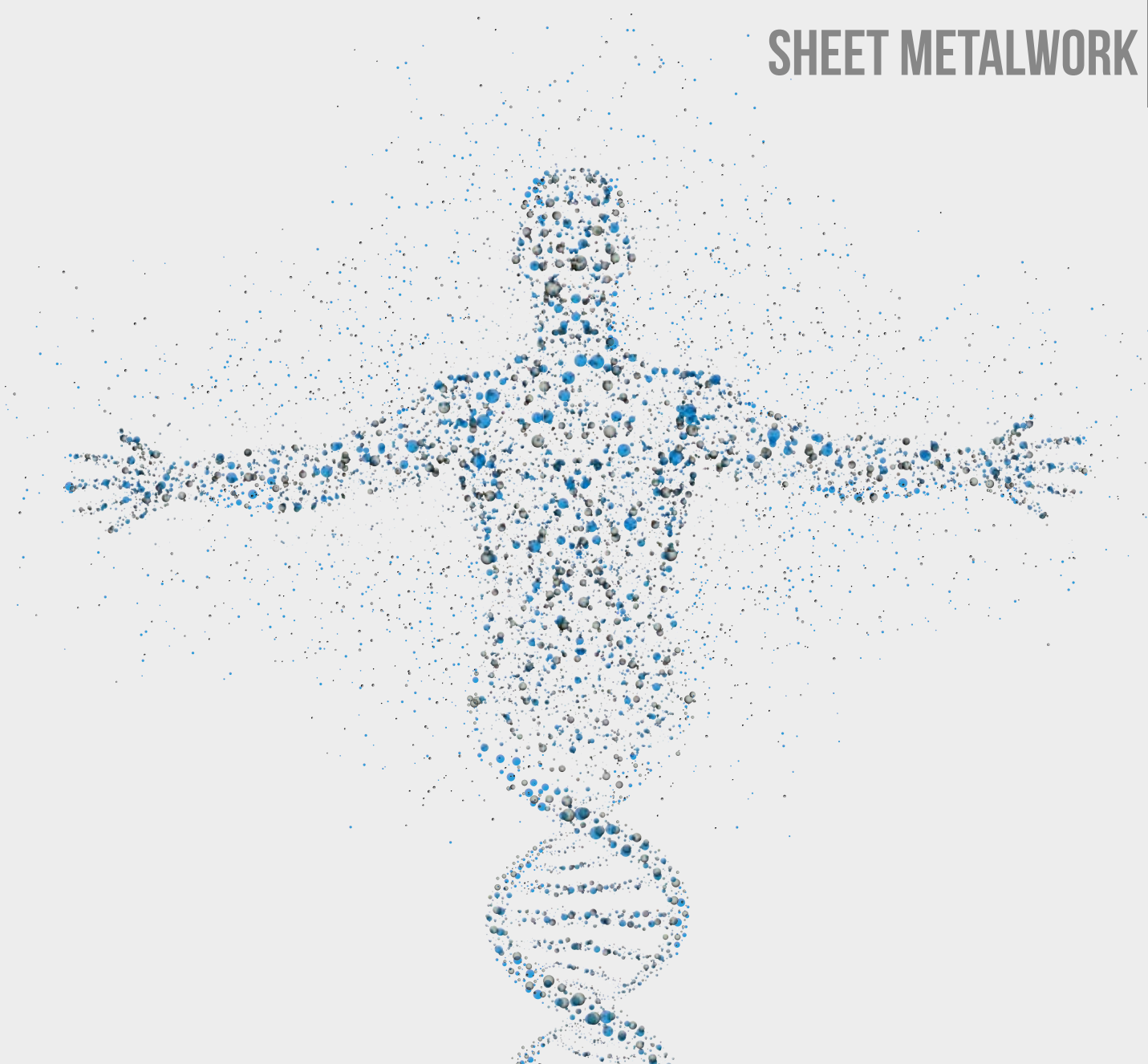
PLASMA CUTTING

WATERJET CUTTING

FLAME CUTTING

CNC PUNCHING

SHEET METALWORK



LASER CUTTING



BEVEL CAPABILITY UP TO 45°

TUBE CUTTING

We have two state-of-the-art 3D tube cutting machines working around the clock, with the capability to cut tubes, box section and open profiles up to 6m x 1000mm diameter and 40mm wall thickness.

These machines cut complex contours effortlessly and without touching the tube to produce a scratch free component. Due to the high edge quality of our laser cut tubes, there is virtually no refinishing required.

FLAT BED

Following heavy investments in laser cutting technology, we have 21 flat bed laser cutting machines available in-house which includes four fibre lasers.

We have the capability to cut components up to 25mm thick in stainless and mild steel, 20mm in aluminium and 10mm in copper and brass with a bed size of up to 20m x 3.2m.



AUTOMATION

We have a range of automated laser cutting machines in-house which provide superior contour precision and higher part quality than most other laser cutting machines on the market.

With SortMaster part sorting automation and intelligent flexible manufacturing systems designed for sheet loading and unloading, our automated machines are ideal for large contracts and batch orders.

PLASMA CUTTING



ROBOTIC PLASMA TUBE CUTTING

Our robotic plasma machine with 3 dimensional cutting is designed specifically for cutting tube and pipe components up to 40mm thick.

The plasma tube cutting technology replaces the need for manual processes such as hand grinding, sawing and drilling, meaning tube and pipe can be cut more accurately, more efficiently and more cost effectively.



FLAT BED PLASMA CUTTING

Our high definition plasma cutting technology with bevel capability has a large format cutting area of 25m x 5m with twin cutting head technology, allowing cutting of components up to 50mm thick.

Our machines run continuously and are capable of cutting both chamfers up to +/- 40 degrees.



ADVANTAGES

Advantages of using the high definition plasma cutting method include its rapid cutting speed and ability to cut through a wide range of materials and thicknesses. It also gives the end user an alternative cutting method when using material thicker than 10mm.

Although plasma cutting involves the use of heat, the HAZ (heat affected zone) is narrow and the need for cutting edge dressing is eliminated.



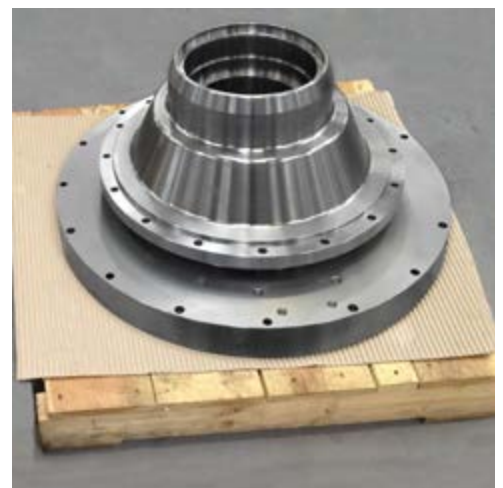
WATERJET CUTTING



WATERJET CUTTING

Our dynamic waterjet machines boast an accuracy that matches machined tolerances of +/- 0.1mm, making it the right choice for parts where it is critical that no melting, distorting or warping of the material occurs.

As there is no HAZ (Heat Affected Zone) when using a waterjet cutting machine, additional material hardening or machining is unnecessary.



CUT UP TO 12M X 2M

With four dynamic waterjet cutting machines available in-house, including a state-of-the-art four head Bystronic machine, we have the capability to cut almost any material up to 12m x 3m and 200mm thick.

Using different cutting speeds we can provide accuracy that matches machined tolerances of +/- 0.1mm.



ANY MATERIALS

We can cut almost any material, including:

- | | |
|-----------------|--------------|
| Aluminium | Cork |
| Copper | Foamex |
| Brass | Rubber |
| Bronze | Glass |
| Carbon Steel | Fibreglass |
| Stainless Steel | Carbon Fibre |
| Iron | Wood |
| Acrylics | Marble |
| Plastics | Ceramics & |
| Carpet | Composites |



CNC PUNCHING



CNC PUNCHING

Our CNC Punching capability enables us to offer an alternative processing route to our other profiling methods, giving us the flexibility to select the most cost-effective route to manufacture parts.

The TruPunch 3000 is recognised as one of the fastest and most productive CNC punching machines in the world, allowing us to guarantee customers a rapid turnaround on orders with a high quality finish.



CAPABILITIES

We have the capability to punch sheets up to 2500mm x 1250mm x 6mm thick with a punching accuracy of 0.02mm.

In addition to CNC punching, we can emboss, bend, form, countersink, thread form, bead, contour cut, part stamp and engrave components, reducing the need for additional operations.



MATERIALS

Some of the materials we can CNC punch up to 6mm thickness include:

- Stainless steel
- Mild steel
- Zintec
- Galv
- Aluminium
- Copper
- Brass
- Pre-coated steels

URSVIKEN

SHEET METALWORK

With 23 CNC press brakes available in-house and the capability to press metal sheets up to 7.2m wide, we can handle parts of the most intricate shapes and sizes from small sheet metal brackets to large pressed components.

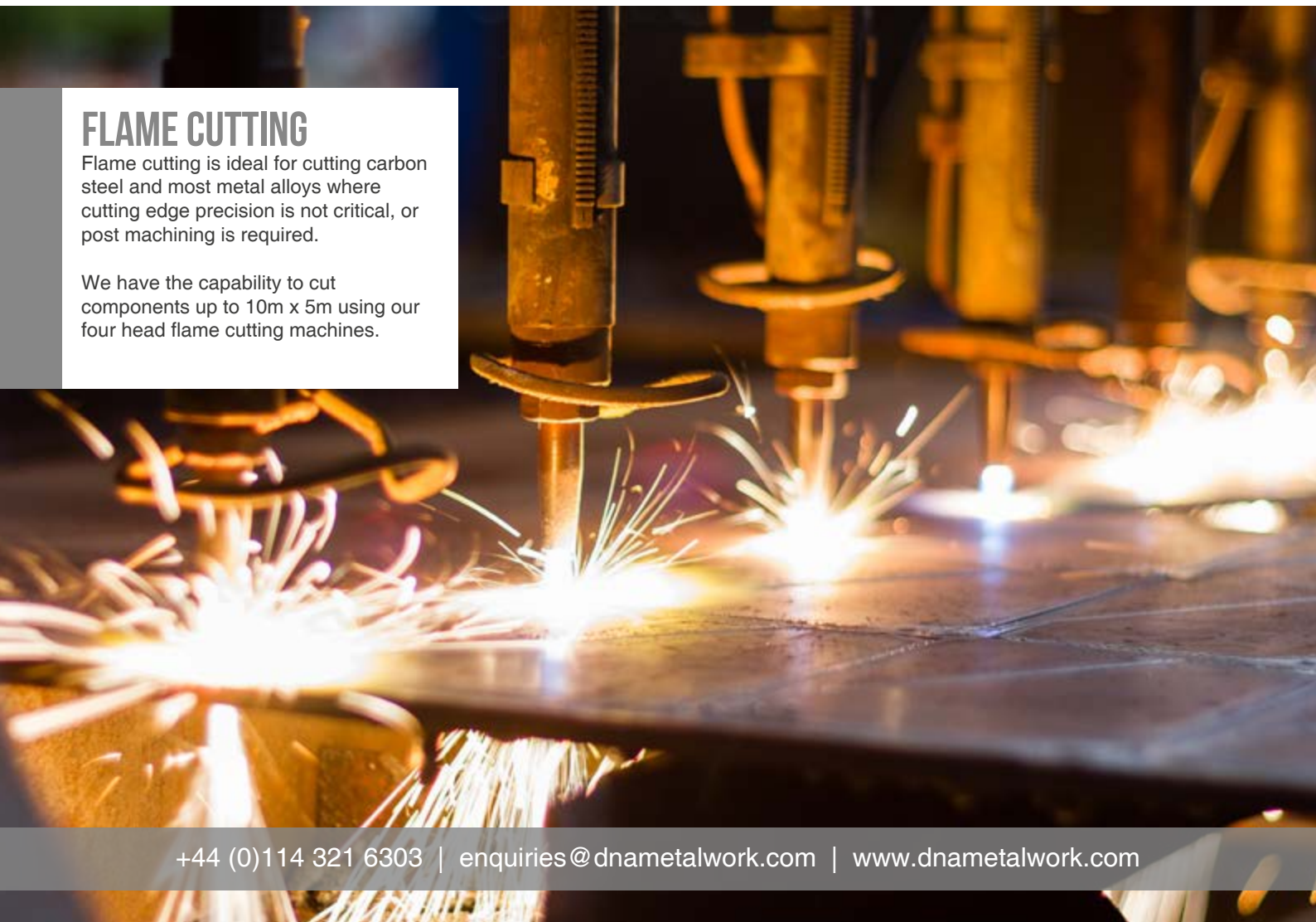
Our extensive press braking line-up includes two 640 tonne press brakes, one of which has a 600kg state-of-the-art robotic handling system able to press parts up to 60mm thick.



FLAME CUTTING

Flame cutting is ideal for cutting carbon steel and most metal alloys where cutting edge precision is not critical, or post machining is required.

We have the capability to cut components up to 10m x 5m using our four head flame cutting machines.





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