

# Sherburn Metalwork



***COST-EFFECTIVE, QUALITY  
ENGINEERING & FABRICATION  
SERVICES - 24 / 7 OPERATIONS***

## **FABRICATION SPECIALISTS**

- LASER & WATERJET CUTTING
- MIG, TIG & ARC CODED WELDING
- ROBOTIC MIG & TIG WELDING
- FAST QUOTATION TURNAROUND
- HIGHLY COMPETITIVE PRICES
- SAME / NEXT DAY SERVICES
- NATIONWIDE DELIVERY





## INTRODUCTION

**Sherburn Metalwork** offers a one-stop-service at our state-of-the-art facilities in Sherburn-in-Elmet, Leeds, with all metal fabrications carried out in-house. From design through to installation, we are here to provide you with the support you require for your project.

Our skilled engineers are conversant in all aspects of fabrication from light fineline sheet metal work through to small, medium and large fabrications. Our clients require both bespoke and batch work fabrication in various metals including mild steel, boiler plate, corten, 304/316/2205 stainless steel, monel, titanium and invar; we've even been known to work with platinum!

Working to ASME, BSEN standards our team are highly skilled in areas such as Sheet Metalwork, Fabrication, Fitting, Metal polishing and Welding; MIG, TIG, MMA and Sub-Merged Arc in all disciplines.

With over 30 years experience, we can guarantee you're in the right hands for all your metal fabrication requirements.

## FABRICATION

We design and fabricate a broad range of projects from small precision components to large industrial fabrications.

With a wide range of modern fabrication equipment as well as **sheet metalwork** and **heavy engineering** services we are ideally placed to cater for a diverse customer base and accommodate the needs of niche industries including Defence Land Systems, Marine, Subsea, nuclear, aerospace and oil & gas.

With an in-house design team utilising the latest software, we can provide support for any project from concept to completion. We also provide an installation service, with **CSCS qualified installers** and **PTS qualified installers**.

We handle many materials including stainless steel, Duplex and mild steel at various grades. Multi-coded welding is utilised on the majority of projects, with delivery of the final piece organised and despatched by our fleet of vehicles and / or our reliable and professional network of transport partners.



Accredited to ISO 9001:2008 standard, we regard quality as imperative

## FAST QUOTATION TURN AROUND

We understand the importance of fast quotation turn around for our customers, we are always increasing our number of estimators which enables us to deal with most enquiries in less than 24 hours.



## LASER CUTTING

Continuous investment in the latest laser cutting technology is the key to our dramatic growth over the past few years and our state-of-the-art CNC laser machines enable us to compete at the highest level.

We can offer laser cutting of plate, tube, box and most open profiles such as angle and channel. The loading capability is fully automatic with a capability of handling 6 tonne bundles at a time.

Our capacity list includes 8 flat-bed lasers, 2 tube lasers, 8 press brakes as well as full in-house fabrication and CNC machining facilities.

- **Plate and Sheet:** up to 4m x 2m
- **Mild Steel:** up to 25mm thickness
- **Stainless Steel:** up to 30mm thickness
- **Aluminium:** up to 20mm thickness
- **Tube Cutting & Box Section:** up to 8.5m long with a dia up to 250mm & wall thickness of 12mm.
- **CNC Bending & Folding:** up to 4m long & 250 tonne
- **Fibre Laser Cutting:** Copper, Brass & other non-ferrous metals up to 6mm thickness, with a bed size of up to 3 x 1.5m
- **Sheet Metalwork**

## WATERJET CUTTING

We have the capacity of waterjet cutting any material **up to 200mm thickness**, with a **bed size of 4 x 2m** and an accuracy that matches machined tolerances of **+/- 0.1mm**.

Waterjet/Abrasivejet Cutting gives us a way to routinely cut precision parts with **tolerances as close as +/- 0.005"**, and better when required. Cutting is controlled by a computer and special software which follows profiles/part geometry designed using Computer Aided Design (CAD) software.

We can waterjet cut the following materials amongst many others: *Aluminium, Copper, Brass, Bronze, Carbon Steel, Stainless Steel, Iron, Acrylics, Plastics, Carpet, Cork, Foamex, Rubber, Glass, Fibreglass, Carbon Fibre, Wood, Leather, Silicone, Granite, Limestone, Marble, Slate, Ceramics, Armoured Plate, Composite Material and many more!*

Waterjet and abrasivejet cutting produce **no heat affected zone**, meaning we are able to cut various metals, plastics and other materials without melting, distorting or warping them!

## TUBE & BOX SECTION CUTTING

Rotolas capability for tube and box section cutting up to 414mm diameter envelope!

## NICHE INDUSTRIES ...

We work to a 100% right first time ethos with a highly skilled workforce and are well-versed in the fabrication of Aerospace and Nuclear equipment.

# “ 24 - 7 OPERATIONS ”



## CNC MACHINING

We also provide a wide range of CNC machining services; with over 30 CNC Machines including large floor-type milling machines and 5 axis Mill/Turn Centres, we can cater for any machining requirements from small turned parts to large machined fabrications.

Operating from purpose built facilities we are able to carry out entire projects in-house right through from the initial consultation, to the machining / fabrication, installation and inspection of the completed product. With a wide range of state-of-the-art equipment, we have the ability to undertake large batch work or individual one-off pieces or projects.

- **Mill / Turn capacity** (up to): 920mm dia & 4m length
- **Milling capacity** (up to): 11.5m x 1.5m x (2.5m + 0.45m)
- **Turning capacity** (up to): 480mm dia & 1583mm length with 85mm bar feed
- **Craneage facilities** (up to): 30 tonnes

## ARCHITECTURAL METALWORK

We also carry out bespoke architectural stainless steel fabrications for public artists, architects and regeneration specialists providing fabrication expertise, design consultation and installation services to deliver any and all stainless steel fabrication requirements.

Projects include numerous bespoke pieces of public art, bridges, canopies, staircases, lighting and seating.

## RAIL SERVICES ...

We take credit for many of the rail structures across England and Wales including bridges, signal structures & gantries, cantilevers, rollingstock metalwork, electrical enclosures and CCTV products!



Link-up: Registered  
Link-up: Qualified Via Audit

## WHAT WE CAN DO FOR YOU

We occupy 180,000 square foot of facilities all specialising in different areas, meaning there's a wealth of services available to you...

<b>LASER CUTTING</b>	Flat-bed, Tube & Box-section with a 4m x 2m bed size. Stainless steel up to 30mm thickness, Aluminium up to 20mm thickness. Copper, Brass & other non-ferrous metals up to 6mm thickness.
<b>WELDING &amp; FABRICATION</b>	Coded TIG, MIG & ARC welding; Robotic TIG & MIG welding, oxy-acetylene & arc welding, spot welding, stud welding, brazing and soldering. In-house facilities for small to large fabrications & heavy engineering.
<b>MACHINING</b>	Comprehensive in-house machining capabilities are available for CNC machining, CNC turning and conventional milling, turning, grinding, drilling etc.
<b>WATERJET CUTTING</b>	Capacity of waterjet cutting any material up to 200mm thickness with a bed size of 4 x 2m, with an accuracy that matches machined tolerances of +/- 0.1mm.
<b>SHEET METALWORK</b>	CNC Bending & Folding capability up to 4m long and 250 tonnes. CNC Punching. CNC Press Brake.
<b>TURNING</b>	Centre lathes, capstan lathes, bar automatics
<b>MILLING</b>	Universal / horizontal / Vertical. up to 11.5m length.
<b>GRINDING</b>	External, internal, surface
<b>DRILLING</b>	Radial, multi-column, pillar bench
<b>TAPPING</b>	Column and bench
<b>ASSEMBLY</b>	Mechanical, electro-mechanical & hydro-mechanical assembly facilities.
<b>TOOL ROOM</b>	Our well-equipped tool room supplies both our internal need and external customer requirements for jigs, fixtures and prototype manufacture, with CMM measuring machines.
<b>ANCILLARIES</b>	In-house plant and equipment for: sawing (horizontal, vertical and circular), polishing, finishing and paint spraying.
<b>FINISHING</b>	In-house Vaqua blasting, mechanical polishing and paint spraying to specification. For your hardening, electro-plating and other treatment requirements, we have long standing arrangements with specialists in these processes.
<b>CUTTING</b>	Guillotines, sawing
<b>PUNCHING / NIBBLING</b>	Turret punch
<b>PRESSING / FORMING</b>	Pressbrakes, folders



## MEETING YOUR NEEDS: ....

We produce a wide and diverse range of metal fabricated structures; we undertake projects large and small and are happy to provide quotations for specialised single products or batch orders. To ensure prompt delivery, a full range of mild and stainless steel material is held in stock at all times.

- Fast Quotation Turnaround
- Highly Competitive Prices
- Same / Next Day Services
- Nationwide Delivery
- 100% Quality Right First Time
- Material Stock

**Sherburn**  
Metalwork



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***24 hours, 7 days a week  
Operations***

**CONTACT US NOW TO  
DISCUSS YOUR REQUIREMENTS**

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