

24HR ENGINEERING

100'S OF POSSIBILITIES AT OUR FINGERTIPS



Situated at the heart of the Medway City Estate in Rochester, Kent, Twenty Four Hour Engineering is able to undertake both machining and fabrication to meet your requirements.

Founded in 1995, the company occupies over 7,000 sq. ft of production space, specialising in one-offs, prototyping and batch manufacturing runs.

We are able to work in steel, stainless steel, aluminium and most plastics. In addition we have sheet metal facilities, and custom scrolling machinery for those special gates and grills.

A reliable service always aiming for customer satisfaction

Friendly and experienced team of staff

Delivery and installations all over the UK

Fully Certified

Vast in house capabilities

Fast Turnarounds

Twenty Four Hour Engineering
Ltd

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Kent

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Twenty Four Hour Engineering are proud to be Certified in respect to EN 1090 - 1:2009+A1:2011 - Execution of steel structures and aluminium structures.

The manufacture (including welding) and installation of structural work in steel up to and including execution class 2 (EXC2) as defined in EN 1090-2



Machining

Machining – CNC & Lathe

Twenty Four Hour Engineering Ltd operate a dedicated machine shop and are able to carry out one off bespoke items or batch machining. Our CNC Operatives have a wide range of knowledge and years of experience operating the machinery, along with programming and 3D design work.

Our in house facilities cover the following:

Milling:

CNC up to 2mtr in length on our Haas VF6.

Fourth axis available on our Bridgeport VMC 822.

CNC machine up to 4.5mtr lengths in our bespoke BAUER Bohrmax Z40 drill & mill line.

Complementing these machines we have a Haas Mini Mill and a Bridgeport 516 Interact for second operations

Programming is done offline using Fusion 360, this enables us to produce complex 3D forms from solid models which can be emailed to us in a wide variety of formats.

Turning:

CNC up to 250mm dia and 350mm long on our Haas SL10 and Haas SL20 Turning Centres.

Other Machining:

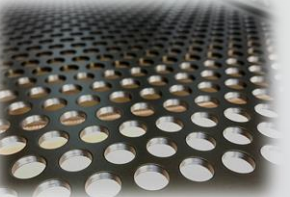
Drilling machines.

Automatic Barfeed Bandsaw

Highspeed Aluminium section saw.

Grinding master, Surface graining machine.

Polishing machines.



Sheet Metal

Sheet Metal - Amada Brakepress, Promecam & LVD

Twenty Four Hour Engineering have the skilled workforce to provide simple plates and brackets through to complex units and assemblies in either small quantities or large batches if required. We specialise in a range of processes, including laser cutting, folding, punching, welding and powder coating, meaning we can work on your project from start to finish in-house.

There are numerous methods that can be used to fabricate sheet metal, most of which involve using machinery to cut, bend, roll and form the metal. All of these processes can be achieved on one of our internal machines - Amada Brakepress, Promecam, LVD.

We are able to manufacture using our customer's drawings or we are able to design drawings in house using our advanced 3D CAD system.

We also understand that each project is unique and has unique specifications and requirements. This is why we offer a large number of materials you can choose from including the following;

- Aluminium
- Brass
- Copper
- Galvanised steel
- Mild steel
- Stainless steel
- Zintec

For any other requirements or specific requests, please give us a call. We are always happy to help or advise you on the best technique of achieving your vision.



Fabrication

Fabrication in Mild Steel, Stainless Steel, & Aluminium.

Here at Twenty Four Hour Engineering we have our own facilities to cut and fold sheet material, up to 4 metres long and up to 8mm thick in Aluminium & Mild steel, 3mm in Stainless steel.

We can roll tube, box section or flat bar in our Ring Rollers and have the ability to roll sheet up to 5mm thick x 1 Metre wide in our sheet metal rolls.

Over the years we have undertaken many different projects from simple fabricated boxes to extravagant Water features, Canopies, Staircases and Balustrades many of which have included structural glass. Our highly skilled craftsmen can fabricate to close tolerances and enjoy producing beautiful artistic works.

Much of our Bespoke work is supplied and fitted in upmarket private houses in London, where we work with Clients and Architects alike. We have even produced several aluminium chandeliers, some 3 metres high and 2.5 metres in diameter, which are being used by our clients for Corporate Functions and Weddings as a decorative centre piece.

We pride ourselves in making your job look better than you imagined with years of combined experience which covers various engineering and manufacturing sectors. We have a strong, friendly team of staff to meet all of our clients requirements.

We are able to offer the following internally:

- TIG Welding
- MIG Welding
- SPOT Welding

Various onsite welding on request.



Previous Projects

From be-spoke design to batch quantities



Steel Table Base

Be-spoke table base, commissioned by one of our regular customers



Mirror Polished Railings

Made to measure for a new build property, be-spoke design, built and installed by 24hr Engineering Ltd.



Glass walkway

Glass walkway, with 316 mirror polished stainless trims, installed by 24hr Engineering Ltd.



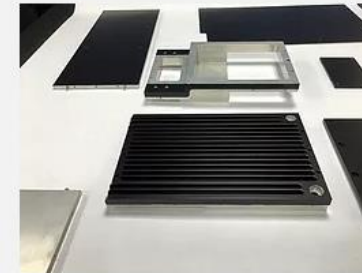
Glass Balustrade

Garden Glass balustrade, manufactured and designed by 24Hr Engineering from 316 mirror polished Stainless



Bespoke Table

Designed and manufactured by 24Hr Engineering Ltd and powder coated by JDM Powder Tech Ltd



Machined Components

Machined in house with our CNC milling machinery, from Stainless, Aluminium, Brass & Steel

Additional Services:

- Plating
- Galvanising
- Polyester Powder Coating
- Nylon Powder Coating
- Laser Cutting
- Waterjet Cutting
- Flame Cutting
- Heat Treatment
- Paint Stripping

Industries Supplied:

- Aerospace
- Architectural
- Automotive
- Commercial
- Defence
- Electronic
- Food industry
- Petrochemical
- Hydraulics
- Electrical
- Scientific
- Robotics