

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 Sheet Metal, Laser Cutting, CNC Machining, Fabrication and Architectural Metal work to meet all of your requirements.

Founded in 1995, the company occupies over 10,000 sq. ft of production space, specialising in one-offs, prototyping architectural metalwork and batch manufacturing runs.

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

Reliable service

Friendly & experienced team of staff

Delivery and installations all over the UK

BS EN1090 Certified

Vast in house capabilities

Twenty Four Hour Engineering Ltd
Unit 28/29 Victory Park,
Trident Close
Rochester
Medway City Estate
Kent
ME2 4ER

Tel: 01634 724041

Email: info@24hreng.co.uk

Website: www.24hreng.co.uk



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ENGINEERS
FABRICATORS
MACHINISTS

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Twenty Four Hour Engineering Ltd are proud to be certified in respect to EN 1090 - 1:2009+A1:2011 - Execution of steel 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

SHEET METAL & FABRICATION

Fabrication in Mild Steel, Stainless Steel, & Aluminium.

We pride ourselves in making your job look better than you imagined, and our highly skilled Sheet Metal Operatives and Welders can work to close tolerances in all metals and thickness' up to 30mm.

Our in-house design team work with the latest versions of AutoCAD, Advanced Steel and Fusion 360 and can produce both approval and manufacturing drawings with the ability to supply our customers 3D modelling of your final product.

Since Twenty Four Hour Engineering Ltd opened we have undertaken many different projects, from simple fabricated box section frames, to extravagant water features. We can also provide structural steels, canopies, supermarket cladding, staircases and balustrades, many of which have included structural glass.

Much of our work is supplied and fitted by ourselves in both domestic houses and commercial buildings, working directly with the Clients and Architects alike.

Registered under BS EN1090 enables Twenty Four Hour Engineering Ltd to supply and install both Steel and Aluminium structures up to and including execution class 2 (EXC2) as defined in EN1090-2

Our in-house facilities cover the following:

- LVD Laser cutting machine, up to a maximum sheet size of 2500mm x 1250mm
- Guillotine up to 3000mm x 1500mm
- Amada Punch Machine
- Sheet Cropper
- Coded structural welders
- Auto feed Steel & Aluminium bandsaws

Twenty Four Hour Engineering Ltd and its staff have years of combined experience, which covers various engineering and manufacturing sectors and has a strong, friendly team of staff to meet your requirements.



CNC MACHINING

Machining – CNC & Lathe

At Twenty Four Hour Engineering Ltd we have a dedicated machine shop and are able to carry out both one off prototypes or bespoke items, to large batch machining. Our CNC operatives have both a wide range of experience and knowledge.

We work with both AutoCAD and Fusion 360, which enables us to supply drawings in both 2D and 3D.

Our in house facilities cover the following:

CNC Milling:

Machine up to 5mtr in length in our Bormax and HAAS VF6 Milling Machines.

Fourth Axis Milling on our Bridgeport VMC 822.

Completing these we have a HAAS Mini Mill and a Bridgeport 516 Interact for secondary operations.

CNC Turning:

Up to 250mm diameter and 350mm long in our HAAS SL10 and HAAS SL20 Turning Centres.

Other Machining:

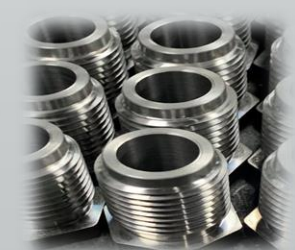
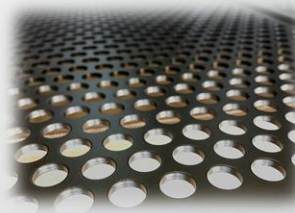
Drilling machines.

Automatic Bar Feeder Lathe & Bandsaws

Highspeed Aluminium section saw.

Grind Master, surface graining

Polishing Machines.



ARCHITECTURAL METALWORK

At Twenty Four Hour Engineering Ltd our Architectural division offers the whole package; from the initial design through to manufacturing and installation. We specialise in be-spoke entrances, doors and screens in steel, Aluminium, Stainless Steel, Brass & Bronze.

In addition, we can also offer Polyester Powder Coated systems for both Aluminium and steel systems which is carried out through our in-house paint plant.

We consult with our clients to develop new and adapt existing products that meet your requirements, from office accommodation to high street retail buildings and hotels. For us, it's all about attention to detail and delivering results.

Our in-house design team work with the latest versions of AutoCAD, Advanced Steel & Fusion 360 and can produce both approval and manufacturing drawings with the ability to supply our customers 3D modelling of their final product.

Whatever the project, whether you require cost-effective shop fronts or a unique architectural entrance, from design to installation we are here to help.

- Curtain Wall Systems
- Entrances, Doors & Screens
- Automatic & Sliding Doors
- Industrial & Commercial
- Fire Rated
- Doors & Screens
- Metal Pressings & Profiles

Should you have any requirements or wish to discuss your project, please contact David Hale, Architectural Projects Director at Davidh@24hreng.co.uk or call 01634 724041.



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.



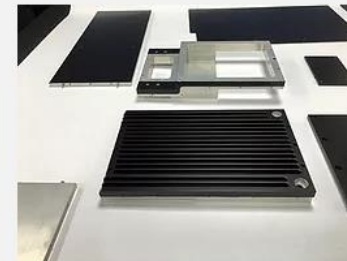
Glass Balustrade

Garden Glass balustrade, designed and manufactured 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:

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

Industries Supplied:

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