



The single source for high quality, precision stainless steel fabrications.

Welcome to CH Barnett

At CH Barnett, we understand that each industry has a set of specific needs, and to highlight our skills and suitability for each industry, we've highlighted why we think we are often the fabricator of choice for many of our customers.



Times are tough for manufacturers across the UK, with many businesses looking to keep their costs down and still provide quality products for their customers. With this in mind, we look at how our engineers can provide quality and cost-effective stainless steel fabrication. But that's not all, as we also look at why working with one fabricator for all your stainless steel services can save you substantial time and money in the long term!

Whichever industry you are in, at CH Barnett we have the expertise and knowledge to produce a range of high quality stainless steel products and I would be delighted to hear and discuss your requirements.

Stuart Pickering, Managing Director

Stainless steel equipment in all shapes and sizes

Stainless steel fabrications come in all shapes and sizes and can be used for many different purposes. So, to ensure that we offer our customers a complete service, we have invested in state-of-the-art machinery, which has allowed us to produce stainless steel equipment and machinery of various sizes including products up to 5 tonnes. By offering a wide range of product sizes and specifications, we can ensure that we continue to meet the ever-changing requirements of



a variety of industries across the UK and further afield. We have

worked with companies to produce a number of large and small fabrications in both large and small batches, so no matter what size of fabrication is required our specialists have the flexibility and expertise to produce a high quality stainless steel product every time. And what's more, we are proud to hold Lloyds Accreditation to ISO 9001:2015, so you can be confident that quality is assured.

Quality from start to finish

Because we are able to take stainless steel projects right from concept to completion, we understand that it is important to work to the highest standard at every stage of the fabrication process, in order to produce a quality product. Our ISO 9001:2015 Lloyds Accreditation demonstrates our commitment to quality and continued dedication to the production of high quality stainless steel products for companies in a variety of industries. Our team of more than 60 skilled specialists are totally committed to maintaining an ongoing high level of service, no matter what the project, and are all fully trained in the latest practices.



Cross contamination

- a growing issue where ferrous and non-ferrous metals meet

Stainless steel is non-ferrous, which means it has a high resistance to corrosion and contamination. Because of this, it is ideal for use in the medical, pharmaceutical and food preparation industries where purity and hygiene are paramount. Some fabricators work with both stainless steel and ferrous metals such as cast iron and high carbon steel. This can sometimes cause contamination between the ferrous and non-ferrous metals and as a result the non-ferrous metals can become compromised and be unfit for purpose.

At CH Barnett we only work with stainless steel so there is no risk of contamination, making us the ideal supplier of stainless steel fabrications for the medical, pharmaceutical and food and beverage industries.



Product development and prototyping – it's part of our service.

Product development and prototyping is a key stage of the fabrication process. Producing an accurate and high quality prototype can save businesses valuable time and money in the long run, as it can demonstrate the dimensions and appearance of the final product, before commencing full production.

We always work closely with our customers to produce an accurate prototype, no matter what the size, and have more than 60 years' experience and knowledge in stainless steel product development, so you can rest assured that our team has the right knowledge and capabilities to produce an exact model, the first time round.

In order to fabricate a precise and high quality prototype we work with customers' drawings and utilise SolidWorks, a solid modelling CAD (computer aided design) software package to create the models and assemblies. Once the prototype model is produced, it can then be tested to measure whether it fits the precise requirements. If any issues are found, small changes and improvements can be made to the design before production begins.

For some businesses, producing a new stainless steel product or component often requires a degree of confidentiality. Our product development team and prototype department is based at our factory in the West Midlands, which is a controlled and purpose-built environment where all our employees work to safeguard customer information and work to the highest standards.

Oil and Gas – a quality and safety-critical sector

The presence of gas within any working environment can present particular challenges for businesses across the globe. When producing stainless steel fabrications for the oil and gas industry it is of utmost importance that all materials used are to a high standard and fit for purpose.

Our continual investment in new technology has allowed us to help customers develop safety-critical products for the oil and gas industry, which meet their ever increasing quality and functional demands.

We guarantee all customers, not only those in the oil and gas sectors, that their products will be made to their specifications and requirements, but we understand that customers in the oil and gas sector have particular requirements and we have experience fulfilling these needs.



Pharmaceutical and medical equipment – we work with the best

Stainless steel fabrications for the pharmaceutical and medical industry need to be hygienic and robust to be used within the required environments. In order to produce products suited to the pharmaceutical and medical industry, we have made considerable financial investment in the right equipment, which can fabricate stainless steel with high corrosion resistance and a hygienic, sanitary finish.

Pharmaceutical and medical grade stainless steel needs to follow strict guidelines in order to be fit for purpose, and our team works hard to ensure that we not only meet the required guidelines, but exceed them by supplying exceptional quality products every time. All our fabrications are free of lines, grooves and pits and subsequently are easy to clean and sanitise. They are also all ISO 9001:2015 compliant and have full material traceability.

Our engineers have experience fabricating a range of pharmaceutical and medical grade stainless steel products including sterilising endoscopy washing machines, product contact components and speed tablet counting machines, so you can be sure that whatever your requirements are, we have the skills and expertise to complete the product to the highest standard.



Our many years of experience working with different companies across the pharmaceutical and medical sector means that we have now become the stainless steel fabricator of choice for many businesses.



Food, glorious food – we're part of the process

Like the pharmaceutical and medical industries, the food and beverage preparation industry also requires high grade sanitary stainless steel. Inferior stainless steel can lead to all sorts of problems when it comes to cleanliness and hygiene and will often need to be replaced quicker than food grade stainless steel. In order to be compliant with strict industry practices, CH Barnett has implemented the necessary controls and procedures to ensure that each of our fabrications is made to the exact requirements and has a sanitary finish.

During our 60 years' of operation, we have produced a range of custom stainless steel products for the food and beverage preparation industry, including weighing equipment, packaging equipment and x-ray machines. In order to fabricate products with the high level of accuracy and finish required, we ensure all our skilled engineers have the skills to produce plain or embossed stainless steel with a mirror, sateen or bead-blasted finish which is free from lines and grooves. By doing this we can guarantee that all our food grade fabrications are easy to clean and resistant to food and chemical corrosion – making them fit for purpose.



Spotlight on welding

We have a team of highly-skilled welders who are professionally trained and fully qualified in MIG, TIG and Spot welding. This certification ensures that all our welding complies with European standards.

The differences between MIG, TIG and Spot welding:

MIG Welding – this process uses a constant wire feed as an electrode to join the metal together with an inert or semi-inert gas mixture which protects the weld from contamination.

TIG Welding – this process uses a tungsten electrode to produce the weld in conjunction with a separate filler material. An inert or semi-inert gas is used to protect the weld from contamination.

Spot Welding – this method is used to join overlapping metal sheets and is achieved by using two electrodes to clamp the metal together while passing a current through.



A single source solution for stainless steel fabrications

As a trusted stainless steel fabricator we have the expertise to take a project from design to completion. Our reputation for consistent high-quality fabrications has made us the preferred company for stainless steel products of all sizes for a range of different industries such as oil and gas, environmental, food and pharmaceutical.

As a 'one-stop-shop' for all your fabrication needs we can offer various services such as laser-cutting, prototyping, welding, CNC Punching, CNC bending and machining.

So for a single source solution, why go anywhere else?

Environmental – water treatment and control



Did you know that we have been supplying stainless steel fabrications to customers within the water treatment and control industry for more than 10 years? That's right! At CH Barnett we have produced products which comply with the guidelines set out in the 'Operational Guidelines and Code of Practice for Stainless Steel Products in Drinking Water Supply' for more than a decade.

As a trusted stainless steel fabricator, we have the right skills and expertise to produce high quality products which are perfect for use within the water treatment and control industry.

Stainless steel has excellent corrosion resistance and this together with its strength, durability and ease of fabrication makes it ideal for screens, compactors and buckets. Our state-of-the-art production facility in the heart of the West Midlands and the use of SolidWorks CAD software means that we are able to produce both large scale and smaller fabrications to even the tightest deadlines, while still maintaining the highest standard of quality and finish.

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