

# About Alroys

## **Sheet Metal & Fabrication**

Serving the UK for over half a century

THINK PRECISION • THINK QUALITY • THINK EXCELLENCE

## **Company History**

From a small Hertfordshire workshop to our current 5,500 square foot factory, family values have always been at the heart of growing our business. Alroys started life in the late 1950s, working for local businesses using – by today's standards – rudimentary hand tools and fly presses.

Our reputation grew and by 1961, in need of larger premises, we moved to Stevenage where we remain to this day. The name Alroys was created from the Christian names of our two founders, Albert and Roy Grist who continued to run Alroys for many years. After Roy's retirement in the 1990s, the reins were passed to Roy's son, David, who became managing director in 2011.



## What We Stand For?

From those humble beginnings, we are incredibly proud that Alroys is now one of the longest-running precision sheet metal and fabrication shops in the UK.

And as we approach our sixtieth year of trading in Stevenage, we are humbled by the many accolades we have received from satisfied customers. We believe this feedback stems from the consistently high quality of our work and products, our expertise, our professionalism and our keen desire to do a great job, whatever challenges we face.

The three mantras which guide our business are:

## ROTATION

#### **Think Precision**

For many of our customers, precision skills are non-negotiable. The aerospace sector couldn't operate if it couldn't rely on suppliers like us to guarantee high-precision parts. Precision is important in many different ways. Mechanical precision, functional precision, aesthetic precision. Each one is essential to our customers in providing them with the materials they need to run their businesses.

Be reassured that we can – and do – handle almost any sheet metal precision project imaginable.

#### **Think Quality**

The Oxford English Dictionary defines 'quality' as 'a high standard'. This sums up perfectly our approach to everything we do: at every stage of the manufacturing process; our state-of-the-art manufacturing facility; the technicians we hire; the way we treat our customers and employees; our relationships with suppliers and other manufacturers.

We are ISO 9001-2015 approved – the international standard outlining requirements for a quality management system. This means we've been externally verified as consistently providing a high quality of product and service which meet our customers' needs. This also means that we meet all regulatory requirements. Gaining and retaining an ISO accreditation takes patience and dedication. That's why it's so important to us that quality is always at the heart of everything we do.

#### **Think Excellence**

Excellence, alongside quality and precision, makes for a killer combination. And it's this, we believe, that keeps our customers happy and accounts for our high retention rate. Most of our customers have been loyal to us for many years, coming back to us time and again with challenging projects.

We aim to always be proactive at problem solving, provide guaranteed support throughout a project's lifespan, build excellent relationships with customers and suppliers and consistently deliver the best products we can.

### How Do We Work?

Within our range of services, we've created a business model that allows us to tailor them to your needs. No two businesses are exactly the same and that's how we treat our customers.

In 1951, Roy and Albert's focus was firmly on delivering the most personal service they could. It was that approach which earned them an outstanding reputation and which allowed them to grow the business into the success Alroys has become today.

Our services include design, prototyping, fabrication and sheet metal work and we employ specialist technicians skilled in welding, forming, punching, assembly and installation. We've also carefully sourced additional services including laser profiling, waterjet cutting and a range of finishing processes from a network of highly trusted third parties.

We often receive feedback that we're surprisingly agile and able to turn our hands to anything. We know Roy and Albert would be proud.



## Why Choose Us?

We asked our customers this question.

They told us that there were many things about Alroys which prompted them to choose us.

Our experience and expertise, our attention to detail, our willingness to see projects through to the very end, among others. We're proud to be on many corporate approved supplier lists.

For over half a century, we've dedicated time and money to honing these skills so that any customer would consider Alroys a serious contender for their business.

Take a look at our customer testimonials and you'll discover that since Alroys opened its doors, we've been working successfully with major companies across a range of manufacturing sectors.

We're proud to be on many corporate approved supplier lists (no mean feat), demonstrating how positive our relationships are with some of the largest manufacturers in the UK.



### Our Third-Party Accreditations

Gaining accreditation from an independent body is a significant achievement. Applying for accreditation is not for the faint-hearted and involves many hours work and great financial outlay.

Currently, we hold ISO 9001-2015 & EN-1090-2.

It's important to us to hold these accreditations to demonstrate to our customers that we've been independently verified for our expertise, and that we meet external regulatory standards.



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## **Our Services**

## **Sheet Metal**

Where it all started in 1951! Our sheet metal work is what we're renowned for, both precision and large scale. If you've got a project in mind, get in touch and find out how we can help.



#### Prototyping

Mistakes can be costly to fix once we're in production. That's why we often recommend prototypes to customers who are trialling a new product. It's far more economical to put your design concept to the test before committing to mass production.

You may also find that you change your mind about a product once you've had a chance to review and test the prototype.



#### **CNC Bending**

CNC bending (or forming) uses the same technology as CNC punching. Instead of creating parts, the machines bend sheet metal (which is flat) into a desired shape.

As with punching, today's machines are beyond compare and can produce components with several, complicated bends in minutes.

#### Welding

Welding is ideal for metal structures which cannot be created from one sheet of metal. Our welders expertly fuse metal together to create strong, long-lasting parts.

We use modern techniques allowing us to create durable structures from a range of metals, including fine gauge. MIG welding is ideal for thicker gauge metals, whereas we use TIG welding for those finer gauge metals where strength and integrity cannot be compromised.

#### **CNC** Punching

CNC stands for 'computer numerically controlled'. The CNC punching process takes your design, translates it into numerical data and feeds this data into a punching machine which punches holes or shapes into a sheet of metal, creating metal parts.

Once done by hand, modern CNC punching machines are accurate to within microns and dramatically cut down production timescales, saving you money.



#### Assembly

Assembly ranges from single component assembly through to more complex, complete assemblies, as well as prototypes. Each part is thoroughly checked prior to making it to the assembly line.

To facilitate assembly, we will call on a range of techniques including welding, crimping, riveting and bushing.

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## Fabrication

Large metal structures, such as staircases, canopies and railings, are created using fabrication techniques. Over the decades, Alroys has created many stunning structures for a range of clients.

#### Fabrication and welding

Alongside welding, we will also use cutting, drilling and assembly skills to fabricate your steel structure. The raw material is cut and drilled with holes or slots to create individual parts. These parts are then welded where necessary and the entire structure is assembled, either in our factory or off-site, according to your specifications.





## Fabrication design, manufacture and installation

The initial stage of any fabrication project involves design. We've seen design briefs of all shapes and sizes, some start life on a few scraps of paper, others come to us as complete engineering drawings.

Once your concept is signed off, we proceed to the manufacturing phase and finally installation.

## **CNC** laser cutting

CNC – or computer numerical control – laser cutting is a versatile process, giving us the ability to create high quality cuts using the finest or the thickest metal. Laser beams power through the metal, vaporising it instantly, followed by jets of gas to leave a perfectly clean edge and finish.



#### EN1090

EN1090 is a European standard introduced to harmonise safety and quality levels across the construction industry across Europe. It makes it a legal requirement for anyone manufacturing and selling structural steel components to only use a supplier with EN1090 marking.





## **Metal Finishing**

Metal finishing (also known as coating) has a number of applications, all designed to improve the finished product in some way. Used at the last stage of the fabrication process, finishing can be used to alter performance (increase strength or resilience), improve durability or change cosmetic appearance.





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