



Small details.
Big difference.

Water Jet Cutting complex shapes
and expertly finished

Burvills
ORNAMENTAL METALWORK
EST. 1945

Burvills.

New Technology.

About the water jet cutter NC-4020.



Burvills are leading the way when it comes to technological innovation in the metalwork industry.

We've recently invested in a new water jet cutting machine from Water Jet Sweden, allowing us to precision cut almost any sheet or plate material to extremely small tolerances in house.

As a premier company to offer this service in the South East, we can now offer even quicker turnaround times and full control of the entire production process - from design to delivery. With ISO 9001 standards in mind.

Water jet cutting is one of the fastest growing precision profile production methods on the market. The streamlined water jet avoids direct surface pressure on the material and offers the most effective way to cut complex shapes. We can create many of our products, such as stairs and balustrades, using this technology, ensuring quality every time.

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Soft water cuts hard steel.

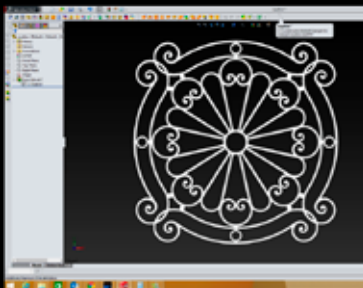
Water jet cutting technology has the ability to cut almost any material using a high pressure jet of water mixed with abrasive. A cold cutting process, there's no heat to distort of the base material, so it offers very high accuracy and precise cutting tolerances with accuracy within 0.2mm. This, combined with the ability to control the level of finish can make water jet cutting more cost effective than other methods of cutting. The process can be used to cut metal, stone, ceramic, glass, plastics and composite materials. Burvills can offer a full design service or we can work to your CAD designs.

Burvills water jet cutting... the complete package



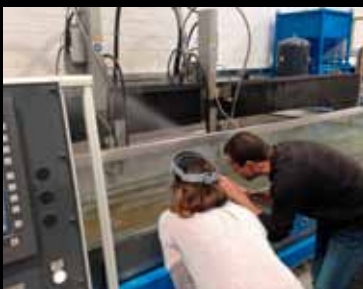
1. Design

We can create your design using Solidworks software, the next level up from traditional CAD. Solidworks allows us to fully visualise your product in 3D.



2. Computer Generated Images

Using CGI technology, we are able to drop your design into real images of your property. This is the perfect tool for architects and those who need to see how a completed home or building might look.



3. Cutting

The software then follows the programme pattern, cutting to different grades as needed. The machine monitors quality throughout and our experts inspect the final product to ensure each element is manufactured to the highest standard time and time again.

Total precision, every time

- In the past, products would have been fabricated by hand, meaning longer lead times and less precision
- Hand-crafting is still an option, but water jet cutting is much faster and allows flexibility to create complex patterns
- Water jets can cut almost any material up to 200mm thick, including marble, granite and all metals including titanium, at pressures of up to 100,000 PSI
- Super Stream technology ensures the most efficient speeds to cut a wide variety of material from Titanium to Granite and Glass to composites



Timeless elegance in a modern era.

Burvills are one of the oldest and most respected blacksmiths firms in the South East, with a long standing reputation for delivering the highest standards of ornamental metalwork.

Today, Burvills blends traditional blacksmith skills with modern methods of production and have recently invested in a state-of-the-art water jet cutting

machine. Having access to this technology allows us to design and produce unique balustrade designs.

Our bespoke work is sought after by architects, contractors and interior designers who all appreciate the combination of our traditional manufacturing techniques, modern production and elegant design, fulfilling the customer's brief.

“ Little touches make all the difference.
That's why people use us. ”

