

METTECH

PRECISION



**Complete Manufacturing Capability.
All Under One Roof.**

About Mettech Precision

Mettech Precision is a UK-based manufacturing company providing a wide range of engineering and metalwork processes under one roof.

From a single laser-cut component through to a complete fabricated, finished and assembled product, we have the capability to manage multiple stages of manufacture in-house.

Our capabilities include flatbed fibre laser cutting, automated tube laser cutting, CNC folding, CNC machining, MIG and TIG welding, robotic welding, powder coating, inserting and final assembly.

By keeping more of the manufacturing process with one supplier, customers can reduce supplier handovers, shorten lead times and keep better control over quality and delivery.

You provide the drawings, STEP files or requirements. We provide the manufacturing capability to make it happen.

Our Capabilities

- ✓ 6kw CNC Laser
- ✓ Tube Laser Cutting
- ✓ In-House Powder Coating
- ✓ Up to 4 metre 160 ton press brake (folding capabilities)
- ✓ MIG, TIG and Robot Welding
- ✓ CNC Punch Machines
- ✓ Insert Machine
- ✓ CNC Milling Machine
- ✓ CNC Lathe
- ✓ CNC Pipe Bending



Fibre Laser Cutting

Fast, accurate and repeatable laser cutting for everything from prototypes and one-off components through to repeat production.

Our fibre laser cutting capability allows us to manufacture complex sheet metal components directly from customer drawings and CAD files, giving customers a fast and flexible route into production.

MATERIAL CAPABILITY

- Mild Steel - up to 25 mm
- Stainless Steel - up to 20 mm
- Aluminium - up to 15 mm

Laser cutting is only the start of what we can offer. Parts can move directly into our folding, machining, welding, finishing, powder coating and assembly departments without leaving Mettech.

Cut. Form. Fabricate. Finish. Assemble.



Automated Tube Laser Cutting

Our automated fibre tube laser allows us to process tube, box section and profiles quickly and accurately, from prototypes and small batches through to repeat production.

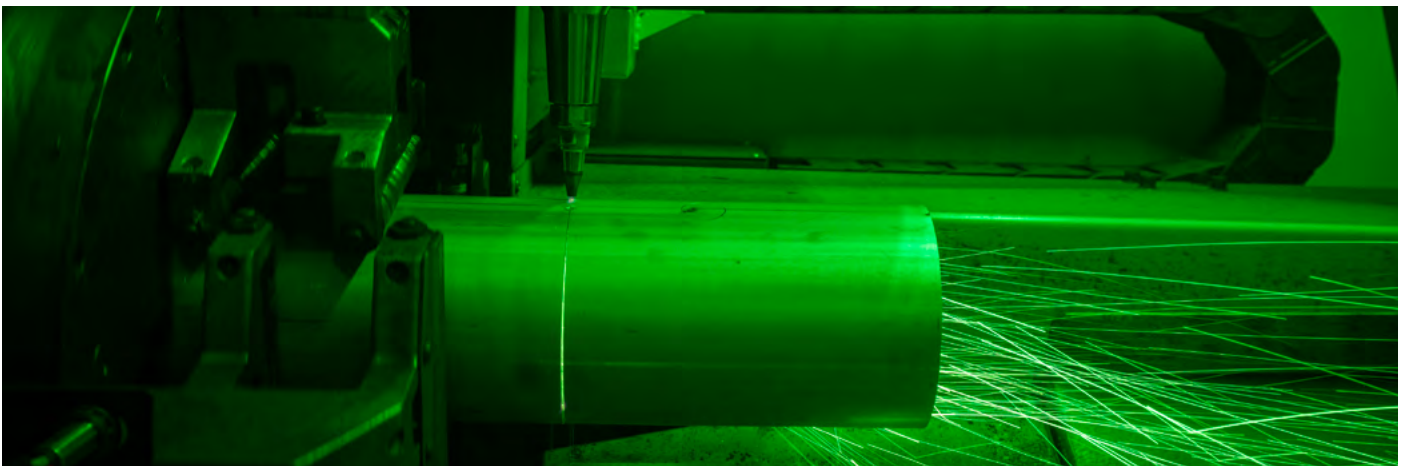
Complex profiles, holes, slots, notches and cut-outs can be produced directly from CAD, reducing the need for conventional sawing, drilling and other secondary operations.

By designing features directly into the tube laser process, we can also help simplify welding, fabrication and final assembly.

CAPABILITY

- Mild steel, stainless steel and aluminium
- Tube, box section and profiles
- Profiles up to 120 mm
- Automated material loading
- Complex profiles and cut-outs
- Prototype to repeat production

Fewer operations. Less handling. Faster manufacture.



CNC Folding & Forming

Our in-house CNC folding capability allows us to manufacture everything from simple folded components through to larger and more complex sheet metal fabrications.

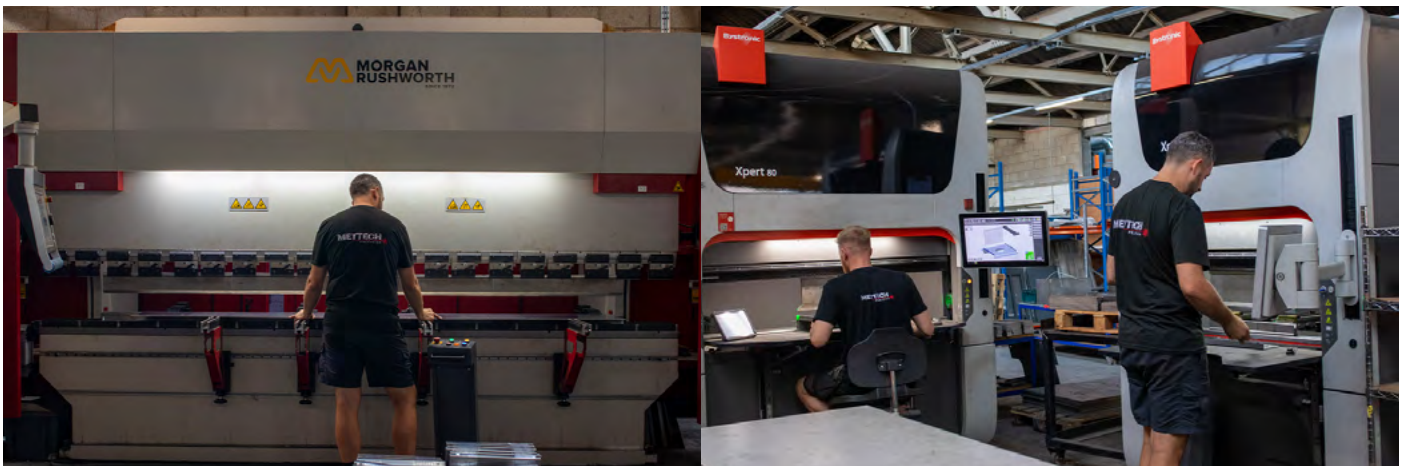
With multiple press brakes available, we have the flexibility to handle different component sizes, materials and production volumes.

Keeping laser cutting and folding together gives us greater control over accuracy, quality and turnaround.

CAPABILITY

- Multiple CNC press brakes
- Components up to 4.5 m
- Mild steel, stainless steel and aluminium
- One-off and prototype work
- Batch and repeat production

More of your manufacturing process managed in one place.



CNC Machining

Our in-house CNC machining capability complements our sheet metal and fabrication departments, allowing us to manufacture machined components alongside fabricated parts and assemblies.

This is particularly useful for projects requiring a combination of sheet metal, fabricated structures and precision machined components.

Rather than managing separate machining and fabrication suppliers, customers can place more of the complete requirement with Mettech.

CAPABILITY

- CNC turning
- Machined components
- Prototype and production work
- Components for fabricated assemblies

Sheet metal, fabrication and machining from one manufacturing partner.



Fabrication

From individual welded components to complete fabricated assemblies, our fabrication department brings together the different manufacturing capabilities available across Mettech.

Components can be laser cut, tube laser cut, folded and machined before moving directly into fabrication, keeping more of the complete manufacturing process under our control.

We manufacture bespoke products directly from customer drawings, models and specifications across mild steel, stainless steel and aluminium.

From frames, brackets and guards through to equipment enclosures and complete assemblies, we have the flexibility to support both one-off projects and repeat production.

Manufactured to your drawings. Built around your requirements.



Powder Coating & Finishing

Manufacture does not have to stop at fabrication.

Our in-house powder coating and finishing capability means we can supply customers with finished components and assemblies ready for installation or onward assembly.

Keeping finishing within Mettech reduces additional transport, supplier handovers and lead time while giving us greater control over the finished product.

FROM RAW MATERIAL TO FINISHED PRODUCT

- Laser cutting
- Tube laser cutting
- Folding
- Machining
- Fabrication
- Powder coating
- Assembly

One supplier responsible for more of the complete job.



Complete Assemblies

One of Mettech's biggest strengths is our ability to bring multiple manufacturing processes together to produce complete products and assemblies.

We can work from customer drawings, STEP files, models or project requirements and take responsibility for multiple stages of manufacture.

This can include everything from individual brackets, frames and guards through to equipment enclosures, fabricated cabinets, support structures and complete manufactured assemblies.

Instead of placing laser cutting with one supplier, folding with another, fabrication somewhere else and then arranging finishing and assembly, Mettech can bring the whole requirement together.

Fewer suppliers. Fewer handovers. One point of responsibility.



Why Mettech?

- One manufacturing partner across multiple processes
- Extensive in-house manufacturing capability
- Prototype, small batch and repeat production
- Mild steel, stainless steel and aluminium
- Components through to complete assemblies
- In-house powder coating and finishing
- Responsive UK manufacturing support

HAVE A PROJECT WE CAN HELP WITH?

Send us your drawings, STEP files, specifications or bill of materials. Our team can review the requirement and discuss how Mettech can manufacture individual components or take responsibility for a much larger part of the complete project.

Your drawings. Our capability. One manufacturing partner.



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