

Defence

mtl group

Making steel work harder



Defence

Bystronic Waterjet.

Waterjet is the fastest-growing processing method in the industry. MTL has purchased a £500,000 Bystronic waterjet – one of the leading machines on the market. The cold cutting process allows finer, more intricate cutting than alternative methods. Unique to waterjet is the total absence of any heat affected zone (HAZ), particularly useful when cutting armour.



We are a global supplier and process in excess of 25,000 tonnes of steel a year and are one of the largest subcontract suppliers of components manufactured from armour plate in Europe.

We handle multi-million pound contracts for major customers, including BAE Systems, Rheinmetall and Pearson Engineering, working in close partnership to produce critical parts for the defence industry.

We also work within the homeland security industry supplying kits of parts manufactured from armour steel to leading businesses across the globe, as the demand for high-end security rises.

Customers recognise our ability to source armoured material and quality of resources we have available. They also appreciate the scale of investment at MTL, as well as our service, with fast response and fast delivery, crucial in the turnaround.

Fast Delivery. We offer a 24 hour turnaround on many of the components and handle a number of UORs (urgent Operational Requirements).

Stock. We have a wide range of armour steel in stock at any one time, with an extensive range of high technology machinery to maximise the use of armour plate. We also handle a range of Hardox and Weldox material.

Experience. We have more than 60 specialist welders. We also have experience of working with the hardest armour plate materials on the market.

Technology. We can deliver large-format cutting, bending and welding in a variety of techniques suited to the material.



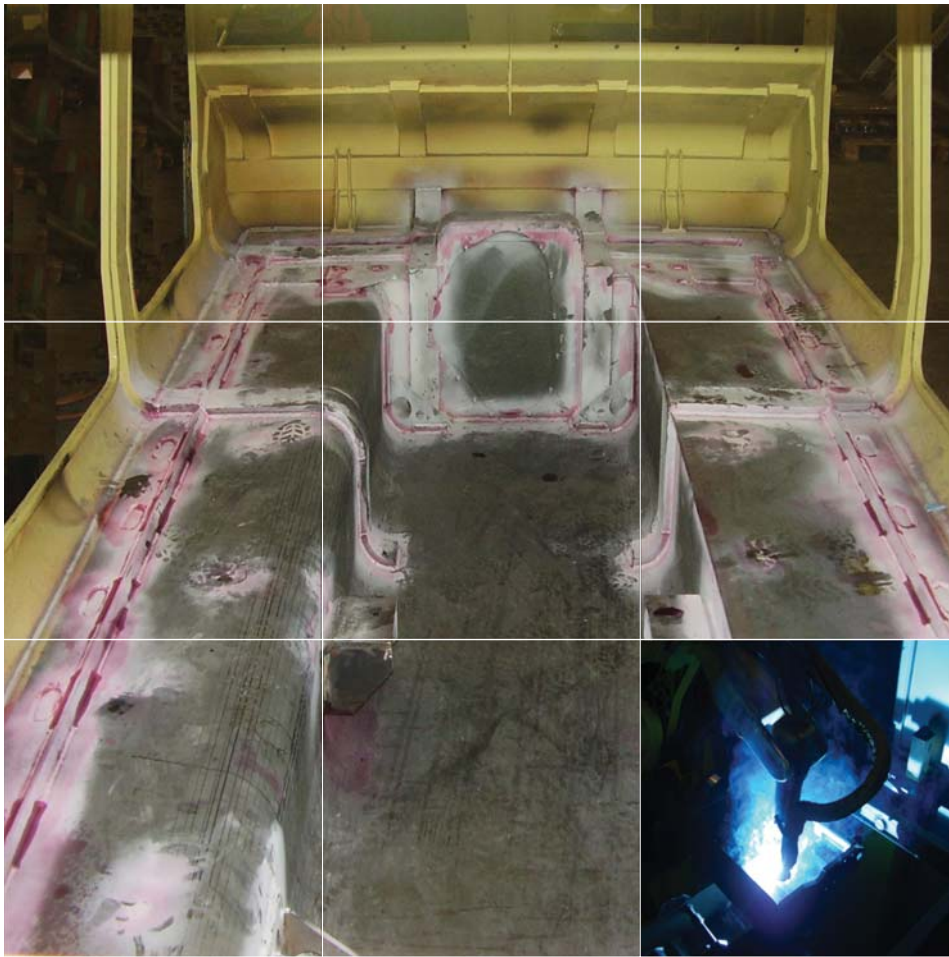
Machining Armour.

We have a range of CNC machining centres giving us the ability to handle entire projects in house. The machines are capable of machining up to 600HB.

20m Bevel Laser.

We have invested in a Messer bevel laser which is the largest of its kind in the UK. This new machine has the ability to cut both chamfers and weld preps of up to +/- 50 degrees, improving efficiency and productivity - cutting costs and lead times for our customers. This machine can cut parts up to 20m x 3.2m x 25mm thick.

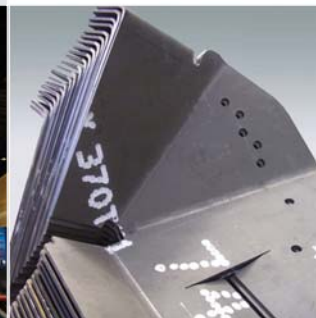




Fabricated Armour.
 With more than 60 welders, we have vast experience of working with a range of materials up to 600HB. Our facilities enable us to fabricate vehicle cabins and hulls. We also have a range of Robotic weldings cells for high volume production.



Surface Finish & Assembly.
 We can provide mechanical, pneumatic and hydraulic services. Surface treatment including shot blasting and painting is available. Testing and Inspection of products can be carried out.



Robot Press Brake.
 We have an impressive range of CNC Press Brake equipment. Our Robotic Press is up to 4 times faster than a manual press and is capable of handling 600kg's. The angle checking device allows us to bend to tight tolerances with improved accuracy and efficiency.

Appliqué Armour.

MTL Group supplies appliqué armour. Projects typically use a variety of our facilities, including waterjet and laser cutting, machining, fabrication, painting and kitting.



Blast Floors.

MTL has won substantial contracts to supply blast floors. Using our large capabilities and capacity to supply products on an urgent basis.

We support our customers with a Design for Manufacture service.

Perforated Armour.

We can supply bespoke armour panels produced to customer requirements. Parts can be supplied fully machined, painted and complete with fixing kits in armour plate up to 600HB.

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