



LASER GATE *

WHERE ART TAKES SHAPE

www.lasergate.co.uk



LASER GATE

MANUFACTURE OF PROTOTYPES AND LOW - PRODUCTION

FOR SECTOR: AUTOMOTIVE, SPECIAL VEHICLES, MOTORCYCLING, NAUTICAL, AEROSPACE AND DESIGN

Established in 2001, Lasergate is based on the solid experience of the two founders who teamed up to combine their extensive practical and technical skills as well as their expertise in innovative metal fabrication and laser cutting technology.

Since its foundation, Lasergate has invested vastly in state of the art machinery, equipment and the training of skilled workforces. Today Lasergate is one of the leading engineering and fabrication companies in the UK, with more than 40 dedicated employees conducting various projects from simple designs to complex precision engineering in automotive, aerospace, agricultural and the motorbike industry, across Europe. Presently our clients emanate from leading German and Italian car manufacturers.

Lasergate is a privately-owned, versatile and specialised company offering both bespoke and batch fabrication through fast and efficient service, while ensuring high quality standards. Lasergate has retained the ISO 9001 QMS certification since 2013"

TECHNICAL DATA AND CAPABILITIES

- 2 production facilities
- Total covered area: 3,500 m2
- Total yard area: 3,000 m2

PRODUCTION DEPARTMENTS

- Technical department
- Mould construction
- Presswork
- 3D and 2D Laser cutting
- Bending
- Welding
- Sandblasting
- Assembly work
- Sheet metal manual forming
- Metrology lab

THIRD-PARTY SECONDARY SERVICES

- Mould milling
- Painting
- Heat treatments

EQUIPMENT

- N. 4 CO2 laser Systems
- N. 2 Fibre Laser System
- N. 2 Hydraulic presses, 600 Ton. Max.
- N. 2 mechanical presses, 250 Ton. Max.
- N. 1 press brake with 7 controlled axes
- N. 1 Welding Robot
- N. 3 spot welders
- N. 5 welders (Tig-Mig)
- N. 1 sandblaster
- N. 1 heat treatment oven to get from T4
- N. 1 Measuring arm with 4 m2 working
- N. 1 vehicles used to collect and deliver good

Workforce: 40 employees





TECHNICAL DEPARTMENT

Our technical department has the internal ability to manage every design phase from any CAD software supplied in order to produce finished technical drawings, as requested by our customers. The use of our up-to-date CAD software allows us to view any CAD format.

LASER CUTTING

Lasergate's facilities consist of the industry's leading technologies currently available on the market today to effectively meet the requirement of our customers, both for manufacturing and laser cutting technologies.

Our laser workstations offer a maximum work area of 4000x2000x750 and we have the following laser sources: fast-flow CO₂ or radiofrequency lasers and fibre lasers, with power levels up to 4000 W.

MOULD CONSTRUCTION

Together with our partners we are able to build simple and complex moulds, small and medium sized, for prototyping and / or low volume production.

SHEET METAL FORMING

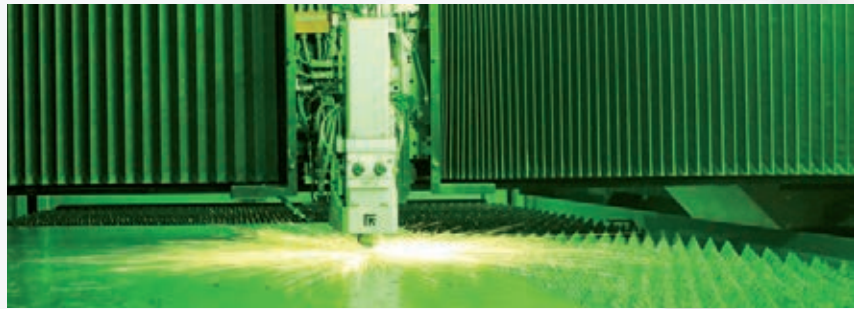
The ability to work on prototype projects and small production runs involving laser cutting, has allowed Lasergate to approach the world of presswork. This expertise has been developed through working with several key clients and is the prime example of the approach we take on collaborative working. Lasergate is able to take on projects that involve fabricating moulds and dies for medium-sized parts and the subsequent production. This expertise is achieved through working with and seeking the advice of people with broad experience in this sector.

WELDING

Lasergate has the following technologies and systems:

- GTAW
- MIG welding
- Condenser welding
- Projection and tack welding

We work with iron, stainless steel and aluminium.



BENDING

Lasergate has been able to increase flexibility, ensuring repeatable cycles and top of the line quality by adding the state of the art seven controlled axes bending machines.

HEAT AND SURFACE TREATMENTS

Carried out by leading companies for the different areas of expertise, these activities allow us to give that added value, much appreciated by our customers.

HEAT TREATMENTS:

tempering, carbonizing and hardening.

SURFACE TREATMENTS:

burnishing, anodizing, sanding, cataphoresis and galvanising.

ASSEMBLY WORK

Our ultimate goal is fulfilling the requests of our clients by supplying finished and assembled items ready to be introduced in production lines.

The day-to-day production volumes require to fulfil the tasks in a traditional way by people with an eye for details who are trained to perform this delicate work with particular care and precision.

SHEET METAL MANUAL FORMING

In 2014 we set up a fully self-sufficient area specialised in this type of work which has attracted considerable interest from our customers because of the quality of the products made. This is extremely valuable for a company like us that make prototypes.

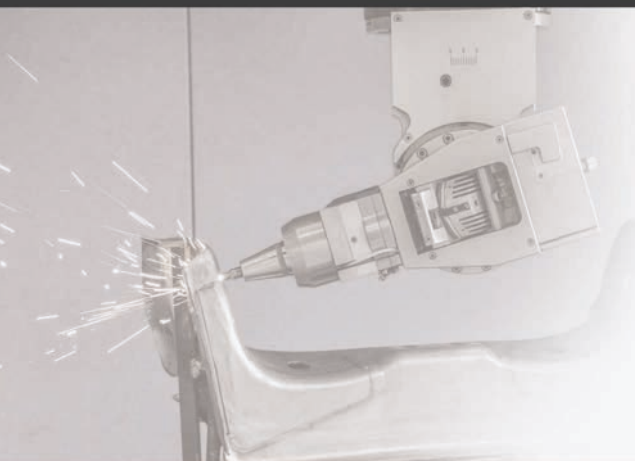
QUALITY CONTROL DEPARTMENT

Our in-house quality control department consists of qualified personnel for ensuring the high quality products required by our clients.





LASER GATE *



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