

AUTOMECH ENGINEERING

SHEET METAL LASER CUTTING, CNC BENDING,
NC SHEARING AND FABRICATION



COMPANY PROFILE

About **AUTOMECH ENGINEERING**

Founded in 2016, AUTOMECH ENGINEERING. We offer a precision and productive laser cutting resource that delivers high quality products. We are committed to providing world-class customer service and solutions in the field of fully integrated bespoke metal work and precision sheet metal fabrication.

Our highly skilled workforce have over 10–15 years' experience in Sheet Metal Laser Cutting and CNC Bending Facilities.

Working with industries as diverse as automotive, automation, textile, power plant, earth movement, telecommunications, railways, agricultural and general engineering has given us unrivaled experience in producing products to the very highest standard. When we promise a delivery, we deliver on time, sourcing our products and materials carefully, enabling competitive pricing while sharing the benefit with our customers.

Design & Prototyping

Our clients provide us with 2D/3D drawings of products. In either case, a design & prototype is involved. We processed AutoCAD/SOLID WORKS Drawings through the USA-based nesting software named SIGMA NEST for laser cutting. The design of complex bending parts poses a challenge to every designer.

Design software

- (1) Autocad
- (2) Solid Works

Sheet Metal Laser Cutting

Laser cutting is the most accurate process for fiddle as soon as cuts concerning coarsely any material. A laser battery is the use of a high-powered laser to clip materials to precise specifications set in the controlling software of the laser machines. The digital settings are converted by the software and administered by the laser for tidy and exact cuts. Laser converting applications are used to outfit through cuts, kiss-cuts, laser perforation, scores, laser etches, laser ablations, laser welding, and drilling.

Sheet Metal Laser Cutting is a much more efficient process than mechanical tooling and acid because it costs less and is much more accurate. The laser performs the clip by melting, flaming, or vaporizing away the material and giving away a stomach-pining, tidy edge. Materials that can be processed by laser bitter totaling occurring paper and paper board, adhesive tapes, plastics, films, textiles, abrasives, metals, and photovoltaic.

We have started the art of Fiber Laser Machine with IPG sources in Germany. Our skillful team of programmers and operators at each manufacturing location are geared taking place for realization of obscure component laser bitter. With input as a drawing or a finished sample part provided by the customer.



12 KW (8 Mtr x2.5 Mtr)



6 KW (4 Mtr x2 Mtr)

Laser Cutting Machines Specification

Machine -1

12 KW Source- IPG

Bed size 8mtr x 2.5 mtr
 Mild steel 0.5 to 50mm
 S S 0.5 mm TO 30 mm
 Aluminium 1mm to 12 mm

Machine-2

6 KW source - IPG Germany

Bed size 4 mtr x 2 mm
 Mild steel 0.5 to 20 mm
 S S 0.5 mm TO 12 mm
 Aluminium 1mm to 6 mm

CNC BENDING

Computer Numerical Control (CNC) bending machines are sheet metal benders that guarantee a high level of productivity and repeatability. These machines fabricate high-environmental sheet metal bends that can be used for various classified ad applications employed in the automotive, automation, chemical, and furniture industries, as well as for shipbuilding, railways, and new same industries. It is highly automated and efficient in terms of precise bending. It allows high dimensional accuracy and design flexibility.

Our expert team of **CNC bending** operators and program always take care of quality and material. We have high productivity results with table speed of 1.3 times and back gauge speed 3 times. However, we use up-to-date software with easy programming, direct angle mode, new Bend deduction calculation, and note functions.

(1) Our manufacturing plants have a bending Machine-1 with a capacity of 200 Tons 5 Axis and a bending length of 3 meters. We can offer bending up to 15 mm thickness for sheet steel.

(2) Our manufacturing plants have bending Machine-2 with a capacity of 260 Tons 5 Axis and a bending length of 3 meters. We can offer bending up to 20 mm thickness for sheet steel.

The knowledge and experience of bending operators helps guarantee part accuracy and efficiency. Knowing this well, we provide the training necessary to give that expertise to the operators in the first place and, from time to time, we organize training sessions within the workshop to update the operators about new techniques and tools to improve productivity.



NC SHEARING

Numerical control (NC) shearing machines are sheet metal cutters that guarantee a high level of productivity. The Machine fabricated for automobile sector. Our expert team of NC shearing operators and program always take care of quality and material.

Key features include a hydraulic system for power and smooth operation, a digital control panel for easy parameter input, an adjustable back guage for accurate length control, and safety features.

(1) Our manufacturing plants have shearing machine-1 with capacity 8mm sheet cutting and shearing length of 3 meter.

(2) Our manufacturing plants have shearing machine-2 with capacity 12mm sheet cutting and shearing length of 3 meter .

The knowledge and experience of shearing operators that helps guarantee part accuracy and efficiency, knowing this well we provide the training necessary to give that expertise to the operators in the first place and time to time we organize training sessions within workshop to update the operators about new techniques and tools to improve productivity.



FABRICATION WORK

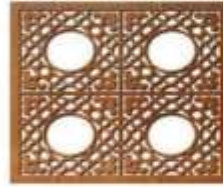
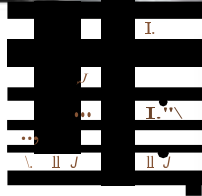
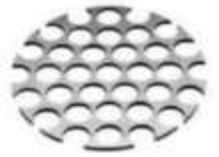
Welding machines are used for different sheet metal fabrications. (like panel boxes, DG set canopies, French doors, & all types of automobile components.)

Our fabrication team are certified; they provide good quality of fabrication work. In Our manufacturing plant has 8 Welding machines (400 Amp, 300 Amp, etc.) and all fabrication setups, like cutting machines, grinders, drill machines, Power Presses etc.

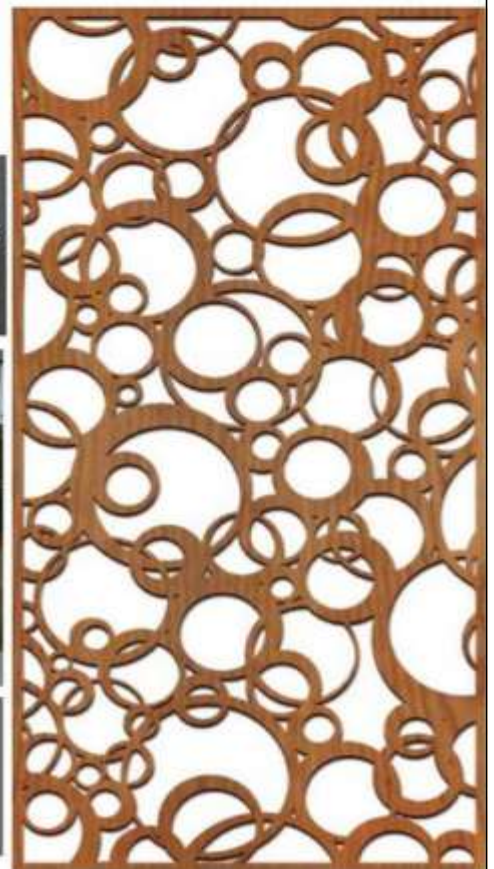
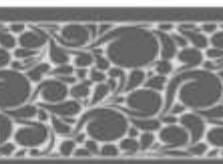
The knowledge and experience of co2 welder that helps guarantee part accuracy and efficiency, knowing this well we provide the training necessary to give that expertise to the operators in the first place and time to time we organize training sessions within workshop to update the operators about new techniques and tools to improve productivity



LASER CUTTING PARTS



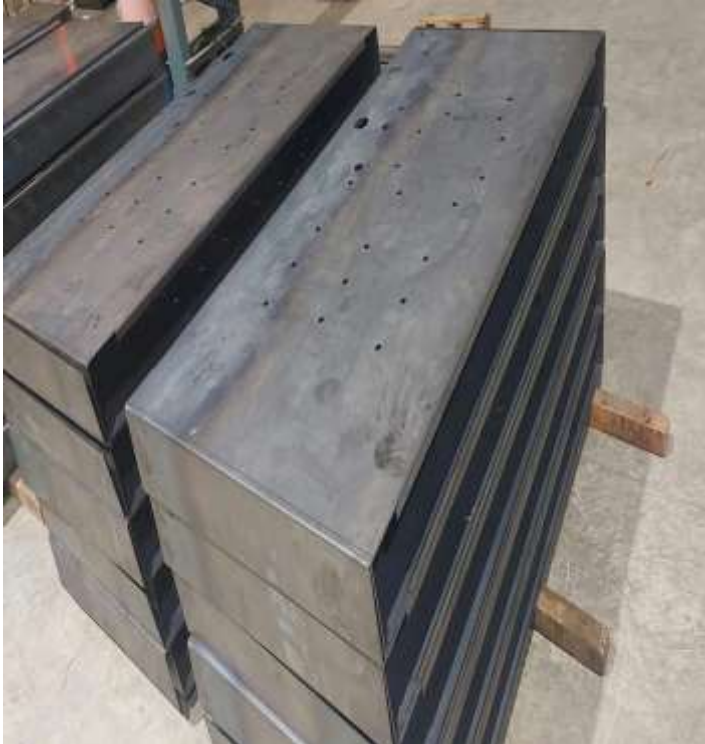
Laser Cutting Parts



LASER CUTTING PARTS



CNC BENDING PARTS



ELECTRICAL PANEL FABRICATION



D.G SET CANOPY FABRICATION



FUEL TANK FABRICATION



EXHAUST PIPE FABRICATION



AUTOMECH ENGINEERING

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