METALWORKING

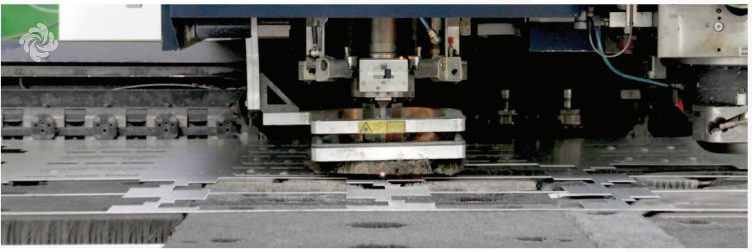
2D laser cutting

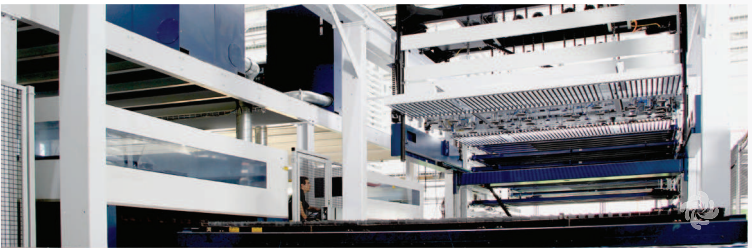
- Cutting of steel, stainless steel, aluminum, iron and others.
- Finished Cut surfaces, not oxidized.
- Maximum optimization of raw materials.
- Any design can be executed.

MATERIALS	THICKNESS	DIMENSION
Steel	up to 25mm	up to 4000 x 2000mm
Inox	up to 25mm	
Aluminium	up to12mm	
Titanium	up to 8mm	
Brass	up to 5mm	

Combined Laser Machine

- Cuts sheets of steel, stainless steel, aluminum, iron and others.
- Finished Cut surfaces, not oxidized.
- Finished erfect for sensitive materials such as anodized aluminum.
- Maximum optimization of raw materials.
- Any design can be executed.
- Executes bending, embedding, threading and engraving by punching.





3D Tube cutting

The 3D laser tube cutting system is designed to work various scales and forms of tubes including square, round, rectangular, oval and other profiles. Roqlaser executes cutting in steel, stainless steel and aluminum. The software tool in use is the IGS.

BENDING METAL SHEETS

Bending

Our bending sector integrates ADIRA and TRUMPF bending machines. The TRUMPF machines are equipped with bending sensors, ensuring excellent work precision done in plates up to 12mm. Roqlaser uses extreme accuracy in both angle and quota tolerances.

Panel Bender

Roqlaser have in its ranks a Codatto Eve 3122 Panel Bender, which combines the precision and speed of automatic bending and the versatility of shapes in radius.

ADDITIONAL SERVICES

Project and Planning

The project departament is crucial in the field of metalworking. The software most used in Roqlaser is SolidWorks. Its main features are precision, accuracy and speed.

Machining

This service elaborates works of threading, milling, turning, planing, reaming, grinding and drilling holes.
The CNC milling machines combine the technology with human work, manipulating materials such as steel, aluminum, stainless steel or iron with high precision.

Welding

Roqlaser invested on certifying the welding services for steel plates of medium and low thickness. In order to ensure excellence of service, it was included in our certification the special welding process.

Laser engraving

Laser engraving is a process of great precision. It can be executed in different types of materials: acrylic, stainless steel, aluminum, anodized aluminum, iron, etc. This service also allows cutting acrylic and wood with the same accuracy of the engraving process.

Rolling machine

The rolling machine is used to create tubes from metal sheets. This service allows tubes with a minimum diameter range of 120mm (no maximum diameter limit) and a maximum width of 2m.

Fixing studs by welding and pneumatic force

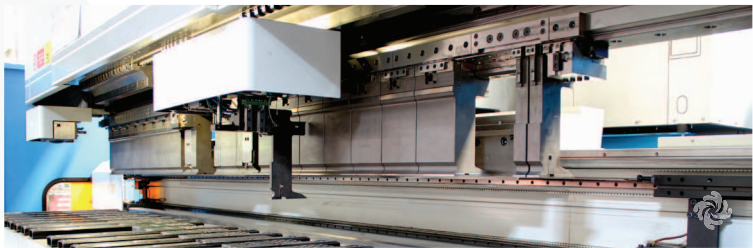
Roqlaser embeds studs by pneumatic force or electricity in various materials such as steel, aluminum, iron and stainless steel.

Finishes

- Shot blasting machine for iron
- Shot blasting machine for stainless steel
- Sander
- Polishing

Complementary Services

- Zink
- Galvanization
- Painting



COMPANY

Roqlaser was created in 2000. Its nature evolved from the experience of **working closely** with our clients to make their projects a **reality**.
After taking the manufacturing of metal parts to the **maximum level of excellence** Roqlaser started providing additional services beyond the traditional scope of the metalworking services.
By monitoring and implementing projects, from the design stage to the end phase of assembly Roqlaser adopted a more versatile nature. With 8.100 square meters of industrial area, and more than **20 heavy machines** Roqlaser is able to perform any operation in **the project area, metallurgy, metal processing, bending, finishing and assembly**.

Roqlaser counts with over 80 highly skilled professionals who are capable of solving any project they are challenged for. The company is certified according to NP EN ISO 9001: 2008, under "parts supply and cutting services, bending and welding of metal sheets and profiles", which enforces **extremely high standards of excellent and quality for our customers**.

The automated warehouse has a capacity to hold 5.000 tons of raw materials. It carries a minimum stock of 200 tons allowing it to respond to any urgent request that may arise. Roqlaser works with a huge variety of raw materials thus being able to run any project.
Over the past 14 years invested over €12 million in technology and equipment. This investment increased the production capacity allowing an average of 8,000,000 pieces produced annually serving over 400 clients.

As a result, today **Roqlaser can state that customer loyalty comes from its responsiveness, versatility, after-sales service and above all the quality it supplies**.

PME excelência'13 · PME líder'13 · SGS

Scope of Certification: Supply of parts and Services of Cutting, Welding and Bending of Metal Sheets and Metal Profiles.

roqlaser

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