
Laser safety cabin



Company

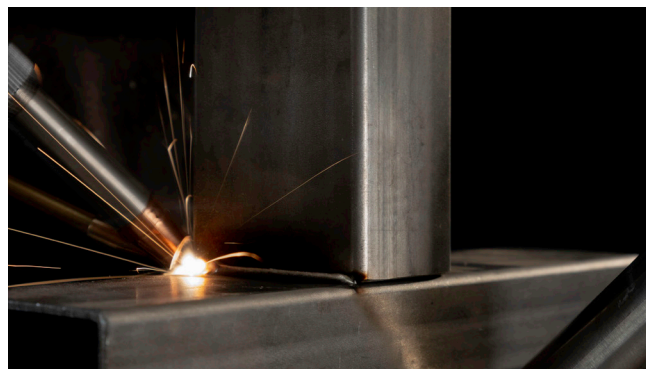
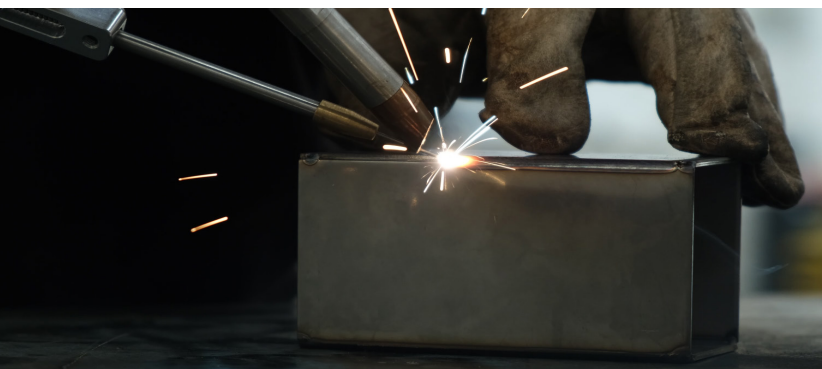
LC is a leader in laser technology, we develop all kinds of solutions for industries and businesses.

We have a qualified team with big experience in laser and eco-efficient technologies.

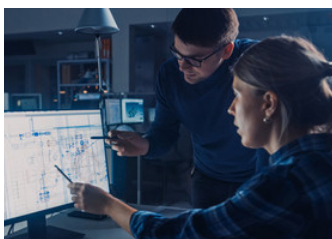
We are a company committed to industrial productivity, energy efficiency and taking care of the environment.

Our biggest goal is to make laser technology accessible worldwide, we want to share our knowledge and make the job as easy as possible.





Manufacturing Laser Technology



Analysis

Day by day we work to give our clients the best service. We want that every laser equipment is the most suitable for every case. LC is committed to offer the best option in the laser technology world, we will advise you so you can make the perfect decision. We offer 100% personalized solutions to each client.



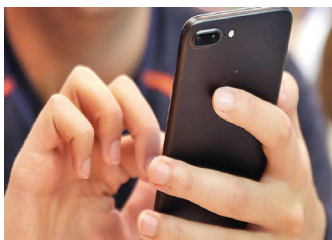
Production

LC produces laser equipment in our facilities, to provide a faster, more efficient and higher quality service. Thanks to our production system we can ensure every detail is perfect and our machines are ready to work.



Quality

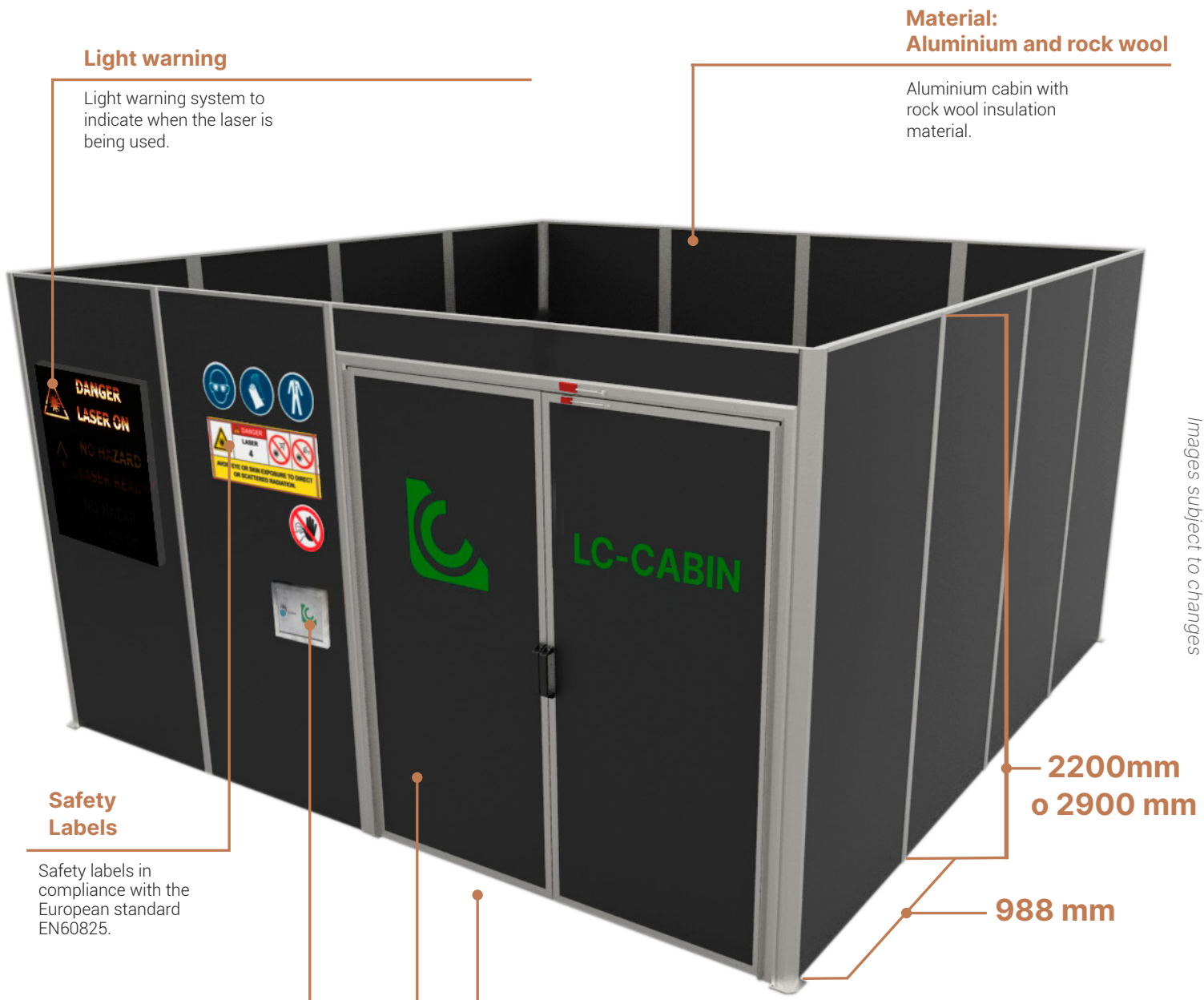
Our components are top from brands so that your laser equipment works 100% from the first moment. We work with a rigorous system to improve controls and ensure the best performance of the equipment.



After-sales service

We offer a comprehensive 2.0 after-sales service, with phone attention, mail and videocall assistance. We have qualified technicians who provide training online and face-to-face, in addition to offering a technical service thoroughfull and fast. We aim to offer the fastest and effective solution as possible aim.

Example of a Laser safety cabin



Images subject to changes

Light warning

Light warning system to indicate when the laser is being used.

Material: Aluminium and rock wool

Aluminium cabin with rock wool insulation material.

Safety Labels

Safety labels in compliance with the European standard EN60825.

Warning button

Button that emits an acoustic and light signal.

Doors

Sliding doors with safety sensor for possible accidental opening.

2200mm
o 2900 mm

988 mm

Cabin for working with laser equipment:

Modular installation adaptable to the client's workplace. It has the necessary safety systems to comply with the regulations.

LC Lasers offers a complete solution together with welding and laser cleaning equipment, so that every customer can easily adapt the cabin to their workspace and follow the necessary safety measures.

LC-CABIN is a certified laser safety cabin.

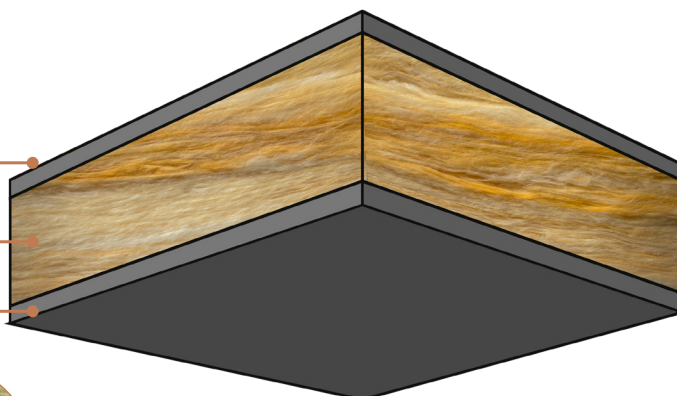
Material

Consisting of a U-shaped perimeter profile, 30 mm thick aluminium sandwich panel with rock wool core.

Aluminium 1mm

Rock wool 30mm

Aluminium 1mm



ROCK WOOL

Rock wool is a mineral insulating material made of two raw materials: basaltic rocks (of volcanic origin) and mineral coke (coal).

Rock wool is a fireproof material that meets the necessary certifications for a cabin of this type.

General characteristics

Total safety

To ensure the safety of all operators, it is mandatory to have an enclosed work area with all appropriate safety measures in place.

Adaptability

LC Lasers offers a modular and adaptable solution where the client can choose in parts how he wants to build his work area following the regulations and getting the space that best fits his company.

Complete solution

LC Lasers, with LC-CABIN we provide our customers with a complete solution completing the sale of the laser machine and the corresponding PPE.

Easy installation

LC-CABIN allows us, in a quick and easy way, to have a safe working space that follows all the regulations.



Options

In order to adapt the solution to each case and to the options and needs of each client, we offer the possibility of choosing the elements required.

Walls

Choose as many modules as necessary

- 988 mm wide and 2.2 m high module
- 988 mm wide and 2.9 m high module

Electric

Electric safety elements pack

- LC-Control
- Manual reset
- Light signal
- Safety relay
- Door sensor
- Acoustic signal
- Laser emission cut-off

Sliding doors

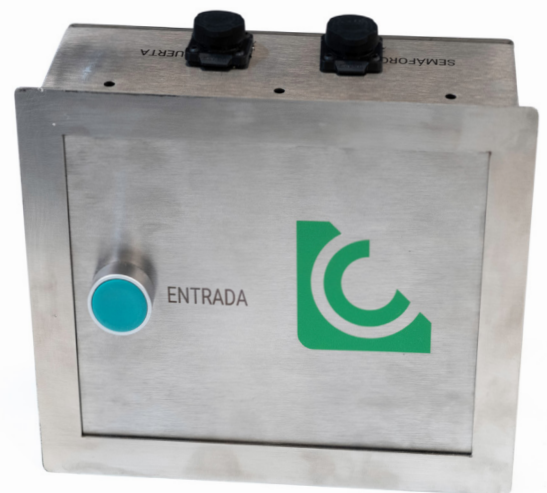
Depending on the chosen module height

- 2.2 m high door
- 2.9 m high door

Viewing window

Certified laser-protected glasses for in any quantity and size you choose

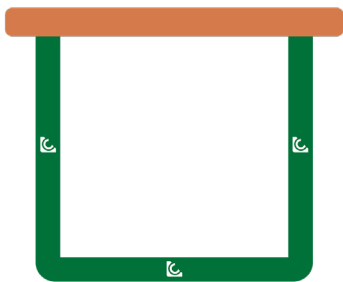
- A4 Glass + Frame
- A3 Glass + Frame
- A2 Glass + Frame
- A1 Glass + Frame



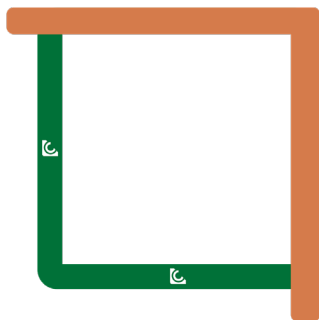
Examples

Depending on the work area where the cabin is located, as it is an adaptable and perfectly customisable solution through the modules, we can find different ways of implementing LC-CABIN:

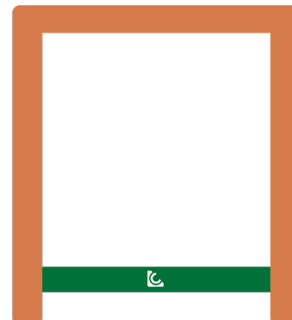
U-shaped enclosure



L-shaped enclosure



Enclosure in existing box



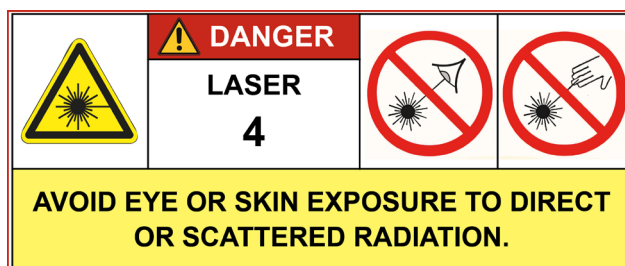
 Wall  LC-CABIN

Safety

Cabin is designed and built according to European EN60825 standards by an external certification company.

The enclosure must be equipped with various safety devices:

- Mandatory interior and exterior signalling
- Indicator light
- Automatic push button
- Reset system in case of door opening
- Safety relays
- 2nc door sensors



Certification

Model compliant with the harmonised European laser product safety standard:

UNE EN 60825-1:2015.

LC-CABIN is a certified product.



Tomàs Viladomiu, 61
08650 · Sallent
Barcelona (Spain)

T. +34 936 281 426

info@lclasers.com



www.lasercomercial.com

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