
LC Lasers
WELD. CLEAN. MARK

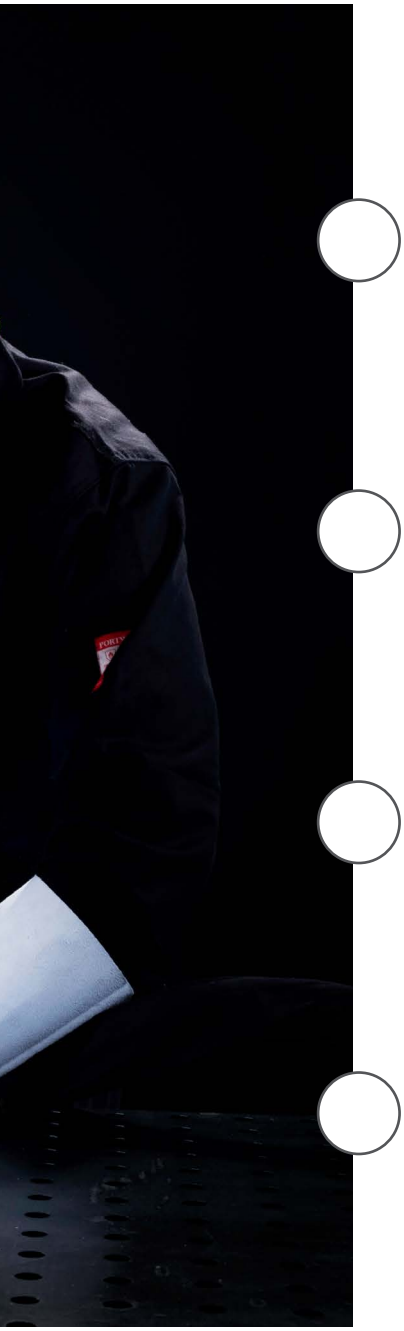
Global presence

In house manufacturing and design

At LC we work to offer the best laser solutions in the world of welding, industrial cleaning and product marking and engraving.

LC Lasers

WELD. CLEAN. MARK.



Analysis, versatility and customization

Every day we work to give our clients maximum satisfaction. We aim to ensure that your laser equipment is the most suitable for you. We want it to be the best option in the laser world and that is why we want to advise you so that you make the perfect decision. We offer 100% personalized solutions to each client.

Production and design in Spain

At LC we produce laser equipment in our facilities, to provide a fast, efficient and high-quality service. Thanks to our production system we can ensure every detail and finish of our machines.

Quality and reliability

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

After-sales service

We offer a comprehensive 2.0 after-sales service, with telephone and email support and, if required, in-person assistance. We have qualified technicians who provide online and in-person training, as well as offering a rigorous and fast technical service. We seek to offer the fastest and most effective solution possible.

LC Project

At LC Lasers, we understand that each industry has its own needs and challenges. That's why we offer tailor-made products specifically designed to adapt to any industrial application. Our commitment to innovation and excellence allows us to create customized solutions that optimize productivity and improve efficiency in your processes.

R+D

Our Research and Development (R+D) team is made up of experts who continuously work on developing advanced technologies and innovative solutions. We closely collaborate with our clients to understand their requirements and provide the necessary technical support, ensuring that each project meets their expectations.

Advantages of Choosing LC Lasers

Customized Solutions
Projects tailored to the specific needs of your industry.

Continuous Innovation
A dedicated R+D team focused on developing advanced technologies..

Enhanced Efficiency
Automation that optimizes processes and reduces costs.

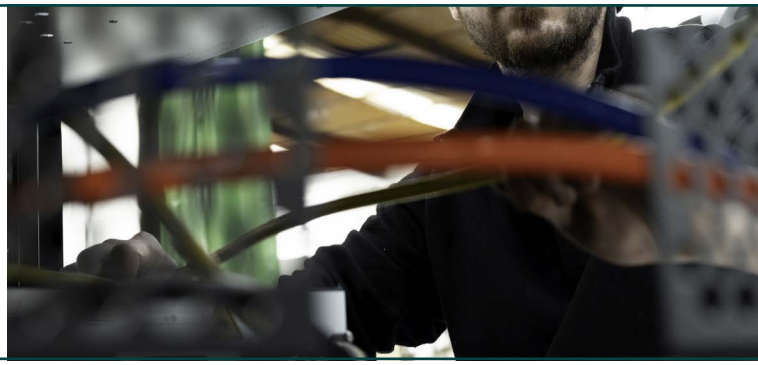
Technical Support
Consulting and technical assistance throughout all phases of the project.

Why LC Lasers?

- We have the lightest gun on the market
- We have over 10 patents guaranteeing technology and innovation
- The easiest and fastest wire retraction system on the market
- The only European manufacturer
- The only company with real CE certification
- The machine and cabin certified together for total protection
- The highest laser power on the market

For greater peace of mind, all our laser welding systems come with a **2-year laser warranty,** demonstrating the confidence we have in our products and their ability to meet the highest industrial requirements. LC Lasers offers a comprehensive solution that combines cutting-edge technology with customer-focused service, ensuring that your company is always in good hands.

2-year laser warranty



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Welding Technology

Laser Technology

At LC Lasers, we employ high-precision, versatile, and efficient laser technology, ideal for various industrial and technological sectors. Its non-contact nature enhances productivity, reduces maintenance, and prevents hazardous or chemical residues. This allows for process optimization, improving quality and efficiency compared to traditional methods.

1
Speed and Precision

2
Minimal Deformation

3
Simple to use, no extensive experience required

Laser Welding

Laser welding is an advanced and modern method to join materials with precision and durability. It uses a laser beam to melt and recrystallize the surface, allowing welding with or without additional material through an automatic wire-feeding system.

It stands out for its speed, process optimization, and cost reduction. Its advantages include low smoke generation, precise welds without marks or discoloration, and minimal material deformation. Additionally, it requires no rework and minimizes the use of consumables.

Our machines are easy to use, with interchangeable nozzles and an intuitive control system, ensuring optimal results even for inexperienced operators.

THE BEST WELDING QUALITY IN THE MARKET

UK & Eire Distributor Parweld LTD WWW.PARWELD.COM + 44 (0) 1299 266800

LC Lasers

WELD. CLEAN. MARK.

DOUBLE FEEDER

Allows two wires to be fed simultaneously

- Programmable double feed
- Different materials compatibility
- Customisable configurations
- Improved thermal Control

In contrast to the single feed system, which provides only one wire, this new technology offers **enhanced flexibility in handling the filter material**.

The wires can be the **same type or different alloys**, and their feed can be configured either **synchronously** or **independently**, depending on the process requirements.

Double wire feed improves the process control, allows welding with complex geometries and increases the filler metal volume.

LC-WELD Equipment

LC-WELD **SMART**

Efficiency in laser welding like never before.

LC-WELD SMART features a compact size that makes it a more manageable, ergonomic, and easy-to-use device. It stands out for its efficient air cooling system **Active Air Cooling.**

It comes with simple and intuitive software to efficiently perform laser welding and achieve the best results.

	LC WELD SMART
Laser Power	1500W
Electrical Consumption	<4200W
Input Voltage	230V
Fuse Rating	32 A
Wavelength	1070nm +/- 10%
Frequency Range	1-20 kHz
Laser Class	4 (IEC 60825-1)
Laser Efficiency	36%
Torch Length	10m
Dimensions	875x447x865 mm
Laser Type	CW HPP
Fiber Size	25 µm
Cooling	Air
Safety	Plug and Play with LC Cabin
Operating Enviroment	5-40 Dec ºC

Air cooling

1500W Power

857×447×865mm

7” touch screen

Feeder

Single or Dual feeder options.

LC Electronics

Specially developed by LC with proprietary firmware.

Laser with 40% Efficiency

High-efficiency laser.

LC-GUN V4.4

Latest generation laser welding gun with twin protection lenses.

Compact Design

Air Cooling

Ideal for mixed fabrication work

Reduced maintanance

LC-WELD **PRO**

Connectivity, productivity, and precision at 1500W.

LC-WELD PRO features 4.0 technology and stands out for its **connectivity and cost control, user management, and statistics functions.**

With a power of 1500W, it achieves full penetration up to 5mm at high speeds. It also includes a bottle holder for gas cylinders.

	LC WELD PRO
Laser Power	1500W
Electrical Consumption	<5500W
Input Voltage	230V
Fuse Rating	32 A
Wavelength	1070nm +/- 10%
Frequency Range	1-50 kHz
Laser Class	4 (IEC 60825-1)
Laser Efficiency	42%
Torch Length	10m
Dimensions	450x720x1100 mm
Laser Type	CW HPP
Fiber Size	50 µm
Cooling	Water
Safety	Plug and Play with LC Cabin
Operating Enviroment	5-40 Dec °C

Water cooling

1500W Power

450×720×1100mm

10” touch screen

Feeder

Single or Dual feeder options.

Easy Connect

Easily connected to the cabin, internal connection system, and system updates.

LC-GUN V4.4

Latest generation laser welding gun with twin protection lenses.

Laser Quality

Laser with 42% efficiency and high beam quality.

Technology 4.0

Water Cooling

Bottle Stand

Perfect for volume production

LC-WELD **NEO**

Top welding quality in a compact device.

LC-WELD NEO is the next-generation laser welding machine. With an **ultra-compact** design.

Air-cooled, it is a very convenient and lightweight unit. It features simple and intuitive software displayed on the screen integrated into the feeder. Take full advantage of laser welding with LC-WELD NEO.

Air cooling

440×690×430mm

Available in 800W and 1200W

7” touch screen

	LC WELD NEO 3.0	LC WELD NEO 4.0
Laser Power	800w	1200w
Electrical Consumption	<4000W	<4800W
Input Voltage	230V	230V
Wavelength	1070nm +/- 10%	1070nm +/- 10%
Frequency Range	1-10kHz	1-10kHz
Laser Class	4 (IEC 60825-1)	4 (IEC 60825-1)
Laser Efficiency	36%	36%
Torch Length	6m	6m
Dimensions	440x690x430mm	440x690x430mm
Laser Type	CW HPP	CW HPP
Fiber Size	20 µm	20 µm
Cooling	Air	Air
Safety	Plug and play with LC Cabin	Plug and play with LC Cabin
Operating Environment	0 to +30 Deg C	0 to +30 Deg C

Feeder

Single or Dual feeder options.

Laser Quality

Laser with 42% efficiency and high beam quality.

LC-GUN V4.4

Latest generation laser welding gun with twin protection lenses.

Ultra-compact design

Air cooling

Feeder screen

Ideal for sheet metal

Single Feeders

Includes special rollers for aluminum

V.1

Spool Holder with cover

Improved feeding

Motor with Encoder, manufactured in Italy

V.2

7” screen on the feeder

Optimized feeding efficiency

Swiss Encoder Motor

Spool holder with cover

Double Feeder

V.2 DA

Enables rapid wire switching from the control panel

Greater flexibility for complex projects

Programmable dual wire feeding

Ideal for projects involving multiple materials

Suitable for welding process with high filler requirements

Perfect for sectors with high technical demands

V.3 DA

"7" display integrated into the feeder

Enhanced flexibility for demanding projects

Customisable configurations

Compact design

Gun - LC-WELD GUN SM V 4.4

New S.M. Technology

The directional mirror system replaces the galvanometric system. Improves reliability.

Optimized Tube

Easy insertion and locking. Millimeter-marked tube to find the focal distance with software link.

Improved Duty Cycle for Aluminum welding (Between 2 and 3 times superior)

Constant Focal Distance

The focal distance does not change with nozzle replacement.

More Ergonomic

Lighter weight and a more manageable system

Driver built into the Gun

Eliminates interference issues.

Protective cover and screw-fastened lens and protector compartments

Easy maintenance and enhanced protection of the optical circuit. Twin protection lens increases gun life.

Built-in lens change tool

Gun - LC-WELD GUN SM V 4.4

Dual Wire Nozzle

Compatible with wires of the same material or different alloys

Configurable feeding: synchronised or independent

Improved accessibility in hard to reach areas

Improved Speed and adaptability

Software

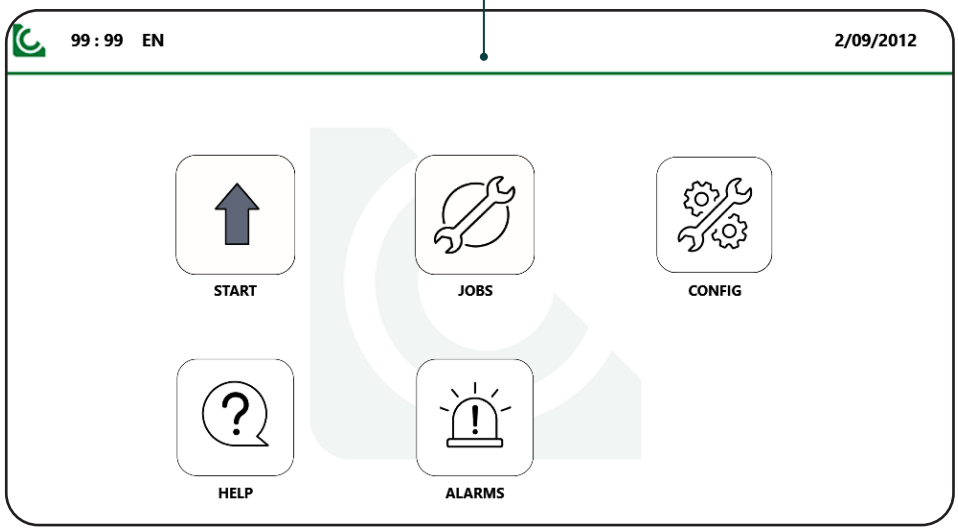
LC-WELD NEO
LC-WELD SMART

Work Modes: SYNCHRONIZED AND MANUAL

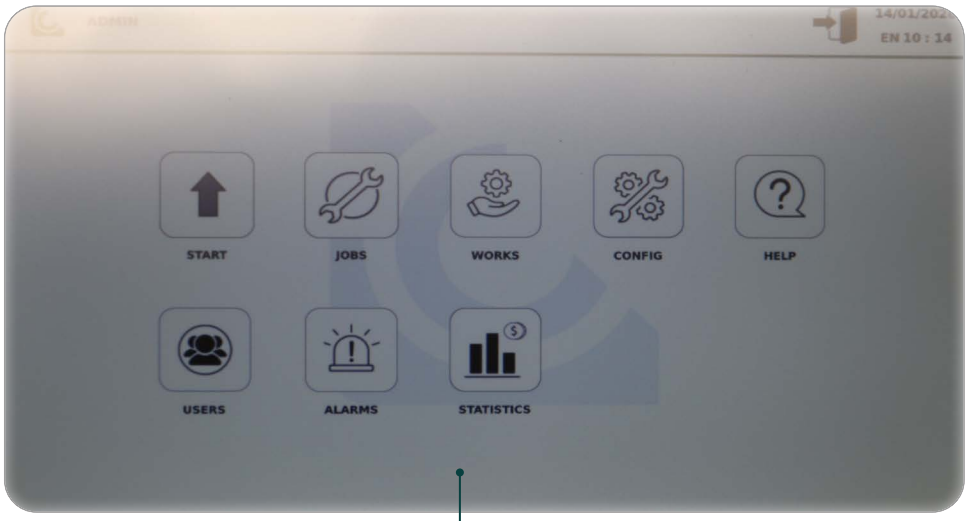
Two work mode options:

SYNCHRONIZED: Works based on preconfigured parameters.

MANUAL: The user can work with total freedom and customization, and configure 'work profiles' to preconfigure SYNCHRONIZED parameters.



LC-WELD PRO



Work Modes: SYNCHRONIZED, MANUAL, AND TASKS

Three work mode options:

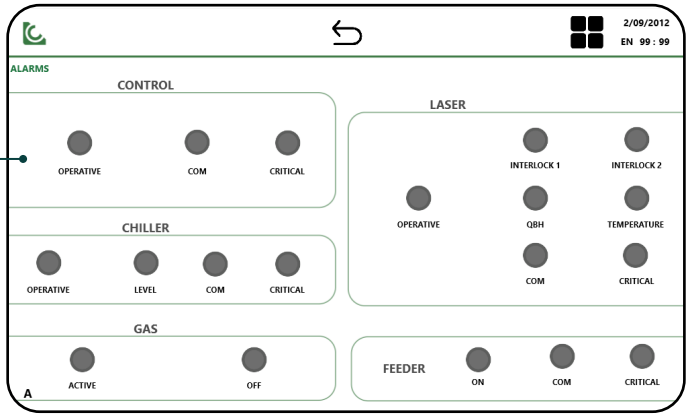
SYNCHRONIZED: Works based on preconfigured parameters.

MANUAL: The user can work with total freedom and customization, and configure 'work profiles' to preconfigure BASIC parameters.

TASKS: Works based on pending tasks and pre-established work schedules.

Alarm Screen

An alarm screen that alerts us to possible errors that may occur in the equipment and their locations.



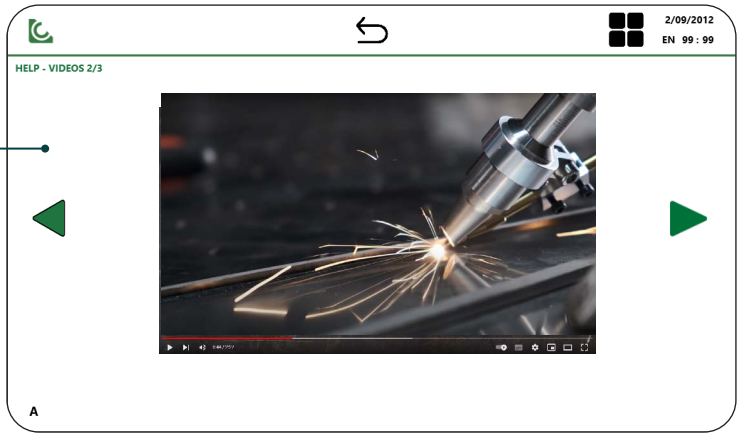
Support: Documentation, Technical Assistance, and FAQs

Direct access on the same device to:
- Documentation (manual, CE, warranty)
- Technical support
- Frequently asked questions

ADDITIONALLY, THE SOFTWARE OF LC-WELD PRO OFFERS:

Videos and Documentation on the Device

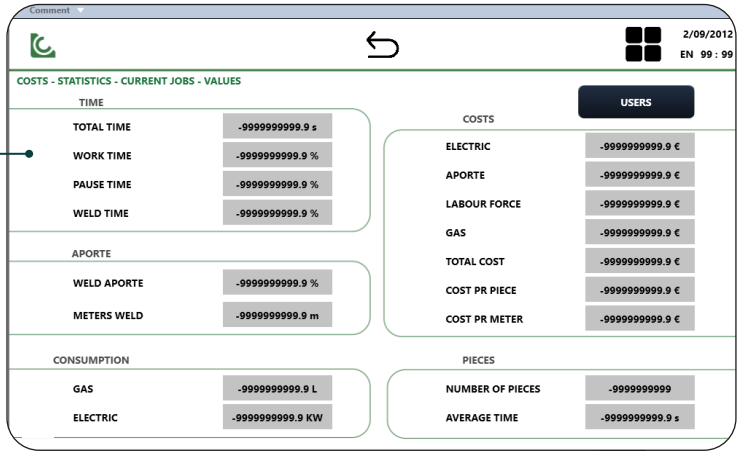
Direct access on the same device to:
- Videos for troubleshooting
- Documentation (manual, CE, warranty)



Cost Control and Statistics Visualization

Cost control divided by tasks or general equipment usage.

Calculates the cleaning cost and the cost per meter of welding.



Materials

Material Table	WELD
Stainless Steel	✓
Galvanized Steel	✓
Aluminum	✓
Titanium	✓
Carbon Steel	✓
Special Alloys	✓

1
Minimal deformation

2
Elimination of rework

3
More penetration

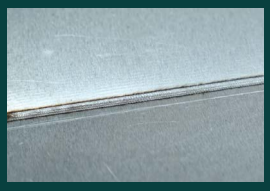
Penetration Comparison by Equipment

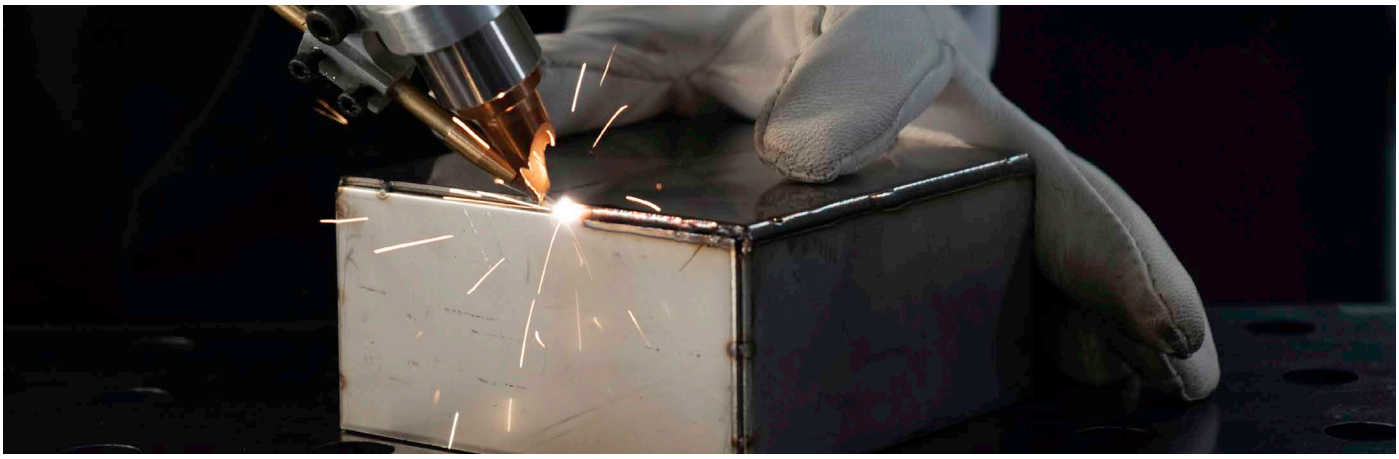
	Neo 3.0	Neo 4.0	Smart	Pro
Maximum	3mm	4mm	5mm	6mm
100% Duty Cycle	2mm	3mm	4mm	5mm

Applications

Applications in Industry

Laser welding allows reducing the heat-affected zone when working, enabling different joining and welding techniques. Laser welding machinery has great versatility, especially due to its wide penetration range and laser power. Different applications of laser welding equipment can be highlighted: electronics, automotive parts, plating, metal furniture, some appliance components, pipes and tubing, metal tools, containers for various industries, food industry (machinery, packaging, or cutting blades), pharmaceutical industry, titanium and aluminum parts...



Why Choose Our Machines?

1 Gun V 4.4

- The smallest and lightest on the market.
- The only one on the market with Steering Mirror in two axis.

2 Software

- Reliable PLC.
- Intuitive Software.
- Screen up to 10".

3 Feeder

- Combined encoder and motor system.
- Best wire retraction on the market.

4 Safety

- Guaranteed European certification.
- "Plug and Play" cabin for easy installation.
- The only ones offering a certified machine and cabin set.

Product designed and manufactured in Spain
by LC Lasers

Best quality on the market

Technical Assistance Service
(throughout the territory)

Fast spare parts

Comprehensive Service

We offer
TRAINING courses

Training and support from Parweld LTD

LC Laser Cleaning

1
Speed and Precision

2
Minimal Deformation

3
Environmentally Friendly

Laser technology has proven to be extremely versatile, being applied in various fields such as cutting, engraving, marking, and, of course, surface cleaning. Laser cleaning is gaining popularity in many industrial sectors due to its efficiency and precision. This process can be used to remove oxide, paint, coatings, dirt, and other contaminants from both metallic and non-metallic surfaces, making it an excellent alternative to traditional methods such as chemical cleaning, sandblasting, or mechanical brushing.

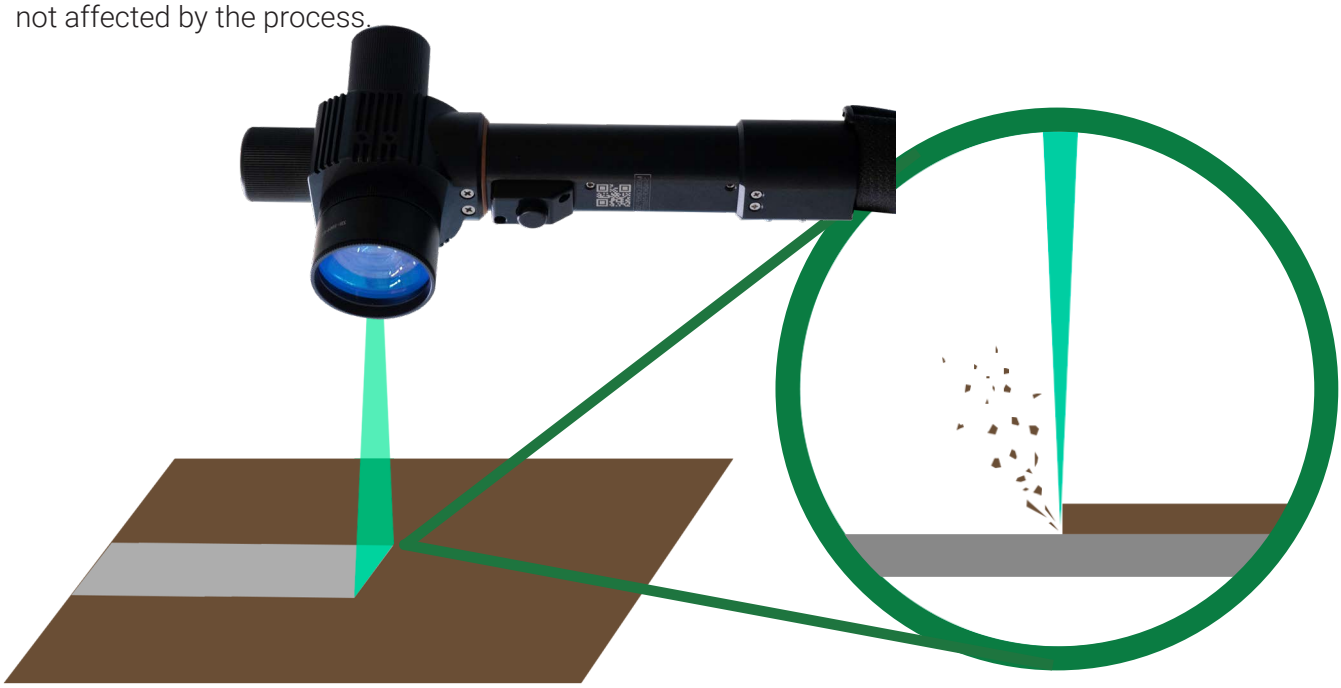
Laser cleaning machines use high-power fiber lasers, designed to provide precise and safe control of the process. With an interactive and easy-to-use system, these machines allow adjustments to the power, speed, and intensity of the laser based on the specific cleaning requirements of the material, ensuring an optimal finish without damaging the original surface. Additionally, laser cleaning is environmentally friendly, as it does not produce hazardous waste and does not require the use of chemical products, making it an innovative and sustainable solution for the industry.

THE INDUSTRIAL CLEANING REVOLUTION

Laser Cleaning Technology

Laser cleaning removes contaminants by vaporizing them into dust and fumes through the process of laser ablation. When the laser beam hits the surface, part of its energy is absorbed by the metallic surface, while the rest is reflected.

Contaminants are expelled when they have absorbed enough energy to reach their ablation threshold. Since the ablation threshold of metallic surfaces is higher than that of contaminants, the substrate is not affected by the process.



Laser Ablation

Laser ablation is a process in which a laser instantly removes material by transforming it from a solid to a gas. It is used for cleaning, marking, texturing, and cutting. In the industry, CO_2 and fiber lasers are the most commonly used for this type of work.

Each material has a limit beyond which it begins to decompose under the effect of the laser. If the intensity is sufficient, the material is vaporised.

Process Comparison

Laser cleaning can be a good alternative to other industrial cleaning methods.

	Laser Cleaning	Chemical Cleaning	Mechanical Cleaning	Dry Ice Cleaning	Ultrasonic Cleaning
Contact Type	No contact	Chemical contact	Mechanical abrasion	No contact	With contact
Damage to the Piece	None	Causes damage	Causes damage	None	None
Efficiency	High	Low	Low	Medium	Medium
Consumables	Electricity	Chemical agents	Abrasives	Dry ice	Special cleaning agents
Overall Effectiveness	Excellent	Medium	Medium	Excellent	Excellent
Precision	Very high	Low	Low	Low	Medium
Environmental Impact	No contamination	Contaminant	Contaminant	No contamination	No contamination
Operability	Easy	Complex	Complex	Easy	Easy

LC-CLEAN Systems

LC-CLEAN **P 300W**

A truly **compact, portable and versatile system.**

Power output 300W

LC-CLEAN P 300W is the pulsed laser cleaning system. It features short, high-energy pulses, delivering up to **100 kW peak power (PP)**.

With pulse energy of up to **15 mJ,** it removes contaminants and surface deterioration with exceptional accuracy and efficiency. Ideal for applications requiring precision and delicate materials.

Technical Data Sheet: LC-CLEAN P 300W

Model	LC-CLEAN 300W
Product Reference	LC-LL300W
Power Consumption	<1500 W
Voltage	230VAC
Approx. Dimensions	250x400x700 mm
Approx. Weight	<40kg
Hose Length	4m
Laser Power	Pm 300W | Pp <100kW
Laser Type	Pulsed fiber laser
Wavelength	1064nm
Frequency Range	1-3000kHz
Cooling System	Air Cooling
Laser Class	4 (IEC 60825-1)

Pulsed Fiber Laser

High-energy, short-duration pulses, reaching up to 100 kW peak power (Pp).

High Precision, Lower Speed

High precision, ideal for selective cleaning. Lower speed, more efficiency in details.

More Superficial Cleaning

Allows for more controlled and superficial cleaning with minimal impact on the material.

Lower Energy Consumption

Low energy consumption, leading to more efficient system usage.

Less Overheating

Low energy consumption results in more efficient heat management in the power source.

Applications

Automotive industry, aerospace, art restoration, electronics...

LC-CLEAN **P 500W**

More stubborn dirt removal with higher performance.

LC-CLEAN P 500W is the most powerful version of our pulsed laser cleaner, delivering peak power of up to **240 kW (PP).**

This increased power enables operation at nearly **double speed** while maintaining controlled, precise cleaning without damaging the base material. The result: higher productivity with the same consistent quality. Ideal for: component cleaning, surface restoration.

Power output 500W

Technical Data Sheet: LC-CLEAN P 500W

Model	LC-CLEAN 500W
Product Reference	LC-LL500W
Power Consumption	<2500 W
Voltage	230VAC
Approx. Dimensions	250x400x700 mm
Approx. Weight	<40kg
Hose Length	5m
Laser Power	Pm 500W | Pp <240kW
Laser Type	Pulsed fiber laser
Wavelength	1064nm
Frequency Range	1-3000kHz
Cooling System	Air Cooling
Laser Class	4 (IEC 60825-1)

Pulsed Fiber Laser

High-energy, short-duration pulses, reaching up to 240 kW peak power (Pp).

High Precision, Lower Speed

High precision, ideal for selective cleaning. Lower speed, more efficiency in details.

More Superficial Cleaning

Allows for more controlled and superficial cleaning with minimal impact on the material.

Lower Energy Consumption

Low energy consumption, leading to more efficient system usage.

Less Overheating

Low energy consumption results in more efficient heat management in the power source.

Applications

Automotive industry, aerospace, art restoration, electronics...

LC-CLEAN **CW 1500W**

Deeper, faster industrial cleaning with continuous-wave laser technology.

LC-CLEAN CW 1500W is LC Lasers' continuous-wave laser cleaning system. With a continuous output of **1500 W**, it efficiently removes deeply embedded contaminants.

Ideal for: Heavy industry, Shipyards, Large-scale restoration, Metal constructions, Heavy Corrosion

Power output 1500W

Technical Data Sheet: LC-CLEAN P 1500W

Model	LC-CLEAN 1500W
Product Reference	LC-LL1500W
Power Consumption	<5500 W
Voltage	230VAC
Approx. Dimensions	250x400x700 mm
Approx. Weight	<40kg
Hose Length	6m
Laser Power	Pm 1500W
Laser Type	Continuous fiber laser
Wavelength	1064nm
Frequency Range	1-10kHz
Cooling System	Air Cooling
Laser Class	4 (IEC 60825-1)

Continuous Fiber Laser

Continuous energy emission. Constant 1500W laser.

Lower Precision, Higher Speed

Faster and more efficient cleaning but with less detail control.

Deeper Cleaning

Faster and deeper cleaning,

Continuous Energy

Ideal for cleaning robust items with heavy contamination.

Applications

Heavy industry, shipyards, large-scale restoration, metal construction...

1
Minimal thermal input

2
Does not damage the material

3
Adjustable according to the task

Laser Cleaning Heads

Pulsed Laser

Small and Handy

Compact and ergonomic design that facilitates use and handling.

Easy Lens and Protector Exchange

Intuitive design allowing for quick and simple lens and protector replacement.

Dual Axis

Increases versatility and applications with a variety of laser beam shapes.

Very Lightweight

Lightweight construction allows for fast and comfortable handling, minimizing operator fatigue.

Continuous Laser

Air Blowing (AAK)

Annular Air Knife system to protect the lens.

Security Lock

Cover with a security device to protect the lens and prevent accidents.

Dual Axis

Increases versatility and applications with a variety of laser beam shapes.

Lightweight Design

Lightweight construction allows for agile and comfortable handling, minimizing operator fatigue.

LC Lasers

LC-**CABIN**

Safety

Workspace

The proper configuration of the workspace is essential to ensure the safety and efficiency of laser welding processes. The LC-Cabin optimises both operator protection and equipment performance.

LC-CABIN

Laser Safety Cabin

Modular design that can be adapted to the customer's work environment. It is equipped with the necessary safety systems to comply with regulations.

At LC Lasers, we offer a comprehensive design solution alongside our equipment, allowing each customer to adapt the cabin to their workspace and easily comply with the required safety measures.

General Features

LC-CABIN V2

Light Signal

Traffic light indicator to show when the laser is in use:

GREEN: No danger, laser off.
YELLOW: No danger, laser ready.
RED: Danger, laser active.

Safety Labels

Safety labels compliant with European standard EN60825.

Doors

Doors with a security sensor to prevent accidental openings.

Call Button

Call button that emits an audible and luminous signal.

Lockdoor

Security locking system for safety.

LC-CABIN V2

Material: Aluminum

Modular cabin made of high-quality, high-resistance aluminum panels and pillars. Tested and certified to protect against the laser.

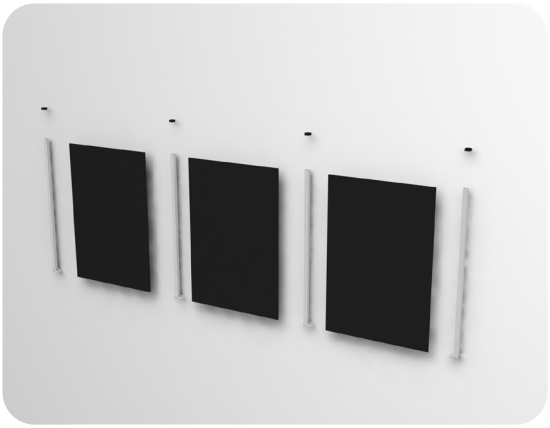
Cost-Effective Solution and Quick Assembly

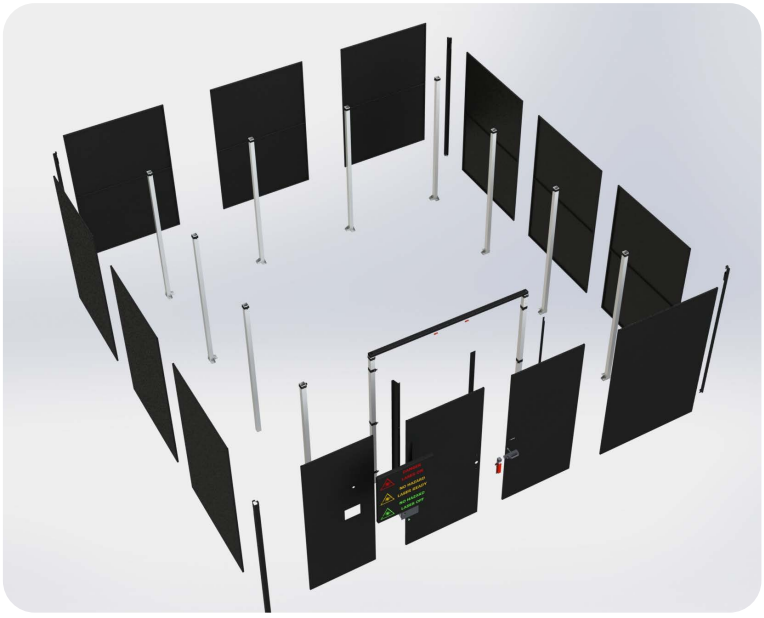
This certified cabin is a more economical solution with a faster and easier assembly process.

Modular design

Adaptable modular design composed of panels.

- **1.5 m wide** panels.
- Door + Electrical panel **3 m wide.**
- Cabins from **3×1.5m to 9×9m.**





General characteristics

Total security

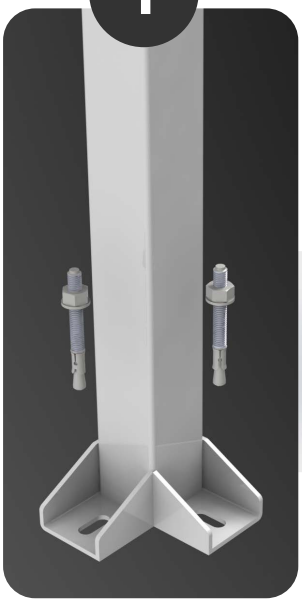
Adaptability

Ease of assembly

Economical solution

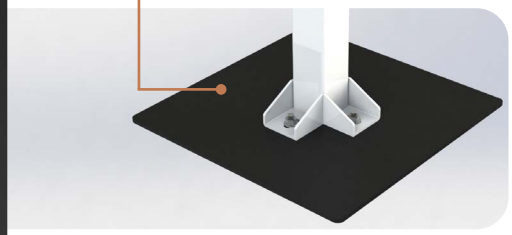
Ease of assembly

3×3 cabin assembled in 30 minutes (2 people)
(with ground bases)

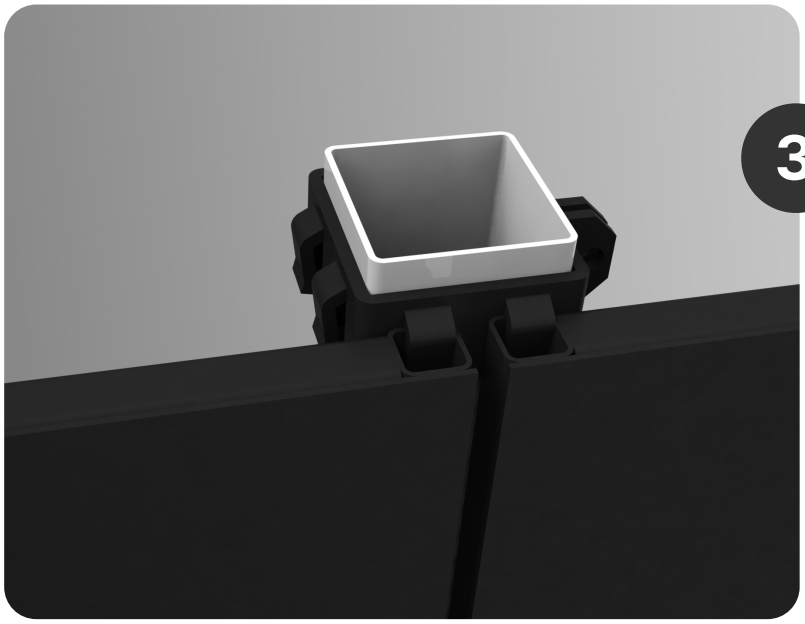


Insert the screws into the ground fixing the pillar

(Optional floor bases available)



Place the panel on the pillars



Fixing the panels and pillars

WORKING WITH LASERS HAS NEVER BEEN SO EASY

Example of Laser Safety Cabin

LC-CABIN V2

Cabin for working with laser equipment:

Modular installation that can be adapted to the client's workplace. It has the necessary safety systems to comply with regulations.
LC Lasers offers a complete solution together with laser welding and cleaning equipment, so that each client can adapt the cabin to their work space and thus follow the necessary safety measures in a simple way.
LC-CABIN V2 is a certified laser safety cabin.

Light warning

Traffic light to know laser status:

GREEN: NO DANGER, LASER OFF

YELLOW: NO DANGER, LASER READY

RED: DANGER, ACTIVE LASER

Material: Aluminum

Modular cabin made of high-quality, high-strength aluminum panels and pillars. Tested and certified to protect against laser.

Images subject to change

2200mm

1500 mm

Doors

Doors with safety sensor for possible accidental openings.

Lockdoor

Security door locking system

Button

Call button that emits an acoustic and light signal.

THE ONLY COMPLET

(LC-WELD NEO

Model in compliance with the harmonized European standard for laser product safety:

UNE EN 60825-1:2015

UNE EN 60825-4:2007

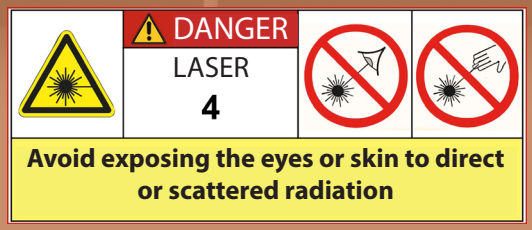
LC-CABIN V2 is a **certified product.**

Security

The safety of the enclosure according to European standards EN60825 verified by an external certification company.

The box is equipped with various safety devices:

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



E CERTIFIED SYSTEM

+ LC-CABIN V2)

In accordance with the requirements of the following international entities:

- **SUVA** (Swiss National Accident Insurance Fund)
- **Alphanov** (Centre Technologique Optique et Lasers, France)

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 that are required.

1 Door

Double door including pillars and crossbar.

Each door measures 1x2.2 m. In total the double door is 2 m wide.

2 Electrical panel

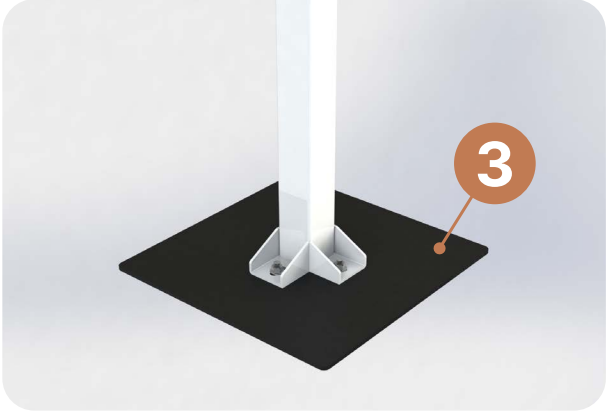
Panel for electrical components. Does not include light warning and control.

It has holes for installing the traffic light and control, making it easy to assemble without the need for additional modifications.

The electrical panel measures 1x2.2 m.

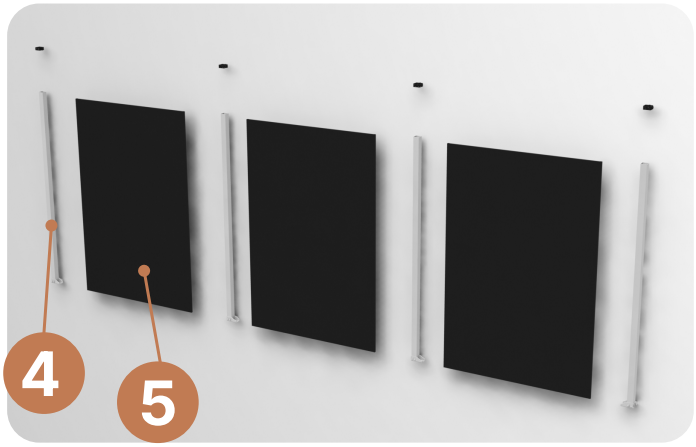
3 Ground bases

Ground bases allow for quick and secure installation without the need to drill holes in the ground. Designed to hold the pillars firmly in place, these bases offer a practical and efficient solution, avoiding the use of permanent fixings.



4 Pillars

White aluminum pillars placed between panels.



5 Panels

Black aluminium panels measuring 1.5x2.2 m.

6 Safety kit

6.1 Traffic light
6.2 Control

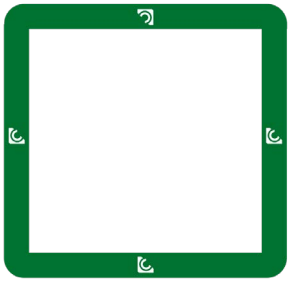
7 Corner panel

Covers corner pillars

Examples

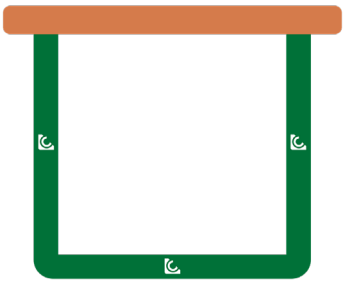
Depending on the work area where the cabin is located, as it is an adaptable and perfectly customizable solution through the modules, we can find different ways to implement LC-CABIN V2:

Full



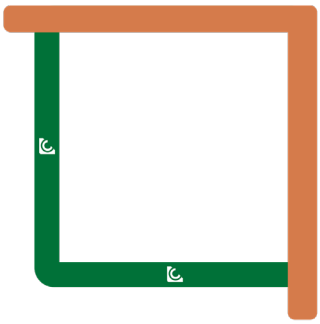
The **full cabin** offers independent enclosure from the surrounding walls, using panels that adjust to the required size of the work area. It is ideal for open spaces or areas without structural divisions, providing full protection on all sides and ensuring a safe environment for laser welding.

U-shaped enclosure



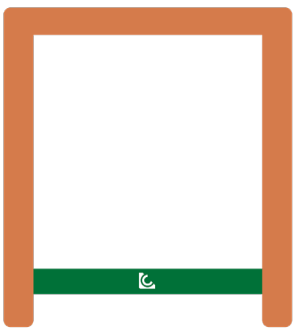
This **U-shaped enclosure** is designed to blend into areas where a back wall already exists. LC-CABIN panels form the sides and front of the cabin, allowing the size to be adapted to the available area. An efficient option for those looking to maximise the use of existing walls.

L-shaped enclosure



The **L-shaped enclosure** is ideal for corners, taking advantage of two existing walls to reduce the number of panels needed. LC-CABIN panels complete the open area, with the flexibility to adapt the size according to the needs of the workspace.

Enclosure in existing box



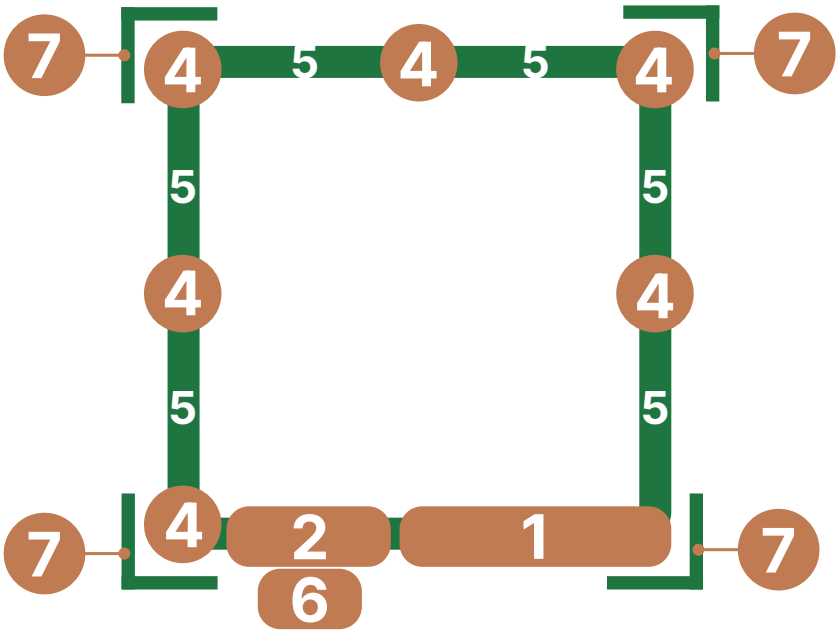
In spaces that already have three walls, only the **front enclosure** with LC-CABIN panels is required. This solution is perfect for making the most of the existing infrastructure, adapting the panels to the size required to ensure the safety and containment of the welding process.

Wall LC-CABIN

LC-CABIN V2 Ordering Guide

Below we show different examples of how to configure your LC-CABIN V2 cabin depending on the size and your space.

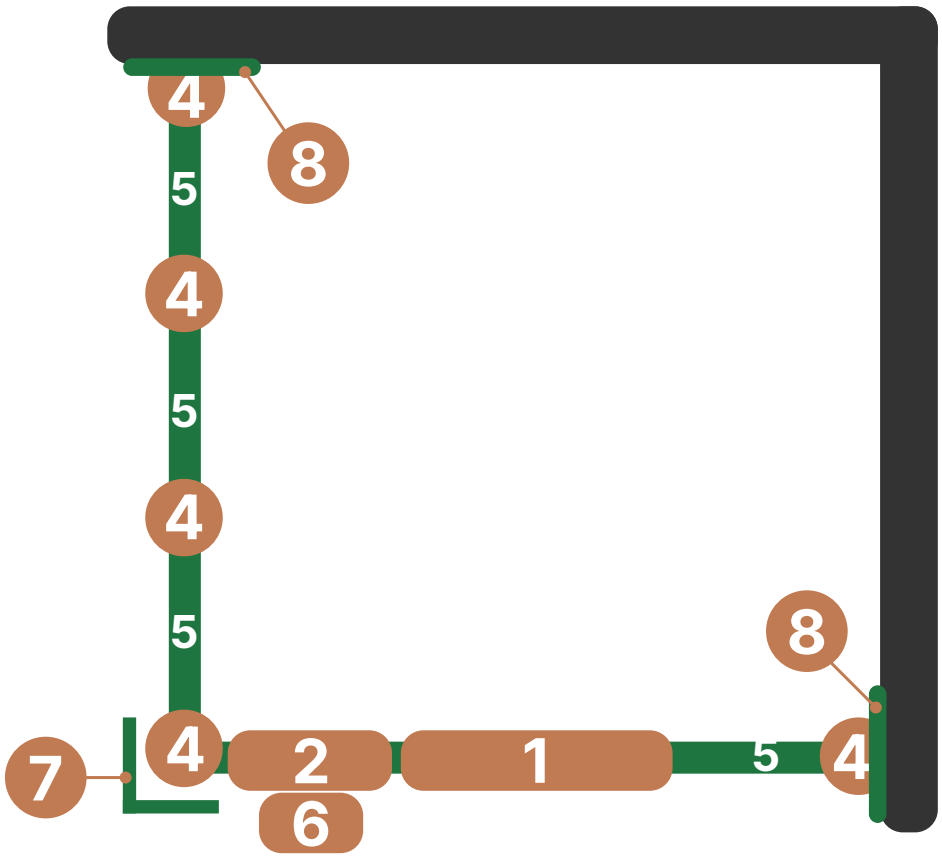
3×3 cabin



1	Door		1
2	Electrical panel		1
3	Ground bases		0
4	Pillars		6
5	Panels	5.1 Without glass	6
		5.2 With glass	0
6	Safety kit	6.1 Warning Light	1
		6.2 Control (A o B)	A
7	Corner panel		4
8	Wall panel		0

LC-CABIN V2 Ordering Guide

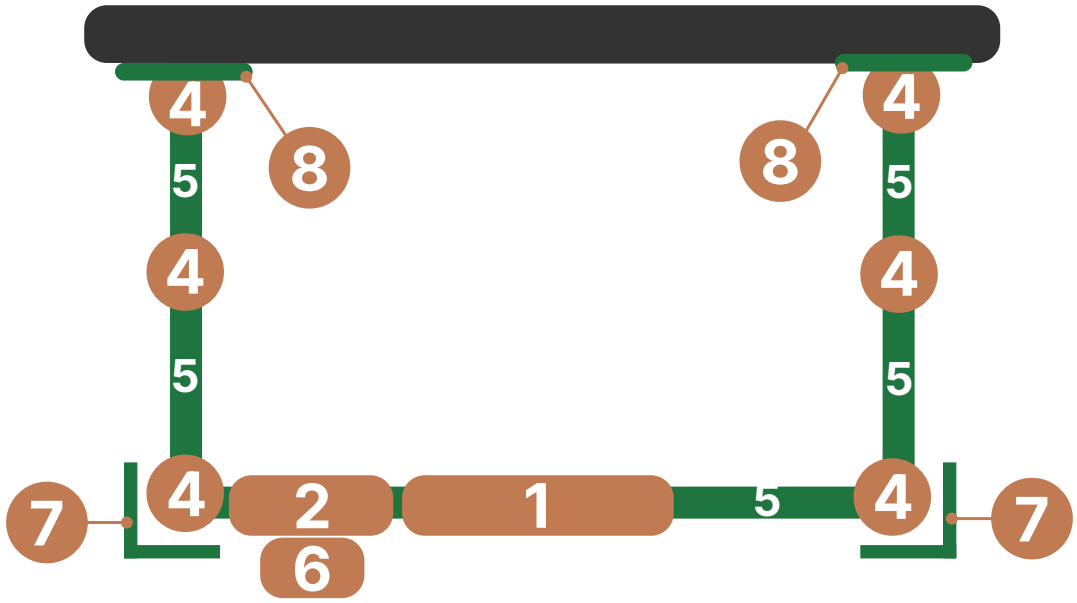
4.5×4.5 L-shaped cabin



1	Door		1
2	Electrical panel		1
3	Ground bases		0
4	Pillars		5
5	Panels	5.1 Without glass	4
		5.2 With glass	0
6	Safety kit	6.1 Warning Light	1
		6.2 Control (A o B)	A
7	Corner panel		1
8	Wall panel		2

LC-CABIN V2 Ordering Guide

4.5×3 U-shaped cabin



1	Door		1
2	Electrical panel		1
3	Ground bases		0
4	Pillars		6
5	Panels	5.1 Without glass	5
		5.2 With glass	0
6	Safety kit	6.1 Warning Light	1
		6.2 Control (A o B)	A
7	Corner panel		2
8	Wall panel		2

Safety and Certifications

At LC Lasers, safety is our top priority. That is why we always place it at the centre of our operations. We provide the necessary training information to ensure that users can work safely with laser welding and cleaning equipment.

WE CARE ABOUT YOU

"We Care About You" is the laser safety document that we provide with our equipment. It details protocols, best practices, and safety systems for working with laser technology.

Additionally, it includes technical explanations on how this type of technology works.

Regulations

Article 6 of Directive 2006/25/EC, concerning the minimum safety and health requirements regarding worker exposure to risks from physical agents (artificial optical radiation), requires that workers exposed to optical radiation risks receive information and training. This is particularly important for workers using laser products of Class 3B and Class 4. The training must include:

- Measures taken to ensure safety.
- Exposure limit values and associated potential risks.
- Results of evaluations, measurements, and/or calculations of exposure levels to artificial optical radiation, along with explanations of their significance and potential risks.
- How to detect harmful health effects due to exposure and how to report them.
- Circumstances in which workers are entitled to medical surveillance.
- Safe working practices to minimize exposure risks.
- Correct use of appropriate personal protective equipment.

The above provisions are subject to the obligations set forth in Directive 2006/42/EC of the European Parliament and the Council of May 17, 2006, regarding machinery, amending Directive 95/16/EC, and Directive 2006/25/EC concerning the minimum safety and health requirements related to worker exposure to risks from physical agents (artificial optical radiation). In addition to European regulations UNE EN 60825-1 and UNE EN 60825-4 regarding laser safety and laser classification, UNE-EN 208 (2010) and UNE-EN 207 (2018) establish eye protection standards, which are essential for the safe use of the equipment.

Certificates

All our equipment is certified by the laser safety expert company PROCARELIGHT.
This certification has involved exhaustive studies verifying its reliability, safety, and compliance with all regulations.

ULTIMATE PRECISION, ABSOLUTE SAFETY

LC Lasers

UK & EIRE
PARWELD LTD
Parweld House
Bewdley Business Park
Long Bank
Bewdley
Worcestershire
DY12 2TZ

uksales@parweld.co.uk

+ 44 (0) 1299 266800

www.lclasers.com