
Laser Marking FIBER-PRO



Company

Founded in 2008 LASERCOMERCIAL is a leader in laser technology, we develop all kinds of solutions for industries and businesses.

We have a qualified team with great 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.



**Laser
Comercial**





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. LASERCOMERCIAL 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

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



Quality

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



Post-sale service

We offer a comprehensive after-sales service, with telephone, face-to-face assistance and an online service of video tutorials to solve doubts easily and give the opportunity to learn new capabilities of our laser machines. We want to offer the fastest and most efficient solution possible.





These machines incorporate a fiber laser and the "Galvo" control technology allows marking all types of metals and plastics at an impressive speed. Laser marking achieves incredible speeds thanks to Galvo technology. Unlike CNC technology, the laser head does not have to be positioned at the point where we want to mark, but two mirrors located at a greater distance from the material are used, which rotate quickly and reach the positions more quickly. This technology allows that the head does not have to reach the places where to act, but it remains fixed. It is understood by full-machine laser marking equipment that uses this technology to make its engravings and different types of lasers can be incorporated depending on the material that we want to work with.

Laser type and technology



1 Fast markings and engravings

2 High quality and speed of applications

3 Precision to perform complex and small details

4 Multiple choice in code system: - Data matrix, QR, bars - Reading codes

Fiber laser marking machines are equipment oriented to laser marking of different materials. The LC-FIBER PRO model is a state-of-the-art marking range designed for integration into production lines and chain productivity.

This laser equipment is easy to integrate into a production line, it has small and maneuverable heads adaptable to each case and each industry. Integration in the production line is efficient and effective in a few hours of installation with training to workers who must handle the machine.

The laser equipment has different types of connection

and integrated software for an easy operation. LC-FIBER PRO offers different code marking options: Data Matrix, QR codes and barcodes or reading codes. In addition, texts, images, and different designs can also be marked and engraved at high speed.

They are low-volume laser equipment, compared to other types of laser machines, this means that they are more portable and practical.

LaserComercial offers a short-term solution adapting to the specifications of every client.



Fiber laser marking for production lines

Compact and complete laser marking machine. MANUFACTURED EXCLUSIVELY by LASERCOMERCIAL. Maneuverable system for an easy integration in production lines.

Perfect for all kinds of applications such as steel, brass, silver, gold and different plastics.

The LC-FIBER PRO machine is a laser marking model for professional applications in production lines.

- Allows fast speed works.
- Maneuverable and adaptable to each specific case.
- Good resolution of details and better results.
- High quality fiber laser.



Quality laser



High-end laser. The best quality at the best price.

Galvo Head



Mirror system that allows a fast and reliable laser marking.

Opening with key



Opening system with security key to run the machine.

Control buttons



Integrated control buttons.

Software



Easy and intuitive software. It has a graphic editor or if you prefer, import your files from other programs.



- Smart interface, automated processes with integrated control.
- Full machine integration and automation possibilities through a process control solution that can integrate full-featured laser marking projects

Different possibilities of marking

Lines, circles, triangles, codes, images. Also dynamic designs such as serial numbers, dates and times, combined with barcodes or text.

- Maneuverable head
- 512 MByte DDR3 RAM, clocked at 1GHz CPU

4 digital inputs and 4 isolated digital outputs

Encoder input

Fast online switching between up to 16 grid correction tables

Stand Alone Function

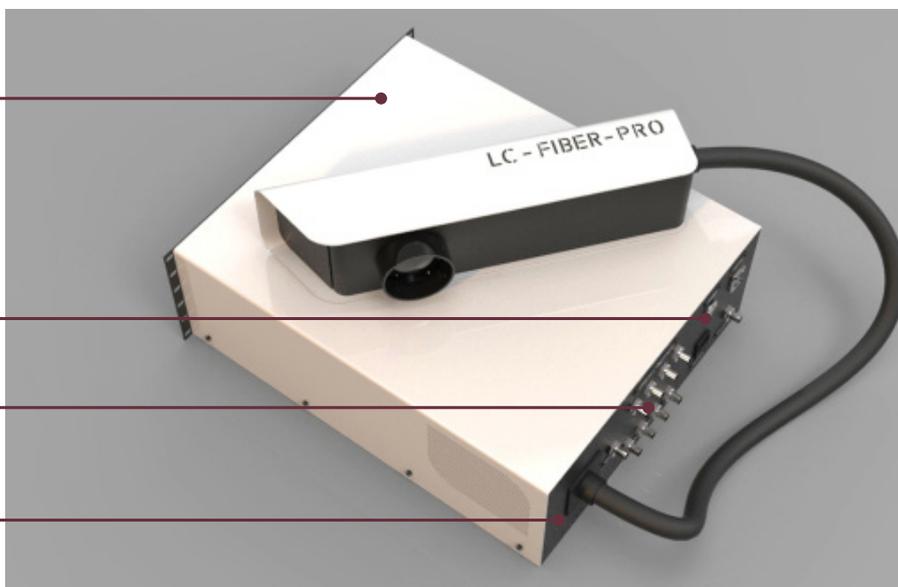


Drive shaft

Support for Micro-SD and Micro-SDHC cards with up to 32 GB of space

Coder entrance

100 Mbit Ethernet connection and USB connection



LC-FIBER PRO

20W, 30W, 50W

About LC-FIBER PRO

Efficiency and versatility

Laser project cutting into smaller parts that fit the workspace and automated processing with integrated control of motion drives.

Variety

Multi-head support with up to nine independent heads.

It works with different controllers.

Practical and complete software

Menu shortcut editor to define your own custom shortcuts for all menu items.

Edition of static and dynamic shapes, and the possibility of filling or shading freely definable and combinable elements.

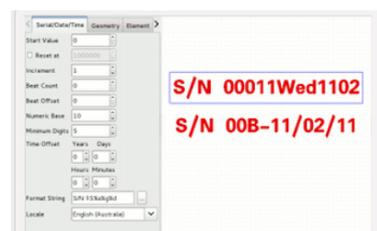
Repeated processing of vector laser data with integrated motion control (one-way, rotational, or X-Y tables).

CAD and WYSIWYG capabilities of the laser project editor.

Software available for Windows™ and Linux™.



Immersive preview



Marking of serial numbers and dates on the production line



Different types of fills for geometric shapes and many possibilities for text markup and styles

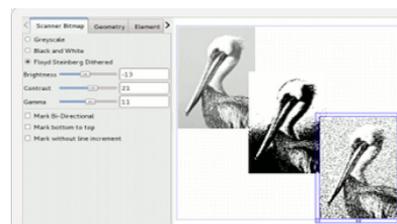


Image markup. Import in different formats

Materials



Tabla de Materiales

	ENGRAVING	CUTTING	MARKING
Stainless steel	✓	-	✓
Carbon steel	✓	-	✓
Aluminum	✓	-	✓
Copper	✓	-	✓
Gold	✓	Potencia de 50W	✓
Silver	✓	Potencia de 50W	✓
Painted acrylic	✓	-	✓
Spray on Glass	✓	-	✓
PVC	✓	-	✓
ABS	✓	-	✓
Other plastics	✓	-	✓

1
Easy integration in the production line

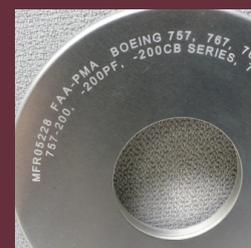
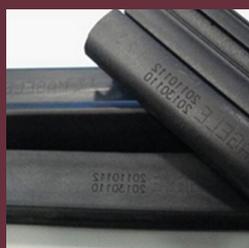
2
Traceability management system

3
Easy and intuitive

Applications and Industry

Laser marking equipment has countless applications in many industries. Implement internal references, barcodes, QR codes, expiration or production dates, among other options, in your products. These teams are perfect in sectors such as food, machining or the automotive industry.

They allow you to customize elements. Through laser marking you can achieve incredible results and in a very fast way to better attract the attention of your customers. You can implement images, letters, vectors and many other types of documents or designs.



TECHNICAL INFORMATION

	20W	30W	50W
Work area	100x100	200x200	300x300
Wavelength	1064nm		
Beam quality	M2<1.3		
Output power	10%-100% (it can be ajusted)		
Output frequency	1KHz - 400KHz		
Power stability	<±1%rms		
Focus spot diameter	<0.01mm		
Recorded range	≤400*400mm (customized)		
Engraving depth	<1.2mm		
Engraving speed	800 standard characters/second		
Minimum line width	0.012mm		
Minimum character	0.1mm		
Repetition accuracy	±0.003mm		
Operative System	Windows 7 / Windows 10		
Cooling mode	Air cooling		
Room temperature	10°C~33°C		
Ambient humidity	20%-80%		
Electrical parameters	220V/Singlephase/50Hz/<2000W		
Laser life time	100000 horas		
Host size	400mmx350mmx635mm		



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