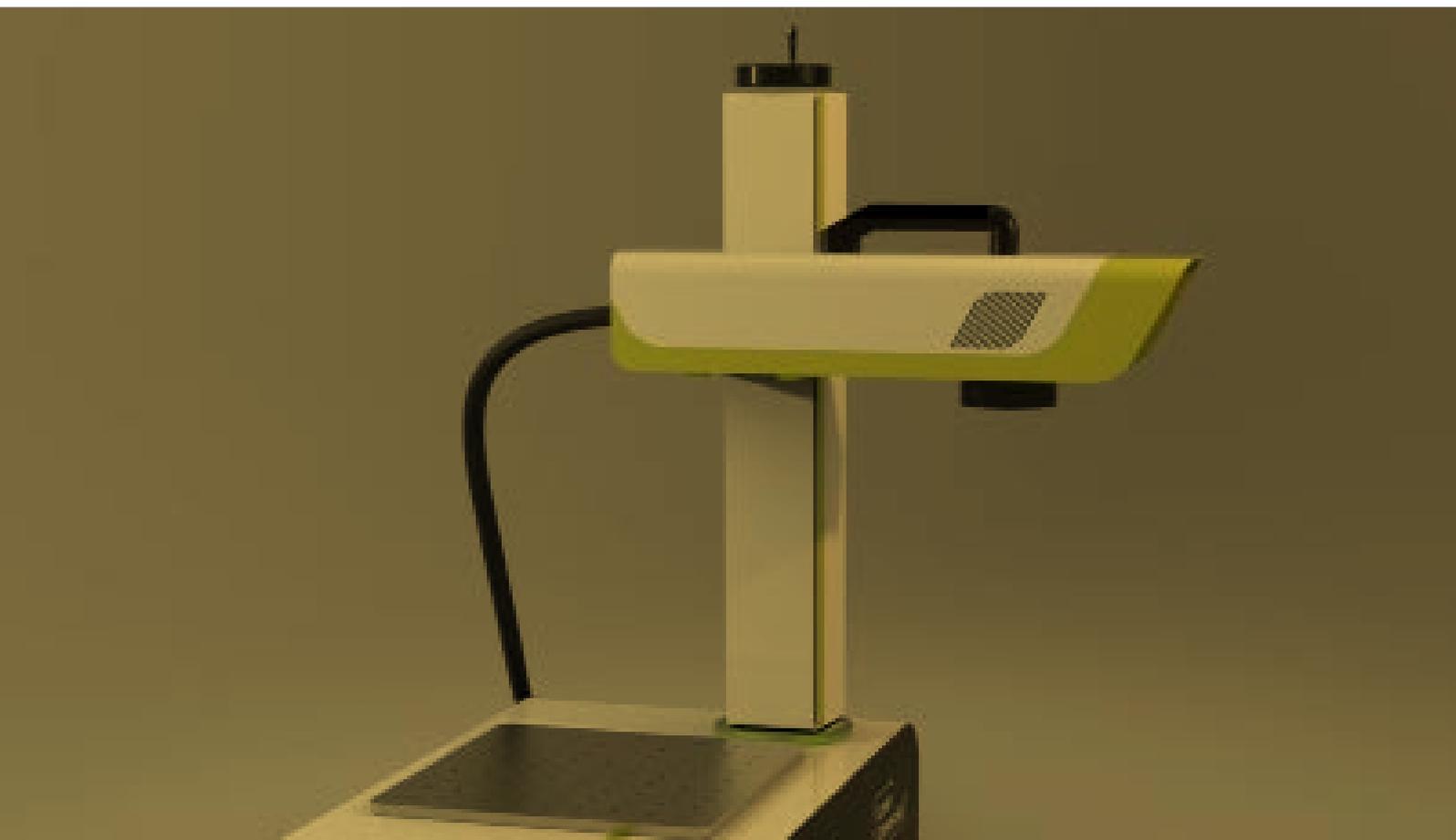


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# Fiber Laser Marking



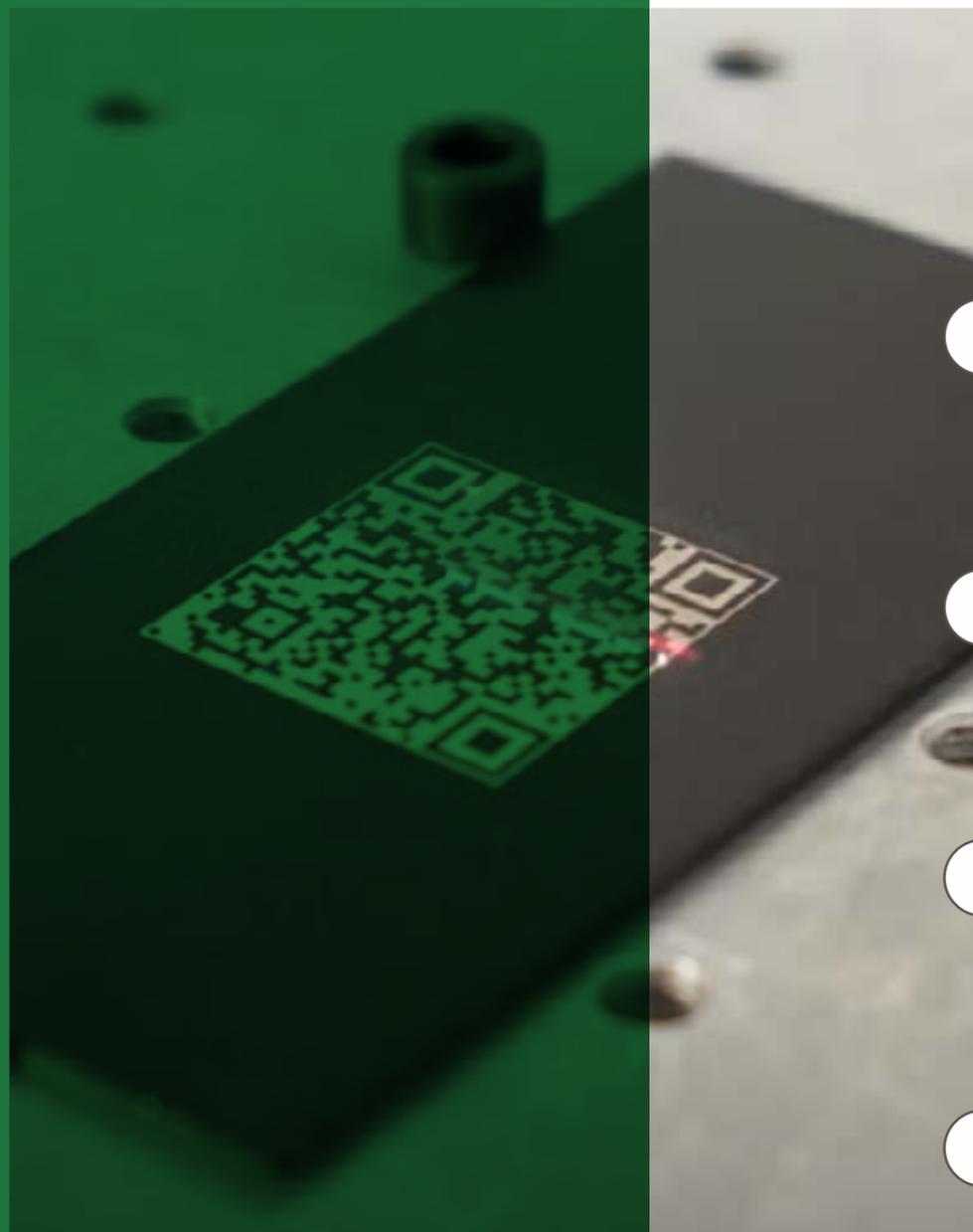
# Company

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.



## 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

LASERCOMERCIAL 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 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.



### 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 "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 must not be positioned at the point where we want to mark. Two mirrors located at a greater distance from the material are used that rotate quickly and reach the positions more quickly. This technology means that the head does not have to reach the places to act, but rather that it remains fixed. A laser marking machine is an equipment that uses laser technology to make its engravings or marks. Different types of lasers can be incorporated depending on the material we want to work with.

## Laser Type and Technology



### 1 Fast engravings

### 2 High quality and marking speed

### 3 Precision for complex details

Laser marking machines are laser instruments aimed to mark and engrave but in some cases they can even cut some materials (although it is not the most efficient option). This type of laser machine is perfect for engraving and marking of all kinds of materials in a repetitive and fast way, but on the other hand, they have a smaller work area.

Laser engraving works at maximum speed, increasing productivity and efficiency in the work carried out. The marking speed can be very high, in the order of 8000 mm / s for linear engraving or even more. Parts can be marked in a matter of seconds or thousandths of seconds.

These equipments generally occupy

little space compared to other laser machines. This means that they are more portable and maneuverable and we can even take the head with us and mark in more complex places that with a CNC system would be impossible to reach.

Laser marking equipment, as a general rule, has a much lower maintenance than laser engraving and cutting equipment that uses computerized numerical control (CNC) technology.

It's are very profitable and efficient equipment, due to their durability and efficiency, they make these laser machines an essential tool in many industries.



# Fiber Laser Marking Machine

Compact and complete laser marking machine. Model MADE EXCLUSIVELY by LASERCOMERCIAL. Easy and maneuverable system.

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

Laser marking machines are perfect for quick engravings. Our incredible range are of high quality with obtaining excellent results.



## Quality laser



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

## Galvo Head



Mirror system that allows fast and reliable laser marking.

## Plug and Play



Connect the machine to a computer and star working.

## Adjustable scale



System that allows height adjustment to adapt the laser to each thickness.

## Key opening



Security key opening system to turn on the machine.

## Software



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

## Work table



Worktable with perforated slots that allow optimization of production.

# General characteristics

## 360° movement

The head of the machine can be moved up to 360° to work.

## Import

The software accepts import of different types of files such as AI, dxif, Jpeg or Png, among others.

## Customizable layout

The design of the machine is maneuverable and adaptable to the needs of the user.

## Compact

Smaller equipment than other machines thanks to a more compact design.

## Varieties to engrave and mark

You have the option of marking and engraving with many varieties (1-400kHz).

## High speed

The working speed can reach up to 8000 mm/s.

## Adjustable height

The height can be adjusted up to 500 mm (customization possible).

## Modular design

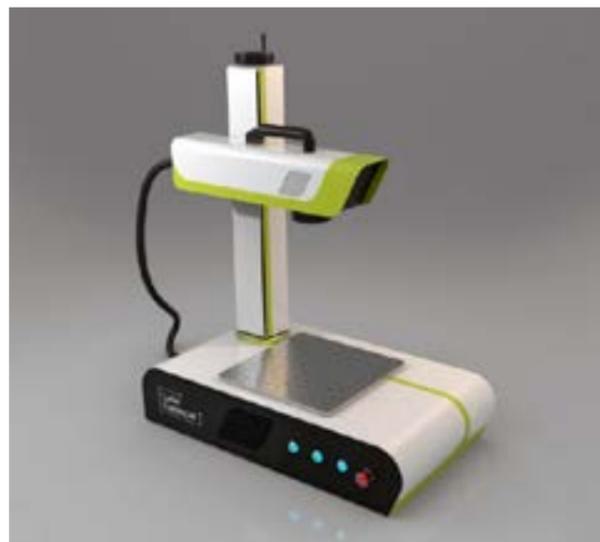
Complements and particularities can be added depending on the work to be done.

## Own manufacture

Manufactured exclusively by LASER COMERCIAL.



# LC-Fiber



## LC Fiber

- Compact and complete laser marking machine. Model manufactured exclusively by LASER COMERCIAL.



## Materiales



## Table of Materials

	ENGRAVING	CUTTING	MARKING
Stainless steel	✓	-	✓
Carbon steel	✓	-	✓
Aluminum	✓	-	✓
Copper	✓	-	✓
Gold	✓	50W	✓
Silver	✓	50W	✓
Painted acrylic	✓	-	✓
Glass Spray	✓	-	✓
PVC	✓	-	✓

- 1 Compact
- 2 Adaptable
- 3 Easy and intuitive

# Accessories and extras



## Rotary system

Rotary system



## Pedal

Increase your working speed with a foot switch to dial.



## Protective cabin

It allows you to work efficiently and safely without wearing protective glasses.

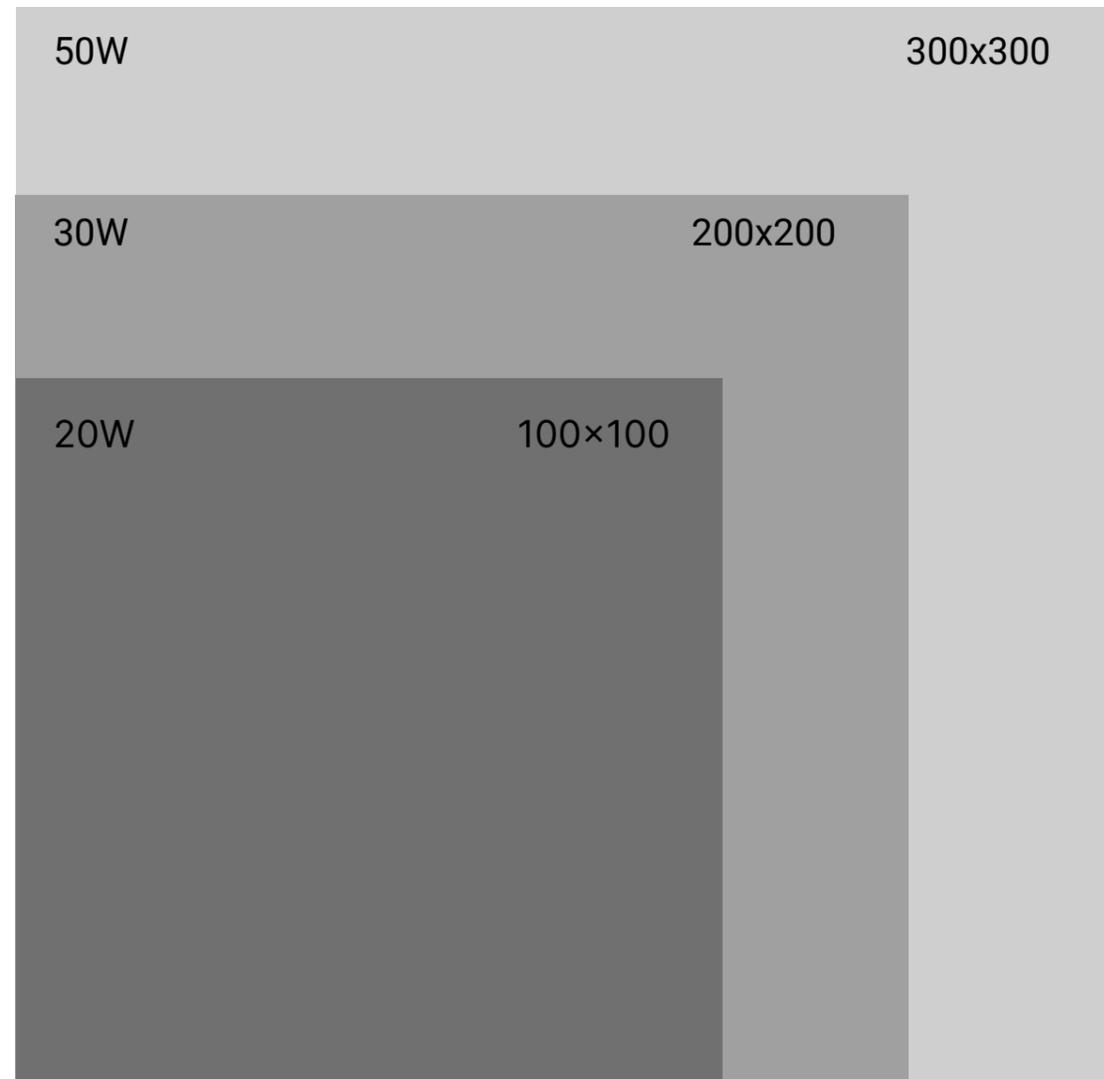
## Applications and Industry

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

These machines allow you to customize items. Through laser marking you can achieve incredible results and very quickly to better attract the attention of your customers. You can implement images, letters, vectors and many other types of documents or designs.



## OPTIONS AVAILABLES



## TECHNICAL INFORMATION

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





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