

**INDUSTRIAL CNC MACHINERY**  
Quality · Global service · Customized solutions

# CO<sub>2</sub> Laser

## SW1390S

CUTTING AND ENGRAVING



# CO<sub>2</sub> Laser


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### PROFESSIONAL CO<sub>2</sub> LASER FOR CUTTING AND ENGRAVING.

It can cut a multitude of materials, including plastics, woods, foams, fabrics... The cuts are precise and without leaving burnt material, the methacrylate for example is left with a polished finish. Apart from being able to cut, they are capable of engraving any type of photographic quality image. Any logo, text or photo can be engraved in high definition.




 **TYPE OF TABLE**  
Special table for cuts and engravings.


 **NUMERICAL CONTROL**  
The control of the laser is very easy, just use a single software with a simple interface. It has a display that facilitates start-up tasks. In addition, it is possible to use it connected directly to the PC via USB port or directly with a USB flash drive on the machine.

 **GUIDING SYSTEM ON THE AXES**  
All axes use prismatic ball bearing sliders. Y-axis uses double line.


 **TRANSMISSION ENGINES**  
High precision stepper motors.

 **LASER POSITIONING**  
Thanks to the built-in red pointer, locating the laser to start working is a quick and easy task.

 **WORK AREA**  
X: 1300 mm Y: 900 mm.

 **LASER TUBE, MIRRORS AND FOCAL LENS**

- CO<sub>2</sub> laser glass tube.
- Wavelength 10.6  $\mu$ m.
- 35 mm metal mirrors.
- 55 nm SiZn focal lens.

 **TUBE COOLING**

- Cooled by an industrial chiller model CW-5000.
- Display with current water temperature.
- Able to maintain the same temperature for a perfect operation in cuts.

 **CONTROLLER CARDS**  
JMC Two-Stage Micro-Step Drive.

 **DRIVE SYSTEM ON THE AXES**  
Timing belts. Double belt system on Y axis.



**INDUSTRIAL STANDARD  
CLASSIFICATION CODE  
08-A-284-13020079**



technical specifications

# CO<sub>2</sub> Laser SW1390S

<b>Work area (X, Y)</b>	1300x900 mm.
<b>Total measurements</b>	1780x1350x1020 mm.
<b>Weight</b>	300 Kg.
<b>Laser power</b>	60 W. / 100 W.
<b>Type of table</b>	Special for cutting and engraving.
<b>Transmission engines</b>	Great precision stepper motors.
<b>Guiding system</b>	Prismatic ball bearing sliders.
<b>Power supply</b>	220 V.
<b>Included</b>	<ul style="list-style-type: none"><li>- Refrigerator cooler for laser tube water.</li><li>- RD Works V8 software.</li><li>- Easy axis positioning with laser pointer.</li><li>- Includes membrane compressor to avoid the flame when cutting.</li></ul>



[www.cncbarcenas.com](http://www.cncbarcenas.com)

Pol. Industrial Entrecaminos. Avda. de Holanda, 42  
13300 Valdepeñas (Ciudad Real) Spain  
Tel. +34 926 64 89 85 [info@cncbarcenas.com](mailto:info@cncbarcenas.com)

**WE CAN MAKE AN APPOINTMENT SO  
YOU CAN SEE OUR PRODUCTS.**  
WE WILL ADVISE YOU ON EVERYTHING YOU NEED AND  
WE WILL RECOMMEND THE SOLUTION THAT BEST  
SUITS YOUR NEEDS.

## WARRANTY AND CERTIFICATES

Warranty policy on the website.

Together with the guarantee of quality and industrial performance that we provide as manufacturers, and that is backed by a large number of customers, **another fundamental element that differentiates our products is their certification and CE marking (European Conformity)**, which in our case means that the manufacturing and delivery processes have been audited by an external entity, which has endorsed that they are compliant with harmonized European regulations, respecting the relevant health and safety requirements, and therefore their manufacture, marketing and use is authorized in any country of the European Union.

**Always choose a product duly approved and marked**, since there are quite a few examples of products on the market WITHOUT THE CE MARKING or WITH AN INCORRECT OR FRAUDULENT CE MARKING, which can derive in the withdrawal of the machine by the competent inspection and control authorities, to problems with insurance, civil liability or labor risk prevention regulations.