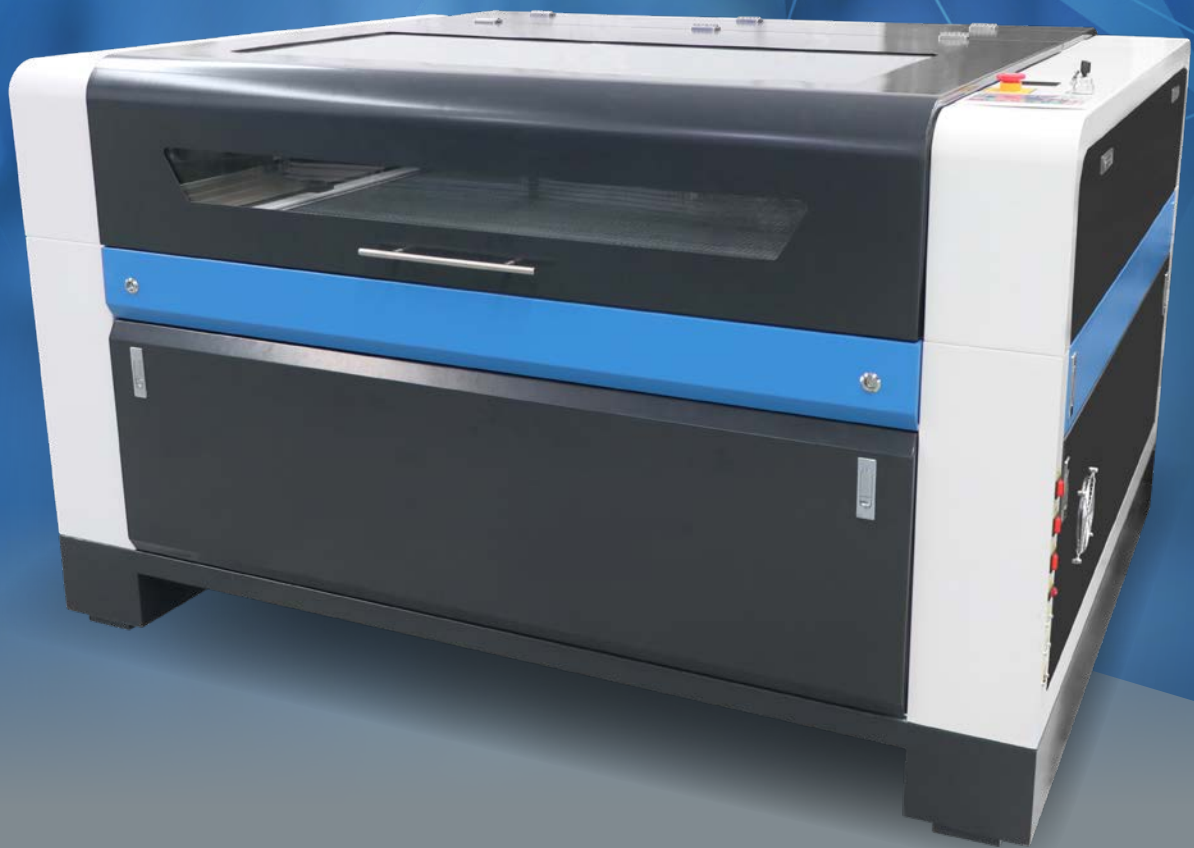


INDUSTRIAL CNC MACHINERY
Quality · Global service · Customized solutions

CO₂ Laser

SW1290S

CUTTING PLASTIC AND WOOD



 **CNCbárcenas**

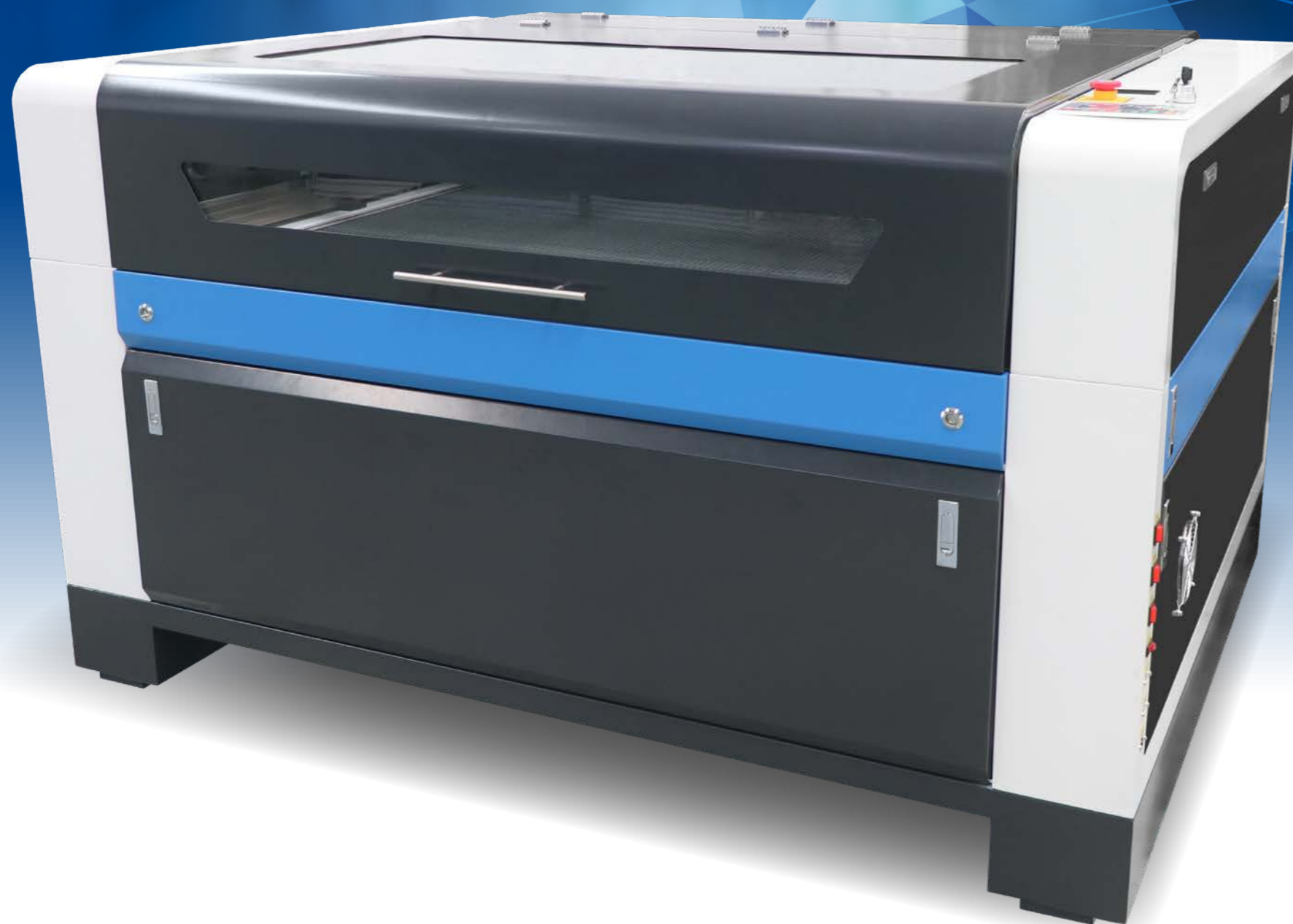
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CO₂ Laser


SW1290S


PROFESSIONAL CO₂ LASER WITH AUTOMATIC HEIGHT TABLE

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**
Honeycomb table. This table allows to extinguish the fumes produced by 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.

 **AUTOMATIC HEIGHT ADJUSTMENT OF THE TABLE**
It has an autofocus system. Thanks to a sensor that controls the height of the focusing lens with the material. No need to use gauges or take measurements.

 **LASER TUBE, MIRRORS AND FOCAL LENS**

- CO₂ laser glass tube.
- Wavelength 10.6 μ m.
- 35 mm metal mirrors.
- 55 nm SiZn focal lens.

 **TUBE COOLING**

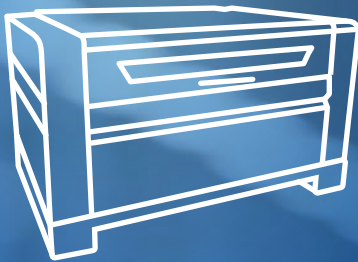
- Cooled by an industrial chiller model CW-5000.
- Display with current water temperature.
- Able to maintain the same temperature for a perfect operation in cuts.

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

 **DRIVE SYSTEM ON THE AXES**
Timing belts. Double belt system on Y axis and Z axis by spindles.



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



technical specifications

CO₂ Laser SW1290S

Work area (X, Y)	1200x900 mm.
Z height	320 mm.
Total measurements	1700x1350x1050 mm.
Weight	300 Kg.
Laser power	60 W. / 100 W.
Type of table	Table prepared for cutting and engraving.
Transmission engines	Great precision stepper motors.
Guiding system	Prismatic ball bearing sliders.
Power supply	220 V.
Included	<ul style="list-style-type: none">- Refrigerator cooler for laser tube water.- RD Works V8 software.- Easy axis positioning with laser pointer.- Autofocus system.- Includes membrane compressor to avoid the flame when cutting.



www.cncbarcenas.com

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**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.