

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

# CNC MILLING MACHINE SW1325V



 **CNC**barcenas  
[www.cncbarcenas.com](http://www.cncbarcenas.com)

# CNC Milling Machine SW1325V

## JOBS IN 2D AND 3D

### ROBUSTNESS · PRECISION · EASY TO USE

Capable to perform different jobs such as cutting, engraving, reliefs... Prepared for multiple sectors (carpentry, signage) and materials (resins, plastics, composite aluminum) ... 2D and 3D jobs.



**STRUCTURE**  
Structure and bridge made of steel, ready for heavy duty jobs.

**TABLE**  
Parts clamping by industrial performance vacuum pump.  
· Power 5.5 KW (7.5 HP).  
· Vacuum power compression: -85 Kpa.  
· No maintenance.

Table divided into 6 zones that can be operated by electric buttons from the control panel of the machine.

**NUMERICAL CONTROL**  
Named DSP (Digital Signal Processing) controller, allows to position the machine and start the jobs in a quick and simple way, compared to other systems that require complex learning.

**SPINDLE**  
High frequency motor, brushless and with air-cooled ceramic bearings.  
· Power 4.5 KW. - 6 CV.  
· ER32 cutting tool holder (1 to 20 mm).  
· 4.500 to 18.000 rpm. with adjustable speed.

Able to perform heavy duty cutting jobs, carving, 3D reliefs in wood, plastics, resins, foams and many other materials.

**AXIS GUIDANCE SYSTEM**  
HIWIN sliders on all axes (20mm). Double line on each axis.

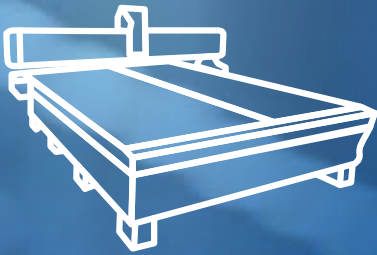
**TRANSMISSION**  
High precision steppers motors. NEMA 34 model 450B.

**CONTROLLER CARDS**  
Servodrivers (LEADSHINE).

**TRANSMISSION SYSTEM**  
- XY axes: helical racks with anti-rust treatment. Much more precise than standard racks as they have a larger support area.  
  
- Z axis: calibrated 30 mm diameter ball screw, which provides high precision to the Z axis that holds the electro-spindle.



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



technical specifications

# CNC Milling Machine SW1325V

<b>Total measures</b>	2100x3150x1750 mm.	<b>Tool change</b>	Manual ER32.
<b>Work area</b>	1300x2500x200 mm.	<b>Numerical control</b>	DSP A11. Independent control. No computer required.
<b>Weight</b>	900 Kg.	<b>Maximum speed</b>	On air: 20 meters / min. Working: 15 meters / min.
<b>Workpiece clamping</b>	Vacuum suction, vacuum pump 5.5 KW (7.5 HP). No maintenance. Suction power: -85Kpa.	<b>Resolution</b>	+/-0.05 mm.
<b>Guidance system</b>	HIWIN sliders on all axes (20mm). Double line on each axis.	<b>Included</b>	Set of milling tools for soft materials. Probe for zeroing Z axis.
<b>Transmission system</b>	XY axis: helical racks. Z axis: high quality ball screw.	<b>Power supply</b>	400 V.
<b>Transmission engines</b>	Stepper motors. Double motor in Y axis.		
<b>Spindle</b>	4.5 KW - 6HP(cv) HQD brand. Air cooled.		

When choosing a CNC router it is important to take into account that at CNC Bárcenas we supply industrial performance vacuum pumps, instead of side channel pumps/turbines (as in many milling machines on the market). These vacuum pumps have a much higher suction capacity (-85kpa) than the side channel turbines. According to the tests we have carried out, they have more than double the suction capacity of the turbines, which are often used for large format printing jobs that do not require much suction force. In addition, our vacuum pumps are more efficient, as they consume less energy (5.5KW compared to 7.5KW for the turbine).



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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.