

## VACUUM CHUCK



The vacuum chuck is a new clamping tool for non magnetic materials, which use for various machine tools. It can attract any kinds of flat surface work pieces. Weike has two types of vacuum chuck, Grid type needs sealing strip to assist in forming a vacuum area. The multi holes type is an upgraded version of the grid type, which automatically forms the vacuum area, making it more convenient and efficient.

### Grid Type

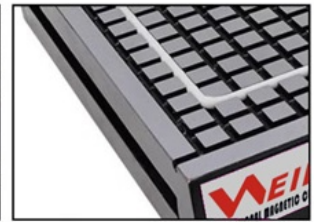
The chuck doesn't need vacuum pump and connect with air compressor only. It can clamp any material of flat plate, such as aluminum, copper, stainless steel, rubber, glass. also better effectiveness available for iron and steel. The absorbing size can be adjusted based on workpiece, convenient and fast to operate, Its strong absorbing force meets the requirement of clamping of five side machining.

Vacuum chuck surface are fine grinding treatment, the standard factory accuracy of about 0.2mm, due to the different accuracy of each machine tool, the need for a silk or higher, can be installed on the machine tool after calibration can be achieved.

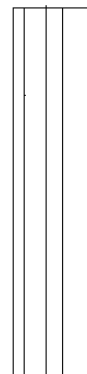
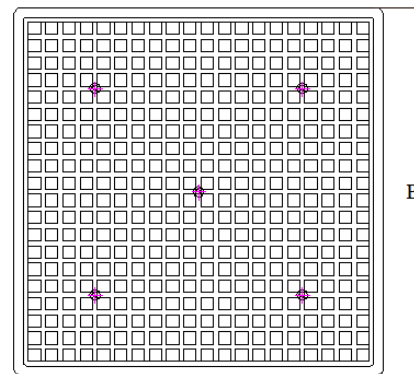
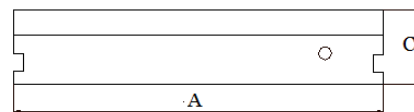
When using, first use silicone strips to form a closed shape on the chuck, which is slightly smaller than the contact surface between the workpiece and the chuck. Then connect the chuck to the air compressor, and the compressed air will pass through the vacuum generator inside the chuck to create a vacuum area between the chuck and the workpiece, and the atmospheric pressure can be used to firmly fix the workpiece on the vacuum chuck.



Chuck surface grid is 10×10mm dense style, effectively increase the clamping area and vacuum space. The chuck material is tempered steel, wear resistance is stronger. Grids can be tapped and punched (diameter 8MM, depth of 20MM or less) for fixing or positioning.



Model	Overall size mm			Weight kg
	A	B	C	
VC-1530	150	300		18
VC-2030	200	300		22
VC-2040	200	400		26
VC-3030	300	300		30
VC-3040	300	400	60	35
VC-4040	400	400		40
VC-4050	400	500		50
VC-4060	400	600		55
VC-4080	400	800		70
VC-5050	500	500		90
VC-5060	500	600	70	100
VC-5080	500	800		130



## Multi Holes Type

Compared with the grid vacuum chuck, the multi holes vacuum table does not need silicone strips, it can forms the vacuum area automatically when the workpiece is placed on the table, which is more convenient to operate. At the same time, holes can be drilled on the workpiece. It is an upgraded product of the grid vacuum chuck.

The vacuum chuck adopts stainless steel filter, good air permeability, strong corrosion resistance without clogging and rust, greatly extending the life of the chuck.

One or more vacuum suction zones, each vacuum suction zone has the function of keeping pressure and the suction holes are independent of each other, a switch controls a vacuum suction zone, which can be used freely.

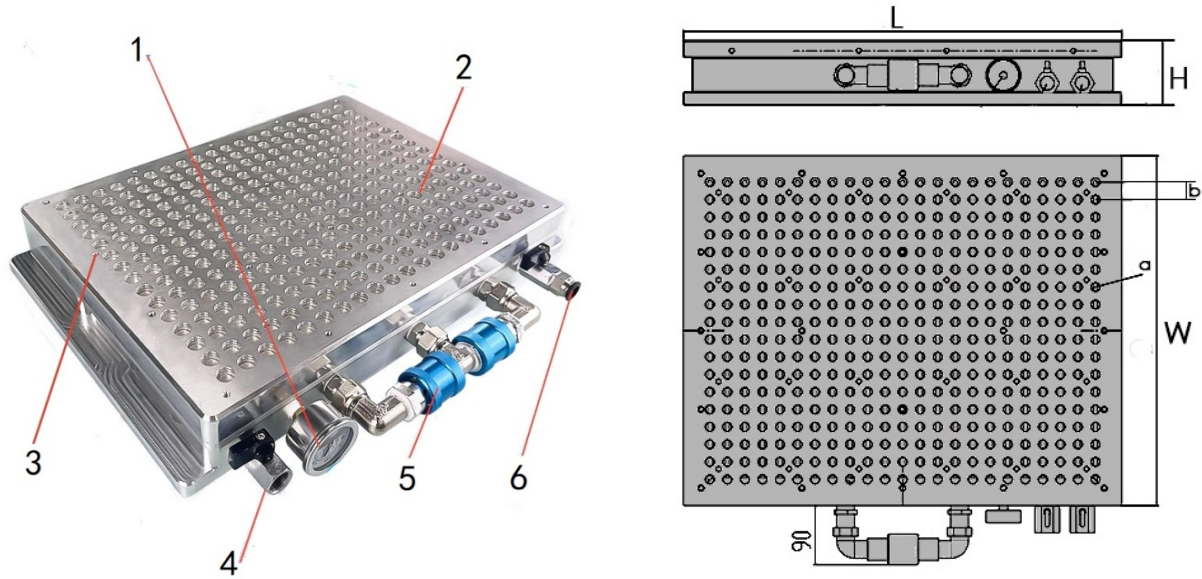
Can be used to machine all kinds of non-magnetic material flat workpieces, aluminum, plastic, glass, copper, wood, etc.



### Product Details

- 1 Vacuum negative pressure gauge, sealing pressure needs to be above 80KPa.
- 2 Independent air holding holes, stainless steel filter + card spring, effective filtration of cutting slag inhalation, built-in independent air valve independent closed air.
- 3 Locating threaded holes
- 4 Drain outlet
- 5 Slide valve switch, left and right slide, easy to operate.

6 Vacuum connection for vacuum pump or air compressor.



Model	Overall Size mm			Hole Number	Suction Zone Number
	L	W	H		
VCM-3040	400	300	74	234	1
VCM-4040	400	400	74	324	1
VCM-4050	500	400	74	414	1
VCM-4060	600	400	74	504	2
VCM-4080	800	400	74	684	2
VCM-50100	1000	500	74	1104	3
VCM-60120	1200	600	74	1624	4

Hole diameter a=10mm; Hole Distance b=20mm

#### Technical Changes

The data and illustrations in this catalogue are not binding and only provide an approximate description. We reserve the right to make changes to the product delivered compared with the data and illustrations in this catalogue, e.g. in respect of technical data, design, fittings, material and external appearance.

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