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5 + 2 Axis Bridge Saw Cutting Machine

Machne function:

1. Adopting Adopting the original (cutting + drilling double cutter head structure) to realize the five-axis linkage working mode.
2. The cutting cutter head can rotate 360 degrees to cut and process special-shaped, fan-shaped, round, table basin holes, polygons, diamonds, straight lines, 45-degree chamfering, etc.
3. A variety of cutting methods, in addition, there is a special spindle head for drilling, milling and other processes of the product.
4. The machine is easy to program and supports CAD import function.
6. The whole machine adopts the international first-line linear guide brand and precision rack, high speed, stable, small footprint, convenient transportation, installation and debugging.

Machine Picture



PROCESSING RANGE



APPLICATION RANGE

HONGYI TECHNOLOGY



Dining table



Round table



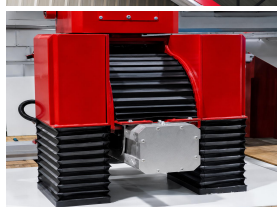
Countertops



Wash basin



Anti-skid groove

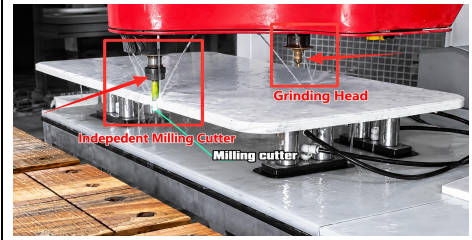


grinding function

Why is 5+2 Axis?

5 Axis
+ one independent milling cutter +
one grinding head (and also add
one small working table)

**Grinding head can grind the simple
shapes of 4 sides.**



Machine Specifications

No.	Name	Details
1	Maximum saw blade diameter	350-400mm
2	Max Cutting Thickness	7 cm (cut stone, such as granite and quartz)
3	working platform size	3200*2000mm (can be customized)
4	main motor power	15 KW (Water-cooled motor)
5	Speed	Add 1 axis separate milling cutter speed: 18000-24000rpm
6	power of milling cutter	5.5 KW
7	total power	27 KW
8	Water Consumption	40L/min
9	A axis working range	0-90°
10	C axis working range	0-360°
11	Number of vacuum suction cups	2 (can hold 200 kgs)
12	air pressure	0.7
13	Control Accuracy	±0.1mm
14	Machine Size	5200*3250*3100mm
15	Machine weight	3150KG
16	Software	CNC system (5+2 Axis is our special design, Using the system developed by our R&D team.)
17	Electric	Schneider Brand
18	Driver	Inovance (Top Brand in China)
19	Screw Guide	TBI (Taiwan Brand)
20	System Language	English/Chinese/Spanish(can be customized as your needs)

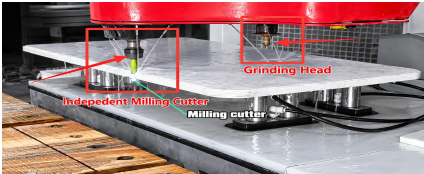
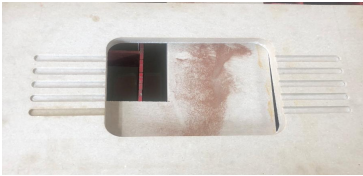
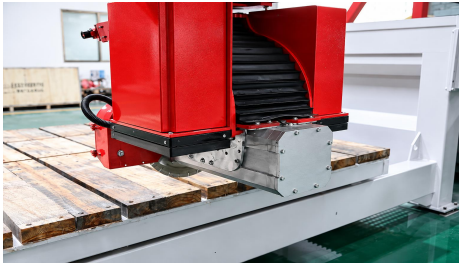
Main Function

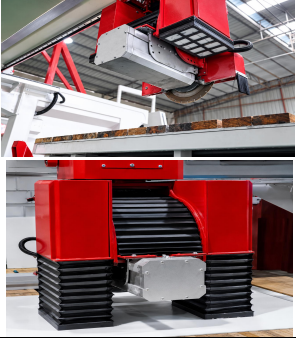
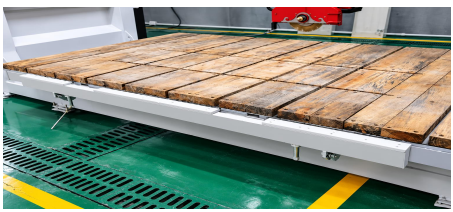
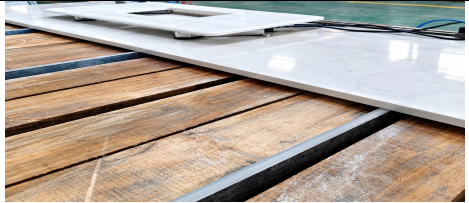
Suction Cup and camera and led light



Disc Cutting



Independent Milling Cutter	 <p>Milling 铣孔</p> <p>Plane Carving 平面雕刻</p>	
Profiling	 <p>Profiling 仿形</p>	
Grinding Function	 <p>Grinding Head</p> <p>Independent Milling Cutter</p> <p>Milling cutter</p> 	
Taichung Basin	 	
Machine Configuration		
RTCP Rotated Tool Center Point	one third faster than 4-axis machining	
Independent milling cutter	The processing speed is 0.8m per minute, which is four times faster than the non-independent one.	
Cutting Blade	D 350-400 mm is enough, D 350 mm also can cut 70 mm	
Water-cooled motor	Good cooling effect and supports long-term working.	

Large capacity suction cup	<p>1.The maximum load-bearing capacity is 200KG</p> <p>2. The excessive materials can be moved during the processing, intelligent operation can be performed, manpower can be saved, efficiency can be improved, overcutting can be prevented, and the utilization rate of the plate can be increased.</p>	
Oil-immersed guide rails	To ensure cutting accuracy and stability, while ensuring that the linear guide rails are more durable and have a longer life	
Absolute servo motor with memory function	It has a power-off memory function. When restarting the machine, there is no need to debug the machine again, and there is no need to return to the origin. Processing can continue from the previous position.	
Add Grinding Function Working Table (Detachable design)	can be ground 4 sides, making it easy to do imitation. One machine can do the functions of two machines.	
With stop ruler	it can maintain the integrity of the pattern when processing the plate with pattern	
Lifting table facilitates	It is convenient to carry finished products and waste materials after processing, and ensure that the honeycomb panel is placed evenly on the workbench.	
Remote control	Convenient and simple operation and tool adjustment	
with camera function and updated light	Our camera is fixed and equipped with an LED light, which makes it less prone to blur and allows for sharper images when used at night.	