



## **BEIJING YANDIAO CNC MACHINE CO.,LTD**

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### **5 Axis Stone Cutting Saw**

#### **Part I:**

**Payment terms:** 50% by T/T in advance , 50% balance by T/T before shipment.

**Delivery time:** about 40 days after receive down payment

**Departure port:** Qingdao seaport, China

**Transportation:** Delivery by sea

**Packing :** Film package for full container

#### **Part II: Machine introduction**

- 1)The five axis bridge cutting machine is designed to realize X-Y-Z-AB 5-axis linkage with more wider utilization. I
- 2) It can be used for cutting, chamfering, polishing, slotting, drilling and arc grinding etc.
- 3) It is suitable for irregular cutting and chamfering of granite, marble, artificial stone, rock plate and other stone materials. It is widely used for digging and cutting the countertop of kitchen and bathroom in home decoration industry.
- 4)This machine has reasonable structure, convenient operation, fast cutting speed, small loss of saw blade and smooth cutting surface.

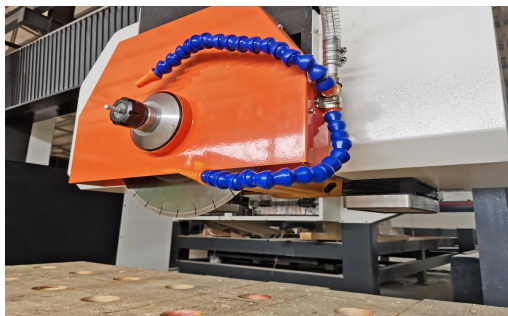
#### **Machine photos:**



**Automatic rotary platform**



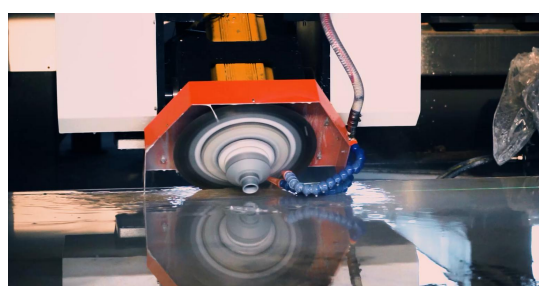
**Horizontal cutting**



**Longitudinal cutting**



**Beveled cutting**



**Open angel**



**Vacuum manipulation function**



**Technical parameter:**

<b>X-axis travel</b>	<b>Width 3200mm</b>
<b>Y- axis travel</b>	<b>Length 2000mm</b>
<b>Blade diameter</b>	<b>350mm</b>
<b>Bed frame</b>	<b>Seamless welding ,aging treatment, five faces milling machine processing</b>
<b>Surface treatment</b>	<b>High temperature spray to prevent paint from falling off</b>
<b>Cutting thickness</b>	<b>within 50mm</b>
<b>Transmission mode</b>	<b>High wear resistant widened square rail + X,Y axis gear rack , Z axis ball screw</b>
<b>Driving mode</b>	<b>High precision servo control</b>
<b>Cutting motor</b>	<b>Saw + tools , waterproof and high temperature resistant</b>
<b>Cutting speed</b>	<b>1-2500mm/min （based on thickness of material）</b>
<b>Motor power</b>	<b>11KW</b>
<b>Control system</b>	<b>Update the latest five axis system</b>
<b>Programming mode</b>	<b>Modify data directly in operating system</b>
<b>Platform rotation angle</b>	<b>0-85 degrees</b>
<b>Head rotation angel</b>	<b>0-360 degrees</b>
<b>Head tilt angel</b>	<b>Any angel within 0-90 degrees</b>
<b>Vacuum manipulation</b>	<b>With vacuum manipulation function</b>
<b>Table</b>	<b>Hydraulic, thickened wooden table , add universal wheel</b>
<b>Oiling method</b>	<b>Automatic oiling and lubrication</b>
<b>Tools box</b>	<b>One saw blade, wrench, wearing parts</b>
<b>Dimensions</b>	<b>L 5250mm, W3230mm, H 2530mm</b>
<b>Weight</b>	<b>3500kg</b>

**Machine feature:**

This machine is made of heavy materials, compact bed and durable bed without deformation. The whole machine processes the guide rail surface and drilling through a large five face milling machine. The key parts of the machine choose imported excellent accessories, with high machining precision, large production capacity and higher degree of automation. Imported high-precision ball screw transmission is adopted, and the lead screw is highly heat-treated.

The wear resistance is more durable and the service life of the whole machine is prolonged. This equipment is equipped with high-end, servo control, fast and stable operation.

**Advantages of intelligence and automation:**

1 The equipment adopts 11kw high-power special cutting motor, copper core coil, super power, low speed, high torque, large cutting force and labor-saving cutting. The machine adopts servo drive motor, with stable processing, low noise and low heating. The cutting speed fluctuates up and down according to the hardness of the cutting material, processing speed and cutting depth.

2 Genuine five axis control system, with movable handle, flexible point-to-point positioning, easy to learn and use, while ensuring equipment accuracy and high cost performance. The machine head can swing 360 degrees freely, and can cut the plate at any angle and shape: transverse cutting, longitudinal cutting, arc cutting, elliptical cutting and circular cutting. The saw blade motor is added. After the machine head is vertical, the automatic milling cutter can be used, and the internal angle can be opened.

3 The system has a high degree of humanization, has very low educational requirements,

and can operate the machine at the primary school level. It can directly identify CAD, or according to customer requirements in the operation program

It is required to directly modify the size for cutting without complex program to figure out the CNC path. The manufacturer trains the machine for free.

4 Different from the three-axis stone cutting machine, this machine can not only cut the shape, but also cut the material for the large plate, such as 45 degree chamfer, basin hole, stove hole and oblique line cutting. Infrared positioning, accurate cutting, reduce waste production.

5 The important electrical components in the control cabinet are of well-known brands, with strong impact resistance, anti-interference, moisture resistance and stability. The whole machine is resistant to strong electromagnetic interference, stable and reliable, so as to ensure the stable processing and operation of the equipment for a long time. The chassis has power-off protection function. The periphery of the whole machine is waterproof to reduce splashing, and the waterproof and dustproof structure is effective Protect the guide rail and lead screw from dust or moisture, and improve the service life of the machine tool.

6 The new drag chain is adopted to distinguish the signal line and power line according to the specifications, so as to better prevent signal interference. The internal

partition of the drag chain is fixed, so as to eliminate the screwing of cables together in the working process. The cable adopts imported high flexible shielded wire with longer service life.

7 The platform turns over 85 degrees, and the loading and unloading of large heavy plate is convenient and labor-saving. The new five axis saw has the added function of not moving the cut board manually, and the table top of different customers can automatically optimize the layout and save materials. Disposable splicing and cutting. A simple summary is the function upgrade, which adds the functions of automatic plate moving and automatic optimization of typesetting.

### **Cutting samples:**



### **Standard requirements:**

1. Machinery safety standards, in line with national safety standards and national safety and health regulations.
2. The equipment has good and comprehensive safety protection measures.
3. Movable parts for frequent adjustment and maintenance.

4. Electrical safety standards, the control system can ensure that there will be no danger when the equipment is powered off, and the equipment itself and personnel will not be injured.
5. The electrical control system of the equipment has the functions of overload protection and short circuit protection.

### **Equipment maintenance:**

The equipment is guaranteed free of charge for one year and maintained for life. The response time of customer service is within 24 hours.

When the equipment warranty expires, it will provide maintenance services for life. After the expiration of the warranty period, it still provides extensive software and hardware support.

### **Packaging Details:**

Film+ PE stretchy film in 20 feet container.

Package is much more strong and environmental protection. We can also make package according to your requests.

### **Guarantee and After-sale service:**

1. 12 months warranty for the whole machine.
2. Technical support by phone, email or WhatsApp/Skype around the clock.
3. Friendly English version manual and operation video CD disk.
4. Engineer available to service machinery overseas.

## **Part III      Company introduction**

### **Company introduction:**

Our company name is Beijing YanDiao CNC Machine Co.,ltd,

mainly engaged in the design, research and production of the CNC machines since 2010. Factory,over 80,000 M2 workshop , more than 600 working people ,is located in Jinan city, Shangdong province.







## **Our advantage:**

1. We have our own machining workshop .  
All machines frame, gantry and Z axis are made by our own workshop. In this way, we can ensure our good quality and lower the cost .
2. We can design and produce according to customer's requirements.  
(including machine structure , type , color , spare parts and so on )
3. We can make OEM. ( with customers' own logo on the machine )
4. We have rich experience for exporting, we will prepare well all customs documents and CO for making customs successfully.

## **Part IV Contact information**

### **Contact:**

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**Customer satisfaction is our constant commitment**

**Beijing YanDiao CNC Machine Co.,LTD**

