



5-Axis Waterjet For AC

Product Introduction:

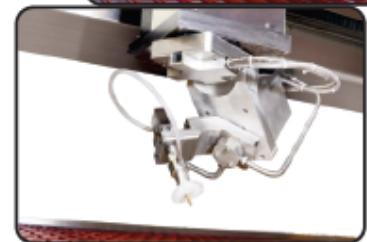
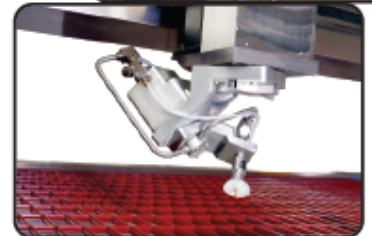
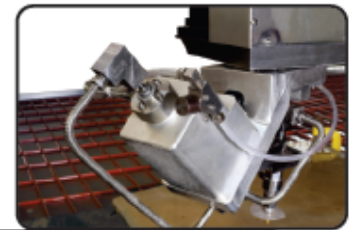
5axis high and dynamic water jet for AC is the latest product developed on the basis of 5 axis dynamic water jet for AB, it can realize the cutting of 0-45 degrees. With the appearance of it, making the progress in the field of water jet in china. The most important point is it can solve the four-corner problem of metal pattern and metal cutting. In the future, it is widely used in cutting about ceramics, stone, metal, etc. and it will be popular in the metal industry.

The Mature products for shuttle are :

- 5 axis high and dynamic waterjet for AC,
- 5 axis dynamic waterjet for AB
- 3axis traditional Waterjet
- two-gantry waterjet

Features of product:

1. With the design of AB axis, it can realize the linkage of five axis (X,Y,Z,A,B);
- 2.The structure is concise, not simple, it is more closely in waterproof and anti-sand, and the electrical wiring is clever;
3. Some parts are made by CNC machining center, making the precision stronger;
4. Use the brand of YASKAWA in servo motor and servo driver, making the precision stronger;
5. Reasonable design can improve the running lifetime and reliability of the water jet;
6. 5 axis can realize the any angle of cutting within the range of ± 5 degrees, and it has the superior performance during the machining process by marble, ceramics, etc. when the cutting head is less than 2-4 degrees, two pieces of the work piece can have the effect of the upper surface has almost no crack and the lower surface has horn mouth. That means you needn't to do the secondary machining , and it can improve the efficiency, decrease the investment in machining, improve the environment and improve the quality of parquet.





5-Axis Waterjet For AB

Product Introduction:

5 axis dynamic water jet for AB mainly replace to the 4 axis water jet, its structure is simple, running is stable and the maintenance is convenient. And compared to the 3 axis traditional water jet, the cutting plane is more perfect and the efficiency is stronger. At present, it is widely used in especially for ceramics, stone, glass, metal, etc. It is the advanced version of free polishing in the traditional parquet.



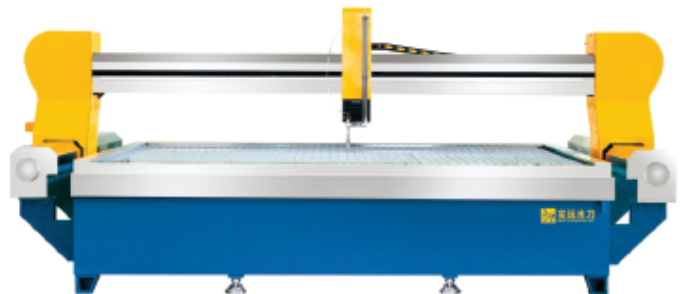
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3-Axis Waterjet

Product Introduction:

3axis traditional water jet is a part of can be ignored during the process of water jet, and it is one of the products about the fastest speed and the most stable for all kind of water jet. Its maintenance is easy and the technology is stable, and it is the necessity for lots of users in the cutting industry. It is mainly used in cutting ceramics, stones, glass, metal, plastic, titanium, carbon, industrial electronic product etc.



Features of Product:

1. it has the cutting ability of full direction, can carry out any plane curve cutting;
2. the structure of platform is specially reinforced, it will not be shaking when the cutting head is running. And the cutting speed is fast and the precision of machining is strong;
3. The screw mandrel and the lead rail are provided by Taiwan's manufactures, the X axis and the Y axis with the oil-immersed, it has the effect of lubricating, with the structure of water-proof and dust-proof, can make sure the machining precision of cutting platform, and improve the lifetime of the screw mandrel and lead rail.
4. The cutting head is equipped with the pneumatic water switch that can improve the productive efficiency;
5. The design of sand valve is special, the structure is simple, making the flow more smoothly and the repairing more convenient, and can prevent the phenomenon of water leakage;
6. The stainless steel protection cover is dust-proof, water-proof, rustproof, erosion proof, making the platform bright all year.



Parameters For 3-Axis, 5-Axis Waterjet Machine

Model	SH 2015	SH 2515	SH 2013	SH 2515	SH 3020	SH 4020
Structure	Cantilever	Cantilever	Cantilever	Cantilever	Cantilever	Cantilever
Table Size	2110*1610mm	2610*1610mm	2110*1410mm	2610*1610mm	3110*2110mm	4110*2110mm
Cutting Journey (X,Y, Z axis)	2000mm	2500mm	2000mm	2500mm	3000mm	4000mm
A axis	Maximum revolved degree is $\pm 72^\circ$ (for AC) / Maximum revolved degree is $\pm 22.5^\circ$ (For AB)					
C axis	Revolved 360°					
CNC Controller	AC servo system					
Accuracy	Cutting	$\pm 0.1\text{mm}$				
	Angle	$0-45^\circ$ 9For AC) / $0-5^\circ$ (For AB)				
Traverse angle	6000/15000mm/min					
Power Supply	380V/50HZ(It can be customized according to the customers)					

Traditional 450mpa Pressurization system.

Traditional 450mpa Pressurization system is mainly right for the manufacturers that do the secondary machining of ceramics and stone mixed or professional stone. And it's right to do the secondary machining of steel. The main motor is 37KW, the main parts are from other countries, and it is one of the most mature and the first choice products.



Pressurization system

Automatic Sand supply system



Automatic Sand supply system

Automatic sand supply system sends the cutting sand to the sand bucket on the cutting head with the help of the air pressure, and then it can relieve the labor intensity of technician. Don't close the machine during the process of adding sand, it can improve the working efficiency, reflecting the automatic degree of shuttle water jet.

Cooling Tower:

Cooling tower is a device to use the water as the circulating coolant, and then absorb the heat to discharge to the air, in order to decrease the temperature of the water.

Cooling Tower





Industrial chiller:

Cooling the oil of pressurization system, it has features of water saving, electricity saving, less noise, small volume. The cooling effect is better and the lifetime of parts from high pressurization and elements from the oil sealing can improve about 20% compared to the cooling tower.



Industrial chiller

Sand Sucker:

Automatic extraction to the sand from the platform, decreases the labor cost, improves the working efficiency, and realizes the automation.

Applications



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