



Shenyang Head Science & Technology Corporation Limited

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Quotation List

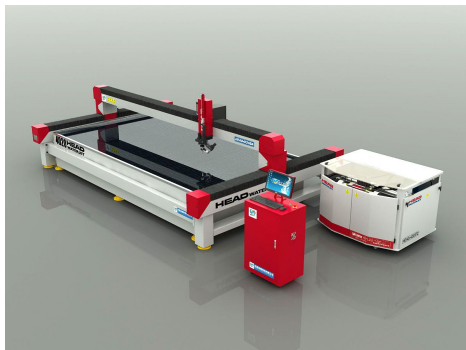




Date: May 20th 2024

Client code: HD240520

Valid time: 30 days

Water jet cutting machine "HD42037Z" series Model: [HEAD4020BA-5AC-F/HEAD42037Z](#)

Instructions of the main parts of water jet cutting machine

<p>A</p> <p>The cutting table</p>		1. Machine style: Gantry style	   
		2. Processing dimension: 4000mm×2000mm	
		3. Z-axis journey is 150mm	
		4. Control accuracy: ±0.01mm	
		5. Cutting accuracy: ±0.1mm	
		6. Auto zero positioning	
		7. Way of drive : Servo (drives and motors are from Japan)	
		8. All screw and linear guide are ABBA brand from Taiwan	
		9. Seprated body X beam of cutting table applies the one-off extrusion forming aluminum alloy	



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<p>B The intensifier pump</p>		<ol style="list-style-type: none"> 1. Type of pressurization is hydraulic. 2. Max. oil discharge is 106 L/min 3. Max. water discharge is 3.8L/min 4. Max. diameter of orifice is 0.33mm 5. Max. operating pressure is 420MPa 6. Continuous operating pressure is 380MPa 7. Power requirement : 37KW, 380V/50HZ 8. Type of shift is electronic 9. The accumulator is 1.2L. 10. Intensifier is highest technology from USA 11. With cooling fans. 	<p>Siemens motor USA intensifier</p> 
<p>C The CNC system</p>		<ol style="list-style-type: none"> 1. CNC control, apply 19 inch LCD 2. Adopt specialized water jet cutting software, have autosave function for next operation. 3. Apply Omron brand PLC instead of relay 4. Windows 10 based, Support DXF file and any auto programming software to produce NC code 	 <p>OMRON WEIHONG</p>





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The accessory parts

Accessory parts	Function	Picture
Auto abrasive delivery System	<ol style="list-style-type: none">1. Can supply the cutting sand quantity according to the adjustable sand level location tube2. No need electronic control, simple operation, reliable, maintenance-free3. 200 liters capacity can provide enough sand for 8 hours4. continuous cutting5. Need less than 0.2 Mpa compressed gas pressure, sand amount evenly, delivery smooth6. It is the standard components of HEAD water jet	
Deionization system	<ol style="list-style-type: none">1. Professional deionization system for water jet use2. Remove the calcium and magnesium ion, can improve the useful life of HP seals, orifice3. The outlet water amount can be 2 ton/hour, can supply more than one machine4. Simple structure and reliable sealing, reasonable design of the flow passage5. Single tank control valve, no water pass the valve in washing	

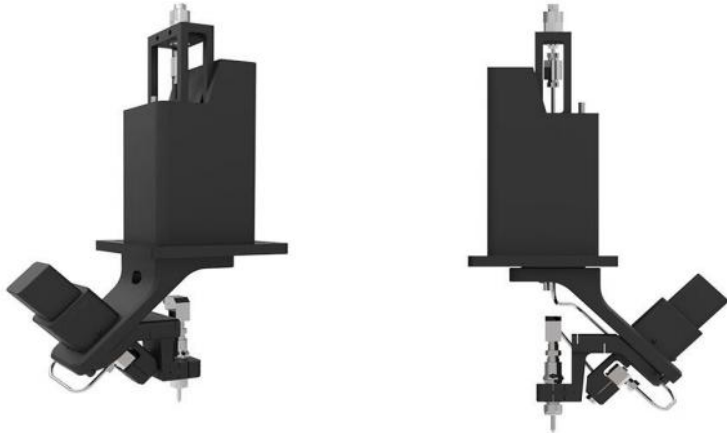


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<p>5 axis cutting head</p>	 <p>5 axis cutting head max tilting angle is 47 degree.</p>	<ol style="list-style-type: none">1. Bevel and chamfer.2. 3D cutting3. Dynamic piercing function4. Max cutting angle is 47 degree
<p>Floor loading system</p>	<p>The cutting table adapts latest loading design, the max overturn angle is 85, the distance between loading material and ground is only 100mm, max load-bearing is 1000KG, hydraulic lifting and some other designs can meet the requirement of marble cutting. The situation many persons are needed for loading material is changed, nowadays only 1 person is needed for the whole loading process. Simple, convenient, greatly reduce the labor cost and minimum the marble breakage. This cutting table structure is 1st time adapted in domestic. It gains high praise once used by lots of marble processing clients.</p>	