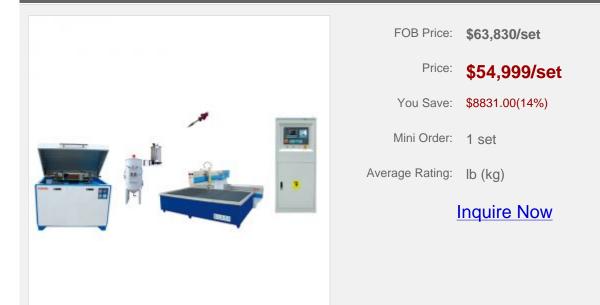


CNC Waterjet Cutter (High Configuration) 118" x 79" (3000mm x 2000mm)

Item Code: CNCR-SQ3020



Overview

Description:

The Waterjet cutting machine has five components: UHP pump, automatic abrasive delivery system, machine tool, CNC control system, and cutting head.

The multifunctional great performance Waterjet machines use cold supersonic abrasive erosion, to cut almost any material, both metal and non-metal. The highly pressurized water stream carries an abrasive garnet to etch away the material. Our machines have been exported to America, Russia, Oceania, Africa, Mid-east, and other parts of the world.

Applications:

This series of waterjet cutting machines have applied in different fields, such as: aviation, weapons, and sophisticated military affairs. It is also widely used in glass, machinery, stonetech, advertising, automotive. Specially designed for materials that cannot be cut by using heat. Maximum cutting thickness: can cut almost any non-metal or metal materials, except tempered glass. Aluminum: 5.9" (150mm), glass: 4.7" (120mm), steel plate: 3.9" (100mm), stainless steel: 3.1" (80mm).

Configuration Information of Waterjet Machine

| UHP System | | | |
|----------------------|-----------------------|-----------------|------------------------|
| Name | Brand | Place of origin | Remark |
| UHP intensifier | JET imported from USA | | Maximum v 400Mpa(60 |
| UHP reversing sensor | CONTRINEX | Switzerland | lt can bring |

| LP System | | | |
|-----------------------------------|---------|---------------------------|--------|
| Name | Brand | Place of origin | Remark |
| 3 Phase AC Motor, 37KV | Siemens | Proprietorship of Germany | |
| Displacement pump | REXROTH | Proprietorship of Germany | |
| Electro-hydraulic reversing valve | | Imported from Germany | |
| Eletromagnetic relief valve | REXROTH | Imported from Germany | |
| CNC System | | | |
| Name | Brand | Place of origin | Remark |
| Control system | Washing | China | |
| Program software | CNCKAD | Israel | |
| Servo motor | Yaskawa | Japan | |
| Servo drive | Yaskawa | | |
| Electric | | | |
| Name | Brand | Place of origin | Remark |
| PLC | Siemens | Germany | |
| Breaker | | | |
| Relay | | | |
| Fuse | | | |
| Power supply | | Japan | |
| AC contactor | OMRON | | |
| Temperature controller | | | |
| Proximity switch | | | |
| Thermal protection | | | |
| CNC Machine Tool | | | |

| Name | Brand | Place of origin | Remark |
|---------------------|-------|-----------------|--------|
| Ballscrew | ABBA | Taiwan of China | |
| Linear motion guide | | | |

Features:

. Waterjet machines generate no distortion, but may have hazing near the cut. No internal stress built-up.

. Waterjet cutters work well in non-conductive and conductive materials.

. Can pierce materials directly without other drilling equipment.

. Easy setup and rapid programming.

. Minimal fixing requirement.

. Waterjet cutters are able to compete, with other cutting devices that have good accuracy, fast setting-up, and cutting speed, and yields no HAZ.

. Waterjet machines cut five to ten times faster than EDM, when the media thickness is under 1".

. High light 8 LCD display. Feeding rate can achieve adjustment of magnification at any time.

. Via COM, USB interface and PC or U disk for interface directly.

. A hand-held machine tool controller is used to control the X, Y, Z axis, previously moved to the machine side by operator.

Cutting head: Consists of one HP control valve, HP water on/off valve (one set), one tee, one mixing chamber, one orifice mount, one nozzle, one diamond orifice.

| Nozzle size | Diamond orifice size | |
|---------------------------------------|----------------------|--|
| 0.25"×0.03"×3" (6.35×0.76×76.2mm) | 0.01" (0.254mm) | |
| 0.25"×0.04"×3" (6.35×1.016×76.2mm) | 0.01" (0.305mm) | |

CAM Software:

It is compatible with many international design software formats , such as ASC, IGS, DXF, DWG, STL, NFL, PRT, STEP, etc.

It has the function of a cutter with automatic radius compensation.

Automatic lead-in line insertion.

Automatic calculation of the cutting line length .

Automatic nesting interface.



| Marble | Metal | Glass | |
|--------|-------|-------|--|
| | | | |

Installation and Training:

We will dispatch two engineers to the users' company for installation and training. The user has to provide return tickets, accommodation, local transportation and meals. The installation and training are free of charge, and will take about 10 days. The user also needs to provide a translator, otherwise we will send one, and the user will pay the corresponding fee according to the standard of the engineer.

Samples

Details

| 5.9" (150mm) |
|---------------------------|
| 393.7" (10000mm)/min |
| 98.4"×59.1" (2500×1500mm) |
| Servo Motor |
| USB |
| |

Specifications

| Model | CNCR-SQ3020 |
|-----------------------------|------------------------|
| Cutting scope | 118"×79" (3000×2000mm) |
| Machine type | Cantilever style |
| System control | AC servo system |
| Running speed | 0-10m/min |
| Control accuracy | +/-0.002mm |
| Cutting accuracy | +/-0.1mm |
| Maximum pressure | 400Mpa(6000psi) |
| Motor power | 30KW |
| Max. flow rate of UHP water | 3.8L/in |
| Power supply | 380V, 50Hz |
| Certification | CE, SGS |
| Packaging | Packed by PE Film |

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| | 2ନ14.9b;(4950bg)ፅሀዘው መመው) www.sign-in-china.com 1763.7lb (800kg)(Water chiller) |
| Loading type | 20-feet open-top cabinets |