

# Waterjet cutting machine contains the following parts:

**Working platform**

**CNC Cabinet**

**High pressure system**

**Integrated high-precision cutting head**

**Sand Control Systems**



## **CT2040A/CT2040B/CT2040C working platform**

Working platform size: 2100mm\*4100mm

X-axis travel: 2000mm

Y-axis travel: 4000mm

Z-axis travel: 300mm

Water tanks: use of stainless steel.

Structure Type: Cantilever -type

Ball screw: with Taiwan IBB screw, enabling seamless movement, to ensure the smooth running machine

Repeat positioning accuracy:  $\pm 0.02\text{mm}$

Cutting precision:  $\pm 0.1\text{mm}$

Note:

CT2040A come with High pressure system of HP3040

CT2040B come with High pressure system of HP3740

CT2040C come with High pressure system of HP7540

## 2. CNC Cabinet

Digital Control Systems: made in Shanghai, control system

Auto-Nesting system: made in Changzhou (to be AUTOCAD exported. DXF files (or other program documents) automatically converted into a CNC machining process

Between the PC and the CNC serial communication

Cut in point and cut out point automatic control, automatic nesting capabilities, automatic calculation of cutting length and cutting processing costs such as processing time functions (fool operation, high degree of automation,)

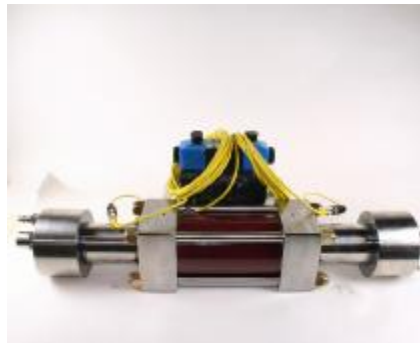
Drive power and motor: Taiwan's Far Eastern power AC servo drives and motors (Japan YASKAWA AC servo drive power and motor optional)

Power: 380VAC, 50Hz, three-phase five-wire system

Z-axis AC servo control movements



## 3. High pressure system (HP3040)



Model	HP3040	HP3740	HP7540
Drive system	Motor		
Pressure system	Intensifier		
Intensifier Qty.	1	1	2
Max. pressure	380MPa/55000psi	400MPa/60000psi	400MPa/60000psi
Max.flow rate	3.5L/min	3.7L/min	7.6L/min
Power	30kw	37kw	75kw
Pressurization rate	20:1	20:1	20:1
Oil pressure	0-20Mpa		
Oil type	Hydraulic oil 46# ( Environment 15-40° C)		
Power supply	220/380/415V-AC 3 Phase		
<b>CT2040A come with High pressure system of HP3040</b>			
<b>CT2040B come with High pressure system of HP3740</b>			
<b>CT2040C come with High pressure system of HP7540</b>			

**4. Integrated high-precision cutting head (With water switch, to prevent backwater, to prevent high-pressure water cuts the workpiece surface)**



## **5. Sand Control Systems**

Automatically controlled sand valves (precise control sand, greatly reducing the use of cost and avoid unnecessary waste)

Manually added sand material (with Automatic sand system can automatically send sand after the function)



# Cutting sample

## Cutting samples–Stainless steel



## Cutting samples-Steel plate



## Cutting samples-Aluminium



## Cutting samples-Marble and granite



## Cutting samples-Glass



## Cutting samples-Rubber and plastic

