HNC-3000XG
Gantry CNC Pipe Plate Cutting Machine

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HUAWEI WELDING & CUTTING

HUAWEI

The HNC-3000XG Gantry CNC Pipe Plate Cutting Machine is a modern cutting device controlled by digital program. It can cut out any plane graphics from various metal materials and in addition it is also able to be used to cut off circular tubes and cut out various shapes and intersecting line on round pipes. Also it has the characteristics of high degree of automation, high cutting precision, high material utilization rate and high production efficiency. With the advancement of Machinery&Electronics technology and computer technology, CNC cutting machine has attracted attention from more and more enterprises and becomes more and more popular in production thanks to its virtue of good man-machine dialogue operation interface, powerful auxiliary support function and relatively low equipment investment.

Application：
- Ship building
- Bridge
- Auto mobile
- Steel structure
- Petroleum
- Chemical and other industries

Product Features：

Steel Plate Flaming Cutting

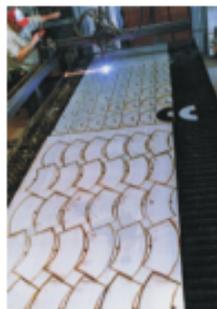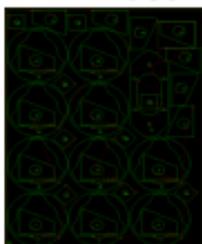Intersecting Line Flame Cutting

Steel Plate Plasma Cutting

Intersecting Line Plasma Cutting
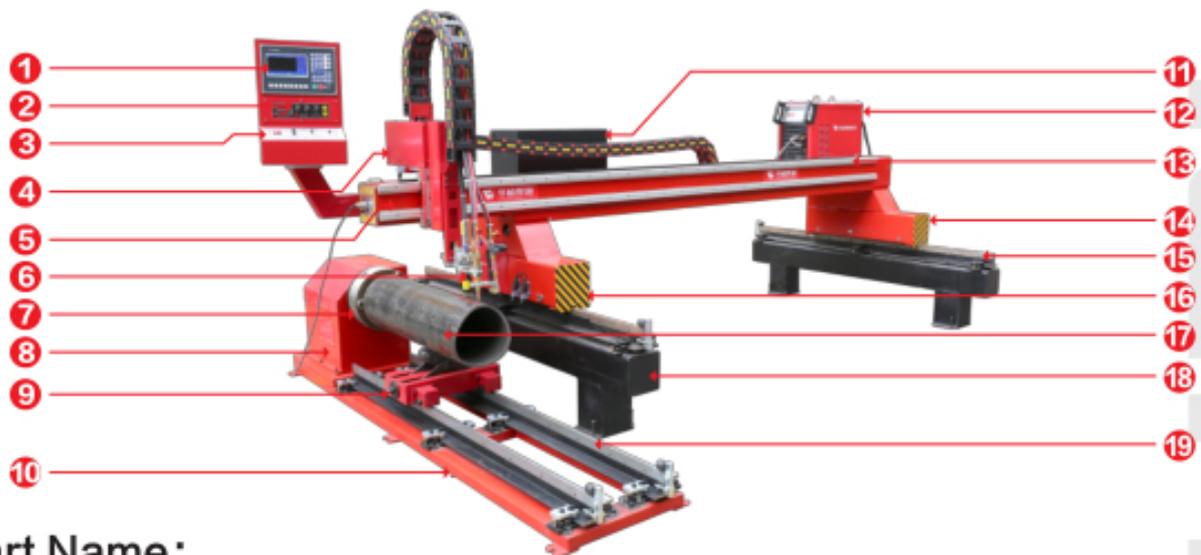
Methods of Intersecting Line Cutting:

Orthogonal Main Pipe Opening		Branch Pipe Cutting		Main Pipe Rectangle Channel Cutting	Oblique Crossing Main Pipe Opening	Multipipe Intersecting cutting	Pipe End cutting
Orthogonal Main Pipe Opening (Tee Saddle)	Orthogonal Main Pipe Eccentric Opening	Orthogonal Branch Pipe Pipe End Cutting	Oblique Crossing Eccentric Branch Pipe Cutting	Main Pipe Pipe Surface Rectangular Cutting	Oblique Crossing Main Pipe Pipe Surface Opening	Multi Branch Pipe Intersecting Cutting	Pipe End Vertical Cutting
Orthogonal Main Pipe Opening (interpolating)		Orthogonal Eccentric Branch Pipe Cutting	Oblique Crossing Eccentric Branch Pipe Cutting		Oblique Crossing Eccentric Main Pipe Opening	Pipe Ends Cutting	Pipe End Bevel Cutting

● The programming and nesting of the machine is simple and it can be used for manual programming of simple graphics or automatic programming of complex graphics through the free accompanying programming software. The software adopts interactive dialogue and realizes automatic conversion of graphic data without manual coding. The parts drawing drawn by AutoCAD or other drawing software will be directly saved as a DXF file after clearing and then be aligned by the programming software(FastCam). After the appropriate programming parameters are selected, the G code file required for cutting will be directly generated。

FastCAM®
The World Standard in Profiling Software

This software is a **dongle**
(not a USB, cannot be used for storage)

Part Name:

1. Control System
2. Automatic Height Controller
3. Control Panel
4. Lifting Device Assembly
5. Beam
6. Cutting Torch Assembly
7. Chuck
8. Swivel Head Base
9. Supporting Turning Roll
10. Guide Rail Base(not provided)
11. Electric Control Box
12. Plasma Power
13. Transeversal Guide Rail
14. Main End Frame
15. Longitudinal Guide Rail
16. Secondary End Frame
17. Circular Pipe(not provided)
18. Beam Support(not provided)
19. Model T114 Guide Rail

Main Technical Parameters:

Rated Input Voltage	AC 220V(50/60Hz)(AC110V is optional)
Rated Power	650W
Display Screen	7-inch LED screen
Language Selection	Chinese/English/French/Russian/ Spanish, etc.
Effective Cutting Range	2500 x5000mm (can be customized)
Walking Speed	Idle speed: 0~4000mm/min
Flame Cutting Speed	Cutting speed: 50~750mm/min
Oxygen Pressure	Oxygen ≤ 1.2Mpa
Optional Gas	Acetylene, propane, methane, natural gas
Gas Pressure	Maximum ≤ 0.15Mpa
Plasma Cutting Speed	Depending on the plasma
Length of the Transeveral Guide Rail	3000mm(can be customized)
Length of the Longitudinal Guide Rail (Standard Configuration)	6000mm(can be customized)
Controlled Axis Number	3 axis
Diameter of Cutting Pipe	$\phi 50 - \phi 320$mm
Length of Cutting Pipe	3000mm (can be customized)
Maximum Weight of Cutting Pipe	540Kg
Supporting Turning Rolls (Standard Configuration:3000mm)	2 × turning rolls (each for 37Kg)
Rotation Speed of Chuck	0-10r/min
Weight of CNC Pipe Plate Cutting Machine	415Kg
Weight of Intersecting Line Main Machine Body (Standard Configuration: 3000mm)	606Kg
Package Weight of Main Machine Body (including 6-meter main and auxiliary longitudinal guide rails and intersecting line main machine)	1275Kg
Package Size of Main Machine Body	4440 × 1190 × 1280mm
Model T114 Main and Auxiliary Longitudinal Guide Rails(Optional)	50Kg/m for extra guide rail
Longitudinal Drag Chain Slot and Longitudinal Drag Chain(Optional)	12Kg/m for extra longitudinal drag chain and its slot
Length of Guide Rail of Cutting Pipe	50Kg/m for extra guide rail