



Automatic LGK120 Plasma Cutting Machine 220V 380V 415V 440V

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2019.206.C3862
- Model Number: LGK120- 3015 6020
- Minimum Order Quantity: 1
- Price: negotiable
- Packaging Details: carton box
- Delivery Time: 90 days
- Payment Terms: L/C, T/T, D/P, D/A
- Supply Ability: 1 Set/Sets Every 15~35 days



Product Specification

- Product Name: Plasma Cutting Machine
- Cutting Method: Plasma / Flame
- Cutting Material: All Metal Sheet / Mild/High Carbon Steel
- CNC Control System: FangLing F2300B Controller
- Voltage: 220V/380V/415V/440V/customized
- Color: Customer Choose
- Electric Parts: France Schneider
- Motor Drive Mode: Japanese Panasonic Servo Motor And Driver
- Drive System: Dual Drive
- Drive Method: Rack And Pinion Drive
- Reducer: APKE Planetary Reducer
- After-sales Service Provided: Online Support Video Technical Support
- Lifting Travel: ≤ 170 Mm
- Max Travel Speed: 8000 Mm/min

GNGT-6020-LGK120

PLASMAS CUTTET

Low cost

High efficiency

Good precision



Genuo GNGT Plasma Cutting machine is a high efficiency, high precision multi-functional cutting machine. The machine frame adopts carbon steel welding structure, the whole annealing treatment, high precision, small volume inertia. X, Y and Z axes are processed with high precision to prevent deformation. Double drive transmission structure, equipped with high precision rack and special reducer. Cables, Panasonic servo motors or precision stepper motors provide high-torque AC power to ensure smooth operation at high speeds.

Powerful CNC cutting system and nesting software, with rich graphics, can be freely cut plane geometry, including vertical and horizontal slats, but also with automatic THC to adapt to the uneven metal plate.

The machine has a variety of beam sizes to increase the installation of cutting torches and improve cutting efficiency.

Thanks to the flexible assembly of heavy rail, the machine cutting length can be extended, and the low cost reduction enables the enterprise to maximize profits. Manufacturing metal cutting operation is simple and fast, good rigidity, high strength, stable operation.

Product Description



Gantry Frame

A structure that supports the plasma torch and ensures its accurate movement along the X and Y axes. High quality steel is used to ensure the stability of the machine.



Dual-axis Guide Rail

Responsible for the torch's movement along the X and Y axes, two sets of guides ensure consistent and accurate cutting, resistant to wear and tear for a long time.



Rack Drive

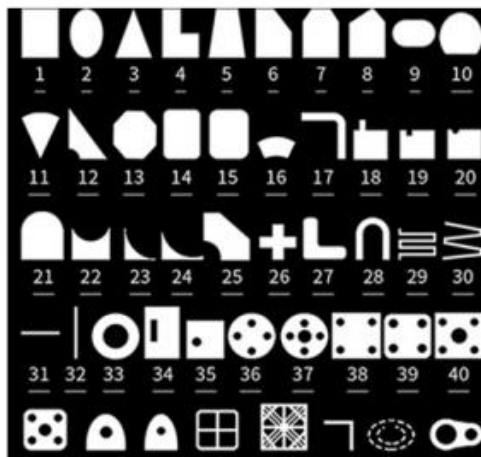
Responsible for converting the rotating motion of the motor into straight motion along the guide rail, ensuring accurate and consistent motion to provide high quality cutting.



Plasma and Flame Dual Use

The plasma cutting function is used to cut thinner metals, while the flame cutting function cuts thicker metals. The dual function ensures the versatility and efficiency of the cutting process.

Configuration function



CUTTING CUSTOMIZATION

1

The system has a total of 53 types of reference patterns for reference graphics, each of which can be arbitrarily edited in size and number of cuts.



Cut image type

CNC SYSTEM CONTROLLER

2

Operator input cutting parameters, responsible for managing machine speed, cutting height and other operations. Different brands CNC system for choice.





Precise positioning



OVERALL MACHINE FRAME

3

Genuo uses thick steel plate and high quality steel welded, typical gantry structure composition, high accuracy and rigidity.



Strong structure

ANTI-COLLISION DEVICE

4

Plasma anti-collision device and automatic ignition device, cutting at the same time, to ensure the safety of operators, improve efficiency.



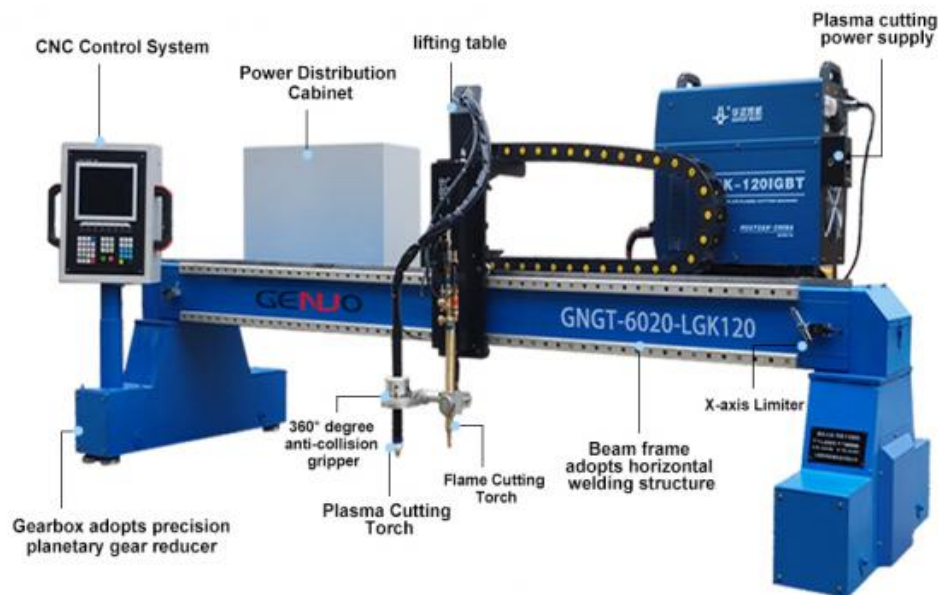
Use safety



Machine Features

Genuo GNPT Plasma cutting machine, which feature the ability to provide high-quality cuts with minimal thermal deformation, work by using a plasma torch to ionize gas, creating a high-speed plasma stream that melts and blows away metal. The machine can run at high speed, high cutting accuracy, up to $\pm 0.5\text{mm}$.

Plasma cutters are an essential tool in the metalworking industry, providing high quality cuts with minimal distortion and ensuring consistency and accuracy. In addition, the machine's versatility, speed and ease of use make it ideal for a variety of cutting applications.



STABLE PERFORMANCE



HIGH EFFICIENCY



YOUR BEST CHOICE

- Application Domain & Scenario -



- Packaging & transportation -



Technical Parameter

Model	GNGT-6020-LGK120		
Basic Information	Cutting Method	Plasma	Flame
	Machine Size	3650*8000 mm	
	Cutting Material	All metal sheet	Mild/High Carbon steel
	Cutting Size	2000*6000 mm	
	Cutting Thickness	According to Plasma source	6-200 mm
	Lifting Travel	≤170 mm	
	Max Travel Speed	8000 mm/min	

Configuration List	Running Accuracy	≤ 0.05mm	
	CNC Controller	FangLing F2300B Controller	
	Electric Parts	France Schneider	
	Auto Height control	FL1621	THC lift body
	Motor drive mode	Japanese Panasonic servo motor and driver	
	Drive system	Dual drive	
	Reducer	APKE Planetary reducer	
	Drive method	Rack and pinion drive	
	Gas pressure	0.4-0.7Mpa for normal plasma power	
External Supply	X,Y axis	High Quality Rack & Pinion and 24kg linear rail	
	Power	220V/380V(optional)	
	Cutting gas	Compressed air	Oxygen + Ethyne(Propane)
	Gas pressure	0.4-0.7MPa	Oxygen:0.5MPa Fuel gas:0.1MPa
Software	Graphic import method	USB	
	Programming software	AutoCAD(all dxf,dwg,CAM,NC files)	
	Nesting software	FastCAM	
Accessories	Torch	One set of Plasma torch	One set of Flame torch
	Consumables	10 sets of nozzles	3 Flame nozzles
	Dimension	3650*1600*1580mm	
Packing Information	Weight	2000kg	



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