

### 120mm/Min Plate And Tube Fiber Laser Cutting Machine 220V 380V 415V 440V

#### **Basic Information**

- Place of Origin:
- Brand Name: Certification:
- China genuo M.2020.206.C6366
- Model Number: PT-3015/4015/4020/6015/6020/6025/8025

1

negotiable

carton box

L/C, T/T, D/P, D/A

90 days

- Minimum Order Quantity:
- Price:
- · Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:

1 Set/Sets Every 15~35 days

Product Name:

**Product Specification** 

- Application:
- Laser Type:
- Laser Power:
- Voltage:
- Max Cutting Speed:
- X/Y Axis Positioning Accuracy:

- Laser Cutting Head:
- Linear Guide Brand:

- Fiber Laser Metal Cutting Machine Stainless Steel Metal Sheet Plate Laser Cut
- Fiber Laser
- 120mm/min
- Control System:
- Comtrol Software:
- Cooling Type:

- 1KW/1.5KW/2KW/3KW/6KW/12KW/15KW
- 220V/380V/415V/440V/customized

- . Laser Source:

- Electrical Components:

- - ≤±0.03 Mm/min
  - Cypcut Control
  - Genuo-Cypcut
    - WATER COOLING
  - Raycus/Max
  - WSX Or RayTools Laser Auto Focus
  - PMI Or HIWIN Guide Rail
  - German Schneider

#### GENUO



#### More Images





# **Laser Cutter**

# **VERSATILE GNPT Sheet&Tube Series**



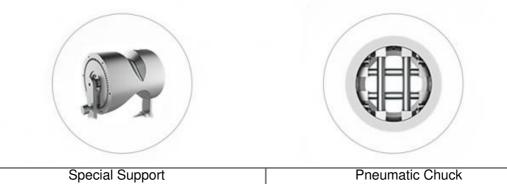


GENUO Versatile GNPT series plate and tube integrated laser cutting machine has multiple functions and can cut sheet metal and metal pipes. Thanks to GENUO's safe and reliable conversion of plate and tube cutting function, it has multiple functions, stable machining accuracy, efficient cutting ability, accurate positioning, and solves the cutting scheme of multiple types of workpieces. It can save more than 50% of space and bring higher production efficiency. It is a multifunctional laser cutting machine with high cost performance. 1KW ~ 6KW optional.

Standard Equipment	Optional Equipment
<ul> <li>Raycus or Max laser source</li> </ul>	✓ IPG or nLIGHT laser source
<ul> <li>WSX or RayTools laser cutting head</li> </ul>	
▼ Φ220 Auto pneumatic chuck	
<ul> <li>High strength stress relieved frame</li> </ul>	∨ Nodular Cast-iron integral frame
<ul> <li>Lightweight aviation aluminum beam</li> </ul>	
<ul> <li>Motovario planetary reducer</li> </ul>	
▼ YYC gear rack,HIWIN guide rail	
<ul> <li>Hanli water cooling system</li> </ul>	
<ul> <li>Automatic lubrication system</li> </ul>	

### **Configuration Details**

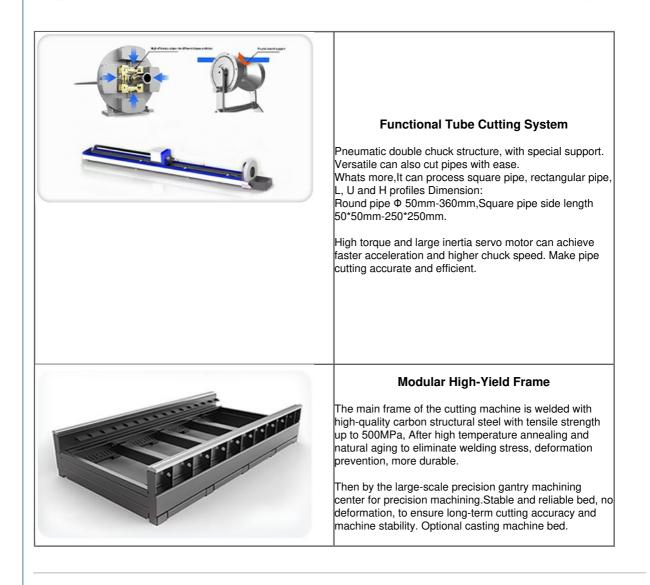
Tube sheet integrated cutting, easy to exchange, can not only cut flat plate, but also meet the needs of users to cut round tube, square tube and forming box.



Avoid sagging and deformation of pipes, improve cutting accuracy and prolong the service life of chuc

Pneumatic Chuck Pneumatic clamping opening large and constant clamping force, no looseness and slipof heavy pipe,so as to ensure cutting accuracy

## Structural Advantages



# Main Accessories





Advanced Laser Generator	Intelligent Cutting CNC Control
Standard configuration of stable and efficient Raycus or	The whole series of laser cutting machines are equipped
MAX laser generator.Modular design, highly integrated	with CypCut laser cutting control software or HypCut ultra-
system, free from maintenance, high reliability.	high power laser cutting control software.With high
	accuracy visual positioning system and integrated CNC
The laser power is continuously adjustable, with high beam	system successively.
quality and high laser stability. It is an ideal laser source for	
laser fine cut, precision welding and other applications.	It is easy to use and has powerful functions, which can
Compared with other similar lasers in the market, our laser	meet and apply to various processing occasions. In
has obvious advantages.	addition, it has WiFi remote control function. Escort your
-	machine wherever it is used.Optional Germany PA8000,
Optional IPG and nLIGHT Laser.	Siemens CNC cutting system





Aviation Aluminum Beam	Exactly Matched Laser Head
The crossbeam is made of aviation grade aluminum, which	All Genuo laser cutting machines are standard equipped
is processed by extrusion molding process and heat aging	with WXS or Raytools auto-focusing laser cutting
process, which makes the whole machine rigid and has	heads.The cutiing heads have a built-in motor drive unit,
excellent surface quality and good toughness.	which drives the focusing lens through a linear mechanism
	to change position automatically.
The light weight and high rigidity of the crossbeam ensure	
the high-speed movement during laser processing.	Customers can set the program to achieve continuous
	focus that completing the rapid piercing and cutting
At the same time, it has perfect dynamic performance and	material with different thickness. The design of water-
meets the accuracy. With long service life, it can keep the	cooled structure allows laser heads to work stably and
shape unchanged to the greatest extent, so as to ensure the	chronically.Optional PRECITEC and Lasermech laser
cutting accuracy and product quality.	cutting heads.



## **Optional Installation**





Power Stabilizer	Dust Collector
Unstable voltage can cause mortal injury or equipment	The harmful smoke and dust produced by laser cutting is
malfunction, affect production, cause delivery delays, and unstable quality.	very harmful to human health and the core components of the machine.
At the same time, it accelerates the aging of the equipment, affects the service life and even burns the parts, so that the owner is faced with the problem of repairing or having to update the equipment in a short period of time, wasting resources; In severe cases, even security incidents can	Therefore, it is urgent to choose a waste gas treatment method. The smoke and dust enter the internal filtering system of the equipment through the smoking pipe and are discharged locally.
occur, causing incommensurable losses. Therefore, Therefore.	The filtering system is composed of physical and chemical multi-level filtering system, and the purification rate is up to 99%. It can not only remove smoke, but also eliminate
If your factory voltage fluctuates greatly or is unstable, it is necessary to use a voltage Stabilizer.	pungent odor. This kind of equipment is specially used for the purification of smoke and dust of laser machine.



#### Air Compression System

Special for laser cutting, it adopts integrated air compressor, air receiver, cold dryer, filter element, direct connection low resistance design. Sufficient flow, giving play to better cutting performance.

The side exhaust air is designed to dissipate heat and is not easy to accumulate dust.

Automatic and manual dual blowdown design to remove residual substances.

Four stage filtration, YUKA brand, filter. Front mounted black oil mist filter, with good water and oil removal effect. The filtration precision of over setting oil and water removal can reach 0. 01PPM.





The cutting machine adopts international famous brand advanced laser, which has high electro-optical efficiency, water-saving and power-saving. Especially important, it can be free of maintenance for a long time, save a lot of maintenance funds and time, and improve work efficiency.

The overall main frame adopts gantry structure worktable. The high damping bed has good rigidity, high precision and stable operation. The frame structure is made of high-quality steel honeycomb welding. The machine tool is annealed, twice aged and processed by large-scale gantry milling machine. These design and processing means ensure that the machine tool has excellent seismic resistance, high rigidity and stability. It fully meets the stability requirements of the machine tool in high-speed motion.

The high precision double side rack and pinion drive and linear guide rail are adopted, and the powerful dual drive servo motor drive system is used to effectively ensure the speed and accuracy of laser cutting. Also can choose the exchange type worktable, the failure rate is extremely low, the exchange time is short, greatly improves the production efficiency.

#### **Cutting Ability**

GENUO laser cutting machine has powerful cutting ability, "flying" cutting speed, ultra-high stability, high quality processing, extremely low operating cost and ultra-high adaptability.



#### **Technical Parameter**

Model	GNPT-3015	GNPT-4020	GNPT-6020	GNPT-6025
Cutting range	3000*1500mm	4000*2000mm	6000*2000mm	6000*2500mm
Pipe cutting length	6000mm	6000mm	6000mm	6000mm

Chuck diameter	160/220/320mm	160/220/320mm	160/220/320mm	160/220/320mm
Laser power	1000W~6000W	1000W~6000W	1000W~6000W	1000W~6000W
Max. positioning acceleration	15 M/S2	15 M/S2	15 M/S2	15 M/S2
Positioning accuracy	±0.03 mm	±0.03 mm	±0.03 mm	±0.03 mm
Reposition accuracy	±0.02 mm / m			
	·	•		



# GENUO Maanshan Genuo Machinery Manufacturing Co., Ltd.

O086 555 7168598 Sales@genuogroup.com

genuocnc.com

Wanda Center 1116, Yushan District, Maanshan, Anhui, China 243000