

## Power GNET Series Exchange Table Fiber CNC Laser Cutting Machine CNC Fiber Laser

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2020.206.C6366
- Model Number: GNET-3015/4015/4020/6015/6020/8025
- 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: Metal Sheet Fiber Laser Cutting Machine
- Machine Application: Metal Sheet Steel Plate Laser Cut
- Laser Power: 1KW/1.5KW/2KW/3KW/4KW/6KW/8KW/12KW
- Product Voltage: 220V/380V/415V/440V/customized
- Laser Control System: Cypcut Controller
- Machine Laser Source: Raycus/Max Laser Source
- Linear Guide Brand: HIWIN Guide Rail
- Machine Electrical Components: German Schneider Electrical
- Operation Mode: Continuous Wave Operation Mode
- Machine Color: Customer Choose Machine Color
- After-sales Service Provided: Online Support
- Machine Core Selling Point: High Safety /environmental Protection
- Machine Value-added Services: Presented Two Years Warranty



## Power GNET Series Exchange Table Fiber Cnc Laser Cutting Machine With CE Certification

### → Product Introduction:

Genuo Power GNET series fiber laser cutting machine with double motor fast and stable drive and double exchange worktable. The two tables can work independently without affecting each other. The feeding time is greatly saved.

With the cooperation of super high-quality high-power laser and transmission system, it has excellent cutting performance and accuracy. Extremely high cutting efficiency, maximize value creation and reduce cost. The closed cutting area can well avoid the possible harm to human body caused by laser and smoke during operation. Partition ventilation system and dust collection device ensure the cleanness of the environment. 3KW ~ 12KW optional.

Widely used in sheet metal processing, advertising sign word production, high and low voltage electrical cabinet production, mechanical parts, kitchenware, automobile, machinery, metal crafts, saw blade, electrical parts, glasses industry, spring, circuit board, electric kettle, medical microelectronics, hardware, knife measuring tools and other industries.

### → Advantages of Genuo :

1. Whatsmore, We have professional technology, advanced processing equipment, scientific quality management, continuously improving production capacity and creativity, which lay a solid foundation for the sustainable development of our company.
2. GENUO provides a variety of tooling solutions to meet your different production needs. Not only that, we are also experts in the field of bending tools. If you have any special bend, our engineers will customize special tools for each workpiece.
3. We are an ODM and OEM company that can produce machines according to the specifications, designs, and customer requirements of world-renowned brands.

### → Machine operation details :

Laser cutting machine at work, if the failure is very dangerous, novice must be trained by professionals to operate independently, according to the experience summed up the laser cutting machine safety work of 13 details:

1. Comply with general cutting machine safety operating procedures. Start the laser in strict accordance with the laser start-up procedure.
2. The operator must be trained, familiar with the structure and performance of the equipment, and master the knowledge of the operating system.
3. According to the regulations, wear labor protection supplies, and wear protective glasses that meet the regulations near the laser beam.
4. Do not process a material before it is clear whether it can be irradiated or heated with a laser to avoid the potential danger of smoke and steam.
5. When the equipment is in operation, the operator shall not leave the post without permission or ask someone to wait for the tube. If it is really necessary to leave, the machine should stop or cut off the power switch.

Standard Equipment	Optional Equipment
▼ Raycus or Max laser source	▽ IPG or nLIGHT laser source
▼ WSX or RayTools laser cutting head	▽ PRECITEC laser cutting head
▼ GENUO-Cypcut control software	▽ Beckhoff CNC control system
▼ High strength stress relieved frame	▽ Nodular Cast-iron integral frame
▼ Lightweight aviation aluminum beam	▽ Dust collector system
▼ Motovario planetary reducer	▽ Alpha planetary reducer
▼ YYC gear rack, HIWIN guide rail	▽ Atlanta gear rack, Rexroth rail
▼ Hanli water cooling system	▽ Power regulator Device
▼ Automatic lubrication system	▽ Air compression system

# LASER CUTTER

High laser power,  
easy to handle sheet  
metal of different thickness



Aviation Aluminum Beam is  
light weight and high rigidity



Fully enclosed shell design,  
safety and environmental  
protection.



**Modular High-Yield Frame,**  
welded from high-quality  
carbon structural steel



**High Strength Heavy Frame**  
Stable and reliable bed, no deformation  
Optional casting machine bed.



**High Precision Transmission  
Parts** make the machine  
run smoothly.

## Main Accessories



### Advanced Laser Generator

Standard configuration of stable and efficient Raycus, MAX or GW laser source. Modular design, highly integrated system, free from maintenance, high reliability. The laser power is continuously adjustable, with high beam quality and high laser stability. It is an ideal laser source for laser fine cutting, precision welding and other applications. Compared with other similar lasers in the market, our laser has obvious advantages. Optional IPG and nLIGHT Laser.



### Intelligent Cutting CNC Control

The whole series of laser cutting machines are equipped with CypCut laser cutting control software or HypCut ultra-high power laser cutting control software. With high accuracy visual positioning system and integrated CNC system successively. It is easy to use and has powerful functions, which can meet and apply to various processing occasions. In addition, it has WiFi remote control function. Escort your machine wherever it is used. Optional Germany PA8000, Siemens CNC cutting system.



### Exactly Matched Laser Head

All Genuo laser cutting machines are standard equipped with WXS or Raytools auto-focusing laser cutting heads. The cutting heads have a built-in motor drive unit, which drives the focusing lens through a linear mechanism to change position automatically. Customers can set the program to achieve continuous focus that completing the rapid piercing and cutting material with different thickness. The design of water-cooled structure allows laser heads to work stably and chronically. Optional PRECITEC and Lasermach laser cutting heads.

## Features & Advantages

## Features & Advantages

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.



Aluminium alloy



ironwork



Stainless steel



Plate metal

Compared with the traditional oxy-acetylene, plasma and other cutting processes, laser cutting speed, narrow slit, small heat-affected zone, slit edge perpendicularity, smooth cutting edge, while laser cutting materials, including carbon steel, stainless steel, alloy steel, wood, plastic, rubber, cloth, quartz, ceramics, glass, composite materials and so on. With the rapid development of market economy and the rapid development of science and technology, laser cutting technology has been widely used in automotive, machinery, electricity, hardware and electrical appliances and other fields. In recent years, laser cutting technology is developing at an unprecedented rate, growing at a rate of 15% to 20% every year. Therefore, in the mechanical market at home and abroad, laser cutting technology has broad development prospects and huge application space.

Laser cutting is achieved by using the high power density energy generated by laser focusing. Under the control of the computer, the laser is discharged through the pulse, so as to output the controlled pulsed laser with repeated high frequency, forming a beam with a certain frequency and a certain pulse width. The pulsed laser beam is conducted and reflected through the optical path, and is focused on the surface of the processed object through the focusing lens group, forming a fine, high energy density spot, and the focal spot is near the surface to be processed. Melt or vaporize the processed material at instantaneous high temperatures. Each high-energy laser pulse instantly sputtered a small hole on the surface of the object, under the control of the computer, the laser processing head and the processed material according to the pre-drawn graphics for continuous relative motion dot, the object processed into the desired shape.

## Optional Configuration



Power Stabilizer

Used when the plant voltage fluctuates greatly or is unstable.



Dust Collector

Equipment for laser dust removal and odor purification



Air Compression System

Integrated air compressor design, automatic and manual dual blowdown.

→ **Technical Parameter:**

GNET-3015	GNET-4015	GNET-4020	GNET-6015	GNET-6020	GNET-6025	GNET-8025	GNET-12025

3000*1500m m	4000*1500m m	4000*2000m m	6000*1500m m	6000*2000m m	6000*2500m m	8000*2500m m	12000*2500mm
1500mm	1500mm	2000mm	1500mm	2000mm	2500mm	2500mm	2500mm
3000mm	4000mm	4000mm	6000mm	6000mm	6300mm	8000mm	12000mm
250mm	250mm	250mm	250mm	250mm	250mm	250mm	250mm
1000W/1500W/2000W/3000W/4000W/6000W/8000W/12000W/15000W/20000W/Other							
$\leq \pm 0.03 \text{ mm / min}$							
$\leq \pm 0.02 \text{ mm / min}$							
120 m / min							



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