

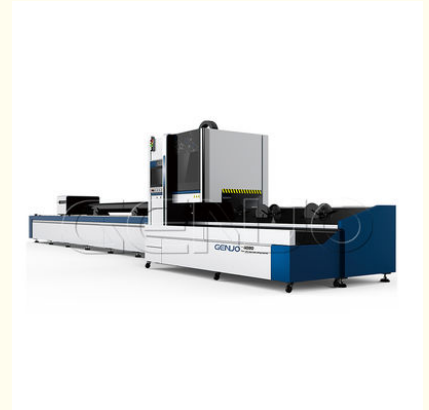


1000W-6000W Automatic Tube Fiber Laser Cutting Machine Fully Automatic

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2020.206.C6366
- Model Number: AT-6022/6036/6050
- 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: Fiber Laser Metal Cutting Machine
- Application: Stainless Steel Metal Sheet Tuber Laser Cut
- Laser Type: Fiber Laser
- Laser Power: 1000W~6000W
- Voltage: 220V/380V/415V/440V/customized
- Control System: Cypcut Control
- Control Software: Genuo-Cypcut
- Cooling Type: WATER COOLING
- Laser Source: Raycus/Max
- Laser Cutting Head: WSX Or RayTools Laser Auto Focus
- Linear Guide Brand: PMI Or HIWIN Guide Rail
- Electrical Components: German Schneider
- Moderator: Motovario Reducer
- Servo And Drive: FUJI
- Operation Mode: Continuous Wave

Laser Cutter

CYCLONE GNAT Tube Series

- DESIGNED FOR TUBE
- POWERFUL CAPABILITY
- FAST AND ACCURATE



Genuo Cyclone GNAT series automatic laser pipe cutting machine, aiming at the needs of customers in the profile and pipe cutting market, can meet the cutting, opening and contour cutting of round pipe, square pipe, rectangular pipe, U-groove, H-shaped steel, special-shaped pipe and other pipe profiles made of carbon steel, stainless steel and aluminum alloy. The cutting, opening and contour cutting of profiles such as profile cutting pipe, front and rear pneumatic double chuck clamping design, automatic adjustment of center, and can process super large diameter pipes; Zero tailing cutting can save material and worry. The powerful multi-point floating intelligent support ensures the high precision, high speed and low loss of pipe cutting. 2kW ~ 4kw optional.

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	▽ Automatic tube feeding system
▼ Φ220 Auto pneumatic chuck	▽ Φ350 Auto pneumatic chuck
▼ 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

Configuration Details

The special pipe laser cutting machine consists of 7 axes
 It can realize the cutting of round, square, rectangular and elliptical pipes
 It can realize the one-time forming and processing of 6-meter pipe, and can be equipped with 9-meter and 12-meter pipe cutting machines with different pipe lengths and diameters.
 The equipment is matched with feeding shaft and pulling shaft, which can greatly reduce the waste of processing tailings
 It can cut multiple pipes with different directions and diameters on the main pipe
 It can cut variable angle groove surface
 It is known as pipe cutting machine and material expert in the industry.

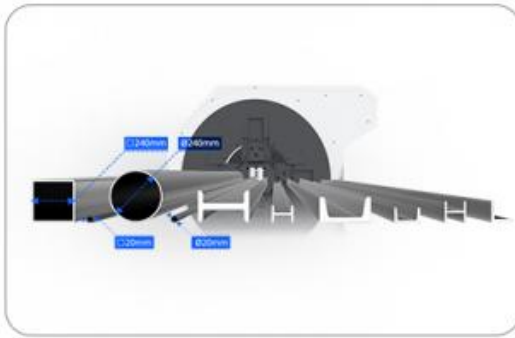


Front Pneumatic Chuck	Rear Pneumatic Chuck	Special Support
Intelligently detect the jaw status and easily obtain pipe data.	Automatically match the appropriate air pressure and adjust the clamping force.	Avoid sagging and deformation of pipes, improve cutting accuracy.

Main Accessories



Advanced Laser Generator	Intelligent Cutting CNC Control
<p>Standard configuration of stable and efficient Raycus or MAX laser generator. Modular design, highly integrated system, free from maintenance, high reliability.</p> <p>The laser power is continuously adjustable, with high beam quality and high laser stability. It is an ideal laser source for laser fine cut, precision welding and other applications. Compared with other similar lasers in the market, our laser has obvious advantages.</p> <p>Optional IPG and nLIGHT Laser.</p>	<p>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.</p> <p>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</p>



Powerful Clamping System

The multi-functional chuck gives GENUO tube cutting machine a wide range of processing capabilities. It can process round pipe, square pipe, rectangular pipe, L, U and H profiles Dimension: round pipe Φ 50mm-360mm, square pipe side length 50*50mm-250*250mm.

High torque and large inertia servo motor can achieve faster acceleration and higher chuck speed. Make pipe cutting accurate and efficient.

High Strength Heavy Frame

Machine bframe welded with high-quality carbon structural steel with tensile strength up to 500MPa, After high temperature annealing and natural aging to eliminate welding stress, deformation prevention, more durable.

Then by the large-scale precision gantry machining center for precision machining. Stable and reliable bed, no deformation, to ensure long-term cutting accuracy and machine stability.



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 Lasermech laser cutting



High Precision Transmission Parts

Special Japanese SHIMPO or French Motovario flange reducer, precision rack and pinion, silent linear guide. Connect the lathe bed and the cutting part precisely.

Let the machine run in a very smooth and efficient way. With the automatic lubrication system, the maintenance of mechanical parts is greatly reduced.

Optional Atlanta reducer, rack and pinion.



Superior Quality Electrical Components

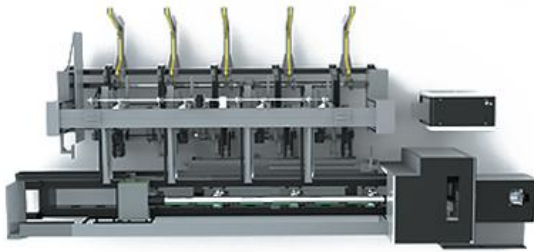
The machine adopts Japanese Fuji or Panasonic servo motor and drive up to 6000r / min.

Powerful torque and power greatly improve the cutting efficiency. At the same time, it has extremely accurate positioning accuracy and long service life.

The main electrical accessories are Schneider and Siemens, reasonable line connection and optimization. Ensure a very low failure rate.

Optional Yaskawa servo motor and drive.

Optional Installation



Automatic Feeding System

Saving labor cost .

With semi-automatic or full-automatic loading and unloading system, reduce the dependence on labor, reduce the labor intensity of the operator, make the pipe cutting so easy.



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.



Power Stabilizer

Unstable voltage can cause mortal injury or equipment malfunction, affect production, cause delivery delays, and unstable quality.

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 occur, causing incommensurable losses. Therefore, Therefore. If your factory voltage fluctuates greatly or is unstable, it is necessary to use a voltage Stabilizer.

Features



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.

Five Advantages

LIGHTNING PIERCING

FOLLOW UP STABILITY

OPTIMIZE CUTTING PROCESS

CONTINUOUS PERFORATION

STABLE AND EFFICIENT



Technical Parameter

Model	GNAT-6022	GNAT-6035
Pipe cutting length	6000mm	6000mm
Chuck diameter	220mm	350mm
Laser power	1000W~6000W	1000W~6000W
Max. positioning acceleration	10 M/S ²	10 M/S ²
Positioning accuracy	±0.03 mm	±0.03 mm
Reposition accuracy	±0.02 mm/m	±0.02 mm/m
Rotation axis speed	80rpm	80rpm



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