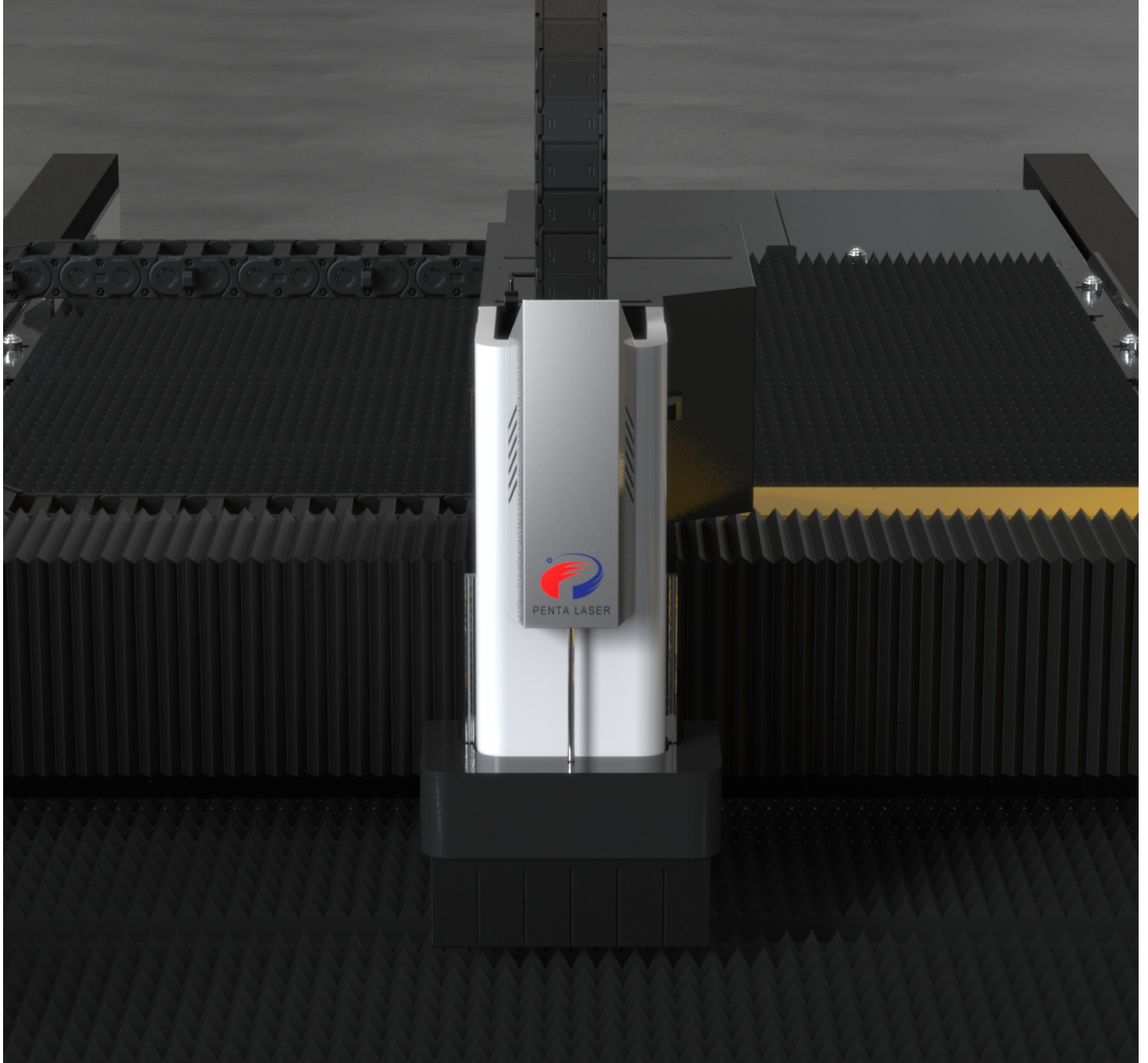


European Technology High-End Quality
www.pentalaser.com



AWING V 10030

AWING V 10030 High power laser cutting technology solution

Technical solution number: PENTALASER-AWING V-20250616-2



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1.1 PENTA LASER Introduction

Found in 2007, PENTA LASER is a group company specializing in the R&D, manufacturing and sales of laser cutting and welding machines. Headquartered in Wenzhou Economic and Technological Development Zone, Zhejiang Province, it has four manufacturing bases in Wuhan, Wenzhou, Linyi, and Florence (Italy). At present, there are 960 employees (including about 100 Italian employees, and the plant area covers more than 100,000 m². PENTA Group has more than 5,000 customers in China, among which large enterprise groups such as CRRC, CIMC, SANY Heavy Industry, Zoomlion, XCMG, and Shandong Heavy Industry Group use our laser products in large quantities.



Florence



Wenzhou



Wuhan



Linyi

200+

R&D Teams

500+

Technical Patents

4

R&D Platforms

- Zhejiang Enterprise Research Institute
- Zhejiang Enterprise Technology Center
- Zhejiang Engineering Research Center
- Zhejiang Laser Intelligent Equipment Technology Innovation Center

5

Globally Unique

- Laser high-efficiency and precision manufacturing technology and equipment for complex components won the First Prize of Scientific and Technological Progress in Zhejiang Province
- 20kW laser cutting machine was selected as the First Unit (Set) of National Major Technical Equipment
- 30kW laser cutting machine won the title of the First Unit (Set) of International Major Equipment
- 40kW linear motor laser cutting machine was listed in the National Major Equipment Invention Patent
- 60kW laser cutting machine was the First designed and developed, installed at the customer's factory, and exported to other countries in the world



R&D Center of EL.EN Group Italy Headquarters

1.2 Italian Parent Company - EL. EN Group

Founded in Florence in 1981, EL.EN. has installed more than 12,000 laser machines in 40 countries around the world, including more than 2,000 machines equipped with high-power lasers. It is one of the outstanding enterprises in the global laser industry.

In 1983, developed and applied the first CO₂ laser to the medical industry. The laser is equipped with switching power supply;

In 1992, established Cutlite Penta S.r.l, which is mainly responsible for the production of industrial cutting systems. These systems are equipped with medium- and high-power lasers developed and produced by EL.EN;

In 1993, acquired the assets of Laser Valivre Sorgentie Sistemi's, and owned the Valivre brand and the leading laser in Europe;

In 1996, developed and applied the Compact 2,200W CO₂ laser to the industrial field;

In 2000, listed in Milan;

In 2007, established PENTA Chutian Laser (Wuhan) Co., Ltd. jointly with Chutian Laser Group, the largest laser industry group in China;

In 2012, invested and established PENTA LASER (Zhejiang) Co., Ltd. in Wenzhou.



1.3 Operation Network

INDUSTRIAL DIVISION OF



Global PENTA



Headquartered in Wenzhou City, Zhejiang Province, PENTALASER has service centers in more than 50 cities including Beijing, Shanghai, Guangzhou, and Chengdu. Its international R&D headquarters are located in Florence, Italy, with service offices in Germany, Australia, Brazil, South Africa, Russia, India, Korea, and other countries.



1.4 Enterprise Vision



PENTA LASER

**Become an Expert in Laser
Application
Create Value for Customers!**

1.5 Honors



Honors of PENTA LASER

National High-Tech Enterprise

First Export Brand of China Laser Cutting Machine

Deputy Director Unit of Laser Processing Committee of Chinese Optical Society

Wenzhou Model Worker Collective

Backbone Supporting Enterprise of High-Speed Rail And Launch Vehicle Manufacturing

Unit of Technical Committee on Optical Radiation Laser Equipment of Standardization Administration of China

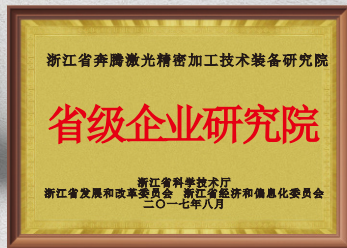
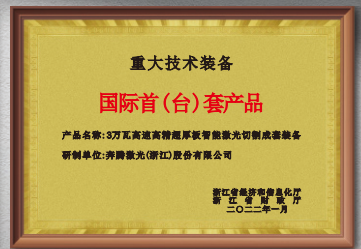
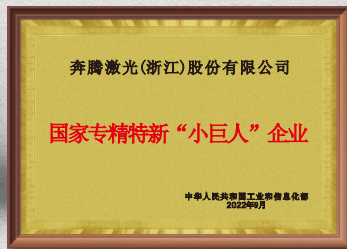
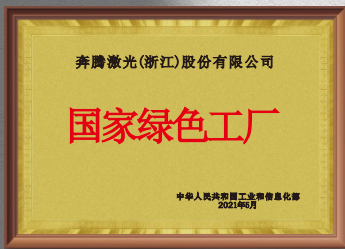
President Unit of Wenzhou Laser Association

Zhejiang High-tech Enterprise Research Institute

No. 1 Market Share of Laser Cutting Machines above 6KW in China

President Unit of Hubei Laser Industry Association

First 8kW, 10kW, 12kW, 20kW, 30kW, 40kW and 60kW Laser Cutting Machine Development Enterprise in China



1.5 Honors (Examples)



1.6 Typical Customers (Examples)



2.1 Machine Model

AWING V 10030

AWING V 10030 Power Range 30000W

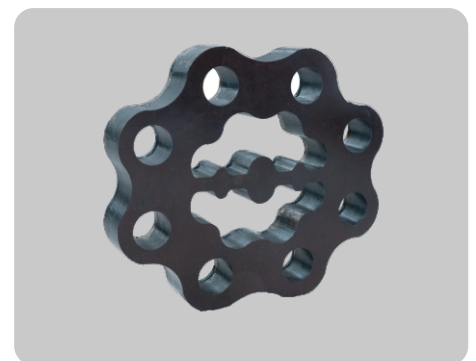
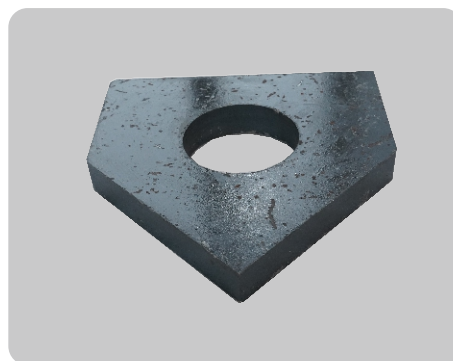
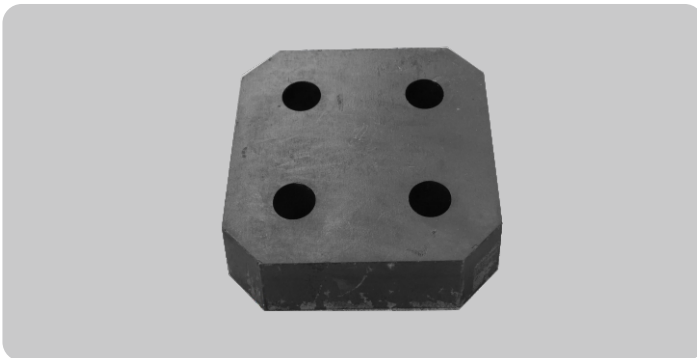


(The figure is for reference only, and the appearance and dimensions are subject to the actual output equipment.)

2.2 Use

AWING V 10030 is Mainly for cutting metallic material such as mild steel, stainless steel, aluminum alloy ,titanium alloy , high temperature alloy etc.

2.3 Cutting Samples



2.4 Cutting parameter table

Material	Thickness(mm)	12000W Speed(m/min)	20000W Speed(m/min)	30000W Speed(m/min)
carbon steel MS (O2)	1	9.5-10.5	9.5-10.5	9.5-10
	2	5.5-6.5	5.5-6.5	5.5-6.5
	3	3.8-4.2	4-4.2	3.8-4.5
	4	3.3-3.8	3.6-3.8	3.5-3.9
	5	3-3.4	3.2-3.7	3.2-3.5
	6	2.9-3.2	3.0-3.3	2.9-3.2
	8	2.5-2.7	2.4-2.8	2.5-2.8
	10	2.1-2.4	2.1-2.5	2-2.3/3.2-3.5
	12	1.8-2.2	1.9-2.2	1.8-2/3-3.2
	14	1.8-2.0	1.8-2.0	1.6-1.9/2.8-3.1
	16	1.6-1.8	1.6-1.8	1.6-1.8/2.7-3.2
	20	1.2-1.5	1.3-1.5	1.5-1.6/2.6-2.8
	25	1.0-1.2	1.2-1.3	1.2-1.4/2.4-2.8
	30	0.4-0.5	1.0-1.2	1.1-1.3/2.2-2.6
	40	0.2-0.3	0.5-0.9	0.7-1.0/1-1.4
	50		0.2-0.55	0.3-0.8/0.8-1
	60		0.13-0.17	0.2-0.6
70		0.1-0.13	0.18-0.4	
carbon steel MS (N2)	1	50-60	50-60	50-60
	2	25-30	35-40	35-40
	3	20-25	32-35	32-35
	4	22-25	27-30	27-32
	5	16-20	25-27	23-25
	6	2.9-3.2	20-22	19-21
	8	8-9	12-15	14-18
	10	6-7	10-12	12-16
	12	4.5-5	8.5-9	8.5-10
	14	3-3.5	6.5-7	7.5-9.5
	16		4.8-5.5	6-9.3
	18		3.2-3.8	5-8.8
	20		2.8-3.2	3.5-6.7
	carbon steel MS (AIR)	1	50-60	50-60
2		25-30	35-40	35-40
3		20-25	32-35	32-35
5		20-22	23-25	25-27
6		16-18	19-21	20-22
8		10-12	12-15	14-17
10		6-7	9.5-11	10-13
12		4.5-5.5	7-8	8.5-10
14			5-5.5	7.5-8.5
16			4.2-4.5	6.5-7.5
18			2.8-3.2	5.0-6.0
20			2.5-2.8	4-4.8

Material	Thickness(mm)	12000W Speed(m/min)	20000W Speed(m/min)	30000W Speed(m/min)
Stainless steel SS (N2)	1	50-60	50-60	50-60
	2	25-30	35-41	35-40
	3	24-26	30-35	30-35
	4	23-26	30-32	30-32
	5	18-20	24-28	24-28
	6	11-13	23-25	23-25
	8	9.5-10.5	14-17	14-17
	10	6.5-7	10-13	12-15
	12	5.0-5.5	7-8.5	9-11
	14	4-4.5	6.5-7.6	7.5-9.5
	16	2.5-3	5-6	6-9.3
	18	1.5-1.8	3-3.6	4.5-8.8
	20	1.4-1.6	2.5-3.2	3.5-6.7
	25	0.9-1.1	1.4-1.8	2.5-4.8
	30	0.4-0.5	0.9-1.2	1.5-2.6
	40	0.2-0.3	0.18-0.5	0.7-1.7
	50		0.15-0.2	0.5-1.1
60		0.1-0.12	0.3-0.7	
70		0.08-0.1	0.15-0.25	
Stainless steel SS(AIR)	1	50-60	50-60	50-60
	2	25-30	38-42	35-40
	3	25-28	32-35	30-35
	4	20-25	27-30	30-33
	5	18-20	25-27	25-28
	6	13-15	20-22	21-23
	8	10-12	12-15	12-15
	10	6-7	10-12	9-11
	12	5.5-6	8.5-9	9-10
	14	3.5-4	6.5-7	7.5-9.5
	16	2.8-3.2	5.5-6.5	6.5-9
	18	2-2.5	3.8-4	4.5-6
	20	1.5-1.8	3-3.5	3.5-6
	25	1-1.2	2-2.5	2.5-5
	30	0.8-0.9	1.3-1.7	1.6-2.3
	40		0.8-1	0.9-1.3
	50		0.4-0.6	0.4-0.8
60		0.15-0.2	0.15-0.4	
70		0.1-0.15	0.12-0.3	

Material	Thickness(mm)	12000W Speed(m/min)	20000W Speed(m/min)	30000W Speed(m/min)
aluminium alloy AL(N2)	1	40-50	55-60	55-60
	2	25-30	40-50	35-40
	3	20-25	40-50	32-35
	4	26-29	45-50	45-50
	5	15-17	35-38	35-38
	6	12-14	22-25	22-25
	8	7.5-8.5	12-15	12-15
	10	4-4.5	9.5-10	10-13
	12	3.5-4	6.2-7	6.5-8
	14	2.5-3	4.5-5	4.8-6.0
	16	1.8-2.2	2.6-3	3.0-4.0
	18	1.3-1.5	2-2.4	2.2-3.0
	20	1-1.2	1.6-2	1.8-2.5
	25	0.8-0.9	1.2-1.4	1.3-1.8
	30	0.6-0.7	0.8-1	0.8-1.2
	40	0.3-0.4	0.6-0.8	0.6-0.8
	50		0.3-0.4	0.3-0.4
60		0.15-0.2	0.15-0.3	
70		0.08-0.13	0.12-0.18	
aluminium alloy AL(AIR)	1	40-50	50-60	55-60
	2	25-30	45-55	35-40
	3	20-25	32-38	32-35
	4	20-22	46-50	40-50
	5	15-17	34-38	33-38
	6	9-10	24-27	22-27
	8	9-10	15-17	15-17
	10	6-7	10-12	10-13
	12	4.5-5	8.5-9.5	8.5-10
	14	2.3-2.8	3.5-4.2	3.5-4.5
	16	1.6-2	3-3.5	3-3.8
	18	1.3-1.5	2.2-2.6	2.2-3.0
	20	1-1.2	1.5-1.8	1.5-2.0
	25	0.7-0.8	0.9-1.1	0.9-1.3
	30	0.4-0.5	0.6-0.7	0.6-0.8
	40		0.3-0.4	0.3-0.4
	50		0.1-0.15	0.1-0.2
Material	Thickness(mm)	12000W Speed(m/min)	20000W Speed(m/min)	30000W Speed(m/min)
Brass (N2)	1	40-50	45-50	40-50
	2	20-25	30-35	25-35
	3	15-20	19-20	15-20
	4	13-15	26-29	21-29
	5	10-11	20-22	15-20
	6	8.5-9.5	13-15	10-11
	8	6-6.5	8-8.5	7.5-8.5
	10	4.5-5	5-5.6	6.5-8
	12	3-3.5	3.4-4.5	5.0-6.5
	14		3-3.5	4.0-5.0
	16		2-2.5	3.0-4.0
	18		1-1.2	2.3-3.0
	20		0.5-0.8	1.5-2.0

3.1 Main technical parameters

technical parameter		
Model	AWING V 10030	
Power	30000W	
X-axis travel	Vertical cutting 10000mm/Bevel cutting 9500mm	
Travel Y-axis	Vertical cutting 3000mm/Bevel cutting 2500mm	
Maximum positioning speed	Vertical cutting 120m/min / Bevel cutting 100m/min	
X/Y axis maximum acceleration	Vertical cutting 1.5G/Bevel cutting 0.6G	
X/Y-axis mechanical positioning accuracy	0.06mm	
X-axis mechanical repetitive positioning accuracy	0.03mm~0.04mm	
Y-axis mechanical repetitive positioning accuracy	0.03mm~0.04mm	
Bevel Cutting	Type	Positive V bevel, reverse V bevel, positive Y bevel (root bevel), reverse Y bevel (reverse bevel with root), X bevel
	Angle	+45° to -45° continuous variation or fixed angle cutting
	Method	Corner cutting using segmented or continuous single-pierce bevel cutting method.

3.2 Main configurations

Number	Main components	Brand
1	Laser source	MAX
2	Cutting head	PRECITEC
3	Z32 CNC system (including control software)	El.En.group
4	X/Y/W axis rack	STR.RONSE
5	Guide rail	SMS
6	Reducer	DESBOER
7	AC servo motor	INOVANCE
8	Driver	PENTA Match
9	Proportional control valve	LANNY
10	Laser cutting process database	Penta Laser
11	CAD/CAM automatic programming software	LANTEK
12	Chiller	DVT

Note:
 If the customer purchases the above devices themselves, they must purchase the specified brand and model. If the brand is changed arbitrarily, the customer is responsible for any impact on the overall performance of the machine. The shelf life of the standard attachments provided by our company is 1 year. The pipes of the air compressor are installed by the customer themselves.

4.1 AWING V 10030 steel cutting machine (overall as shown in the figure below)



(The pictures are for reference only, and the appearance and dimensions are subject to the actual factory equipment.)

4.2 Laser cutting head

Adopting a professional fiber laser cutting head, equipped with non-contact capacitive sensors and a height automatic tracking system, the cutting head can float with the height of the workpiece, greatly improving processing stability; At the same time, the cutting head has an automatic zoom function, which meets the cutting needs of plates with different thicknesses of power.



Features:

- High performance Z-axis floating function
- Anti collision function
- Automatic zoom function

entry name	technical parameter	entry name	technical parameter
Cutting head focal length	200-300mm	Cutting gas input	Oxygen, air, nitrogen
Cutting head	Distribution capacitive height modulator	Cutting gas output	Proportional output

4.3 Equipment Configuration Introduction

AWING V 13030-01 consists of components such as a base, workbench, crossbeam, slide, slide, cooling system, pneumatic system, slag removal system, smoke exhaust system, and protective periphery.

4.3.1 Machine tool base

The base is an integral hollow structure, formed by welding the tube plate, and finely processed after secondary aging treatment, with good strength and high accuracy. Below the bed, there is a partition dust removal system and a drawer type slag removal cart; Lay anti burn materials in the cutting area to protect the machine tool from deformation and durability.



4.3.2 Beam

The crossbeam is a gantry mobile structure, and it is a welded steel beam with a honeycomb lightweight design. After welding and forming, it undergoes secondary aging treatment and then precision processing, with good strength and high accuracy; It is equipped with high-precision rolling linear guide rails and diagonal racks, and is protected by fire-resistant fully sealed dust covers to improve the stability and service life of the transmission structure; At the same time, the gantry is equipped with high torque servo motors and high rigidity flange reducers on both sides, which have good synchronization and high dynamic performance.



4.3.3 Workbench

The workbench is a separated floor structure with good strength and high load-bearing capacity. The cutting area adopts a unique detachable grille design, equipped with higher and thicker tooth plates, which have good strength and long service life; The spacing between the tooth plates and the design of the rounded corners are more user-friendly, which can ensure the stability of the structure and be safer. Install graphite protective material at the connection beam of the workbench to ensure that the workbench does not collapse after prolonged cutting.



4.3.4 Dust removal system

A uniquely designed partition blowing and extraction dust removal system, where the cutting head works in a certain area and the corresponding area's dust extraction air door automatically opens. The partition dust removal design is integrated into the machine tool, located below the workbench, to ensure good dust removal effect. Professional dust collectors can be selected to remove dust, exhaust gas and other substances in the production process, and filtered and discharged to achieve a comfortable working environment.

4.3.6 Pneumatic system

Various pressure control valves, pressure switches and solenoid valves are installed in the gas circuit system, which can automatically select the gas under the electrical control. The gas circuit mainly provides cutting gas and auxiliary gas, mainly including oxygen and air. There is a proportional valve for oxygen, which can automatically adjust the cutting pressure according to different material thickness and process database, and air cutting can cut plates with a certain thickness, and is also the auxiliary gas for cooling the cutting head and other mechanisms.



4.4 Laser Source

The professional fiber laser has the following characteristics:

- Electro-optic conversion efficiency of up to 35%-40%, which greatly reduces the use cost.
- High stability, which greatly reduces the requirements for monitoring laser quality in operation.
- Long service life, high precision and free maintenance.
- Superior to traditional lasers in the industrial application, which shows that it has the best wavelength and beam quality suitable for metal processing.
- Semiconductor fiber used as laser generation medium, which is green and environmentally friendly with no need for laser generation gas, and has low cost.



4.5 CNC System

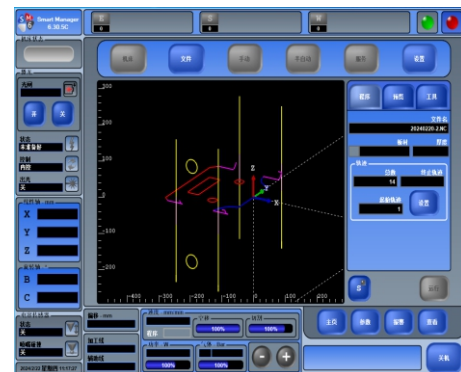
4.5.1 The CNC system is the latest Z32 real-time control system with dynamic and geometric impact protection

- The data exchange between the CNC system and lathe drive system is realized through optical fiber communication.
- Self-adaptive real-time control of laser energy ensures the cutting quality of sharp corners
- Z-axis servo control eliminates the influence of uneven plates.
- Breakpoint return.

4.5.2 Operating system Smart Manager

● Smart Manager is imported from Europe, which is a CNC software based on Windows platform. This software can be fully docked with the CNC system imported from Italy. Therefore, the real-time control and software upgrade of lathes and lasers are more convenient and quicker.

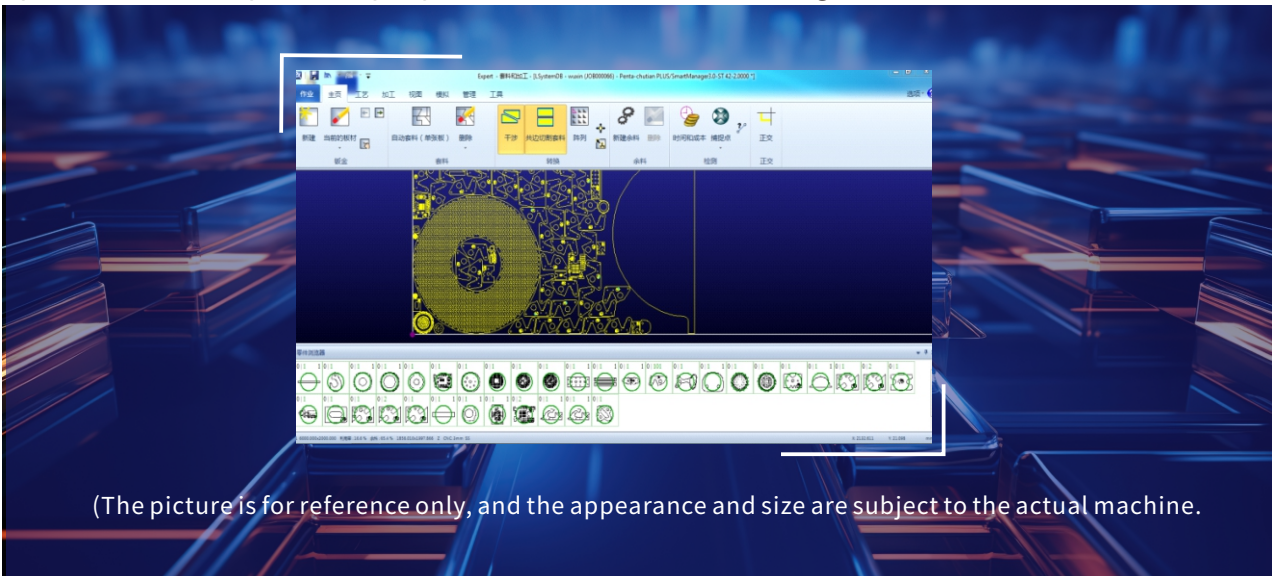
- The operation interface is friendly, easy to learn and operate, and its NC program is easy to edit and highly readable.
- Equipped with a database of cutting process parameters, cutting parameters can be adjusted in real time during the cutting process to achieve the best cutting quality.
- A variety of fast movement modes are optimized, with "leapfrog" function and automatic shutdown function of auxiliary gas during no-load movement.



4.5.3 Professional Nesting Software

The AWING V 6025-01 CNC laser cutting machine adopts the professional Lantek laser cutting automatic programming nesting software from Spain, which has powerful functions such as automatic programming, nesting, layout, text processing, and process settings, maximizing the management and utilization of sheet metal. The Lantek nesting software has the following functions and characteristics:

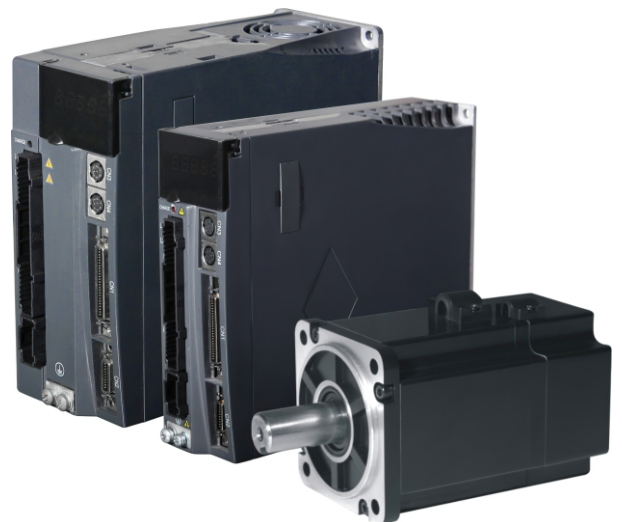
- Import, perforation, micro connection, cutting sequence, optimization of cutting path and speed, etc.
- It can achieve clearance layout of components, embedded layout within components, symmetrical flipping layout of components, rotational layout of components, and avoid shape overlap and collision, improving the utilization rate of sheet metal.
- By processing the cutting paths of regions and zones, local overheating and distortion can be avoided.
- Internal and external corner processing, can automatically recognize and set.
- Common edge segment cutting, optimizing cutting efficiency, and improving sheet metal utilization.
- Process settings: The system automatically applies different cutting processes based on user settings for different materials and thicknesses, including compensation radius, perforation time, cutting power, tool insertion method, micro connection, bridging, and other parameters.
- Pre perforation: Complete the pre perforation function according to the set conditions.



(The picture is for reference only, and the appearance and size are subject to the actual machine.)

4.6 AC Servo Motor, Drive and Reducer

The CNC laser cutting machine is equipped with INOVANCE AC servo motor and special customized drive, which has good precision and fast response to ensure the stable operation and operation precision of the lathe.



5.1 Spare Parts

S/N	Name	Qty.
1	Nozzle	55
2	Protective lens	20
3	Ceramic body	2

5.2 Special Tools

S/N	Name	Qty.
1	Transparent tape	1 roll
2	Isopropanol	1 bottle
3	Cotton swab	1 bag
4	Masking tape	1 roll
5	Hex wrench	1 set

5.3 List of Documents

- One Certificate of Conformity
- One Packing List
- One User's Manual
- One List of Spare Parts

6.1 Specific Responsibilities

- On site distribution cabinet: 380V, 50Hz, three-phase imbalance<2.5%, line voltage fluctuation<5%, capacity not less than 184kVA.
- The equipment should be installed with dedicated grounding, and its grounding resistance should not exceed 4 Ω.
- Provide necessary lifting equipment and personnel, lifting and handling equipment: a crane with a minimum lifting height of not less than 5 meters and a minimum lifting weight of 10 tons, or a crane or forklift with a minimum lifting weight greater than 10 tons that meets the above conditions, and 2 jacks.
- Provide materials required for on-site equipment debugging, such as H-shaped steel. Starting from the day the equipment arrives at the site, the purchaser needs to prepare the H-shaped steel for equipment debugging.
- Provide temporary access permits for debugging personnel.
- The purchaser needs to prepare cutting gas before the equipment arrives at the site: oxygen ≥ 99.99%; Water for laser chiller unit: Distilled water is free of minerals and impurities.
- Equipment space and foundation requirements: The ground bearing capacity should be at least 2000kg/m, and the ground flatness should be<5mm; On the basis of ensuring the solid and sturdy original ground, pour a 150mm thick cement layer with a cement grade not lower than 425 #.
- In order to ensure the normal operation of the fiber laser and chiller, the purchaser needs to build a separate room for the fiber laser with a constant temperature of 22 °C and a humidity of less than 50% before starting debugging after the equipment is in place.
- lcompressed air: The compressed air pipeline connected to the machine tool must be made of stainless steel and withstand a maximum pressure of 16 bar (the length of this pipeline depends on the installation of on-site equipment); Before connecting compressed air to the machine tool, a blowing test must be conducted to ensure that the air connected to the machine tool is clean and free of oil, water, and impurities.

7.1 Installation and debugging

Within 15 days after the signing of the business contract, provide the user with an installation layout plan (including electricity and gas consumption, piping, interface requirements, etc.). The equipment is installed in the user's factory, requiring the user to provide sufficient space, power supply, and ventilation system to install the equipment. The installation is carried out by engineers who have received strict training from the supplier. The supplier is responsible for equipment installation and debugging, while the user is responsible for connecting the air pipe and power line to the machine tool designated by the supplier's engineer. The pipeline connected to the machine tool is the responsibility of the second party, but the user should provide necessary cooperation and assistance for the supplier's engineer's equipment installation and debugging.



7.2 User training

The training of personnel is completed separately at the supplier's and purchaser's factories. Before the equipment is shipped, the purchaser can send personnel to our factory for a one week training, and the specific time will be confirmed by our sales department; The training at the user's factory is 5 days after the installation acceptance is qualified. Mainly learn about equipment maintenance, operation, laser protection, processing technology, graphic editing, common troubleshooting, etc. Trainees are required to be mechanical, electrical, or optical assistant engineers or engineers who understand computer operations and are proficient in 3D drawing. Trainees should pass the assessment organized by the supplier on equipment operation, laser basic knowledge, safety protection, maintenance, and other aspects before they can take up their positions. Trainees should pass the assessment organized by the supplier on equipment operation, laser basic knowledge, safety protection, maintenance, and other aspects before they can take up their positions



VIII. After-sales Service

8.1 After-sale service

- The warranty period is within 12 months after the completion of equipment installation and commissioning. Regardless of whether it is within the warranty period or not, any of the following situations shall not enjoy the quality assurance provided by the supplier: using the product beyond its performance; Incorrect operation and handling of products; The purchaser or any third party incorrectly installs and operates the product; Natural wear and tear, improper processing of materials; Power grid impact or chemical corrosion; Damage caused by non-human factors such as natural disasters. The vulnerable and consumable parts on the equipment are not included in the warranty period. The after-sales service of auxiliary equipment shall be carried out according to the sales standards of the corresponding manufacturer. Our company will assist the demander in coordinating issues related to the sales of auxiliary equipment. Our sales service engineer will provide corresponding telephone support and necessary on-site services based on the issues reported by customers. Telephone response time is within 2 hours, and on-site service is within 24 hours.
- Regarding the replacement of equipment components (including vulnerable parts), whether within or outside the warranty period, please make sure to purchase from our company to ensure the normal use of your equipment, and we will also be responsible for the maintenance of these components. For any damage or malfunction caused by the absence of purchased accessories from us, our company will cease the free warranty service and the warranty period will terminate.
- During the warranty period, our company does not guarantee the following items: protective materials, nozzles, ceramic bodies, nozzle extensions, leather cavities, cutting teeth, filter elements and filtering elements, protective lenses, sealing rings, all lubricants, working optical fibers, collimating lenses, cutting lenses and other vulnerable and consumable parts.



9.1 AWING V Bevel 10030 30 KW

S/N	Name	Qty.	Price (FOB)
1	AWING V Bevel 10030 30000W	1	\$ 147,000 USD
2	Air conditioner (for Electric cabinet)	1	Included
3	Voltage stabilizer	1	Included
4	Bevel cutting	1	\$ 28,000 USD
5	Air compressor	1	\$ 7,500 USD
6	Dust collector	1	Not Included



AWING BV 10030

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