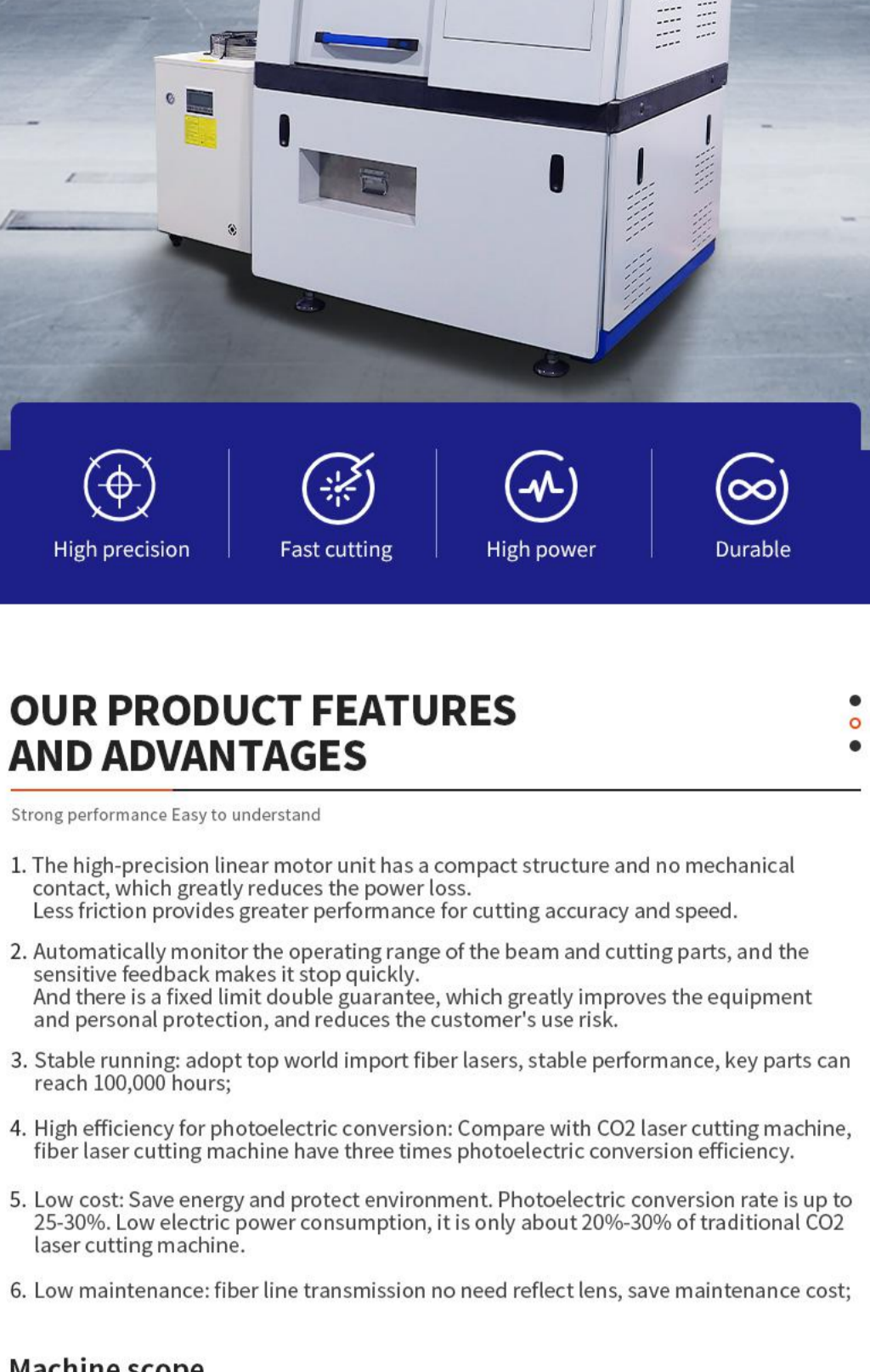


# PRECISION CUTTING MACHINE

1500W — 3000W



- High precision
- Fast cutting
- High power
- Durable

## OUR PRODUCT FEATURES AND ADVANTAGES

Strong performance Easy to understand

- The high-precision linear motor unit has a compact structure and no mechanical contact, which greatly reduces the power loss. Less friction provides greater performance for cutting accuracy and speed.
- Automatically monitor the operating range of the beam and cutting parts, and the sensitive feedback makes it stop quickly. And there is a fixed limit double guarantee, which greatly improves the equipment and personal protection, and reduces the customer's use risk.
- Stable running: adopt top world import fiber lasers, stable performance, key parts can reach 100,000 hours;
- High efficiency for photoelectric conversion: Compare with CO2 laser cutting machine, fiber laser cutting machine have three times photoelectric conversion efficiency.
- Low cost: Save energy and protect environment. Photoelectric conversion rate is up to 25-30%. Low electric power consumption, it is only about 20%-30% of traditional CO2 laser cutting machine.
- Low maintenance: fiber line transmission no need reflect lens, save maintenance cost;

**Machine scope**  
 Widely used in the processing of metal tube structure, advertising board, spring coil slice, textile machinery parts, kitchen utensils, car, machinery, elevator, electric parts, subway line spare parts, etc.  
 Suitable for stainless steel, carbon steel, silicon steel, aluminum alloy, titanium alloy, galvanized steel, aluminum-plating zinc plate, copper and other metals.

\*After placing an order, the delivery lead time is usually within 10 working days



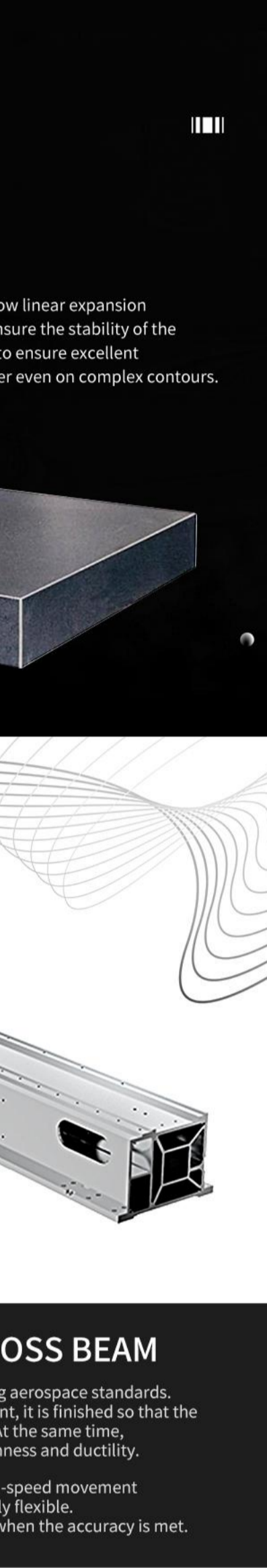
height: 1819MM      width: 1515MM      Length: 1798MM  
 \* The size is manually measured and there will be a little error

Laser type	Fiber laser			
Laser Power	1500W/2000w/3000w			
Laser source	nLIGHT(nLIGHT laser source from USA.)			
Working area	400x200mm /600x600mm /600x800mm			
Laser Wave Length	1064nm			
Position Accuracy	±0.05mm/m			
Maximum Running Speed	80m/min			
Working Voltage	380V/50Hz			
Warranty	2 Years (includes parts & laser power)			

Laser Power	Gold	Silver	Brass	Stainless steel
1500w	2mm	1.5mm	2mm	4mm
2000w	3mm	2mm	3mm	5mm
3000w	4mm	3mm	4mm	8mm

## High precision Automatic focusing laser head

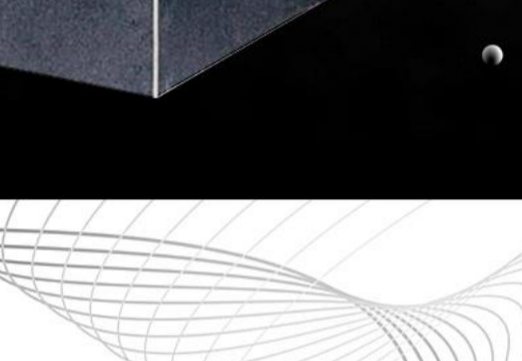
The laser head with automatic focusing function can automatically adjust the focus without manual focusing. The software can automatically and quickly change different focusing lenses to meet the requirements of cutting plates of different thicknesses. The operation is simple, convenient, fast and accurate.



- Large adjustment range
- Long life span



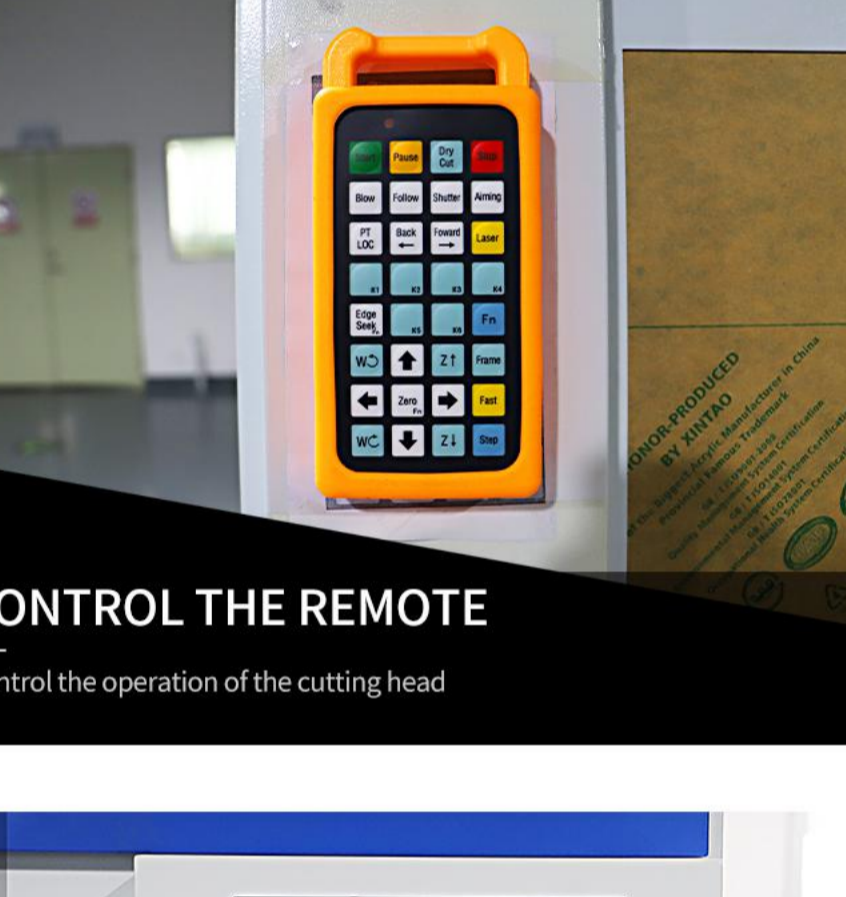
Single-layer nozzles use nitrogen and air as auxiliary gases to cut stainless steel plates, aluminum plates, copper plates, etc.



The double-layer nozzle uses oxygen as an auxiliary gas to cut iron plates, etc.

## High quality Marble countertop Constant quality

The marble countertop has the characteristics of low linear expansion coefficient, high hardness, and anti-magnetic to ensure the stability of the accuracy of the bed during high-speed operation, to ensure excellent workpiece quality, and to exert high dynamic power even on complex contours.

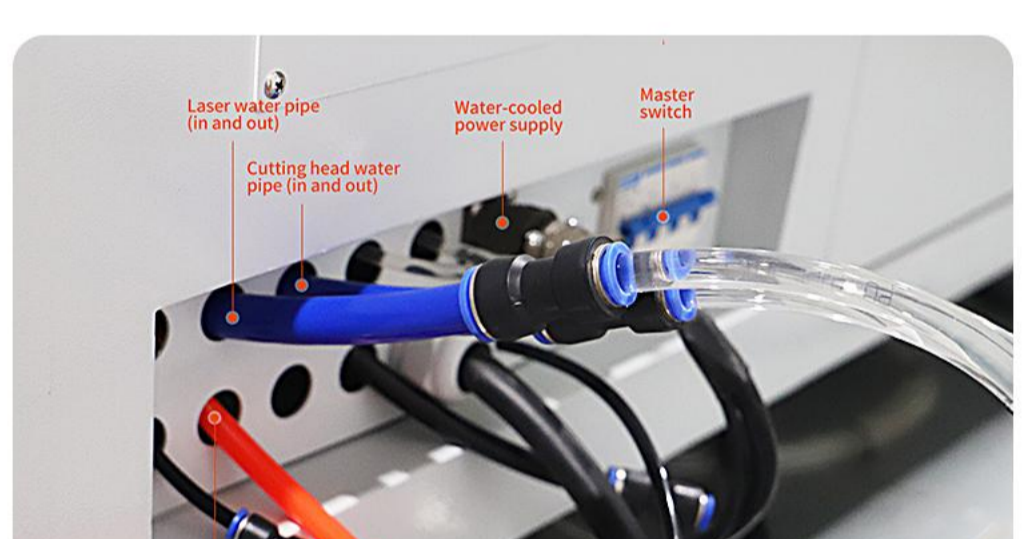


## CAST ALUMINUM CROSS BEAM

Aerospace aluminum is manufactured using aerospace standards. After artificial aging and solid solution treatment, it is finished so that the hardness of the beam can reach T6. At the same time, it has the characteristics of good toughness and ductility. It is light in weight, convenient for high-speed movement during processing, and is highly flexible. It can greatly increase the processing speed when the accuracy is met.

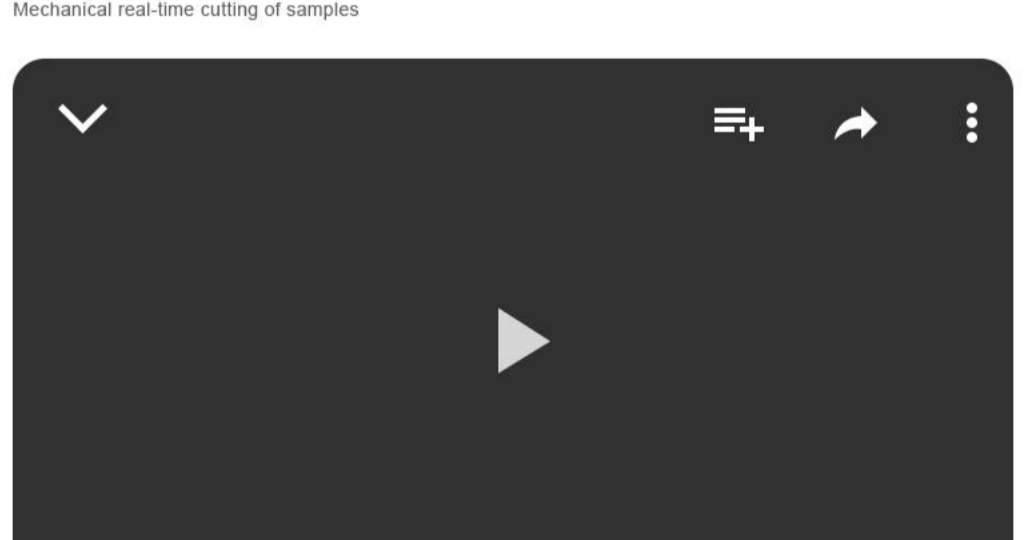
## DETAILED PICTURE DISPLAY FUNCTIONAL ENDTOTYPE

Show you all aspects of machinery



## CONTROL THE REMOTE

Control the operation of the cutting head



## CNC CONSOLE

Control and adjust the size of the value



## THREE PARTS

Indispensable things to make machinery better



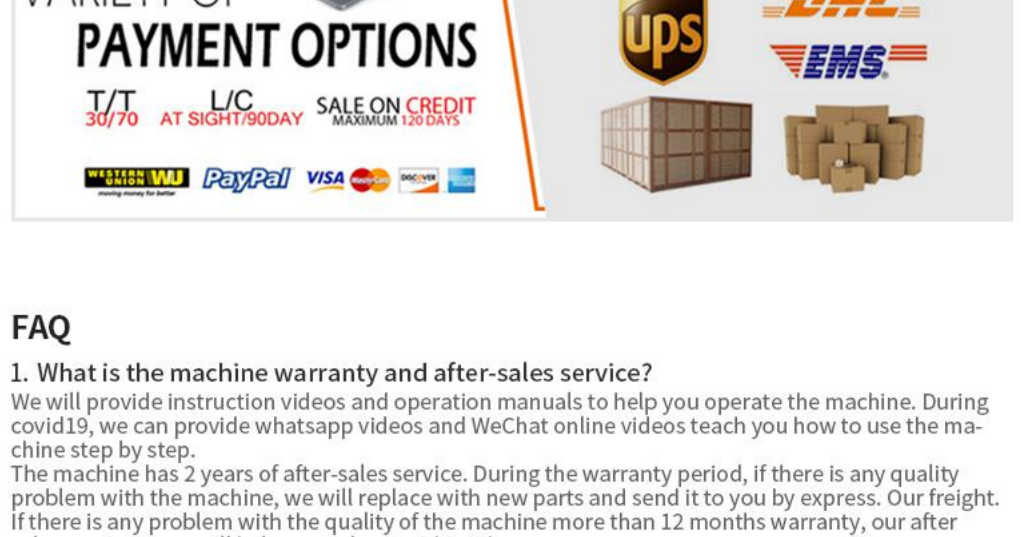
## SAMPLE DISPLAY LASER CUTTING

Mechanical real-time cutting of samples



## ABOUT US FOLLOW US

We are an excellent manufacturer, let us do business together



## WHY CHOOSE US

Product Technology (Shenzhen) Co., Ltd. is a comprehensive enterprise integrating R&D, design and production laser automation equipment manufacturer. Our products include laser cutting machines, marking machines, laser welding machines, laser engraving machines and non-standard automation equipment. Our company has a group of high-level optical, electronic and precision mechanical researchers, and has world-class optical and microelectronic test equipment, advanced quality management system, improve the efficiency of the manufacturing test process, and create excellent quality. Our commitment is to focus on product quality and customer service through research and continuous improvement of technical level, development, standardization, and scientific management. Optical Technology (Shenzhen) Co., Ltd. has won a good reputation in Germany, the United States, Japan, the United Kingdom, Russia, Malaysia and other countries. Optical Technology (Shenzhen) Co., Ltd. has established a long-term friendly cooperative relationship with domestic laser research institutes. Over the years, our products have been exported to more than one hundred countries and regions.



## TRIPLE SAFETY INSPECTION

International standards guarantee you escort



## PAYMENT AND DELIVERY

We are excellent manufacturers



## FAQ

**1. What is the machine warranty and after-sales service?**  
 The machine has 2 years of after-sales service. During the warranty period, if there is any quality problem with the machine, we will replace with new parts and send it to you by express. Our freight. If there is any problem with the quality of the machine more than 12 months warranty, our after sales service team will help you solve it within 8 hours.

**2. Is this machine has quickly-wear part?**  
 The life of the precision laser cutting machine is more than 100,000 hours. A better working environment can extend the life. Nitrogen will be consumed as a protective gas.

**3. Will the package be damaged during transportation?**  
 Our packages take all damage factors into consideration and make sure the product will be in safe transportation. We have exported to 180 countries worldwide. So transportation won't be problem for us and customers will definitely receive products in good condition.

## **Quick Contact**

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