

IMPACT LASER
EQUIPMENT



CNC TOP TEN BV

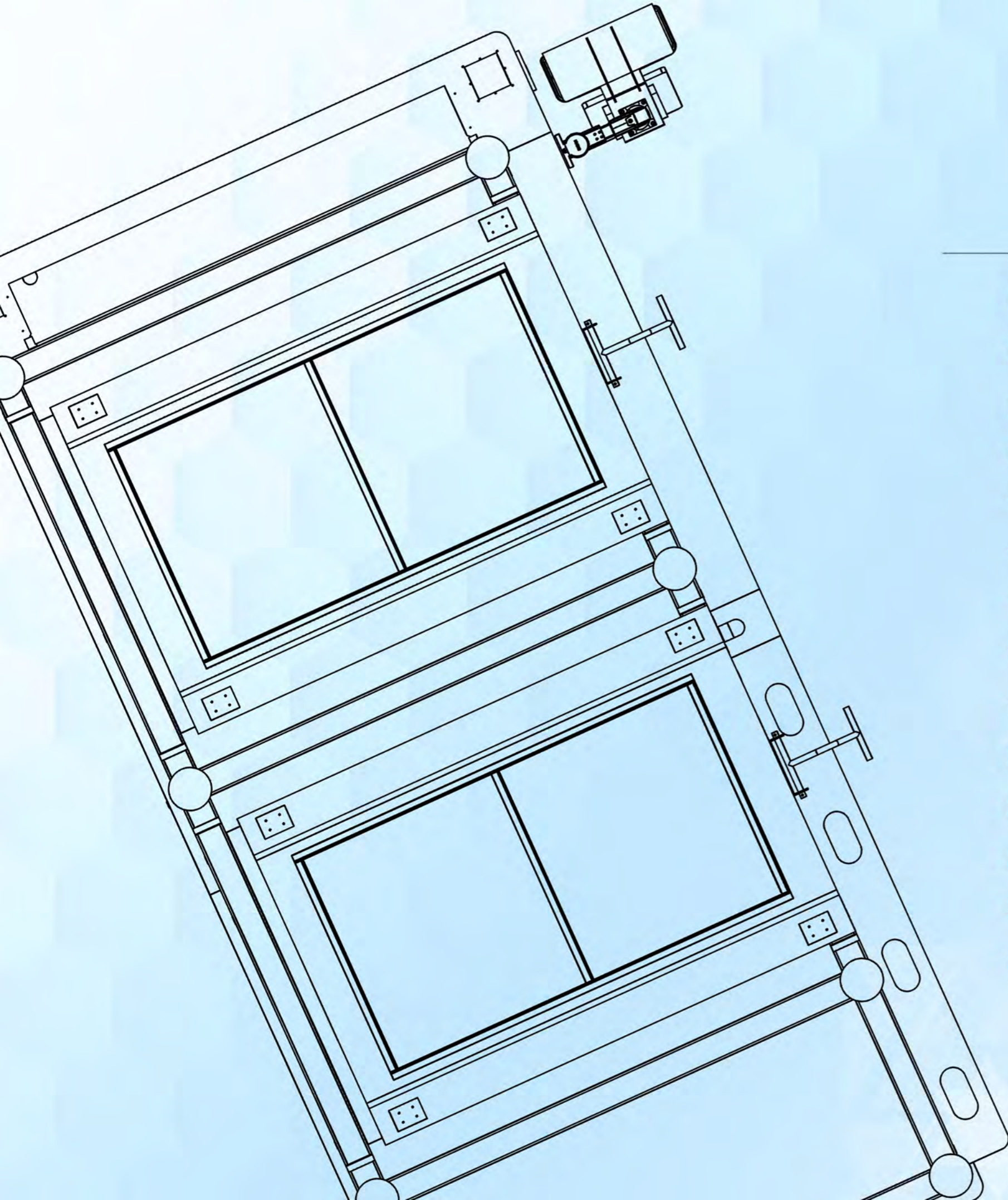
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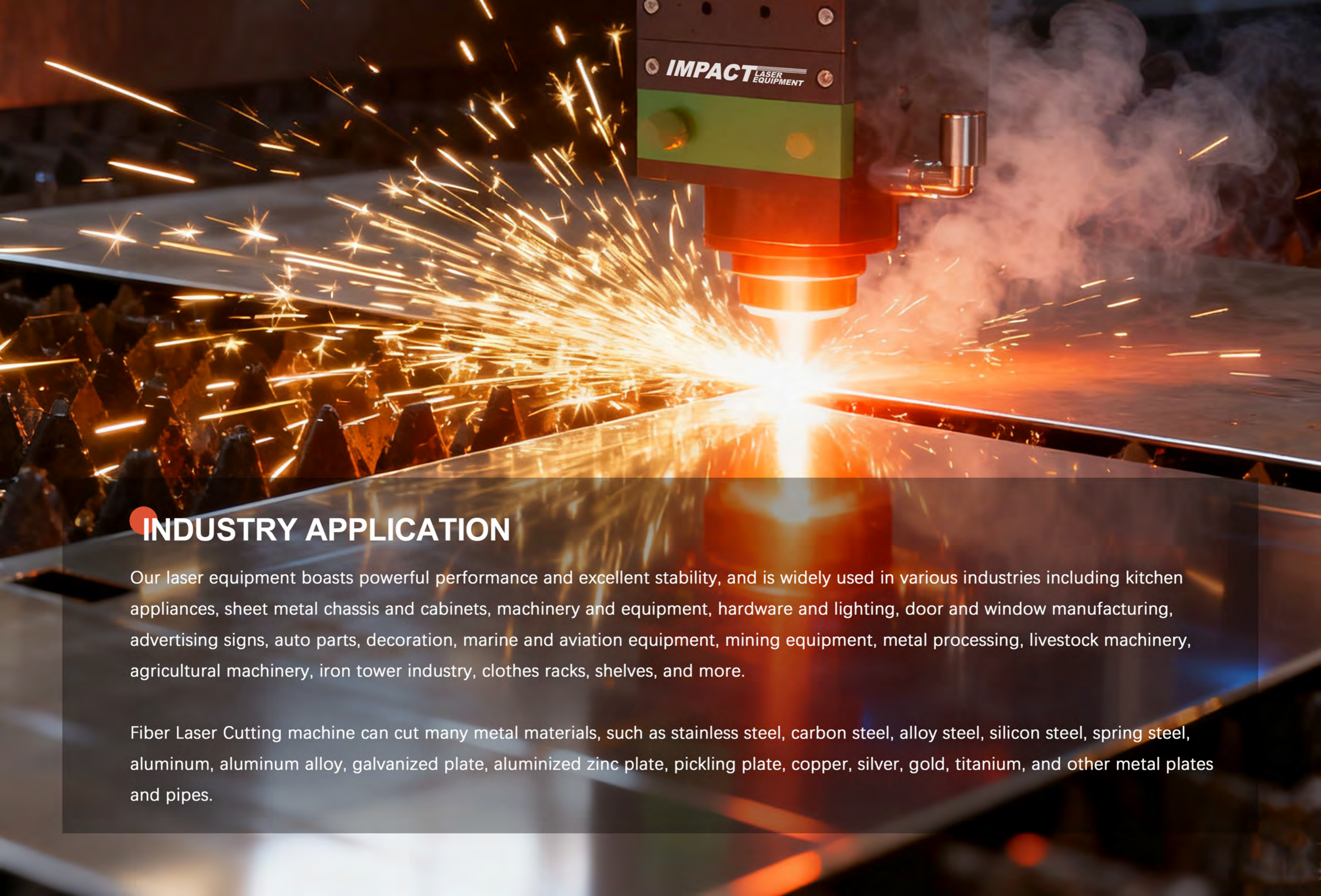
FIBER LASER METAL MACHINES

Metal Fabrication Laser Solution Provider



CONTENTS

- 03** Sheet Metal Fiber Laser Cutting Machine
- 05** Sheet & Tube Fiber Laser Cutting Machine
- 07** Dual Platform Laser Cutting Machine
- 09** Fully Enclosed Crossbeam Sheet Laser Cutting Machine
- 11** Professional Laser Cutting Tube Machine
- 13** High Precision Small Laser Cutting Machine
- 15** Full Enclosed Fiber Laser Cutting Machine
- 17** High Power Enclosed Laser Cutting Machine
- 19** Sheet & Tube Enclosed Laser Cutting Machine
- 21** Metal Bevel Fiber Laser Cutting Machine
- 23** Handled Metal Laser Cleaning Machine
- 25** Handheld Metal Laser Welding Machine
- 27** Air Compressor for Laser Cutting
- 29** Industrial Cleaning Dust Collector



INDUSTRY APPLICATION

Our laser equipment boasts powerful performance and excellent stability, and is widely used in various industries including kitchen appliances, sheet metal chassis and cabinets, machinery and equipment, hardware and lighting, door and window manufacturing, advertising signs, auto parts, decoration, marine and aviation equipment, mining equipment, metal processing, livestock machinery, agricultural machinery, iron tower industry, clothes racks, shelves, and more.

Fiber Laser Cutting machine can cut many metal materials, such as stainless steel, carbon steel, alloy steel, silicon steel, spring steel, aluminum, aluminum alloy, galvanized plate, aluminized zinc plate, pickling plate, copper, silver, gold, titanium, and other metal plates and pipes.

SHEET METAL FIBER LASER CUTTING MACHINE

Efficient and precise cutting of medium and thin plates

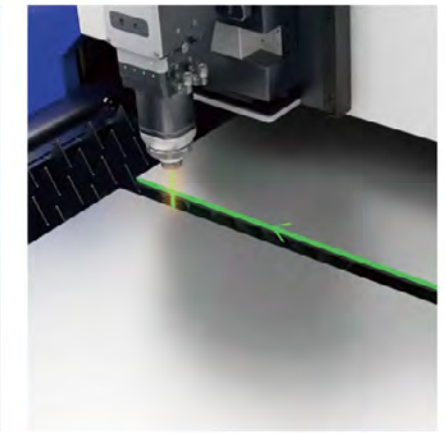
- Auto-focusing laser head
- Automatic edge detection
- Intelligent typesetting



Auto Focus Laser Head



Intelligence Control System



Quick Cut Off

Performance advantages

- Featuring an open structure with a single platform, it offers high processing efficiency and versatility, making it highly favored by customers.
- It eliminates the impact of thin sheet vibrations and edge vibrations of medium-thin sheets on cutting quality, ensuring optimal cutting results.
- It supports loading and unloading from the left, right, and front directions, providing convenience, practicality, and high flexibility, while saving production space.
- An optional high-low exchange platform can be configured to achieve continuous cutting, reducing loading and unloading wait times and saving costs.

A Series	1325A	3015A	4020A	6025A
Working size	1300x2500mm	1500x3000mm	2000x4000mm	2500x6000mm
Laser power	1000w--20000w			
Max.moving speed	120m/min			
Acceleration	1.0G--4.0G			
Position accuracy	±0.02mm			
Repeatability accuracy	±0.02mm			
Optional type	Open type and single table			

SHEET & TUBE FIBER LASER CUTTING MACHINE

One machine for dual use, best for diversified processing needs

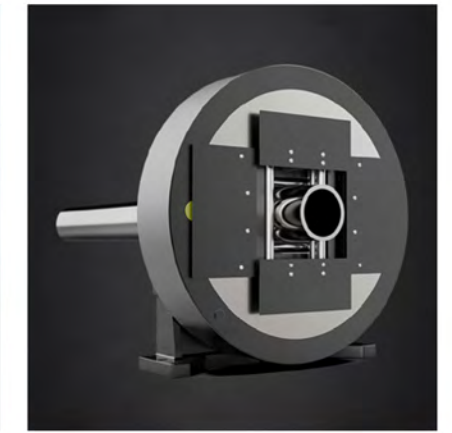
- Space-saving
- Dual-use
- Supreme cost-effectiveness



Auto Focus Laser Head



Intelligence Control System



Pneumatic Self-Centering Chuck

Performance advantages

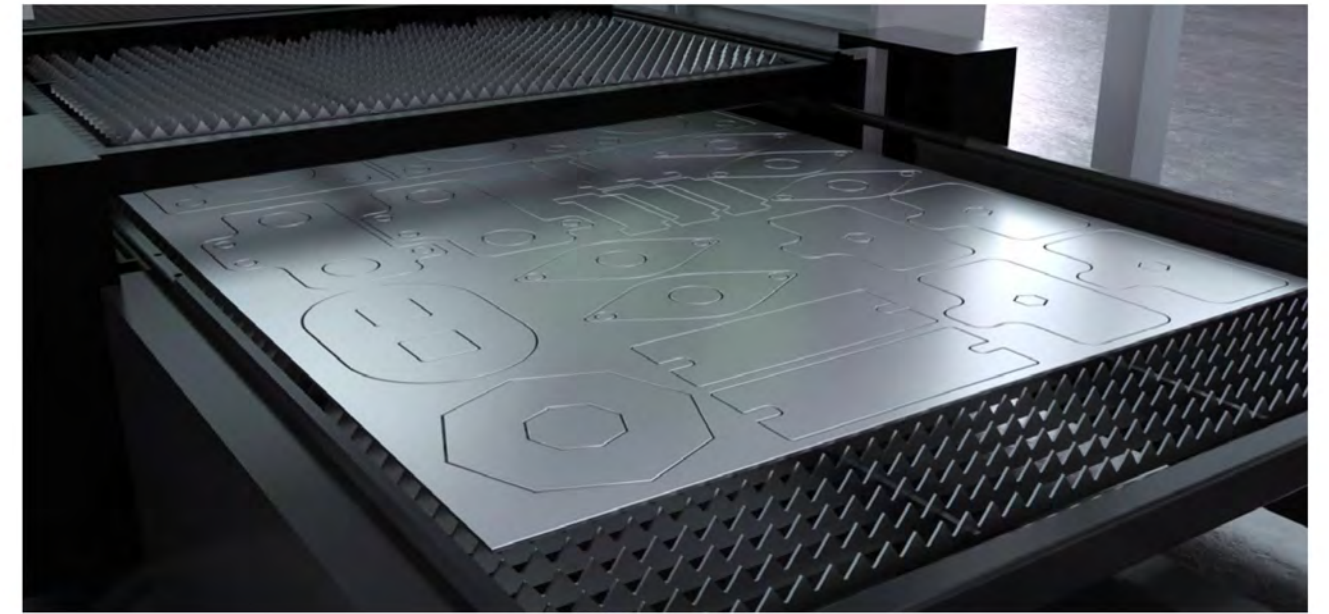
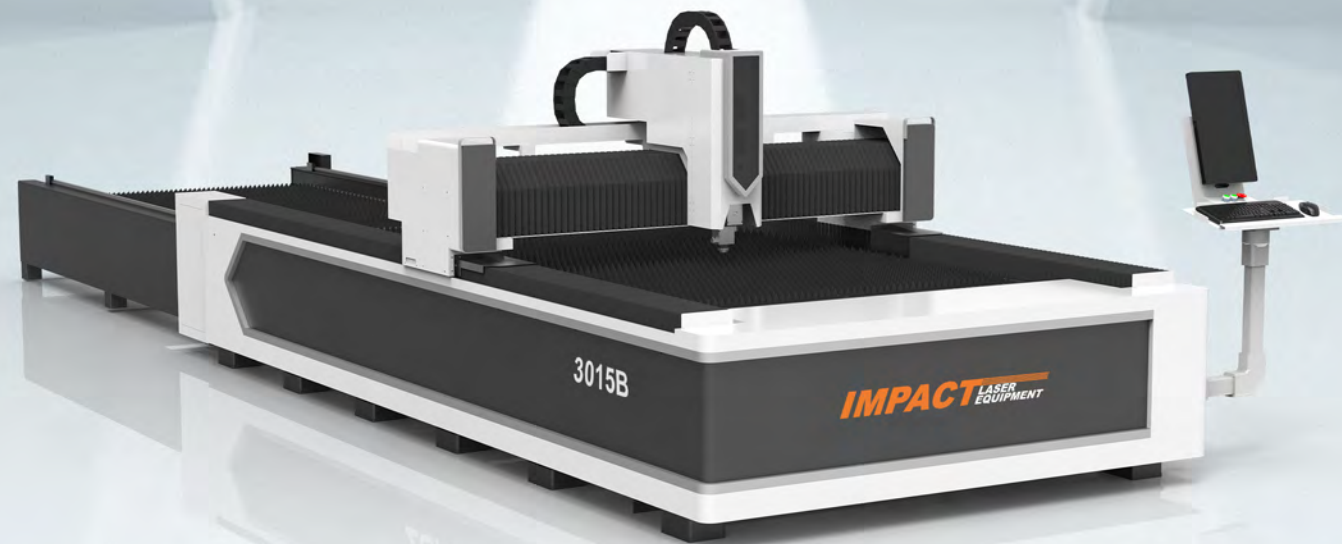
- Cutting plates and pipes to meet diverse processing needs, saving costs while delivering excellent performance.
- Different chuck sizes and processing area lengths can be selected according to cutting requirements.
- Equipped with a fully automatic pneumatic chuck, which is three times faster than an electric chuck, capable of automatic centering and finding the center, providing strong and constant clamping force.
- The chuck adopts double roller jaws, ensuring stable clamping and preventing deformation of the pipes.

AC Series	3015AC	4020AC	6020AC
Sheet working size	1500x3000mm	2000x4000mm	2000x6000mm
Tube length		3m--12m	
Laser power		1000w--20000w	
Clamping tube diameter		∅ 20-360mm	
Max.moving speed		120m/min	
Acceleration		1.0G--4.0G	
Position accuracy		±0.02mm	
Repeatability accuracy		±0.02mm	

DUAL PLATFORM LASER CUTTING MACHINE

Cutting and loading/unloading occur simultaneously, greatly boosting productivity.

- Fast cutting speed
- Stable and durable structure
- Wide material compatibility



Exchange Table

Performance advantages

- The load-bearing capacity of the machine tool bed is mainly supported by the two rows of legs at the bottom, rather than by the sides, which helps to prevent deformation.
- The intuitive touch operating system simplifies your laser cutting process, providing a compatible, flexible, and efficient processing experience.
- Dual-platform switching ensures smooth and efficient production processes and reduces operating costs.
- Intelligent cutting head delivers the highest quality and productivity, increasing cutting speed by up to 25%. Built-in sensors facilitate regular maintenance and enable efficient use of spare parts.

B Series	3015B	4020B
Sheet working size	1500x3000mm	2000x4000mm
Laser power	1000w--20000w	
Max.moving speed	120m/min	
Acceleration	1.0G--4.0G	
Position accuracy	±0.02mm	
Repeatability accuracy	±0.02mm	
Optional type	Open type and exchange table	

FULLY ENCLOSED CROSSBEAM SHEET LASER CUTTING MACHINE

It is safe and complies with international safety standards

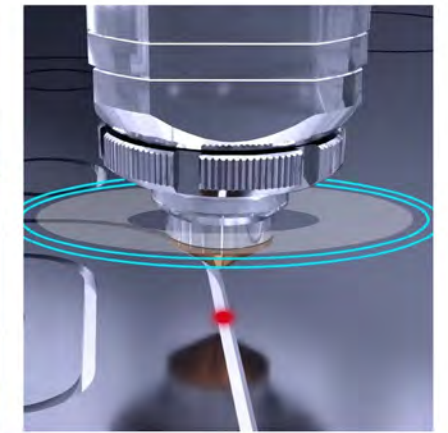
- Enclosed crossbeam structure
- Reduced maintenance frequency
- Stable high-speed operation



Sheet Edge Anti-vibrating



Fly Cut



Auto Focus Laser Head

Performance advantages

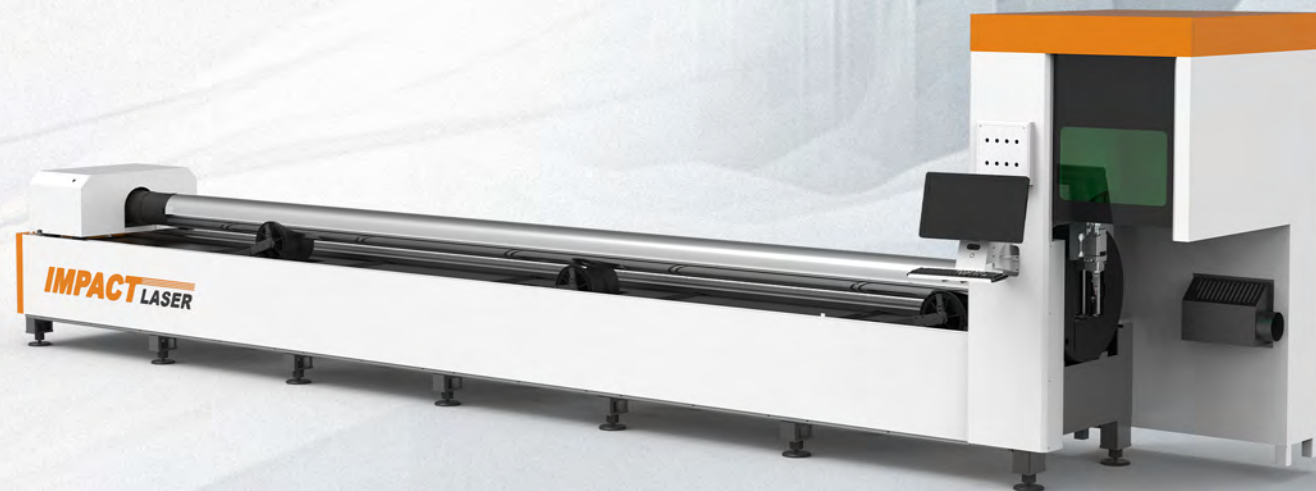
- It adopts high-performance bus servo motors to achieve the absolute leading dynamic performance (compared with similar products in the market).
- Through the powerful algorithm, it is able to adapt to the high frequency vibration of thin plate due to air pressure.
- The laser head sensitivity is intelligently adjusted to ensure stable cutting, thereby guaranteeing cutting quality and efficiency.
- Intuitive controls and intelligent features simplify the laser cutting workflow and maintenance, making it suitable for users of all skill levels.

AM Series	3015
Working size	3000x1500mm
Laser power	1000w - -6000w
Max.moving speed	120m/min
Acceleration	1.0G/2.0G
Position accuracy	±0.02mm
Repeatability accuracy	±0.02mm
Optional type	fully enclosed crossbeam

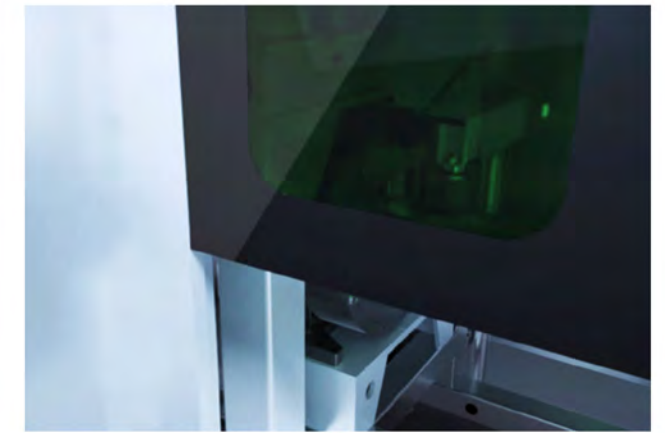
PROFESSIONAL LASER CUTTING TUBE MACHINE

Accurately cut square tubes, round tubes, special-shaped tubes

- High cost performance
- High precision
- Fast speed



Pneumatic Self-Centering Chuck



Safe and Clean Cutting Environment

Performance advantages

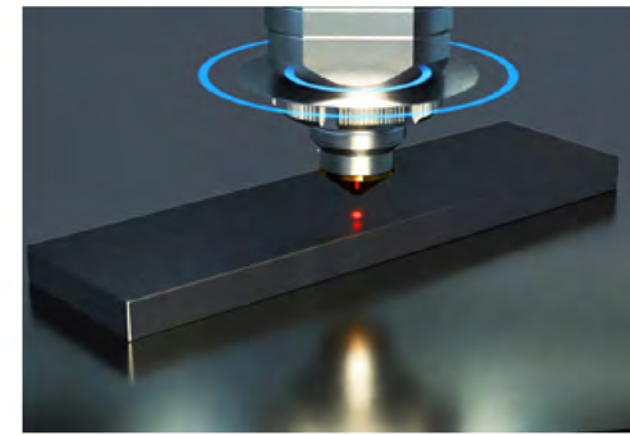
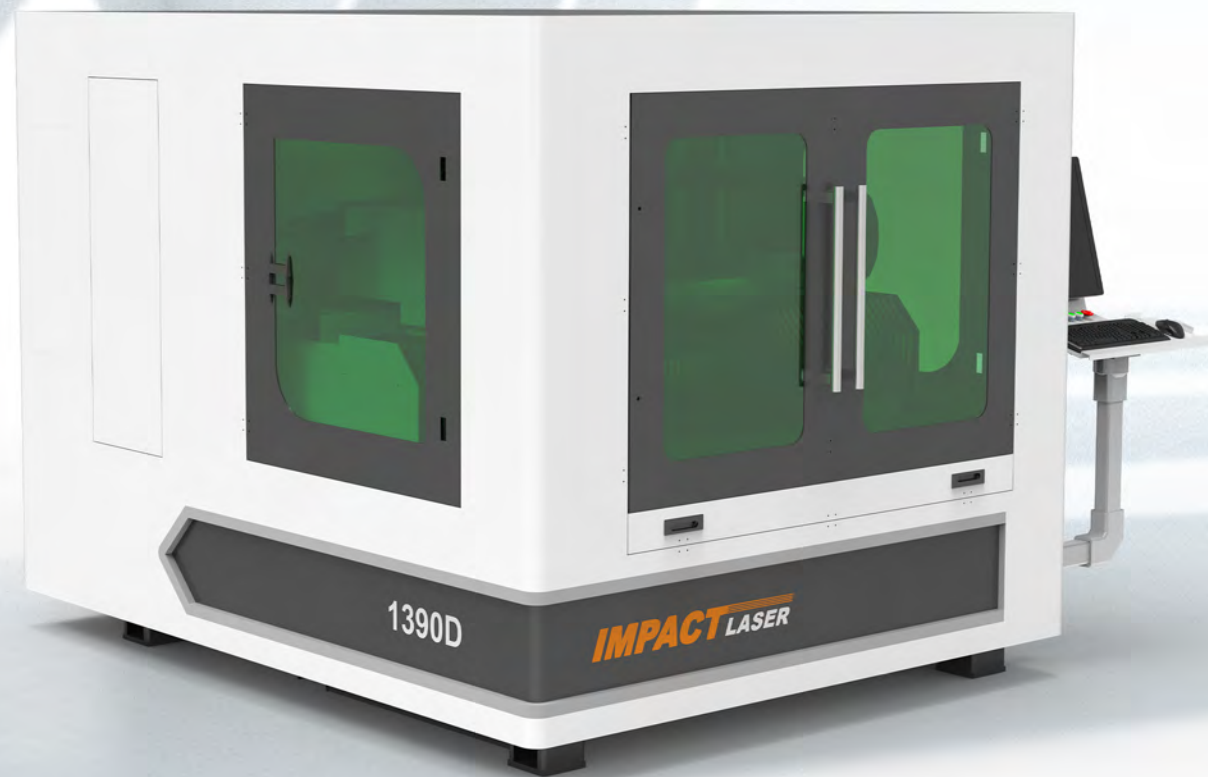
- From parts drawing and modification, full type compensation, strategic nesting to report generation, TubesT or TubePro will meet and exceed your production needs.
- With its extra-large pipe diameter and powerful clamping ability, it can effectively clamp and cut metal pipes such as square pipes, round pipes, D-shaped pipes, and hexagonal pipes.
- Integrated machine bed. The unique industrial structure design gives it maximum stability and higher vibration resistance.
- The automatic support device solves the deformation problem during the long pipe cutting process.

G Series	240G	360G
Laser power	1000w--6000w	
Tube length	3m--12m	
Clamping tube diameter	Ø 20-360mm	
Max.moving speed	100m/min	
Acceleration	1.0G	
Position accuracy	±0.02mm	
Repeatability accuracy	±0.02mm	

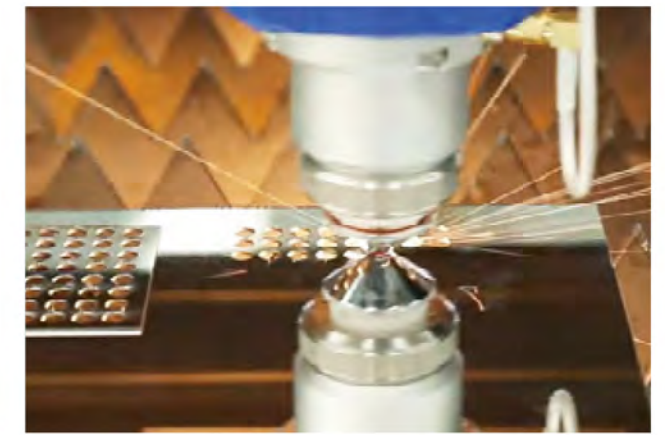
HIGH PRECISION SMALL LASER CUTTING MACHINE

Ideal for precision parts, thin sheets, and small workpieces

- Stable cutting quality
- Compact footprint
- Easy to operate



Avoid Collision in Travel



FlyCut

Performance advantages

- Adopts full enclosed protective cover, which can prevent laser from hurting people.
- Automatic focus cutting head. It can shorten the perforation time, improve the perforation quality and cutting speed.
- Intelligent CNC system. It support multiple graphic files include DXF, PLT, DWG, AI, G-code, IGS(tube cutting). It is compatible with other nesting software.
- This enclosed fiber laser cutting machine adopts ball screw transmission, which can guarantee better cutting accuracy than gear rack transmission.

D Series	6060D	1390D
Working size	600x600mm	900x1300mm
Laser power	1000w--6000w	
Max.moving speed	120m/min	
Acceleration	1.0G/2.0G	
Position accuracy	±0.02mm	
Repeatability accuracy	±0.02mm	
Optional type	Full cover/Enclosed	

FULL ENCLOSED FIBER LASER CUTTING MACHINE

Suitable for applications where environmental protection is required

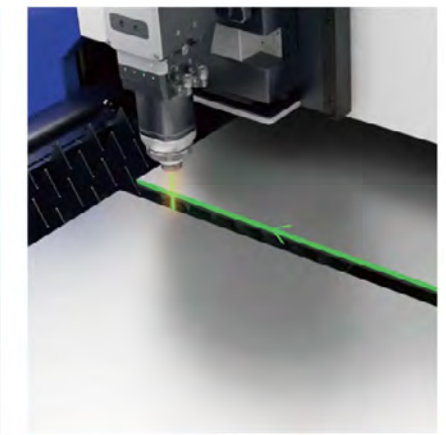
- Customizable sizes available
- Automatic focusing cutting head
- Push-pull platform



Auto Focus Laser Head



Intelligence Control System



Quick Cut Off

Performance advantages

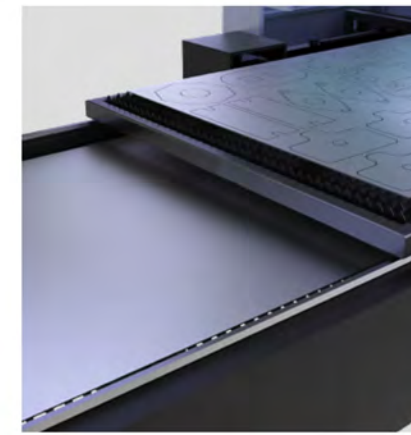
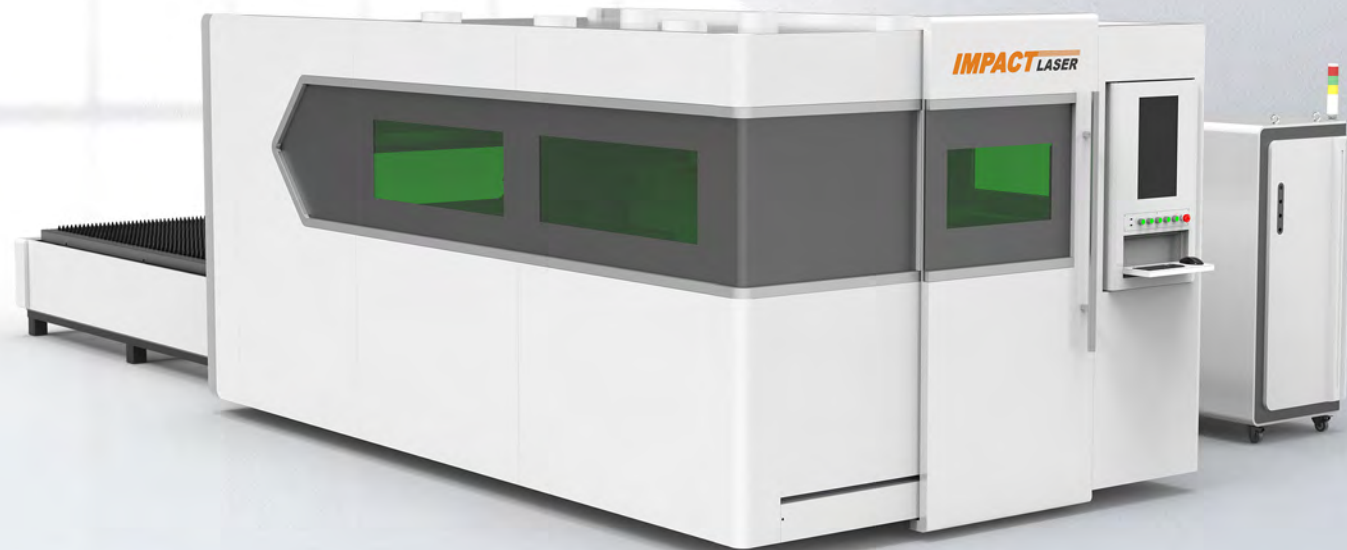
- The fully enclosed design effectively isolates the cutting area, preventing laser radiation, sparks, and metal debris from escaping.
- The automated safety system allows operators to work more efficiently, improving overall productivity and throughput.
- Even during prolonged continuous operation, it achieves higher cutting precision, smoother cut edges, and more stable cutting quality.
- With a sealed enclosure and efficient dust extraction system, fumes and metal particles are contained and filtered during operation.

T Series	1325T	3015T	4020T	6025T
Working size	1300x2500mm	1500x3000mm	2000x4000mm	2500x6000mm
Laser power	1000w--20000w			
Max.moving speed	120m/min			
Acceleration	1.0G--4.0G			
Position accuracy	±0.02mm			
Repeatability accuracy	±0.02mm			
Optional type	Open type and single table			

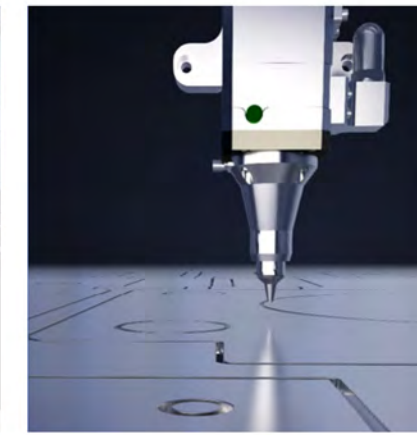
HIGH POWER ENCLOSED LASER CUTTING MACHINE

Strong protection reduces smoke leakage and keeps the working environment cleaner

- Dual exchange tables for high efficiency
- Powerful high-power cutting capability
- Rigid and stable machine structure



Exchange Table



Auto Focus Laser Head



Intelligence Control System

Performance advantages

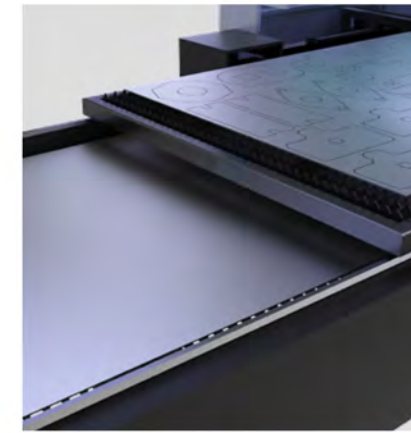
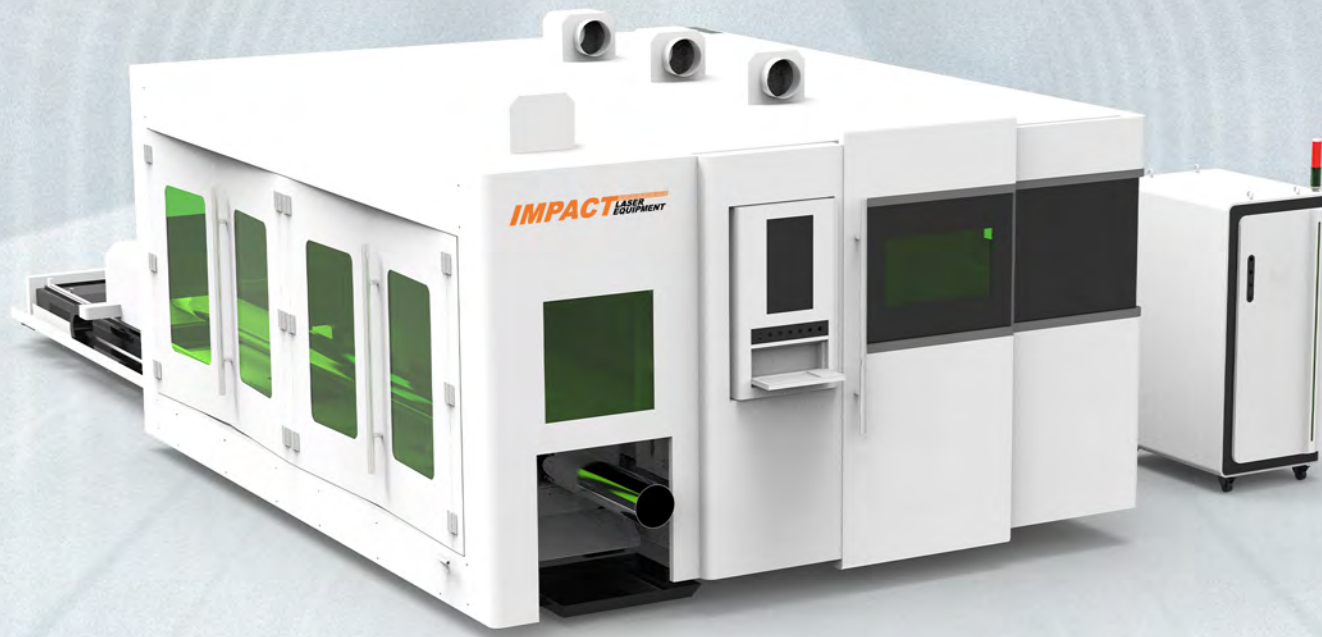
- Adopts full enclosed protective cover, which can prevent laser from hurting people.
- Two platform can exchange automatically at same time within 20s, which improve working efficiency greatly.
- The built-in smoke purification system will avoid avoid environmental pollution.
- With lubrication abnormality alarm and low liquid level alarm functions.

BD Series	3015BD	4020BD
Working size	1500x3000mm	2000x4000mm
Laser power	3000w--20000w	
Max.moving speed	120m/min	
Acceleration	1.0G--4.0G	
Position accuracy	±0.02mm	
Repeatability accuracy	±0.02mm	
Optional type	Full cover and exchange table	

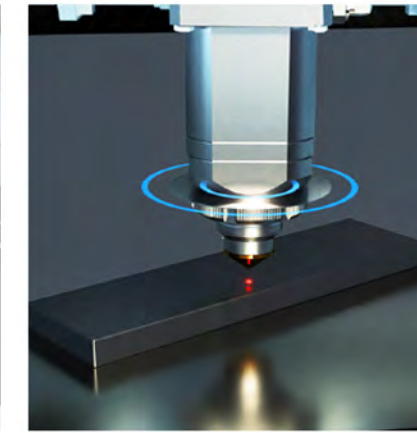
SHEET & TUBE ENCLOSED LASER CUTTING MACHINE

Compact footprint with high integration, suitable for diverse applications

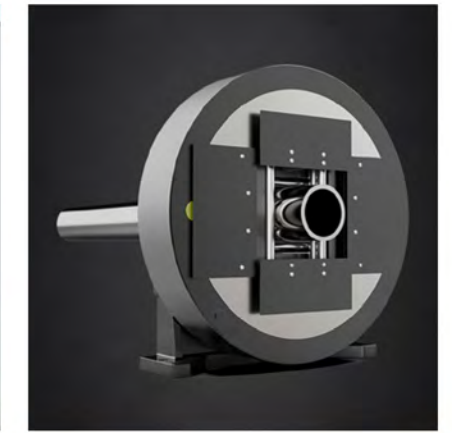
- Automatic clamping and rotary system
- Safety and environmental control
- Dual-use machine



Exchange Table



Avoid Collision in Travel



Pneumatic Self-Centering Chuck

Performance advantages

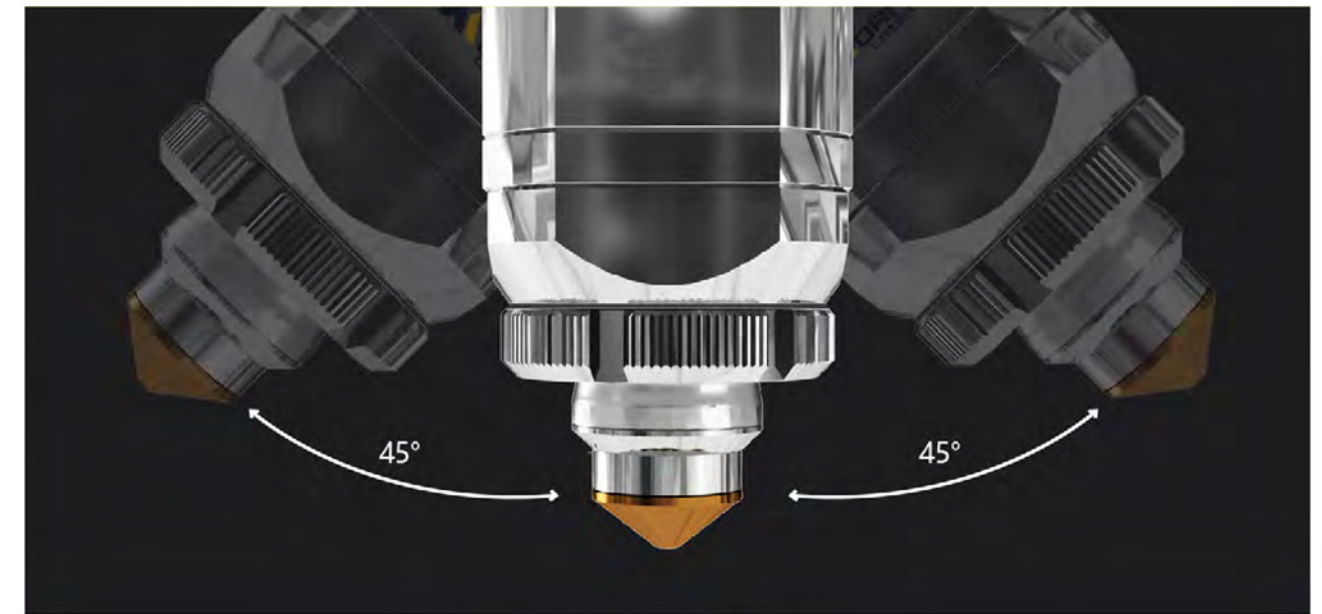
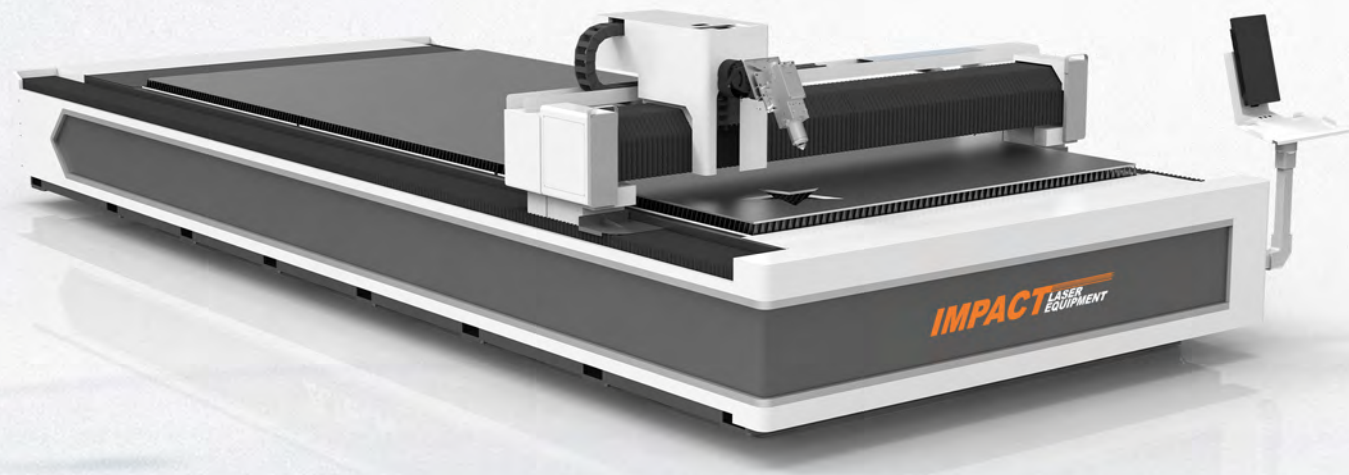
- Adopts full enclosed protective cover, which can prevent laser from hurting people.
- Two platform can exchange automatically at same time within 20s, which improve working efficiency greatly.
- This machine = Plate cutting + Tube cutting. It will save your purchasing cost and transportation cost.
- Adopts double pneumatic chucks, which is 2-3 times faster than traditional electric chunks.

BCD Series	3015BCD	6020BCD
Sheet working size	1500x3000mm	2000x6000mm
Tube length	3m--12m	
Laser power	1000w--20000w	
Clamping tube diameter	Ø 20-360mm	
Max.moving speed	120m/min	
Acceleration	1.0G--4.0G	
Position accuracy	±0.02mm	
Repeatability accuracy	±0.02mm	

METAL BEVEL FIBER LASER CUTTING MACHINE

Capable of cutting carbon steel, stainless steel, aluminum, and other metals, especially effective for thick plates

- Multi-angle bevel cutting
- High cutting accuracy
- High processing efficiency



Make Perfect Bevel in One-time

Performance advantages

- The high-power groove cutting head is equipped with a special groove three-dimensional five-axis cutting system.
- Automatic focus cutting head. It can shorten the perforation time, improve the perforation quality and cutting speed.
- With high temperature annealing and natural aging, the welding stress is eliminated, which can prevent the deformation of the bed.
- Intelligent cnc system. Easy to operate even by green hands.

P Series	3015P	6020P
Working size	1500x3000mm	2000x6000mm
Laser power	3000w--20000w	
Max.moving speed	120m/min	
Acceleration	1.0G--2.0G	
Position accuracy	±0.02mm	
Repeatability accuracy	±0.02mm	
Cutting bevel type	I/Top V/Bottom V/Special V/Top Y/Bottom Y/X/K	

HANDHELD METAL LASER CLEANING MACHINE

Continuous laser output, ideal for large-area cleaning

- Handheld and portable
- Wide applicability
- Easy to operate



Laser Head



Operating System

Performance advantages

- Environmentally friendly, no need for any chemical agents or cleaning liquids.
- Non-contact cleaning, no medium residue, and no secondary pollution.
- No working medium consumption, only electricity consumption, low usage and maintenance costs.
- The main cleaning waste is solid powder, small in volume, and easy to collect for recycling.
- Selective cleaning can be achieved without damaging the substrate.
- Ideal for hard-to-reach areas or surfaces, suitable for hazardous or dangerous environments.

C Series	C1000	C1500	C2000	C3000
Laser power	1000w	1500w	2000w	3000w
Laser source	MAX/Raycus			
Supply voltage	Single Phase 110V± 10%, 50/60Hz AC			
Fiber cable length	5m custom extensions available			
Laser wavelength	1064nm			
Cooling system	Water cooling			
Complete power	≦ 3000w			

HANDHELD METAL LASER WELDING MACHINE

Continuous laser output ensures smooth and uniform welds

- Handheld and lightweight
- Wide applicability
- Easy to operate



Laser Gun



Operating System

Performance advantages

- Welding and cutting can be freely switched, requiring only the replacement of the welding copper nozzle with the cutting copper nozzle, which is very convenient.
- Handheld laser welding is a form of thermal fusion welding. Compared to traditional welding, laser welding has a higher energy density, resulting in better welding effects.
- High efficiency. Fast welding speed, large depth, and small deformation.
- The welding zone experiences minimal heat impact, is less prone to deformation or blackening, and does not leave traces on the backside.

W Series	W1000	W1500	W2000	W3000
Laser power	1000w	1500w	2000w	3000w
Fiber length	10m/12m/15m/Maximum20m			
Supply voltage	220V Single Phase			
Operating mode	Continuous			
Laser wavelength	1080nm			
Cooling system	Water cooling			
Laser source	MAX/Raycus			

AIR COMPRESSOR FOR LASER CUTTING

Air Compressor can work at high temperatures or in low conditions

- Safe and convenient
- Good energy conservers
- Massive air flow



Reliable factory quality

Performance advantages

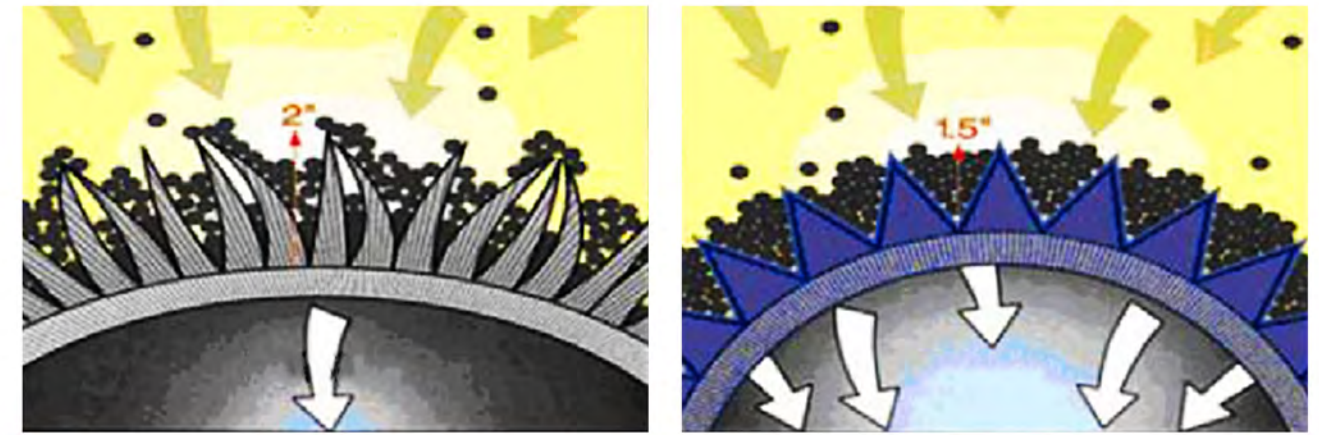
- 4-in-1 design, equipped with screw air compressor, efficient cold and dry machine, large capacity gas storage tank, five-stage precision filter, for laser cutting to provide efficient and stable, high purity of compressed air, to ensure the quality and efficiency of laser cutting process.
- Rotary screw air compressors do not require a lot of maintenance and are very versatile. In addition, they are relatively quiet.
- Rotary screw machines are generally energy efficient, and they generate less heat than normal air compressors.

Power(kw)	7.5	11	15	22
Working pressure(bar)	8/10/13/16	8/10/13/16	8/10/13/16/20/30	8/10/13/16/20
Flow(m ³ /min)	1/0.8/0.7/0.6	1.5/1.4/1.0/0.9	2/1.9/1.6/1.2-1.5/0.9/1.1	3.6/3.2/2.4/2.2/1.8
Type	Single stage			
Cooling	Air cooling			
Weight(kg)	420	440	450	480
Size(L*W*H mm)	1760×600×1500	1760×700×1600	1800×700×1760	1800×750×1700

INDUSTRIAL CLEANING DUST COLLECTOR

Dust collectors are widely used in various industrial dust control applications

- High filtration efficiency
- Long lifespan
- Easy maintenance



Standard Filter Cartridge VS Our Filter Cartridge

Performance advantages

- Because the filter components are installed at an angle, this ensures effective dust removal while also making the installation and replacement of the filter cartridges convenient.
- The air purifier uses a high-efficiency filter cartridge as its filtering element. The filter material used in this cartridge is different from conventional filter materials, as its surface is coated with a layer of PTFE film.
- It boasts advantages such as high purification efficiency, large gas processing capacity, stable performance, convenient operation, long filter cartridge lifespan, and low maintenance requirements.
- Pulse jet cleaning requires clean compressed air at a pressure of 0.4–0.6 MPa, and this pressure must be maintained continuously and constantly during operation.

Model	ZD5.5
Power	5.5KW
Airflow Rate	6000m ³ /h
Dimensions	1060*940*2100 (mm)
Rated Operating Voltage	Three-phase 380V
Rated Operating Frequency	50HZ
Filtration Efficiency	99.50%
Filtered Particles	0.5um
Dust Removal Method	Pulse Jet Cleaning
Filter Area	64m ²

MAIN CONFIGURATION



Aviation Tensile Aluminum Beam

The machine is manufactured to aerospace standards and extruded under 4300 tons of pressure. The beams undergo T6 heat treatment, increasing strength and stiffness by more than 20%.

Strong and Stable Structure

With high temperature annealing and natural aging, the welding stress is eliminated, which can prevent the deformation of the bed, reduce vibration and guarantee a good cutting accuracy.



Automatic Focus Cutting Head

Laser head with automatic focus function, which can adjust the focus automatically, no need to adjust it by hand. The software can change the focusing lenses automatically according to the different thickness of the materials. It can shorten the perforation time, improve the perforation quality and cutting speed. It's simple, convenient and fast.

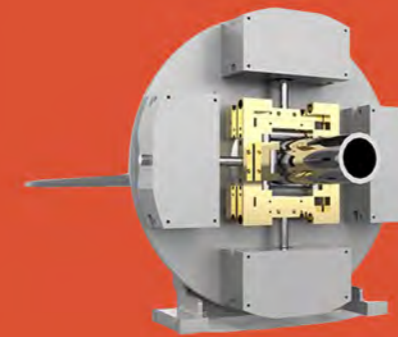
Japan Fuji Servo Motor and Drivers

- Closed-loop control, no lost steps, high precision.
- Good high-speed performance, rated speed can reach 3000 rpm generally.
- Running smoothly even at low speed.



Intelligent Control System

FSCUT is a cost-effective laser control system applies to 1.5-8kw power cutting, realizes control of motion, laser, and cutting gas, common used in sheet metal, kitchen ware, and light fixture.



Rotary chuck pneumatic clamping

The front and rear of the rotating axis of the fiber laser tube cutting machine are clamped by pneumatic chucks, which can process large diameter tubes. The high-speed rotation of the chuck can improve the processing efficiency.

Pneumatic Self-Centering Chuck

The four-jaw, dual-power, automatic, pairwise centering structure can clamp parts that are symmetrical about their central axis, such as round, square, rectangular, and elliptical parts.



Dust-proof Electrical Cabinet



Laser Source



Water Chiller



SAMPLES SHOW

Fiber Laser Cutting machine can cut many metal materials, such as stainless steel, carbon steel, alloy steel, silicon steel, spring steel, aluminum, aluminum alloy, galvanized plate, aluminized zinc plate, pickling plate, copper, silver, gold, titanium, and other metal plates and pipes.

● Metal Sheet Cutting Samples



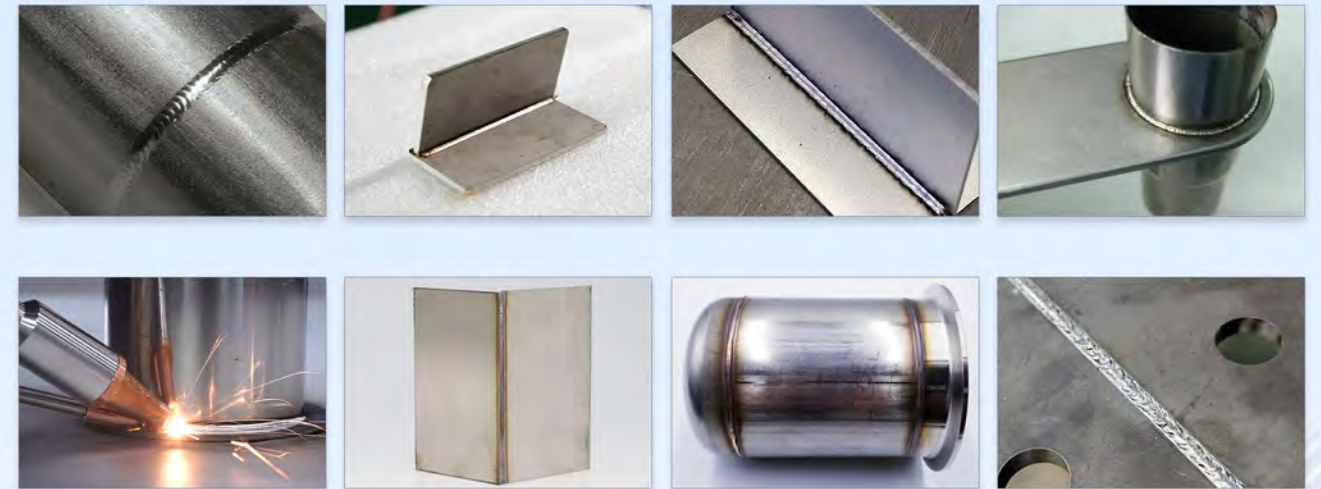
● Metal Tube Cutting Samples



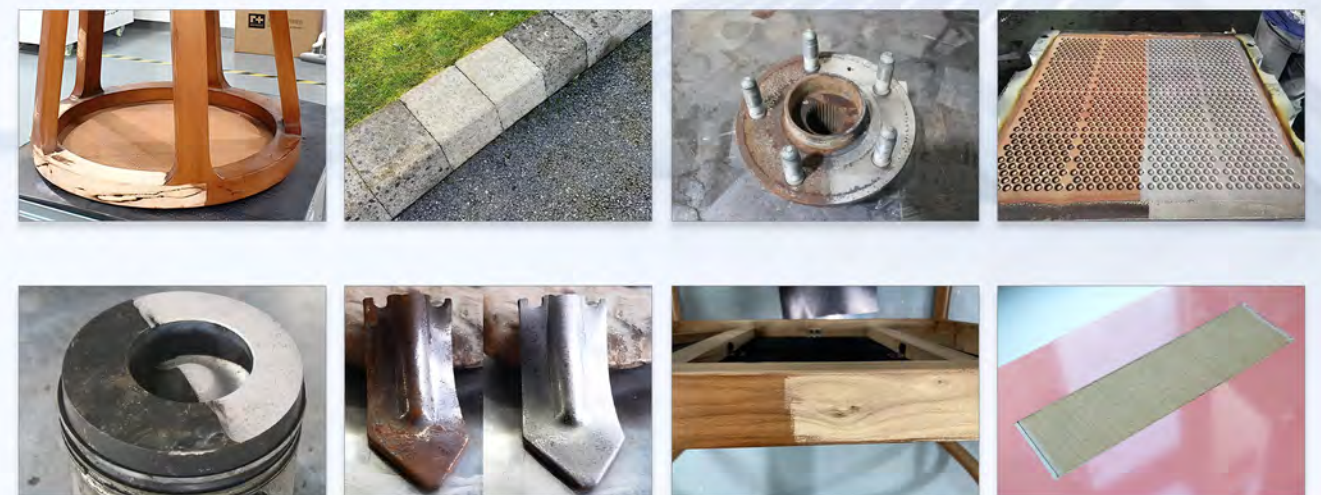
● Bevel Cutting Samples



● Welding Samples



● Cleaning Samples



Partners



RAYTOOLS

SMC

S&A

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柏楚电子
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FE Fuji Electric

DVT

IMPACT LASER EQUIPMENT

We are dedicated to providing reliable laser solutions and attentive service to every customer, ensuring consistent quality, efficiency, and long-term value.

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