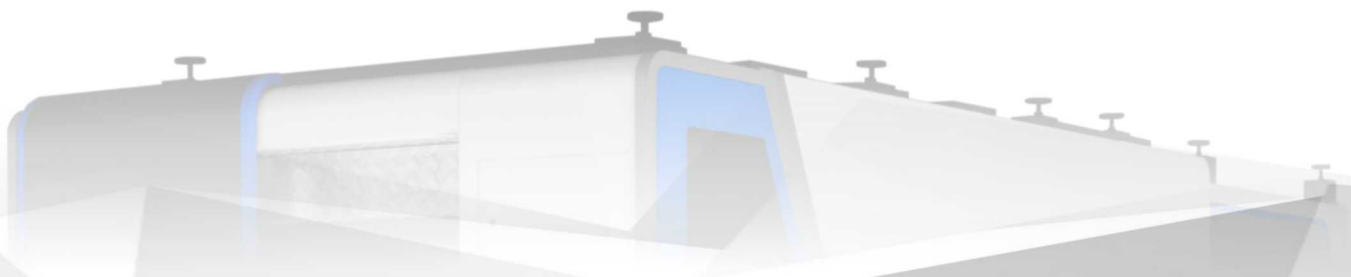
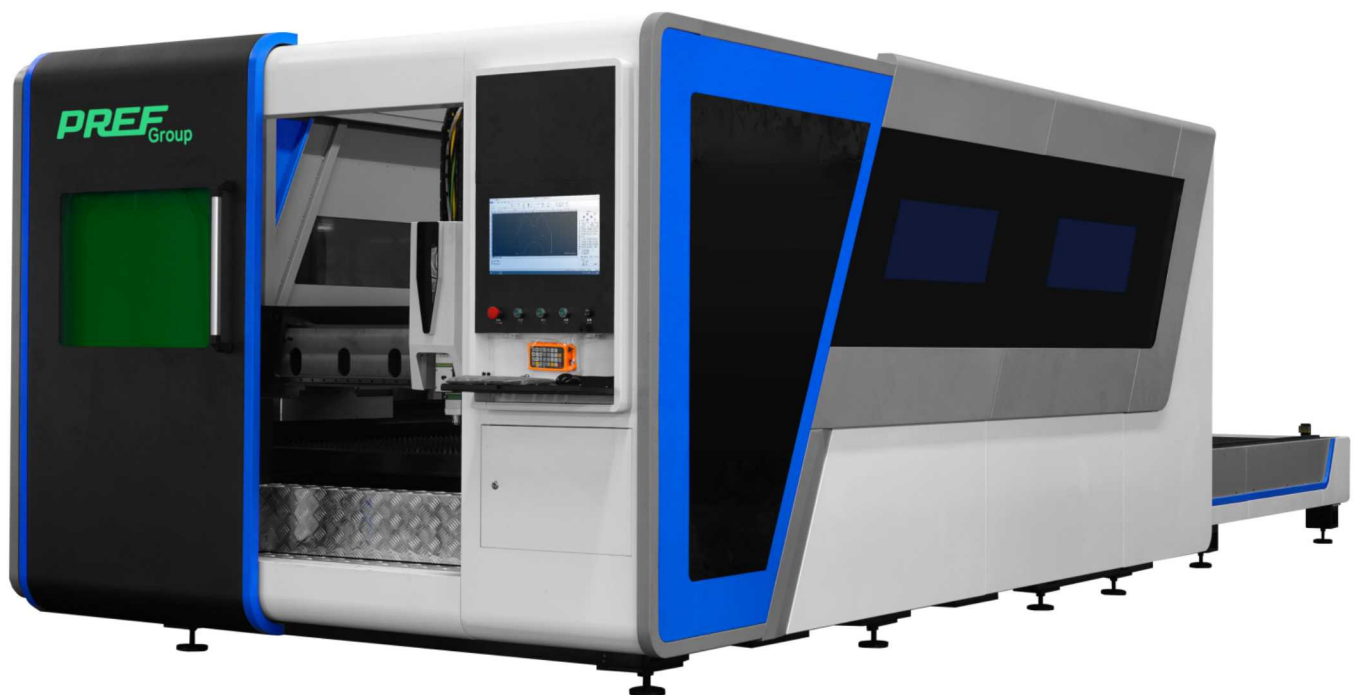


Fiber Laser Cutting Machine

Exchange Table Type



Technical Parameters

NO.	Item	Details	Brand	Remarks
1	Machine System: Gantry Double Drive Structure	Rack and gear	LEAN(6 level)	Germany
		Gear box	Motovario	France
		Beam structure	Aluminum beam structure	ZYMT
		Servo motor	Delta	Taiwan
		LM guides	HK(H level)	Taiwan
2	Laser Source	Max 1500W		China
3	Water Chiller	Hanli water chiller, the laser is equipped with water cooling system (double circulation system, heat exchange titanium tube, over temperature alarm, flow protection and water level protection)		China
4	Cutting Head	Raytools,autofocus		Swiss
5	Table	Single table		ZYMT
6	Controller	Bochu Cypcut		China
7	Exhaust System	Large flow fan (5.5kw)		China
8	Gas Distribution System	Throttle valve, pressure reducing valve, electrical proportional valve.		Japan

NO	Item	Unit	3015/1500W
1	Laser Power	W	1500
2	Table Size	mm	3000*1500
3	X, Y axis Position Speed	m/min	90
4	X, Y axis Moving Speed	m/min	125
5	Maxim Acceleration	G	1.2
6	Position Accuracy	mm/m	±0.03
7	Reposition Accuracy	mm	±0.02

How to Choose Laser Head Power?

	Carbon Steel (mm)	Stainless Steel (mm)	Aluminum (mm)	Brass (mm)
Material				
1.5 kw	0.4mm-16mm	0.4mm- 6mm	0.4mm- 5mm	0.4mm- 5mm
2 kw	0.4mm- 18mm	0.4mm- 8mm	0.4mm- 6mm	0.4mm- 6mm
3 kw	0.4mm- 20mm	0.4mm- 12mm	0.4mm- 8mm	0.4mm- 6mm
6 kw	0.4mm- 25mm	0.4mm- 20mm	0.4mm- 16mm	0.4mm- 14mm
12 kw	0.4mm- 45mm	0.4mm- 40mm	0.4mm- 22mm	0.4mm- 20mm

Standard Laser Source

MAX Source

- ✓ High wall-plug efficiency
- ✓ High speed in thin sheet cutting
- ✓ Less splash during cutting and welding
- ✓ High power density with flat-head distribution
- ✓ Strong capability in thick material processing
- ✓ Highly integrated system with modular design
- ✓ High stability and easy maintenance significantly reduce TCO
- ✓ Widely used in hardware processing, automobile, shipping, construction machinery, medical industries and more



Optional:

RAYCUS Source

- ✓ High electro-optical conversion efficiency
- ✓ Output fiber length can be customized
- ✓ QBH connector
- ✓ Maintenance-free operation
- ✓ Wide modulation frequency range
- ✓ Small size, easy to install



Machine Configuration



Integrated Machine Main-body

- ✓ The unique industrial structure design gives sheet metal laser cutting machines good performance.
- ✓ The whole welding bed has compact design, good rigidity, high strength, stability and reliability. It has higher precision and faster operation speed, and the single axis speed of air travel can reach 90m/ min.



Cutting Gantry Beam

- ✓ Aluminum beam, light weight, good rigidity, high precision, good dynamic characteristics.
- ✓ Solution treatment improves the strength and plasticity of the beam, optimizes and reduces its weight, and speeds up the movement.



Controller System

- ✓ The CypCut software is a set of laser cutting software for plane or tube cutting function, including laser cutting process processing, common layout function and laser processing control.
- ✓ The main functions include graphic processing, parameter setting, customized cutting process editing, layout, path planning, simulation and cutting process control software



Laser Cutting Head

- ✓ Optical path adaptive system
- ✓ Lens detection function
- ✓ Automatic height sensing function
- ✓ Additional lens protection of focus lens
- ✓ Collision detection function
- ✓ Automatic edge finding function



Servo system

It adopts the gear rack drive imported from Japan, double-sided linear guide; and adopts the servo motor drive system imported from Japan, combined with the CNC system commonly used in the market, its control has stronger stability, better compatibility and other features, so as to ensure the accuracy of the machine tool in high-speed movement.



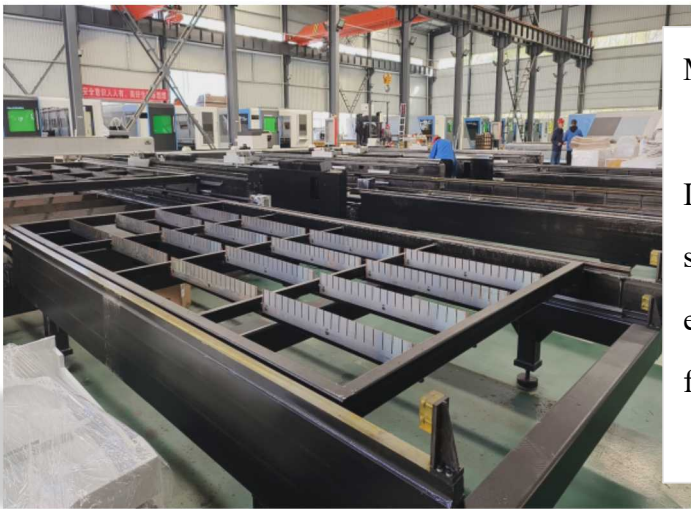
Wireless Hand-held Remote

- ✓ Precise Edge Finding
- ✓ Dual-Drive Error Offset
- ✓ Flexible Production Mode
- ✓ Statistic of Production
- ✓ Auto Optimize Imported Drawing
- ✓ Graphical Cutting Technique Setting



Transmission system

High precision, long life, can provide rigorous support for quenching helical gears and grinding helical gears, so that load drive structure is compact, can effectively reduce the driving torque.



Motorized-Automatic Exchange Table

Independent developed of high and low exchange table, simple and clever structure design, complete one exchange ≤ 15 seconds, efficient and save labor costs. The front of the motor is safe and anti-collision.

Optional Accessories



Air Compressor



Voltage Stabilizer

Laser Spare Parts

We also provide the most professional consulting and sales services for laser consumable parts.

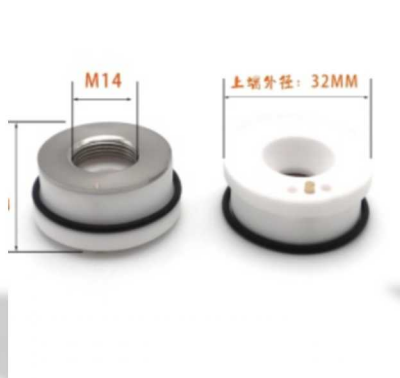
Protective Lens



Laser Nozzle



Ceramic Ring



Company Introduction

23 YEARS EXPERIENCE

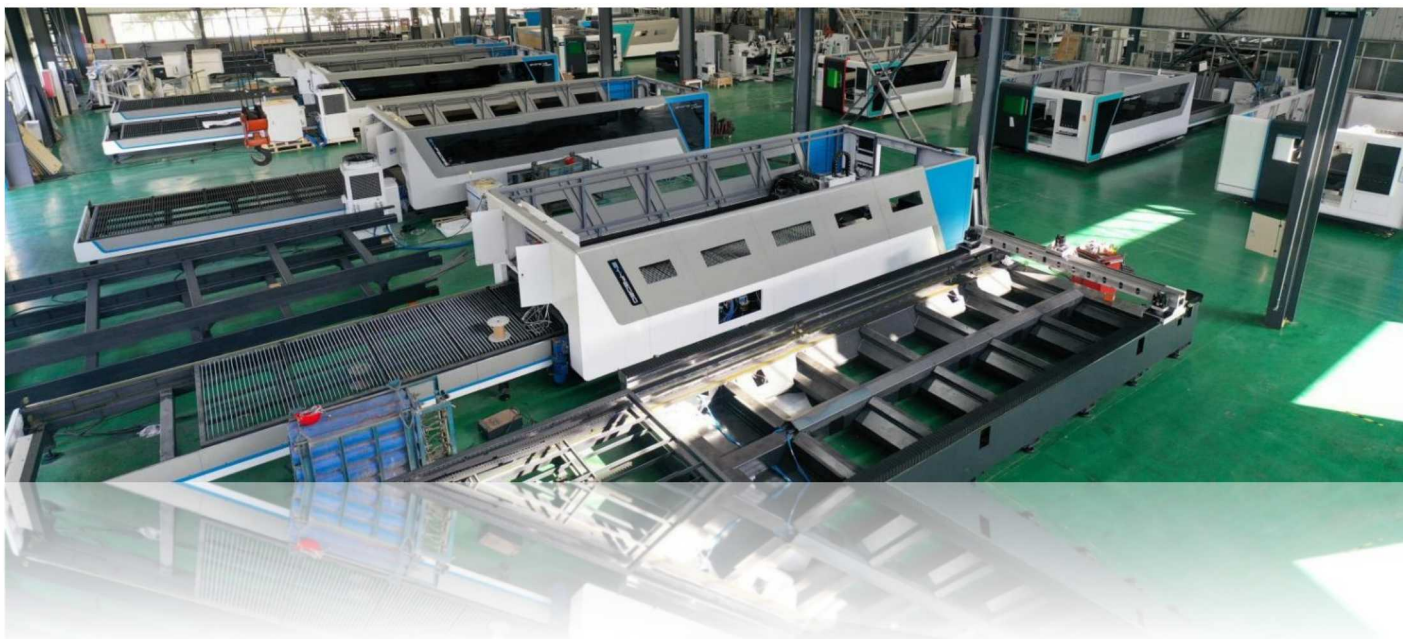
Founded in **2001**, has rich production experience and strong production strength

SUPER FACTORY SCALE

- ✓ **40+** Billion Dollar Processing Equipment.
- ✓ **300+** Employees
- ✓ **50+** Engineers

WIDE RANGE PRODUCTS

Powerful production capabilities can satisfy the demands for up to **12000T** press brake and **50KW** laser cutting



The 6 CNC floor-standing boring and milling machines are used to process the machine body, ensuring the machine's ultra-high precision and guaranteeing delivery time.



The 16-meter-long CNC gantry milling machine processes the entire body of the large machine, ensuring the ultra-high overall precision of the large machine.

All machine bodies are tempered and use stress relief annealing technology to ensure no deformation of the bed and eliminate the internal stress caused by welding the machine bodies. Allowing the machines to operate for a long time with high precision, this process will increase costs by 10%.



The 12 CNC machining centers produce machine parts to ensure high precision and on-time delivery.

Delem

CYBELEC
INFRANOR GROUP COMPANY

ESTUN
AUTOMATION

RAYTOOLS

Raycus

MAX 创鑫激光

esa AUTOMOTION
The Powerful CNC Intelligence

Schneider
Electric

SIEMENS

rexroth
A Bosch Company

FAGOR
ELECTRÓNICA



HAWES
HYDRAULIK

KACON

VOITH

n LIGHT

NOK

DELTA

PMI
Linear Motion Systems

WILA
SINCE 1932
THE PRESS BRAKE PRODUCTIVITY PEOPLE

HIWIN®

HOERBIGER

After Sales Service

✓ OEM Service

Customize them according to the practical use of customers.

✓ Spare Parts & Consumables

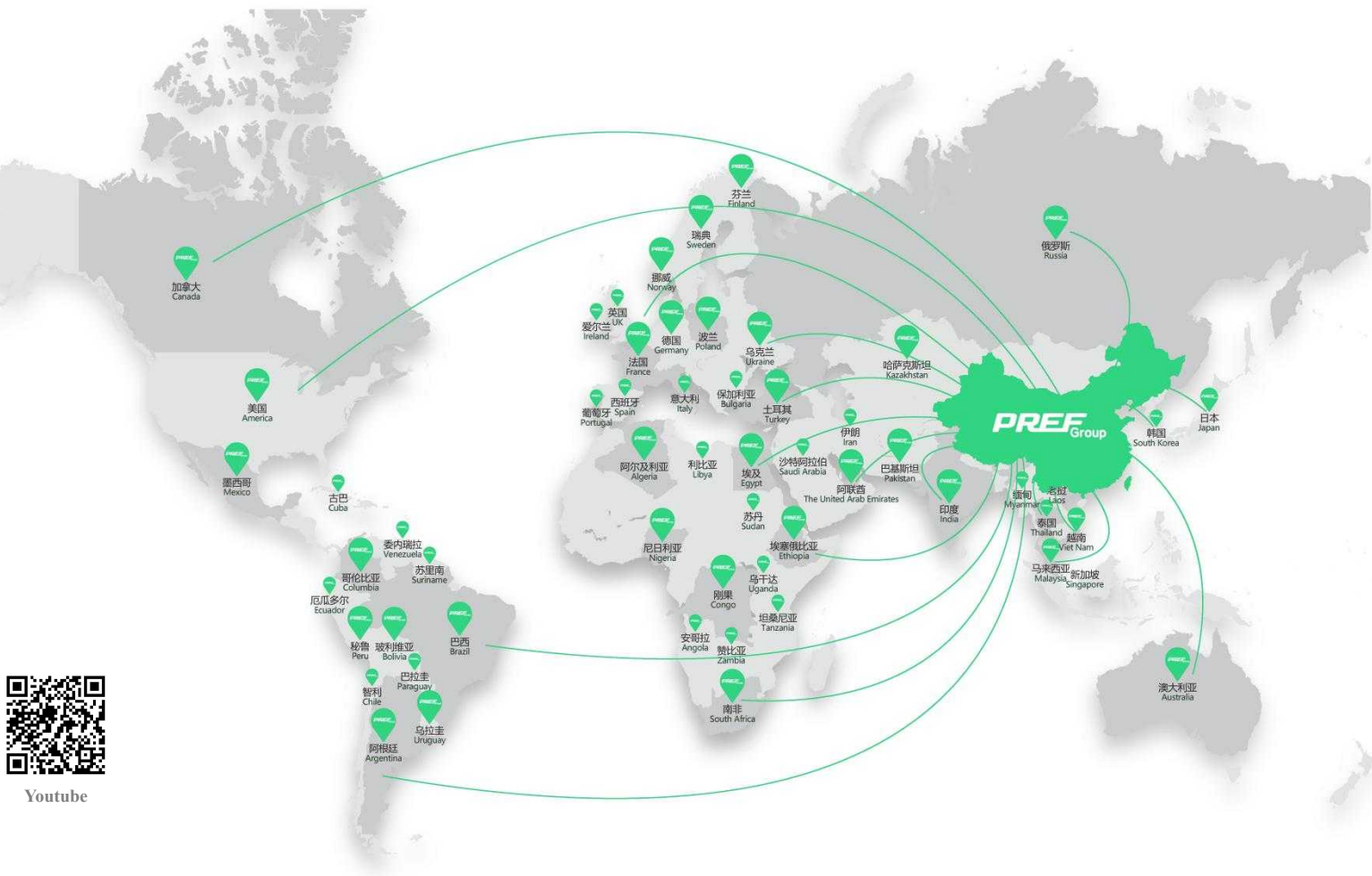
We have current spare parts and consumables available for you with fast delivery.

✓ Technical Support

We have a professional technical team to provide solutions for the bending and cutting process.

✓ Training Service

Our engineer have long experience in the field of sheet metal machines and have an answer on every question regarding metal bending and cutting.



Youtube