

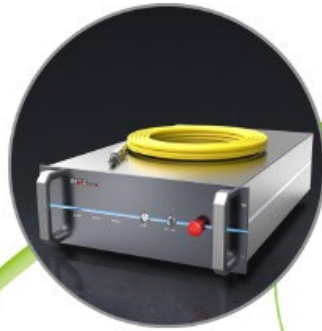


FIBER LASER CUTTING 3015D





MAX
Fiber Laser
Generator



FASTON
reducer



Auto focusing
laser head
BM110 Raytools

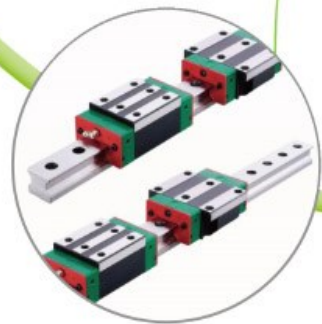


Cypone controller



electrical components

Taiwan HIWIN
Linear Guide Rails



L-EAN



DELTA servo motors





1500W

Single Module CW Fiber Laser



Product Feature



Up to 6KW Output From CW Single Module Series

Better beam quality vs. multi module lasers
Greatly improved efficiency



Excellent Material Processing Performance

High speed in thin sheet cutting
Strong capability in thick material processing



Compact Design, Maintenance Free

Highly integrated system with modular design
Easy maintenance significantly reduce TCO



Smaller Size with Higher Stability

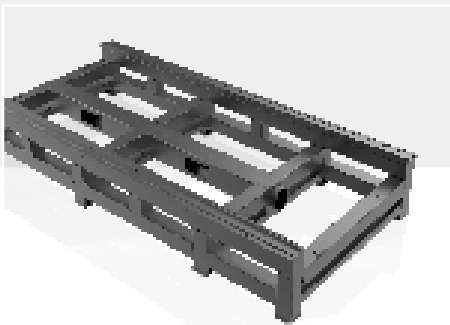
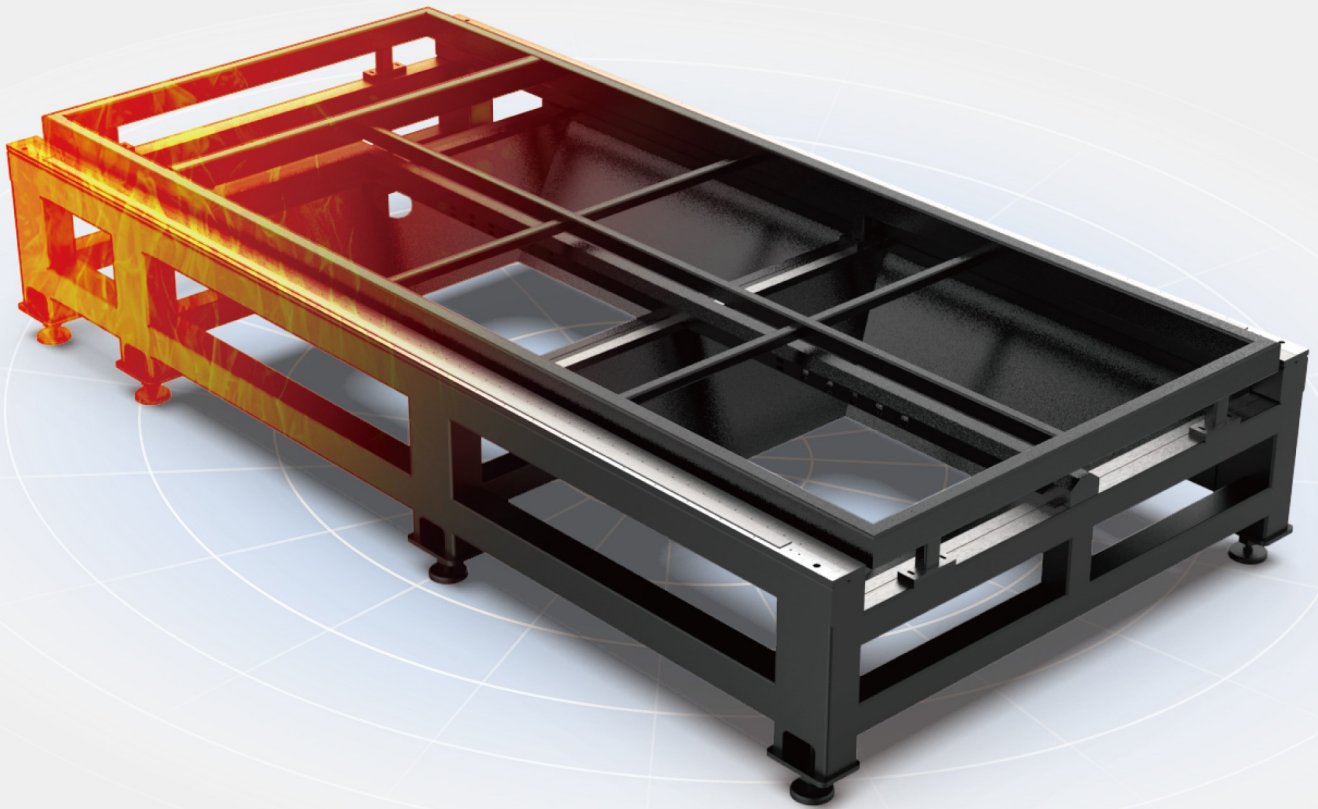
>60% reduction in volume
Higher flexibility when integrated in to system



High Level Vertical Integration

All key components are designed and produced in house
Strict quality control, high consistency and reliability

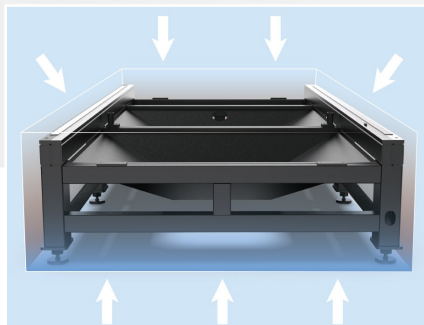
Industrial Machine Bed



The Segmented Rectangular Tube Welded Bed

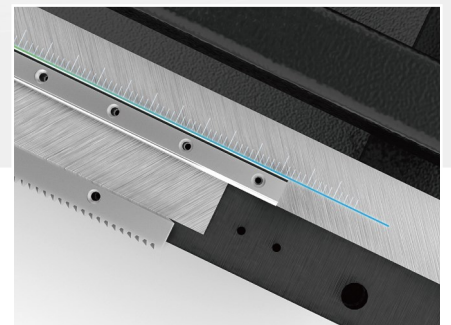
ngular Tube Welded Bed

The internal structure of the bed adopts the aircraft metal honeycomb structure, which is welded by a number of rectangular tubes. Stiffeners are arranged inside the tubes to increase the strength and tensile strength of the bed, it also increases the resistance and stability of the guide rail so as to effectively avoid the deformation of the bed.



Lifetime Service

It ensures the accuracy of the machine working for a long time, and it will not deform during its lifetime use.



Higher Precision

The use of welding pipe as a raw material keeps the precision of the machine tool for a long time and remains unchanged for 10 years.

Laser



Multiple Protection

3 pieces of protection lens, highly effective protection of collimating focus lens. 2-way optical water cooling, effectively extending the continuous working time.

High-precision

The closed-loop stepping motor is adopted to effectively avoid step loss. The focusing speed is 100 m m / s and the repetition accuracy is 1 μ M. IP65 class dust-proof, patent protection mirror cover plate, dust-proof without dead angle.

Various Brands Of Laser Head Are Available

We can provide all high quality laser heads in.it has been tested by us for a long time. Empower/WSX all of our long-term partners.

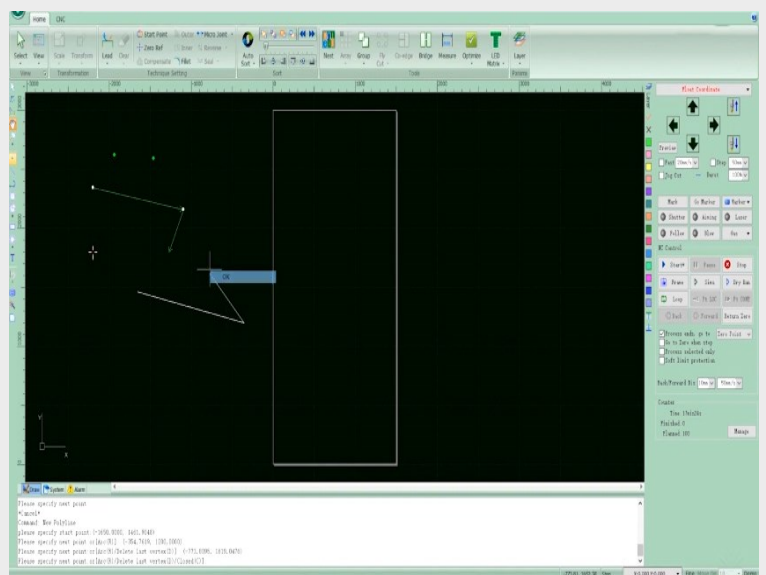
Control System

Cutting technique

Support offset tube center error in production to improve through holes cutting precision; Support steel channels cutting; Support separation technique for corner cutting. Support auto loading/unloading process, cycle production and automatic tube feeding. Support all functions of cypone

Control performance

Open-loop control system, Friendless 5th generation motion control algorithms. Trajectory accuracy 0.02mm, positioning accuracy 0.001mm, repeatability 0.003mm. Access encoder feedback in real time, to



BM110 SERIES



Medium Power Automatic Focusing Cutting Head

Power Rate **3.3KW**

Excellent Design

Optimized optical configuration and smooth and efficient air flow design significantly improve cutting quality and efficiency

Auto focus

Automatic focusing, reducing human intervention, automatic focusing range +10~-14mm, adjustment accuracy 0.05mm



Multiple cover glass protection

Collimation adds a protective lens to effectively protect the collimating lens.

Drawer lens Assembly

Fast and simple replacement of protective lenses

High Adaptability

With QBH, QCS and other types of optical fiber interfaces, it can be adapted to various mainstream laser devices

Specifications

自动调焦 Auto focus

- 范围 Range	+10mm ~ -14mm
- 加速度 Acceleration	≤ 10 m/s ²
- 速度 Velocity	≤ 6m/min
- 精度 Accuracy	≤ 50 μm

光纤接口 Fiber Interface QBH, QD

通光孔径 Clear 28 mm

保护镜片 Cover glasses

- 准直保护 Collimation side	Φ24.9mm * 1.5 mm
- 聚焦保护 Focusing side	Φ27.9mm * 4.1 mm

辅助气体气压 Assist gas pressure ≤ 25 bar

重量 Weight ~ 3 kg

Optional Tip Components

Suitable for different cutting scenes.



Plane



Three-dimensional



Fixed Configuration

Model	3015D
Control System	Raytools
Drives and Motors	DELTA Servo Motor System
Fiber Laser Head	Raytools Automatic Focus Laser Head BM110
Bearings	Japan NSK Bearings
Electric Proportional Valve	Japan SMC Electric Proportional Valve
Guide Rails	Hiwin Rails
Rack and Gear	L-EAN Rack
Lubrication	Automatically Lubrication System
Reducer	FASTON
Electron Component	France SCHNEIDER
Chiller	S&A
Voltage	380V 3Ph 50/60Hz

Optional Configuration

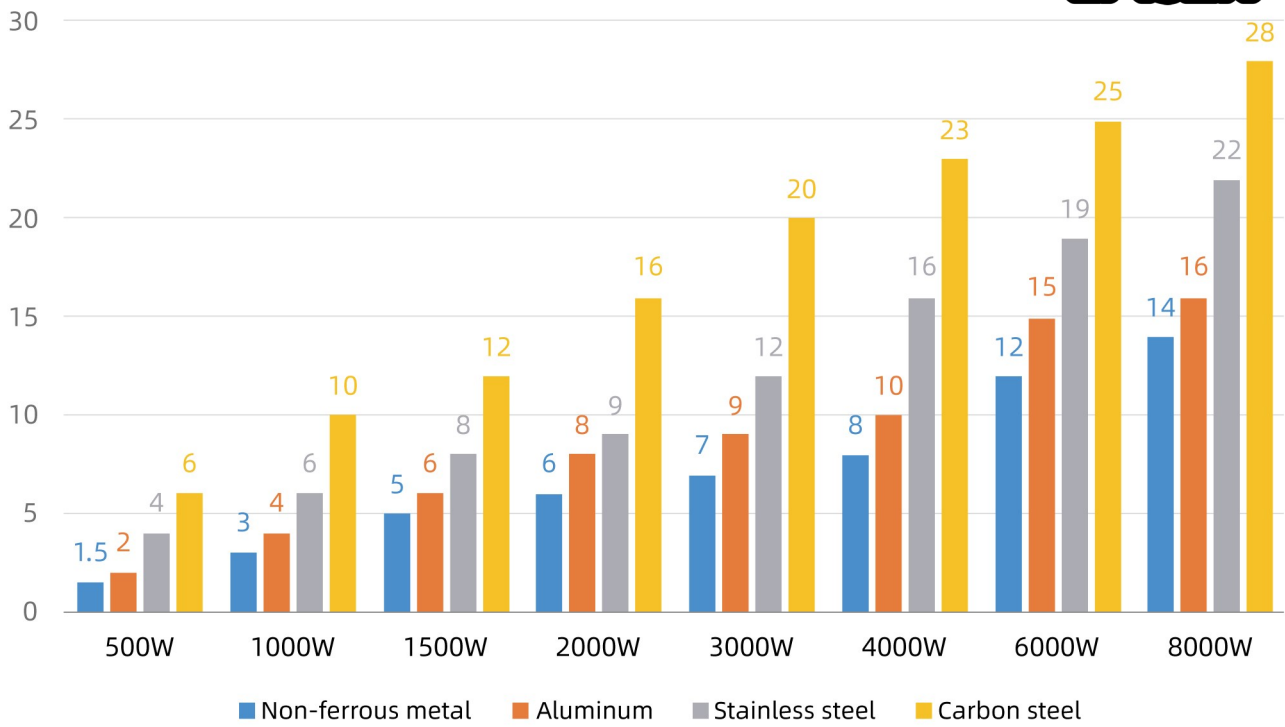
Model	3015D
Control System	Weihong (With error compensation function)
Drives and Motors	Weihong Servo Motor System
Fiber Laser Head	BM110 Automatic Focus Laser Head



Technical Parameters

Model	3015D Fiber Laser Cutting Machine
Working Size	1500*3000mm
Laser Power	1500W (3000W as options)
Laser Wavelength	1080nm
Laser Beam quality	<0.373mrad
Working Life of Fiber Source	More than 10,0000 hours
Position Type	Red Dot Pointer
Cutting Thickness	0.5-12mm Within The Range Standard Precision
Max. Idle Running Speed	40M/min
Geometric Position Accuracy	Within $\pm 0.05\text{mm/M}$
Reorientation Accuracy	Within $\pm 0.03\text{mm/M}$
Lubrication System	Electrical Motored
Min. Line Width	$\pm 0.02\text{mm}$
Power Consumption	$\leq 10-22\text{KW}$
Auxiliary Gas for Cutting/Assist sys	Oxygen, Nitrogen, Air/Japan SMC
Compatible Software	AutoCAD, CorelDraw, etc.
Handle Control	WIFI Wireless Control Handle
Graphic Format	DXF/PLT/AI/
Power Supply Voltage	380V/50Hz/60Hz
Warranty	1 Years

Cutting parameter



Application



اصفرهان ارغوانیه بلوار سروستان پلاک ۳۹

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