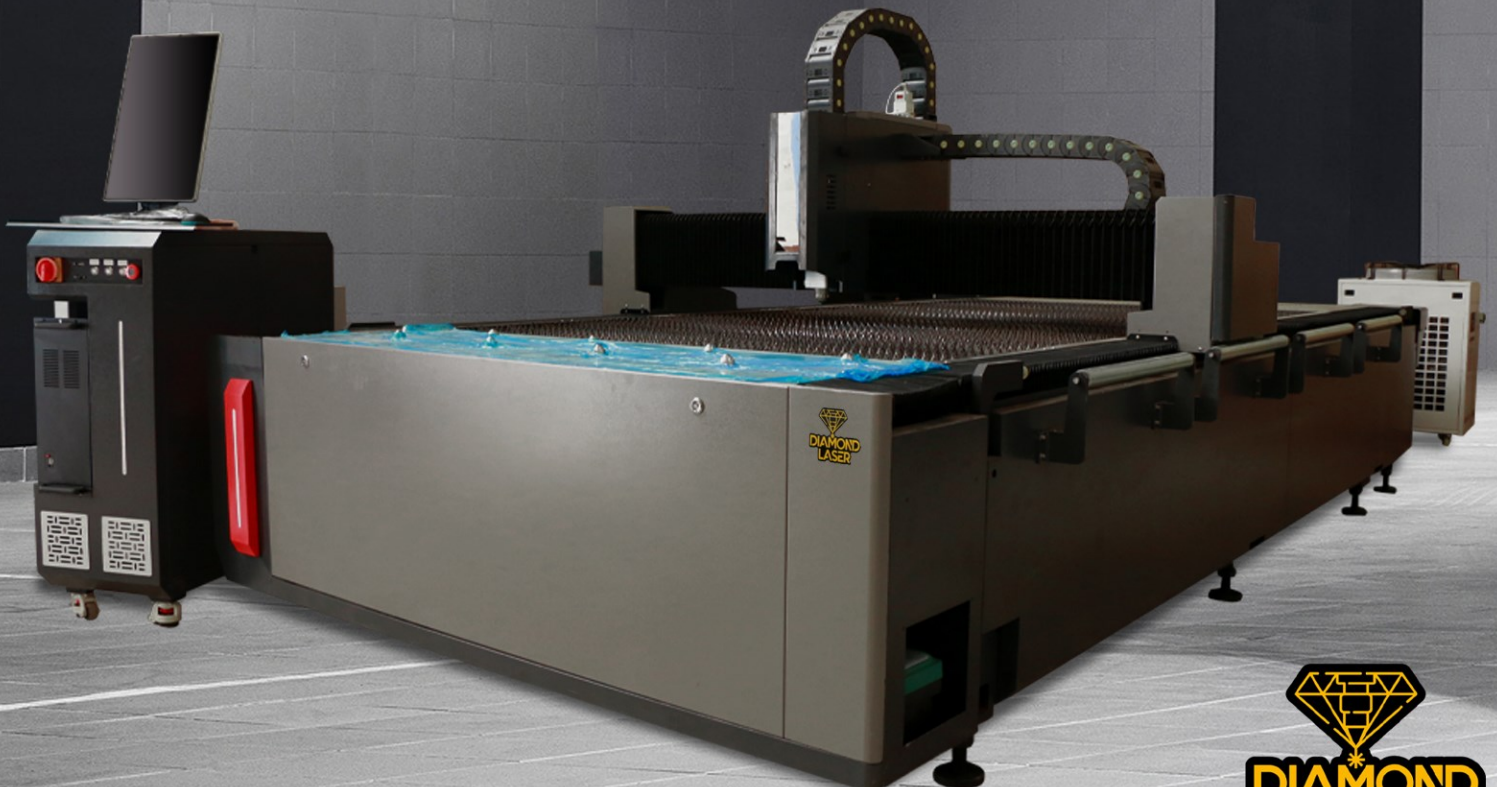




# FIBER LASER CUTTING 3015H





**FIBER LASER CUTTING**

**3015H**



[www.simayeshahr.com](http://www.simayeshahr.com)



MAX  
Fiber Laser  
Generator

FASTON  
reducer

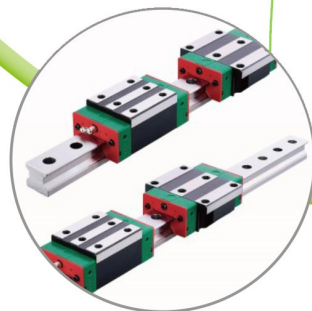
Auto focusing  
laser head  
bmIII Raytools

Cypcut controller  
2000E

YASKAWA  
servo motors



L-EAN  
Rack and Gear



Taiwan HIWIN  
Linear Guide Rails



electrical components





# 1000X > 1500X > 2000X > 3000X


## 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

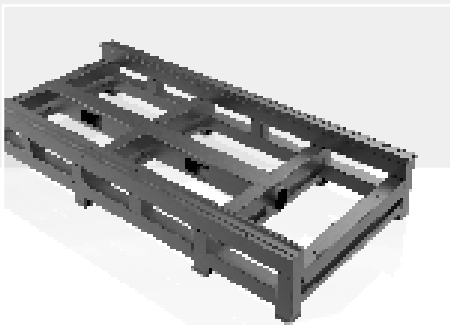
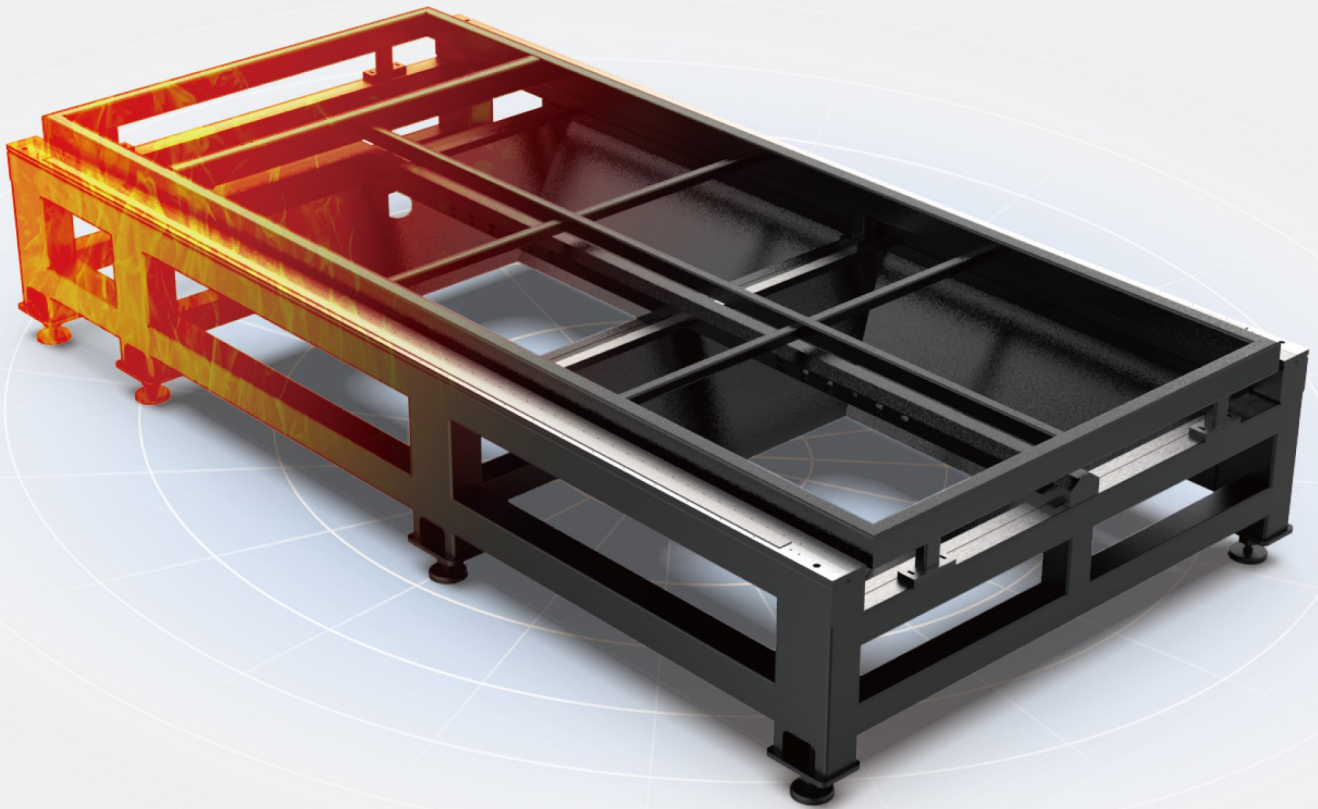
 **Excellent Material Processing Performance**  
High speed in thin sheet cutting  
Strong capability in thick material processing

 **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

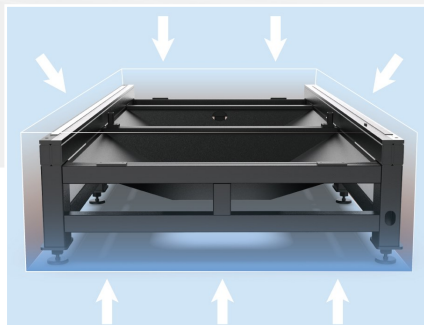
# Industrial Machine Bed



## The Segmented Recta

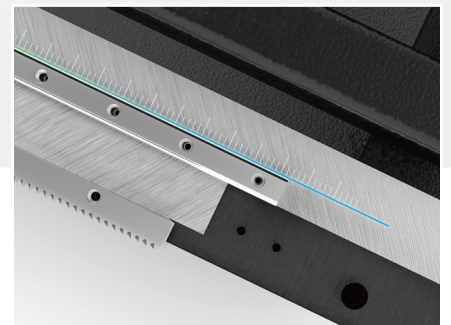
### ngular Tube Welded Bed

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.



Lase



Multiple

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

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.

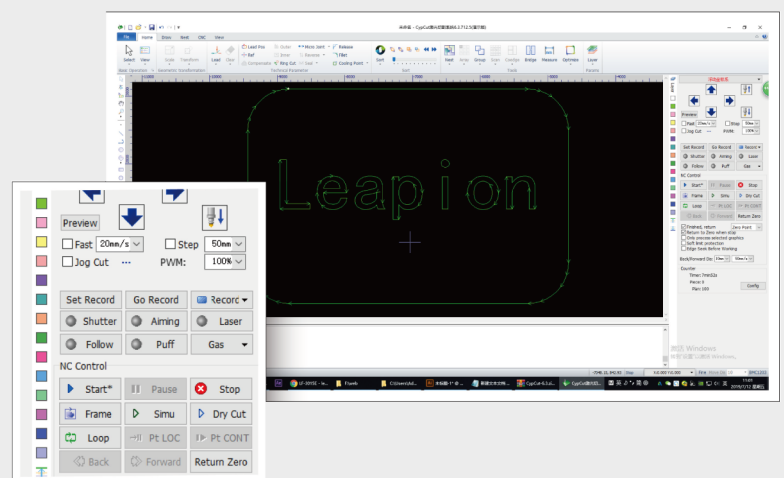
## Control System

### 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 FSCUT2000

### Control performance

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

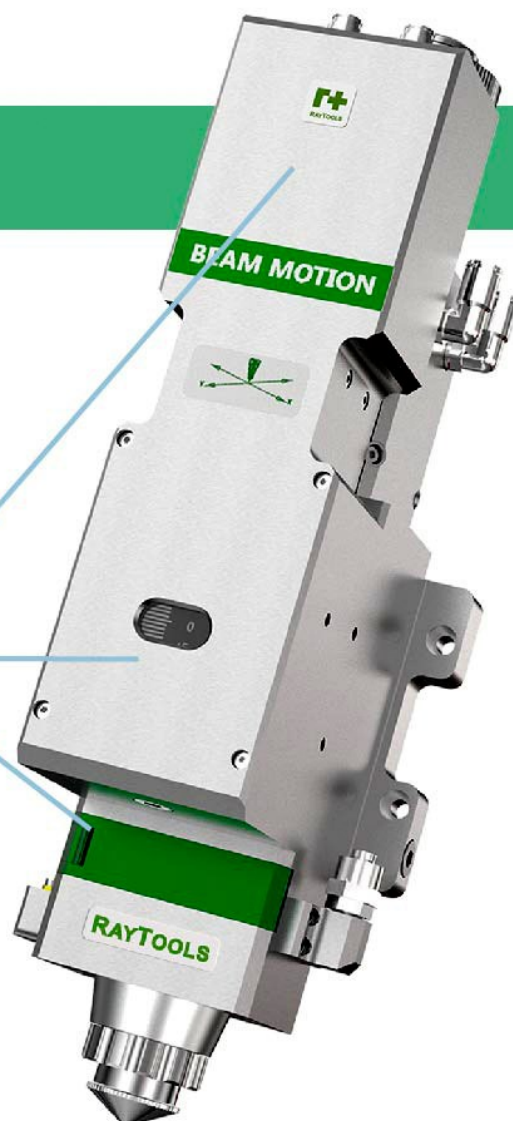


# BM111

自动调焦平面切割头

Auto-Focusing 2D Cutting Head

功率等级  
Power Rating **3300W**



## 多重保护镜片 Multiple cover glass protection

3片保护镜片, 高效保护准直聚焦镜片  
Three cover glasses to protect focusing & collimation lens

## 技术参数 Specifications

自动调焦 Auto focus	
- 范围 Range	+10 ~ -12 mm
- 加速度 Acceleration	Max 10 m/s <sup>2</sup>
- 速度 Velocity	Max 10 m/min
- 精度 Accuracy	50 μm

光纤接口 Fiber Interface	QBH, QD
通光孔径 Clear Aperture	28 mm
保护镜片 Cover glasses	
- 准直保护 Collimation side	Φ24.9* 1.5 mm
- 聚焦保护 Focusing side	Φ27.9* 4.1 mm
准直镜焦距 Collimator Focal length	100mm
聚焦镜焦距 Focusing Focal length	125mm, 155mm, 200mm

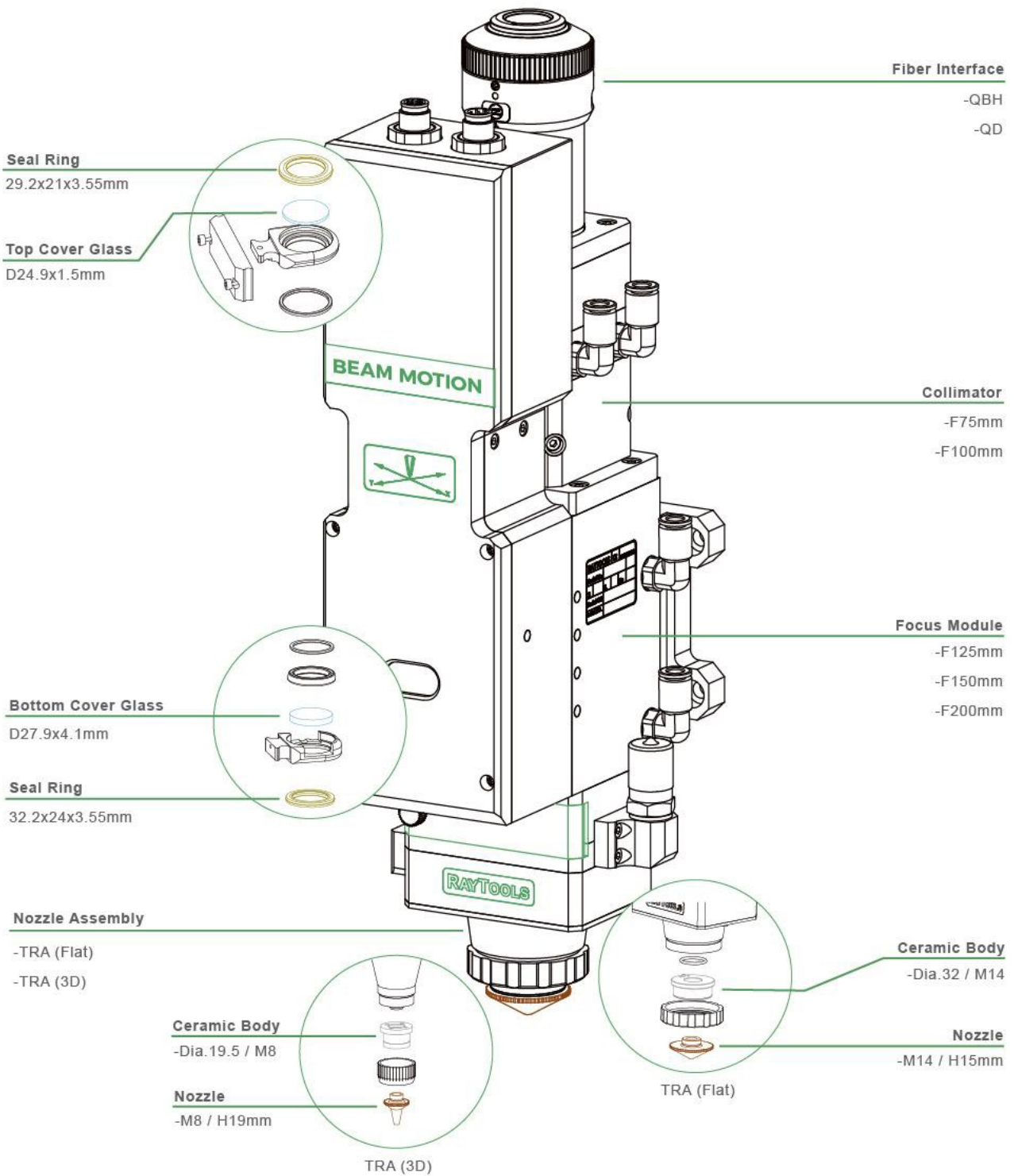
\*产品图片仅供参考

RAYTOOLS

# BM111 SERIES

Auto Focus Laser Cutting Head

Power Rating 3.3KW





## Fixed Configuration

Model	3015H
Control System	Cypcut 2000E (With error compensation function )
Drives and Motors	YASKAWA Servo Motor System
Fiber Laser Head	Raytools Automatic Focus Laser Head BM111
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

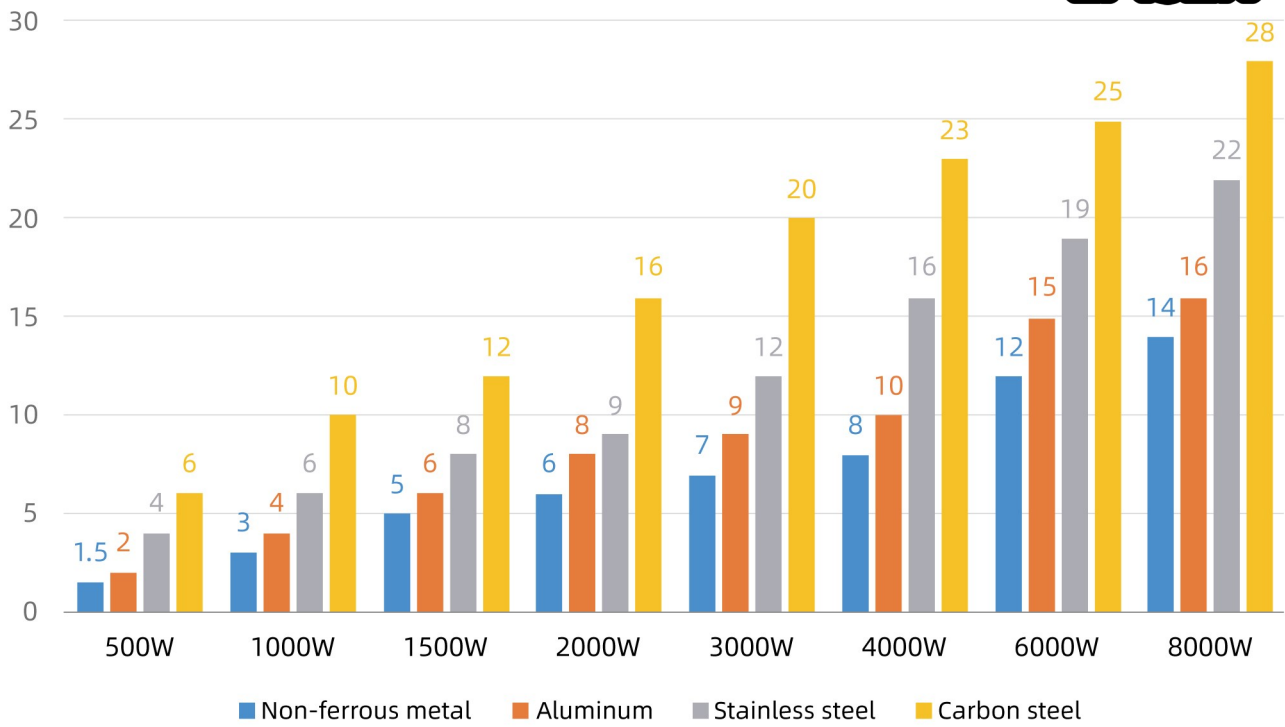
Model	Detail
Control System	Weihong (With error compensation function )
Drives and Motors	Weihong Servo Motor System
Fiber Laser Head	BM111 Automatic Focus Laser Head



## Technical Parameters

Model	DL3015H Fiber Laser Cutting Machine
Working Size	1500*3000mm
Laser Power	3000W (6000W 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	0.5-20mm 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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