

## Main Configurations

1	Model	WT6020A
2	Laser Source	MAX 6000W
3	Control System	Raytools XC3000S System
4	Laser Cutting Head	Raytools BM06K automatic focus head
5	Servo Motor & Drivers	Japan Yaskawa
6	Servo Power	X-axis 1300w, Y-axis 1300w, Z-axis 400w
7	Guide Rail	Taiwan Hiwin
8	Gear Rack	Taiwan YYC
9	Water Chiller	S&A
10	Reducer	Japan Shimpo
11	Proportional Valve	Japan SMC
12	Electrical Components	USA Honeywell electrical components
13	Exhaust Fan	5.5KW
14	Computer	Industry computer
15	Machine Beam	Aviation grade tensile aluminum beam
16	Power Supply	380v, 3phase, 50hz
17	Warranty	2 years for laser source, 1 year for machine
18	Air Conditioner	Included
19	Stabilizer	100KVA

## Technical Parameter

1	Machine Beam	Aviation Grade Tensile Aluminum Beam
2	Cutting Format	6050*2030mm
3	Z-axis Length of Travel	100mm
4	Max. Running Speed	115m/min
5	Table Load Bearing	1500KG
6	Overall weight	4800 kg
7	Positioning Accuracy	±0.03mm
8	Reposition Accuracy	±0.02mm
9	Max Acceleration	0.8G
10	Input power parameters	380V±5% / 50-60Hz
11	Instruction Format	AI, BMP, Dst, Dwg, DXF, DXP, LAS, PLT

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## Machine Details Show :



### Sturdy and stable machine bed

The bed features a welded design with high-rigidity materials, preventing deformation during high-speed, high-power laser cutting for stable performance. Optimized structure and material selection minimize vibration, ensuring cutting accuracy and stability.



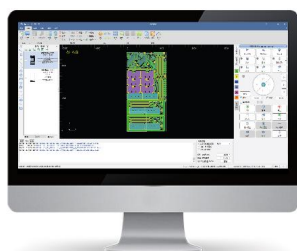
### BM06K Automatic Focus Cutting Head

The BM06K is a mid-to-high power cutting head with a power rating of 6kW. It is equipped with various fiber interfaces, including QBH, QD, and G5, making it compatible with a wide range of mainstream lasers. It features a lower protective lens temperature monitoring function, with temperature data displayed in real-time through a mobile app or desktop window.



### Max Laser Source

MFSC 6000W Single Module CW Fiber Laser, based on modular design, has excellent beam quality and high stability, which structure is compact and water-cooling. The laser can be adjusted continuously, and the beam is transmitted by fiber and QBH connector, which is ideal for laser cutting, laser welding, etc .



### Raytools XC3000S System

XC3000S system is a CNC software for plane laser cutting in the power range of 30kW and below, and supports EtherCAT bus servo and pulse servo. It is easy to install, debug and has complete functions, and is suitable for industries such as advertising machines and sheet metal processing.

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### Japan Yaskawa Servo Motor and Drivers

Japan Yaskawa servo motors and drivers provide excellent stability, high-speed response, and precise control. They enhance efficiency, ensure reliable performance, and are widely used in automation and CNC systems.



### Taiwan Hiwin Rails

Hiwin guide rails provide high rigidity, precision, and smooth motion. Their dual-track design enhances load capacity and stability, making them ideal for CNC machines, automation, and high-precision applications.



### Japan Shimpo Reducer

Japan Shimpo reducers offer high precision, low backlash, and excellent durability. They ensure smooth transmission, improve torque efficiency, and enhance the performance of automation and CNC machinery.



### S&A water chiller

Water chillers in fiber laser cutting ensure stable temperature control, enhancing performance, lifespan, and cutting precision.



### Japan SMC Proportional Valve

The Japan SMC Proportional Valve offers precise flow and pressure control with high responsiveness and stability. Its compact design, energy efficiency, and reliability make it ideal for automation, robotics, and pneumatic systems.

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### Computer \* Screen

The computer and screen on the fiber laser cutting machine offer an intuitive interface, high-resolution display, and fast processing speed. They ensure smooth operation, precise control, and real-time monitoring, enhancing efficiency and user experience.



### Schneider or Omron Electrical Components

They offer high reliability, long lifespan, and superior performance.



### Stabilizer

Voltage stabilizers maintain a consistent power supply, protecting sensitive components from voltage fluctuations. They ensure stable operation, enhance performance, and prolong equipment life.



### Air conditioner for electrical cabinet

An air conditioner for electrical cabinets cools the internal environment, protecting sensitive components from heat damage and ensuring reliable operation in industrial settings.

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