

Technical Solutions

F Series

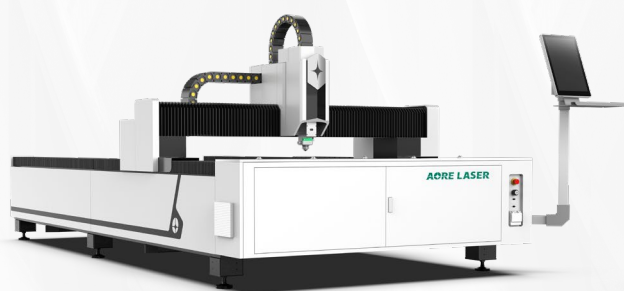
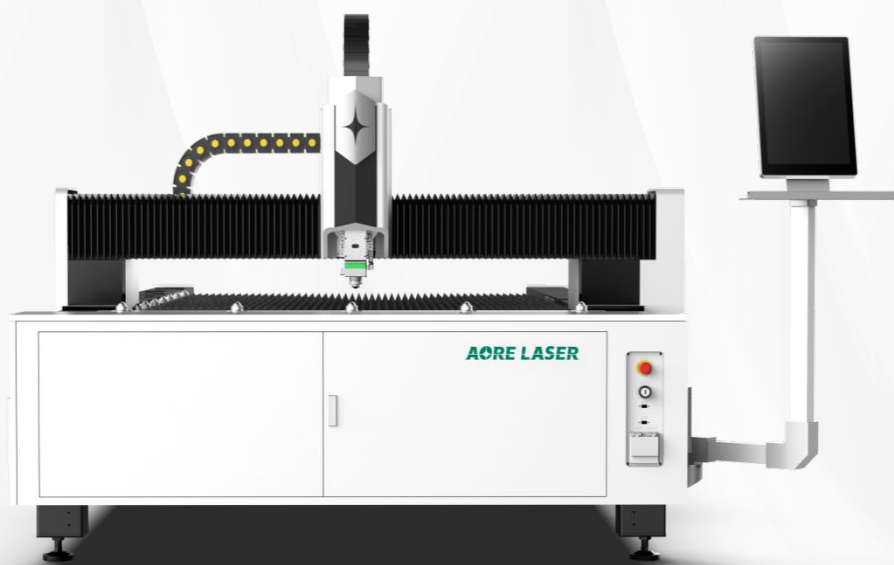
Fiber laser cutting machine



F series

Intelligent and efficient, extremely fast cutting

Application industries: chassis cabinets, sheet metal manufacturing, elevator manufacturing, etc.



Technical Parameters ▶▶▶

No.	Name	Brand
1	Laser Source	MAX 1500W
2	Laser Cutting Head	Raytools BM110
3	Body	Aore group
4	Beam	Aore group 5th aviation aluminum beam
5	X\Y-axis precision rails	Aore group
6	X\Y-axis precision racks	Aore group
7	X, Y, Z-axis servo motors and drivers	INOVANCE
8	Reducer	KOFON
9	Electrical components	CHNT/OMRON
10	Electronic control cabinet	EU standard strong and weak electrical separation electronic control cabinet
11	Control system	FSCUT2000E
12	Pneumatic components	SMC
13	Water chiller	HanLi
14	Exhaust Smoke System	Exhaust Fan
15	Air compressor	
16	Stabilizer	

Main Specification

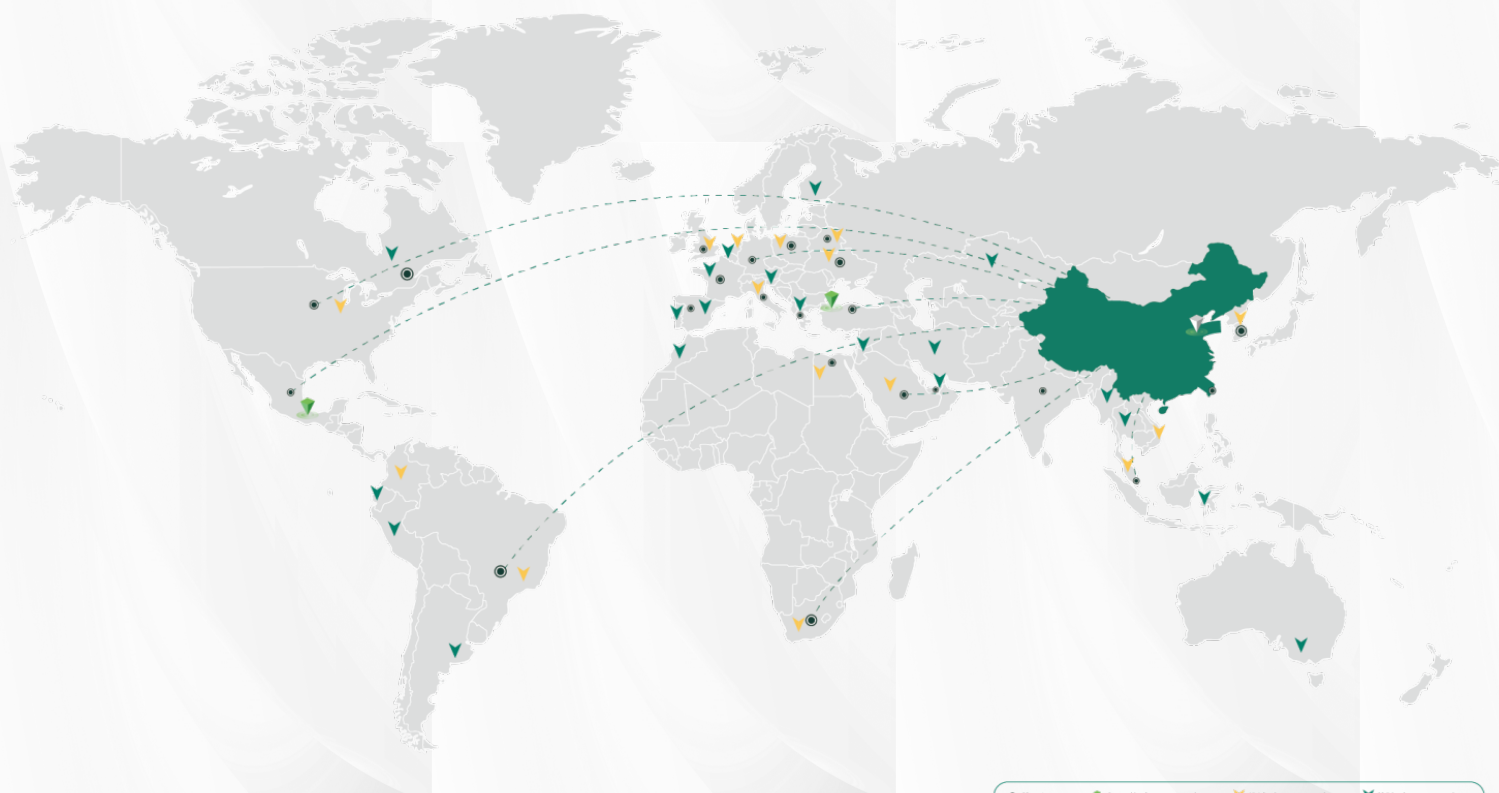
NO.	Model	F3015-1500w
1	Processing format	3050mm*1530mm
2	X-axis stroke	1530mm
3	Y-axis stroke	3050mm
4	Z-axis stroke	100mm
5	Positioning precision of X/ Y -axis	0.05mm
6	Repositioning precision x/y-axis	0.03mm
7	x/y Maximum move speed	115m/min
8	The maximum acceleration of the X/Y axis	0.8G
9	Dimension (Length×Width×Height)	4600*2800*2100mm
10	Weight	2150kg

Cutting Capacity

Material	1500W	2000W	3000W	6000W
Carbon steel	1-14	1-16	1-16	1-25
Stainless steel	1-4	1-6	1-8	1-16
Brass	1-2	1-3	1-5	1-10
Aluminum	1-3	1-4	1-4	1-14

Global Service, Rapid Response

Aore group always puts customers first, providing 24/7, uninterrupted, multilingual online communication services, with a global service team that responds quickly within 30 minutes; Establishing over 100 benchmark points globally, with 30 service points, 3 central-level spare parts warehouses, 15 A-level spare parts warehouses, and 20 B-level spare parts warehouses.



Main Configuration ▶▶▶



MAX laser source

- ❖ High conversion rate, low energy consumption
- ❖ Resistant to high feedback, strong protection
- ❖ High integration, minimal footprint



Auto focus laser head

- ❖ High intelligent, immediate awareness
- ❖ Resistant to interference, worry-free transmission
- ❖ Impact-resistant, zero maintenance
- ❖ Fully water-cooled, temperature constant



Laser cutting control system

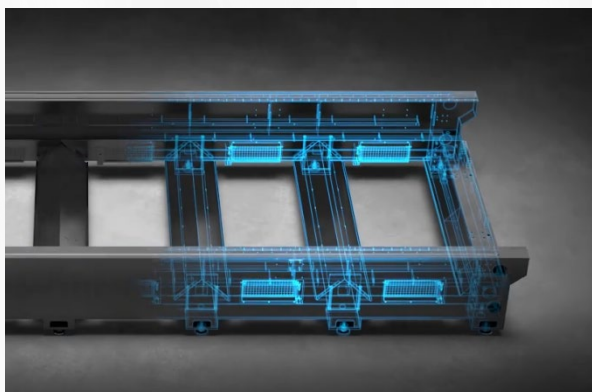
- ❖ Quick response, high efficiency
- ❖ Versatile, easy to master
- ❖ Wide coverage, without barriers
- ❖ Personalized, emphasis on experience

Main Configuration



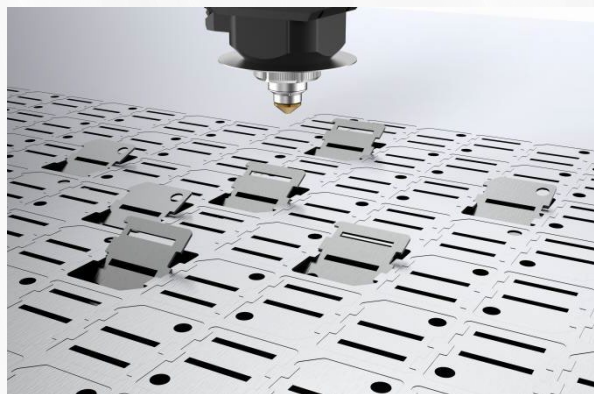
Water chiller

- ❖ Temperature control accuracy up to $\pm 0.5^{\circ}\text{C}$
- ❖ With a variety of alarm protection functions
- ❖ Stable refrigeration and easy operation



Brand new double bed structure

- ❖ Designed for high-efficiency processing needs
- ❖ self-developed stopper plug-in double bed design
- ❖ No deformation in long-term cutting, ensuring stable equipment operation



Dynamic collision sensing

- ❖ Dynamic collision sensing detects potential warping of the sheet in advance, automatically avoids obstacles, and reduces maintenance costs for the laser head

Samples





About us ▶▶▶

SHANDONG AORE LASER EQUIPMENT CO., LTD. is a high-tech enterprise specializing in the research, development, production, sales, and service of laser application equipment. Its products and services are available in over 180 countries and regions, with main product categories including sheet metal laser cutting machines, tube laser cutting machines, sheet and tube integrated laser cutting machines, 3D laser cutting machines, and laser welding machines.



Strict in quality control flow



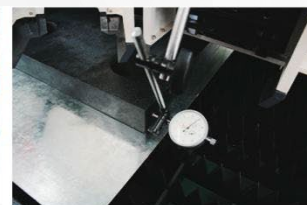
Bed Foot Installation



Rail Installation



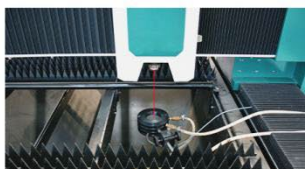
Rack Installation



Beam Installation



Positioning Accuracy Inspection



Laser Power Meter Test

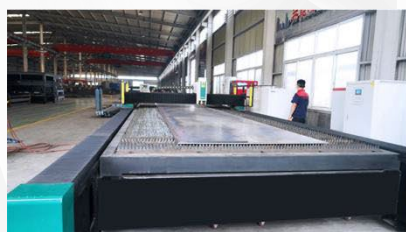


72h Machine Aging Test



Pack And Ship

Production lines



laser cutting



Groove welding



Stress annealing



Sandblasting



Roughing



Finishing



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