

ECONOMICAL AND PRACTICAL

A series single-platform plate fiber laser cutting machine



A series single-platform plate fiber laser cutting machine

The equipment meets the parts processing requirements of most industries, working accuracy is stable. Selecting the optimal force and supporting structure, the overall mechanical property of equipment is perfect. Adopting cutting-edge optical concept to improve cutting performance. High speed cutting, auxiliary loading and unloading and efficient production reduce labor costs. At present, laser cutting machines have been widely used in electronics, electrical, mechanical hardware, new energy lithium, packaging, solar, LED, automotive and other industries.

Model	A6 (6015)	A4 (4015)	A3 (3015)
Working Area	6100*1524mm	4000*1524mm	3048*1524mm
LaserPower	3000w/2000w/1500w/1000w		
X/Y-axis Positioning Accuracy	±0.05mm		
X/Y-axis Repositioning Accuracy	±0.03mm		
Max. linkage speed	100m/min		

TENON-AND-MORTISE TYPE PLATE WELDING STRUCTURE BED



Tenon-and-mortise type plate welding structure bed

The new 21.5 inch touch display has a larger area and incorporates touch function for more convenience. The cooperation between the UI display and the table makes a more intuitional operation. The 10 points touch is more accurate, which improves users' experience.



AUTOMATIC FOCUSING FUNCTION OF LASER HEAD

Auto focus

Applicable to multiple focal lengths, automatically adjusts focal position in cutting process by different sheet thickness.

Free your hands

Focal length is controlled by operating system, which effectively avoids errors or faults caused by manual operation.

Simple and fast

Applying Bodor lightning perforation technology reduce almost 90% work time. When technician changes different metal sheet, Auto focus laser head can automatically read system storage parameters, which make the cutting process less gas, less electricity, lower cost, high efficiency.

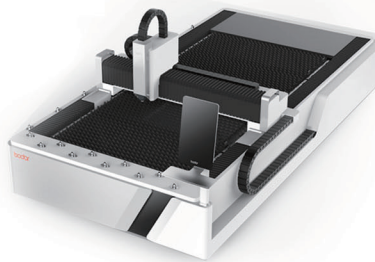
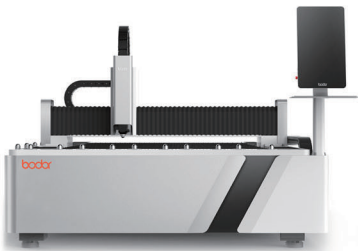
Accurate

By setting perforation focal length and cutting focal length respectively, the cutting is more accurate.

Durable

By increasing collimation & focus protective lens, the key components can be protected. Built-in double water-cooling structure ensures constant temperature of collimating and focusing components, prevents lenses from overheating and prolongs service life of lenses.

A series single-platform plate fiber laser cutting machine



Bodor Family Design Style

Based on Bodor family design language, blend Bodor gene in A series products, forming Bodor's exclusive sense of beauty.

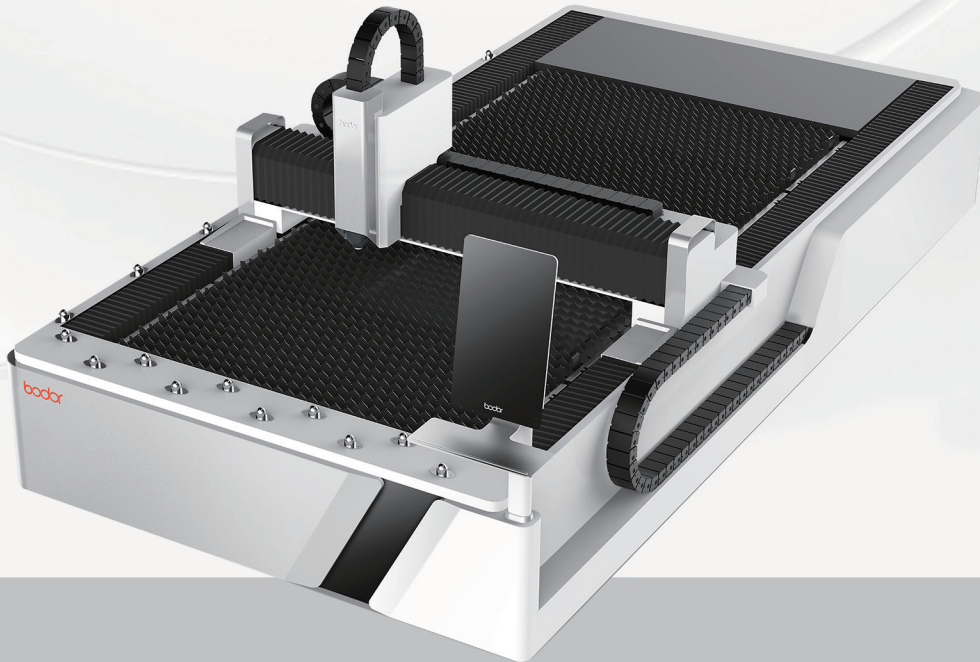
Bodor Pro Operating System



Bodor pro

Bodor's independent R&D operating system can realize intelligent layout of graphics. Use optimal logic programming and software interactions in control aspect to achieve stunning using experience, effectively improve utilization of sheet metal and reduce leftover material.

BRAND NEW MODULAR PLATFORM



Brand New Modular Platform

Modular platform framework solves deformation problem caused by heat and facilitates parts replacement.

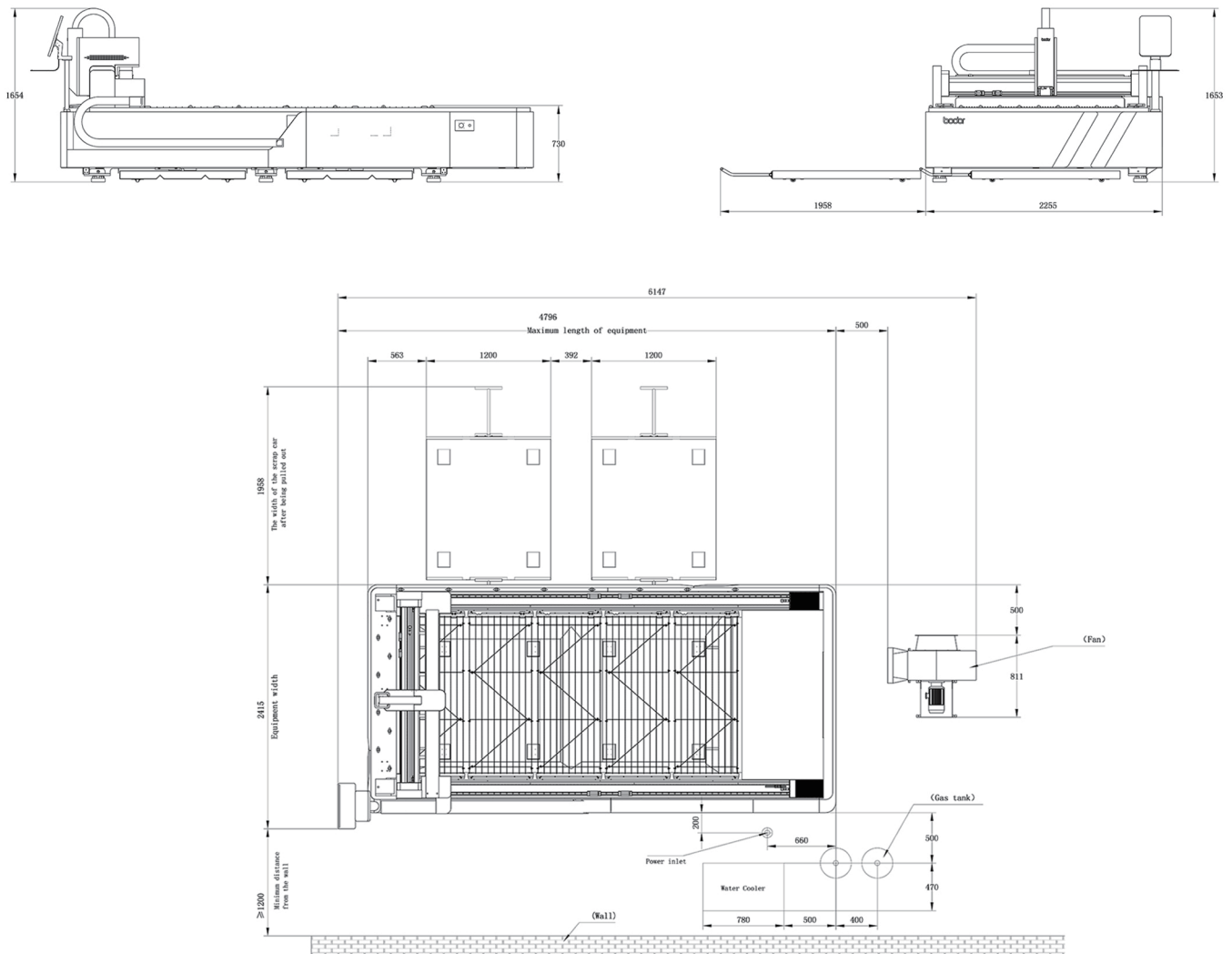
HIGHLY COST-EFFECTIVE, ECONOMICAL AND PRACTICAL



Highly Cost-effective, Economical and Practical

1000w/1500w/2000w laser source for you to choose, single-platform design is both practical and economical.

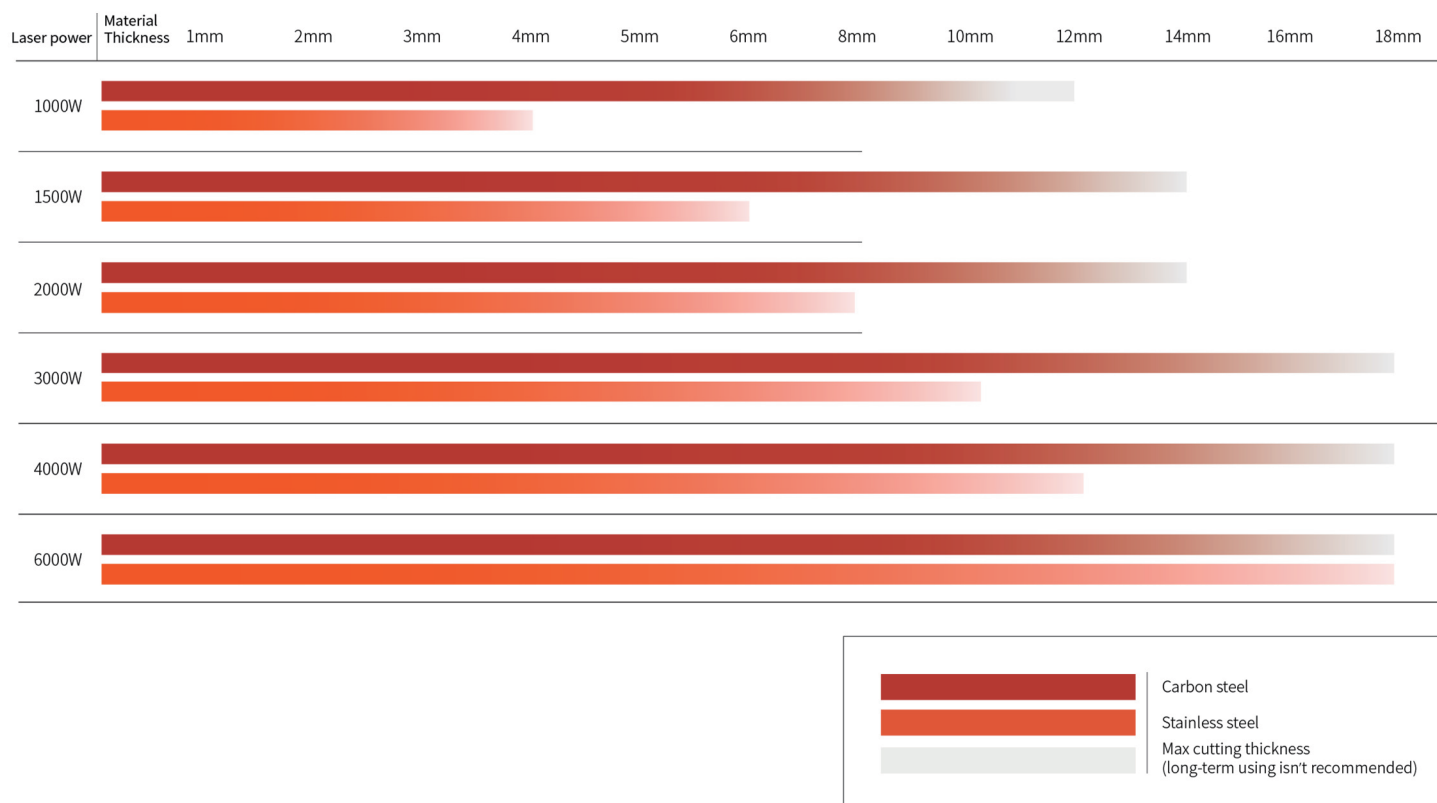
A3015 • FLOOR PLAN



PLACING REQUIREMENT

1. The whole machine should keep away from obstacles at least 1m.
2. The whole machine should be far away from the hypocenter.
3. The planeness of placing field should be less than 5mm.
4. Voltage fluctuation of the whole machine should be kept in $\pm 5\%$.

Cutting Capacity



Above data is only for reference

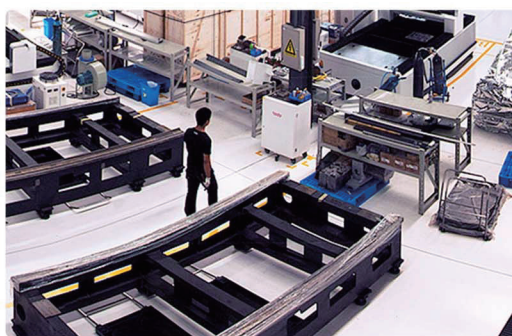
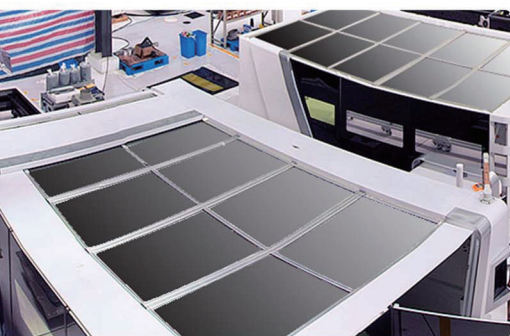
Fiber Laser Cutting Process Parameters

Material	Thickness	1000W	1500W	2000W	3000W	4000W	6000W	8000W
		speed m/min	speed m/min	speed m/min	speed m/min	speed m/min	speed m/min	speed m/min
Carbon steel (Q235A)	1	8.0--10	15--26	24--30	30--40	No support		
	2	4.0--6.5	4.5--7.0	4.7--6.0	4.8--7.5			
	3	2.4--3.0	2.6--4.0	3.0--4.8	3.3--5.0			
	4	2.0--2.4	2.5--3.0	2.8--3.5	3.0--4.2			
	5	1.5--2.0	2.0--2.5	2.2--3.0	2.6--3.5			
	6	1.4--1.6	1.6--2.2	1.8--2.6	2.3--3.2			
	8	0.8--1.2	1.0--1.4	1.2--1.8	1.8--2.6			
	10	0.6--1.0	0.8--1.1	1.1--1.3	1.2--2.0			
	12	0.5--0.8	0.7--1.0	0.9--1.2	1.0--1.6			
	14		0.5--0.7	0.7--0.8	0.9--1.4			
	16			0.6--0.7	0.7--1.0			
	18			0.4--0.6	0.6--0.8			
	20				0.5--0.8			
	22				0.4--0.6			
Stainless steel (201)	1	18--25	20--27	24--30	30--35			
	2	7.0--12	8.0--13	9.0--14	13--21			
	3	1.8--2.5	3.0--5.0	4.0--6.5	6.0--10			
	4	1.2--1.3	1.5--2.4	3.0--4.5	4.0--6.0			
	5	0.6--0.7	0.7--1.3	1.8--2.5	3.0--5.0			
	6		0.7--1.0	1.2--2.0	2.0--4.0			
	8			0.7--1.0	1.5--2.0			
	10				0.6--0.8			
	12				0.4--0.6			
Aluminum	1	6.0--10	10--20	15--25	25--38			
	2	2.8--3.6	5.0--7.0	7--10	10--18			
	3	0.7--1.5	2.0--4.0	4.0--6.0	6.5--8.0			
	4		1.0--1.5	2.0--3.0	3.5--5.0			
	5		0.7--1.0	1.2--1.8	2.5--3.5			
	6			0.7--1.0	1.5--2.5			
	8			0.6--0.8	0.7--1.0			
	10				0.4--0.7			
	12				0.3--0.45			
Brass	1	6.0--10	8.0--13	10--16	20--35			
	2	2.8--3.6	3.0--4.5	4.5--7.5	6.0--10			
	3	0.5--1.0	1.5--2.5	2.5--4.0	4.0--6.0			
	4		1.0--1.6	1.5--2.0	3.0--5.0			
	5		0.5--0.7	0.9--1.2	1.5--2.0			
	6			0.4--0.7	1.0--1.8			
	8				0.5--0.7			



OFFICE

For more information, please go to the website : www.bodor.com



WORKSHOP

For more information, please go to the website : www.bodor.com