


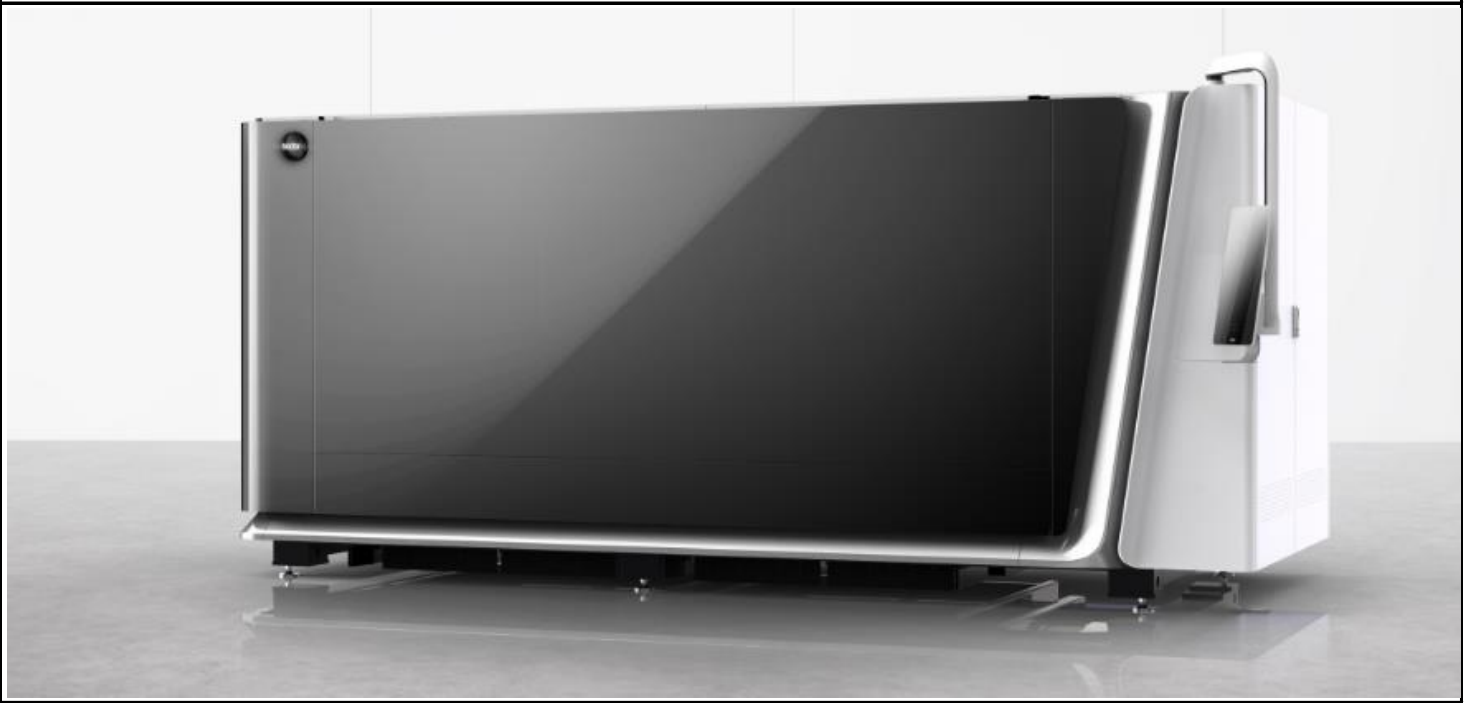
FIBER LASER CUTTING MACHINE

i7 photo	Laser Power	
	3kw	
	6kw	
	12kw	
Freight&Tariff	Included	
Installation & Training Cost	Included	
Transportation	By Sea	
Loading Container	1*40'HQ+1*20'GB	
Payment Terms	30% down payment, 70% before shipment.	
Warranty	Five years limited warranty for main parts. One year free labor.	
Optional		
Fume filter		
Air Compressor	3kw、 6kw	
	12kw	
Consumables Box		
Clean Bench (Flowbox)		
Deburrer		
Spare Laser Head	3kw	
	6KW	
	12KW	
Basic Parameter		

Working area	3048mm*1524mm (5'x10')
Max. linkage speed	91m/min (298'/min)
Intelligent Function	
Bodor Lightning perforation technology	Yes
Remnant Typesetting	Yes
Touchscreen Display	Optional
Air pressure intelligent control	Yes 12KW and above
Automatic adjustment of cutting gas pressure	6kW and below: O2 above 6kW: O2、N2、air
Cutting Parameter AutoMatch	Yes 12KW and above (Not available for optional scanning cutting)
Auto-focus of laser head	Yes
Laser cutting technology expert database	Yes
Active anti-collision function	Yes
intelligent over-heat adaptation	Yes 12KW and above
Intelligent anti-shake	Yes
Mineral casting anti burning	1.5KW and above
Ergonomic Remote Control (Bodor Mango®)	Yes
Gas-saving steady flow nozzle	Yes
Intelligent maintenance reminder	Yes
WIFI internet connection	Yes
Bodor Cloud sevice	Yes
Performance	
Requirements for sheet	Plate thickness \geq 0.8mm
Max. acceleration	1.5G
Table load bearing	900kg
Machine overall dimensions	5562×2270×2388mm (\approx 18.24'x7.44'x7.83')
Overall weight	4200kg

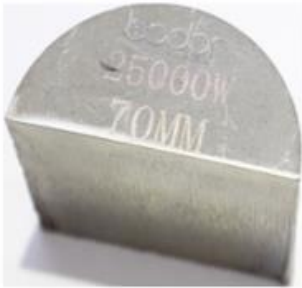
Z axis travel	120mm ($\approx 4.7''$)
Positioning accuracy	$\pm 0.05\text{mm/m}$
Repositioning accuracy	$\pm 0.03\text{mm}$
$\Phi 30\text{mm}$ roundness	$\leq 0.15\text{mm}$
<input type="checkbox"/> 30mm adjacent side dimension difference	$\leq 0.06\text{mm}$
<input type="checkbox"/> 190mm adjacent side dimension difference	$\leq 0.15\text{mm}$
<input type="checkbox"/> 190mm diagonal size difference	$\leq 0.20\text{mm}$
Configuration	
Laser source	BodorPower
Laser head	BodorGenius
Bed functions	Electric bed
Machine bed	Tenon and mortise structure bed
Linear Rails	Bodor
Rack	Bodor
X-axis、Y-axis、Z-axis、A-axis Servo motor and driver	Bodor
Protective Enclosure	Yes
Control system	BodorThinker
Display size	21.5 inches
Door-open Protection	Yes
Intelligent alarm	Yes
Water Chiller	Yes
Centrifugal fan	Yes
Power Requirements	220V/440V/480V 60HZ 3PHASE (Up to Clients Power Requirement)
Total power capacity/current with 12KW source (380V)	57.8KW/109.7A
Total power capacity/current with 6KW source (380V)	37.8KW/71.0A
Total power capacity/current with 3KW source (380V)	24.8KW/46.3A

i7 Photo








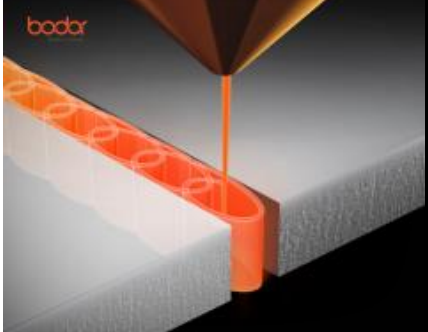


Cutting Samples



Key Configuration Photos



Mortise-and-tenon welding structure machine bed	Stretched Aluminum Gantry	21.5 inches Display
		
BodorPower Laser Source	BodorGenius Laser Cutting Head	BodorThinker Control System
		
Air Compressor (Optional)	Fume Filter (Optional)	Scanning Cutting (Optional)
Cutting Parameters		

Power	Thickness (mm)	Thickness (mm)																								
		1	2	3(1/8")	4	5	6(1/4")	8	10	12(1/2")	14	16	18	20	25(1")	30	35	40	45	50(2")	60	70	80	90	100(4")	110
Carbon steel (Q235A) Q2	50kW	9-11	5-7.5	3.5-5.5	3.5-5	3.3-4.8	3-4.5	2.5-3.6	2.2-2.8	1.6-2.1	1.6-2.0	1.5-2.0	1.4-2.0	1.5-1.9	1.0-1.6	1.1-1.4	0.9-1.1	1.0-1.2	0.9-1.1	0.6-1.0	0.4-0.8	0.3-0.5	0.2-0.3	0.2-0.3	0.1-0.2	
	30kW	9-11	5-7.5	3.5-5.5	3.5-5	3.3-4.8	3-4.5	2.5-3.6	2.2-2.8	1.6-2.1	1.6-2.0	1.5-2.0	1.4-2.0	1.5-1.9	1.0-1.6	1.1-1.4	0.9-1.1	0.8-1.0	0.5-0.9	0.4-0.8	0.2-0.6	0.2-0.3	0.2-0.3	0.1-0.2		
	22kW	9-11	5-7.5	3.5-5.5	3.5-5	3.3-4.8	3.0-4.2	2.5-3.5	2.0-2.7	1.6-2.1	1.5-2.0	1.4-2.0	1.4-2.0	1.5-1.9	1.0-1.6	0.8-1.4	0.6-1	0.5-0.9	0.3-0.5	0.2-0.5	0.2-0.3	0.1-0.3				
	12kW	9-11	5-7.5	3.5-5.5	3.5-5	3.3-4.8	3.0-4.2	2.5-3.5	2.2-2.7	1.2-2.1	1.7-1.9	1.2-1.7	1.0-1.8	0.6-1.5	0.5-1.2	0.3-1.0	0.3-0.7	0.2-0.4	0.2-0.3	0.15-0.25						
	6000W	8-10	5-7.5	3.5-5	3.0-4.5	3.0-4.2	2.5-3.5	2.2-3.2	1.8-2.5	1.2-2.1	1.2-1.8	0.8-1.5	0.6-1.2	0.5-0.8	0.3-0.55	0.2-0.3										
	3000W	8.0-10	5.5-7.5	3.0-4.0	2.8-3.5	2.6-3.2	2.5-2.6	1.6-1.8	1.4-1.6	1.0-1.4	0.8-0.9	0.7-0.8	0.6-0.7	0.5-0.6												
Stainless steel (201) #2	50kW	72-100	60-75	45-65	35-45	30-35	25-30	25-30	18-22	16-18	11-15	11-13	9-11	8-10	6-7	4-5	2.8-3.5	2-2.5	1-1.5	0.6-1	0.4-0.6	0.35-0.5	0.2-0.4	0.2-0.3	0.1-0.2	0.1-0.2
	30kW	72-100	50-75	38-55	30-40	25-32	20-29	15-20	12-17	9-14	7-11	5-9	3-8	3-7	2-4.5	1.5-3.2	1.0-1.5	0.8-1.7	0.6-1.0	0.25-0.5	0.2-0.3	0.17-0.3	0.15-0.3	0.1-0.2	0.07-0.1	0.07-0.1
	22kW	72-100	50-75	38-55	25-35	24-32	20-25	15-19	10-13.5	8.0-10	6.0-8.5	4.0-6.0	3.0-3.5	2.0-3.0	1.5-2.2	1.2-1.5	0.4-0.8	0.3-0.6	0.2-0.6	0.2-0.5	0.1-0.3	0.1-0.3	0.1-0.3	0.1-0.2		
	12kW	70-85	40-66	35-45	20-32	18-25	12-15	8-12	6.0-8.0	4.0-5.5	3.0-5.0	2.2-2.8	1.2-2.0	1.0-1.6	0.5-0.8	0.3-0.6	0.3-0.5	0.3-0.5	0.2-0.4	0.1-0.2						
	6000W	42-52	20-33	15-22	10-15	7.0-12	4.8-9.0	3.0-4.0	1.6-2.5	0.8-1.5	0.6-1.2	0.5-1.0	0.4-0.8	0.3-0.6	0.2-0.4											
	3000W	30-55	12-30	6.0-10.0	4.0-6.0	3.0-5.0	2.0-3.2	1.0-1.8	0.5-0.85	0.4-0.5																
Aluminum #2	50kW	70-100	40-70	35-60	30-45	22-35	18-32	12-23	7-16	4.5-12	3-8	2.5-6	1.8-2.2	1.5-2	0.8-1.5	0.6-1.2	0.4-0.9	0.4-0.6	0.4-0.5	0.3-0.4	0.2-0.4	0.1-0.3	0.1-0.3	0.1-0.2	0.1-0.2	
	30kW	70-100	40-70	35-60	30-45	22-35	18-32	12-23	7-16	4.5-12	3-8	2.5-6	1.8-2.2	1.5-2	0.8-1.5	0.6-1.2	0.4-0.9	0.4-0.6	0.4-0.5	0.3-0.4	0.2-0.4	0.1-0.3	0.1-0.3	0.1-0.2	0.1-0.2	
	22kW	70-100	40-70	35-60	30-43	22-35	18-28	12-20	7.0-12.0	4.5-6.5	3.0-4.0	2.5-3.5	1.8-2.2	1.5-2.0	0.8-1.5	0.6-1.2	0.4-0.9	0.3-0.5	0.3-0.4	0.2-0.4	0.2-0.4	0.1-0.3				
	12kW	60-85	38-50	30-40	20-30	15-25	10-15	7.0-12	4.5-6.0	4.0-5.0	1.8-2.7	1.5-2.5	1.0-1.8	0.9-1.5	0.6-0.9	0.3-0.8	0.3-0.6	0.3-0.4	0.2-0.3	0.1-0.2						
	6000W	42-55	20-40	15-25	9.5-12	5.0-8.0	3.8-5.0	2.0-2.5	1.0-1.5	0.8-1.3	0.9-1.2	0.5-0.8	0.5-0.7	0.5-0.7	0.3-0.5											
	3000W	25-30	13-20	6.5-7.5	3.5-5.0	2.5-3.5	1.5-2.5	0.7-1.0																		
Brass #2	50kW	65-75	40-60	30-45	25-38	22-31	15-25	12-18	8-14	5-10	4.5-6.5	4-6.5	3-5.5	2-4	1.5-3	1-1.5	0.6-1	0.5-0.8								
	30kW	65-75	40-60	30-45	25-38	22-31	15-25	12-18	8-14	5-10	4.5-6.5	4-6.5	3-5.5	2-4	1.5-3	1-1.5	0.6-1	0.5-0.8								
	22kW	65-75	40-60	25-40	20-35	20-28	12-20	9.0-12	6.0-10	3.0-4.5	1.8-4.0	1.5-3.0	1.0-2.5	0.4-2.0	0.3-0.5	0.2-0.4	0.1-0.2									
	12kW	55-65	38-42	18-30	15-20	10-15	6.0-8.0	5.0-7.0	4.5-6.0	2.4-4.0	0.8-1.5	0.6-1.2	0.4-0.6	0.3-0.5												
	6000W	35-45	20-30	12-18	8.0-12.0	6.0-8.0	3.0-6.5	1.6-2.2	0.8-1.2	0.3-0.5	0.3-0.5															
	3000W	20-30	6.0-10	3.0-8.0	2.5-4.0	1.5-2.0	1.0-1.8																			

Packing Photos



Packing in Factory



In Container



In Container Yard

ABOUT BODOR

A company of over 2,000 people only focusing on fiber laser cutting machines.

Local Sales & Engineer Service team in American.

Over 150 backbone researchers only into laser field.

Bodor Super Factory covers over 60,000 m².

Exports of fiber laser cutting machine are No.1 in China.

Users of over 150 countries are happy with Bodor.

Leading Manufacturer

World Brand

Bodor gains patents and certifications (CSA, cTUVus, CE, FDA, ISO 9001, BV, SGS, etc.)



Won the German IF Award at the International Industry Awards in 2019.
Won the German Red Dot Award at the International Industry Awards in 2018.
Won the China Red Star Design Award, National High-tech Zone Gazelle Enterprise in 2016.
International awards 10+, industry awards 50+, patent certificates 130+.



Honors

Bodor China



Bodor USA

