

## FIBER LASER CUTTING MACHINE

P3 photo	Laser Power	
	12kw	
Lead Time	6kw/12kw: 3-4months 20kw/30kw: 4-5months (production time + shipping time)	
Freight&Tariff	Included	
Installation & Training Cost	Included	
Transportantion	By Sea	
Loading Container	2*40'HQ+1*20GP	
Payment Terms	30% down payment, 70% before shipment.	
Warranty	Five years warranty for laser head/laser power/laser software. One year free labor.	
Optional		
iLoader Max. loading thickness: 0.8inch(20mm) Max. loading weight: 700kg		
iTrans Max. loading thickness: 1inch(25mm) Max. loading weight: 900kg		
Consumables Box		
Flowbox		
Fume filter with explosion proof		

Air Compressor	3kw、 6kw	
	12kw、 20kw	
	≥30kw	
Spare Laser Head	6KW	
	12KW	
Basic Parameter		
Working area	3048mm*1524mm (5'x10')	
Max. linkage speed	200m/min (656'/min)	
Intelligent Function		
One-click processing	Yes	
Remnant Typesetting	Yes	
Visual collision detection	Yes	
Bodor lightning perforation	Yes (Not available for optional bevel cutting)	
Automatic cutting seam compensation	Yes	
Automatic nozzle cleaning	Yes	
Touchscreen Display	Yes	
Automatic adjustment of cutting gas pressure	Yes	
Auto-focus of laser head	Yes	
Laser cutting technology expert database	Yes	
Ergonomic Remote Control (Bodor Mango®)	Yes	
Active anti-collision function	Yes (Not available for optional bevel cutting)	
Laser head high pressure filter	Yes 12KW and above	
intelligent over-heat adaptation	Yes 12KW and above	
Intelligent anti-shake	Yes	
Mineral casting anti burning	1.5KW and above	
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	4.0G
Table load bearing	3kw (1090kg) 6KW and above(1450KG)
Machine overall dimensions	9450*2240*2520mm ( $\approx$ 30.9'*7.3'*8.2')
Overall weight	4339kg
Z axis travel	350mm ( $\approx$ 14")
Positioning accuracy	$\pm$ 0.05mm/m
Repositioning accuracy	0.02mm
$\Phi$ 30mm roundness	$\leq$ 0.15mm
<input type="checkbox"/> 30mm adjacent side dimension difference	$\leq$ 0.06mm
<input type="checkbox"/> 190mm adjacent side dimension difference	$\leq$ 0.15mm
<input type="checkbox"/> 190mm diagonal size difference	$\leq$ 0.20mm
Configuration	
Laser source	BodorPower
Laser head	Bodor Genius
Machine bed	Tenon and mortise structure bed
Gantry Structure	Stretched Aluminum gantry
Linear Rails	Bodor
Rack	Bodor
X-axis、Y-axis、Z-axis、A-axis Servo motor and driver	Bodor
Protective Enclosure	Yes
Enhanced-partition Dust Removal	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 60KW source (380V)	326.8KVA/496.5A
Total power capacity/current with 30KW source (380V)	192.3KVA/292.1A
Total power capacity/current with 24KW source (380V)	157.3kVA/238.9A
Total power capacity/current with 12KW source (380V)	102.3KVA/155.4A
Total power capacity/current with 6KW source (380V)	63.6KVA/96.6A
<b>iTrans (Optoonal Automation)</b>	
Working area	3000mm*1500mm (9.84' x 4.92')
Automatic Material Splitting	Yes
Adjustable suction cup frame	Yes
Material height identification	Yes
Bed position detection	Yes
Detection function of sheet metal	Yes
Automatic loading	Yes
Automatic blanking	Yes
Host security interlock	Yes
Table exchange interlock	Yes
Thickness measuring device	Yes
Intelligent Sheet Corner Separation	Yes
Maximum thickness of feeding plate	25mm ( $\approx 1''$ )
Number of laser cutting (host) machines connected	1
Maximum feeding plate size	3000mm*1500mm (9.84' x 4.92')
Minimum loading sheet size	1000mm*1000mm ( $\approx 3.3' \times 3.3'$ )
Maximum loading weight	900Kg
Minimum thickness of the feeding plate	0.8mm
Finished product trolley maximum load	3T
Maximum height of finished sheet	260mm ( $\approx 10''$ )

V-type guide mechanism for whole process	Yes
Module dimensions	10000mm*8500mm*2600mm (≈32.8'x27.9'x8.5')
Total power capacity/current (380V)	9kw/17.1A
Weight	4800kg
Continuous reloading time	110s
Operation method	Touch screen operation

**P3 Photo**





iLoader (Option)



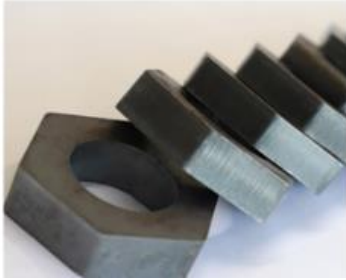
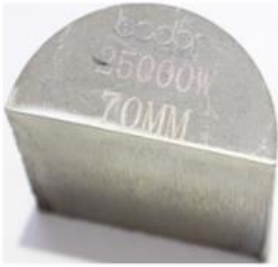
iTrans (Option)



iTrans Tower(Optional)



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





Power		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	speed m/min	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	2.5~3.4	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	0.3~0.65	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												

[illegible]

**Packing Photos**

## 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 m <sup>2</sup> .
Exports of fiber laser cutting machine are No.1 in China.

<p>Users of over 150 countries are happy with Bodor.</p>	<p>World Brand</p>
<p>Bodor gains patents and certifications (CSA, cTUVus, CE, FDA, ISO 9001, BV, SGS, etc.)</p>  <p>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+.</p> 	<p>Honors</p>
<p>Bodor China</p>	
	
<p>Bodor USA</p>	

























