



From: Bodor Laser Inc.

Quote Date: 2023/09/13

To: PJ--SMC

Validity: in 20 days


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FIBER LASER CUTTING MACHINE

R1500 photo	Laser Power	
	6kw	
Freight&Tariff	Included	
Installation & Training Cost	Included	
Transportation	By Sea	
Loading Container	40FR*1+40HQ*1	
Payment Terms	30% down payment, 70% before shipment.	
Warranty	Three years limited warranty for main parts. One year free labor.	

Optional

Fume filter	6kw	
Air Compressor	6kw	

Basic Parameter

Working area	3048mm*1524mm (5'x10')
leveling width	1500mm(≈ 5')

Intelligent Function

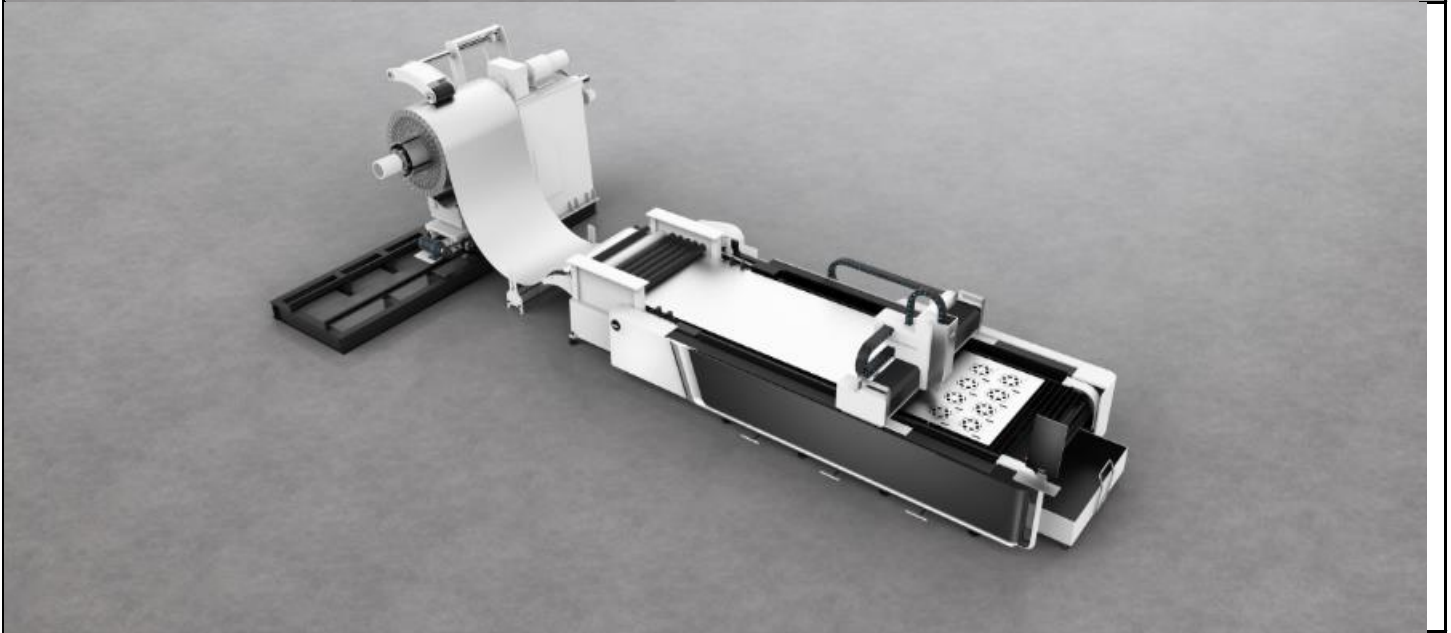
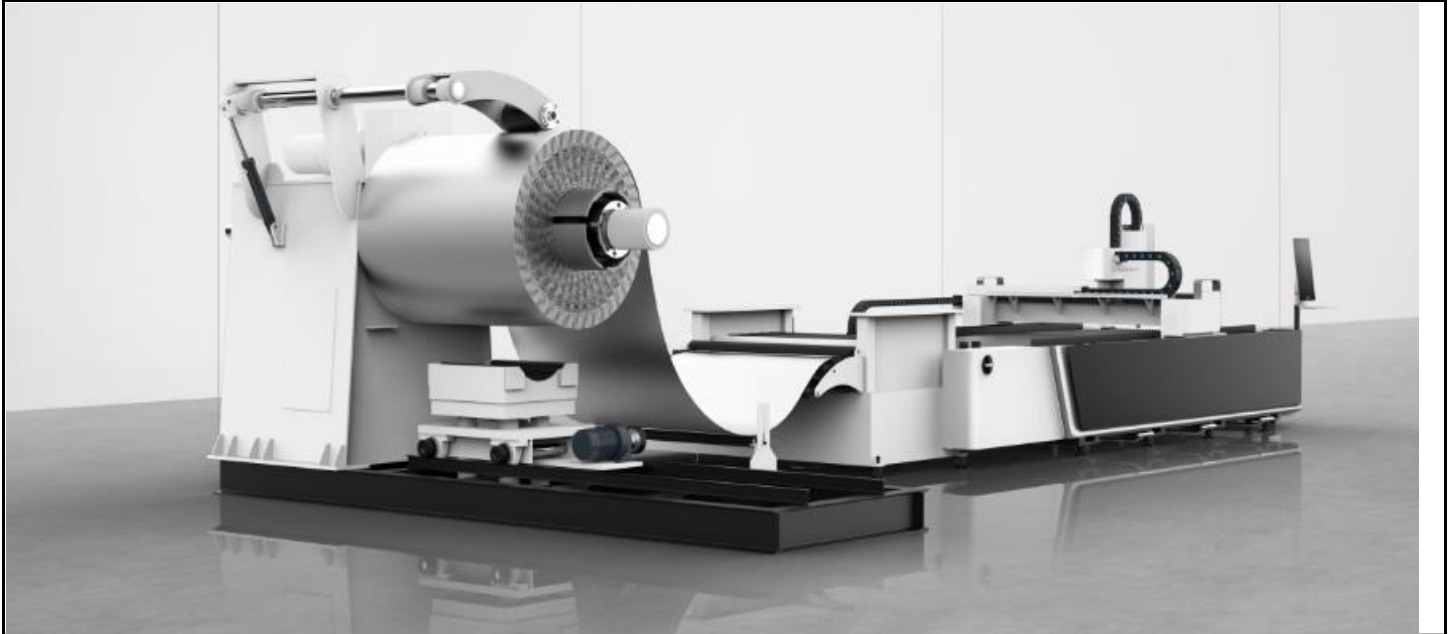
High Speed Cutting Expert Database	Yes
Automatic adjustment of cutting gas pressure	6KW below: O2

Remnant Typesetting	Yes
Auto-focus of laser head	Yes
Heavy feeding trolley	Yes
Synchronized feeding table	Yes
Gas filtration alarm device	Optional
Laser cutting technology expert database	Yes
Active anti-collision function	Yes
Intelligent anti-shake	Yes
High quality Cutting Expert Database	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 service	Yes
Performance	
Max. acceleration	1G(Subject to technical plan)
Table load bearing	110kg
Machine overall dimensions	About 12000mm*6500mm*3050mm
Overall weight	About 10750kg
positioning accuracy	±0.05mm/m
repositioning accuracy	±0.03mm
Φ30mm roundness	≤0.15mm
□30mm adjacent side dimension difference	≤0.06mm
□190mm adjacent side dimension difference	≤0.15mm
□190mm diagonal size difference	≤0.20mm
length tolerance	≤±1.0mm/m
Diagonal tolerance	≤±1.0mm/m
Sheet thickness range	Carbon steel: 0.8~3mm Stainless steel: 0.8~2mm
Coil O.D	φ1200mm ~ φ1500mm
Coil I.D	φ508、φ610mm
Single coil maximum weight	≤8T
Flatness after leveling	≤±2mm/m ² (Subject to technical plan)
Unwinding maximum feed speed	≤15m/min(Subject to technical plan)
Number of rollers	11(Subject to technical plan)
Roller diameter	115mm
Uncoiler reducing reel	Yes
Configuration	
Laser source	BodorPower
laser head	BodorGenius
Machine bed	Welded bed

X-axis、Y-axis、Z-axis Servo motor and driver	Bodor
Linear Rails	Bodor
Rack	Bodor
Anti-roll device	Yes
Control system	Bodor Thinker
Display size	21.5 inches
Intelligent alarm	Yes
Water Chiller	Yes
Dust removal	Optional
Total power capacity/current with 6KW source	66.3KVA/100.8A
Total power capacity/current with 3KW source	61.9KVA/94.0A
Total power capacity/current with 1.5KW source	48.6KVA/73.9A

R1500 Photo






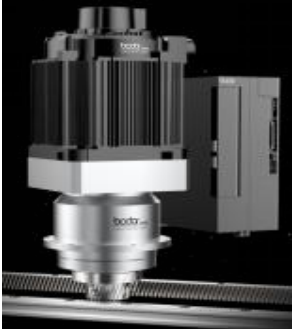




Cutting Samples



Key Configuration Photos

		
<p>Mortise-and-tenon welding structure machine bed</p>	<p>Aircraft-grade aluminum crossbeam</p>	<p>BodorThinker Control System</p>
		
<p>BodorPower Laser Source</p>	<p>BodorGenius Laser Cutting Head</p>	<p>Bodor self-developed BodorDriver drive system</p>



Hydraulic feeding trolley



Fume Filter (Optional)



Air Compressor (Optional)

Cutting Parameters

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) 02	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	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	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) N2	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	1.0-1.5	0.5-0.85	0.4-0.5																
Aluminum N2	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	0.4-0.6	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	60-65	38-50	30-40	20-30	15-25	10-15	7.0-12	4.5-8.0	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 N2	50kw	65-75	40-60	30-45	25-38	22-31	15-25	12-18	8-14	5-10	4.5-8.5	4-6.5	3-5.5	2-4	1.5-3	1-1.5	0.5-1	0.5-0.8								
	30kw	65-75	40-60	30-45	25-38	22-31	15-25	12-18	8-14	5-10	4.5-8.5	4-6.5	3-5.5	2-4	1.5-3	1-1.5	0.5-1	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	1.0-1.6																			

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.

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+.



Leading Manufacturer

World Brand

Honors

Bodor China



Bodor USA

