

## FIBER LASER CUTTING MACHINE

	Laser Power	
	6kw	
Freight&Tariff	Included	
Installation & Training Cost	Included	
Transportantion	By Sea	
Included	Explosion-proof fume filter	
	Air Compressor with ATH filters group	
	Bevel cutting	
	Safety light curtain	
	Flow box & laser head filter	
	Bodor Nesting software	
	Consumable package	
	On-site installation, commissioning and training	
Loading Container	2*40'HQ	
Payment Terms	30% down payment, 70% before shipment.	
Warranty	Five years warranty for laser source and laser head Three years warranty for main parts One year free labor	
Basic Parameter		
Tube cross-sectional shape	Round, square, rectangular, oval, rounded rectangular, Angle steel, channel steel and other tubes	
Tube size range	Round tube：Φ8-Φ230mm Square tube：□8- □230mm Rectangular tube： 230mm≥Side length≥8mm angle steel：2#-14# channel steel：5#-14#	
Maximum machinable tube length	6500mm	
Intelligent Function		
Bodor Lightning perforation technology	Yes	
High Speed Cutting Expert Database	Yes	
Adaptive adjustment of jaw clamping force	Yes	
Following servo feeding bracket	Yes	
Composite rollers	Yes	
Automatic tube inspection	Edge-seeking, center-finding	

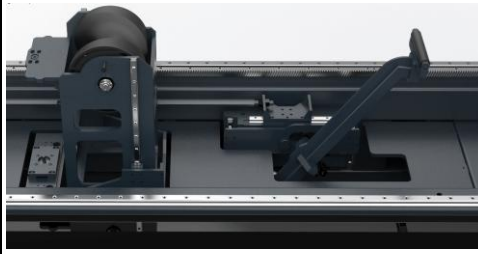
Cutting gas automatic pressure regulation function	O <sub>2</sub>	
Touch screen control	Yes	
Automatic focusing function of laser head	Yes	
Laser cutting technology database	Yes	
Over edge protection	Yes	
Active collision prevention	Yes	
Anti-slag Protection	Yes	
Gas-saving steady flow nozzle	Yes	
Intelligent maintenance reminder	Yes	
BodorCloud sevice	Yes	
WIFI internet connection	Yes	
Performance		
Requirements for tubes	Diameter < φ50mm thickness≥1.2mm; Diameter≥φ50mm The ratio of the wall to the diameter of the thin-walled pipe is not less than1/40 Wall thickness≥2.5% of Diameters of tubes	
Maximum tube length	6500mm	
Dimensions	9347mm×1872mm×2286mm	
Maximum tube weight	300Kg 46Kg/m	
Overall weight	2450kg	
Positioning accuracy	0.05mm/m	
Repositioning accuracy	0.03mm	
Max. Chuck rotating speed	100r/min	
Configuration		
Processing precision (□38mm stainless steel square tube)	Φ20mm roundness	≤0.15mm
	□20mm square diagonal size difference	≤0.20mm
	□20mm square position size difference	≤1mm
Laser source	BodorPower	
Laser head	BodorGenius T	
Chuck drive types	Pneumatic chuck	
Linear Rails	Bodor	
Rack	Bodor	
X-axis、Y-axis、Z-axis、A-axis Servo motor and driver	Bodor	
Control system	BodorThinker Tube	
Display size	21.5 inches	
File format	IGS、DXF、G Code	
Water Chiller	Yes	
Dust removal	Centrifugal fan	
Total power capacity/current with 6KW source (380V)	35.2kW/66.8A	

K2-65 Photo





**Pneumatic chuck**



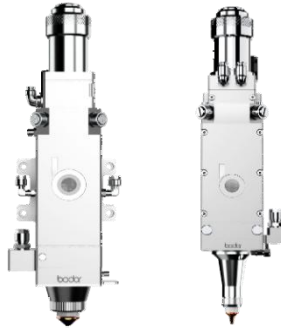
**Composite rollers**



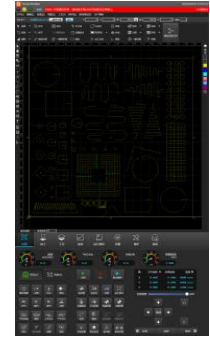
**21.5 inches Display**



**BodorPower Laser Source**



**BodorGenius Laser Cutting Head**



**BodorThinker Tube**



**Air Compressor (Optional)**



**Fume Filter (Optional)**

**Cutting Samples**



## Cutting Parameters

		Power	Thickness (mm)	1	2	3	4	5	6 (1/4")	8	10	12 (1/2")	14	16	18 (3/4")	20
Carbon steel	12kw	speed m/min		18--21	15-20	4--6	3.3--4.5	3.5--4.3	2.7--4	2.5--3.5	1.8--2.5	1.5--2	1.2--1.8	1--1.5	0.8--1	0.5--0.8
	6000W			18--21	15-20	3.8--5.5	3.2--4.3	3--4	2.5--3.5	2--3	1.3--2.2	1.2--1.7	0.9--1.3	0.6--1.1	0.5--0.7	
	3000W			18--21	10--12	3.5--5	3--3.8	2.6--3.2	1.9--2.4	1.6--2	1.2--1.6	0.9--1.3	0.8--1	0.6--0.9	0.5--0.6	
	1500W			17--19	6--8	2.5--3.5	2.3--2.8	1.8--2.4	1.4--1.8	1--1.4	0.8--1.1	0.6--0.9	0.5--0.6			
		Power	Thickness (mm)	1	2	3	4	5	6 (1/4")	8	10	12 (1/2")	14	16	18 (3/4")	20
Stainless steel	12kw	speed m/min		23--28	20--22	8--12	12--14	7--9	6--8	3--4	1.5--2.5	1--2	0.8--1.5	0.6--1	0.6--0.8	0.4--0.5
	6000W			23--28	20--22	8--10	9--12	6--8	4--5.5	2--3	1--1.5	0.5--1	0.4--0.7	0.2--0.4	0.2--0.4	
	3000W			23--28	14--18	4.2--5.4	2.8--3.6	1.8--2.4	1--1.5	0.8--1.2	0.4--0.6					
	1500W			15--20	9--12	2--3	1.2--1.5	0.6--0.9	0.5--0.6							

## 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 m<sup>2</sup>.

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

