



FIBER LASER CUTTING MACHINE

K2-65 Photo	Laser Power	
	3kW	
Freight&Tariff	Included	
Installation & Training Cost	Included	
Transportation	By Sea	
Payment Terms	50% down payment, 50% before shipment.	
Warranty	Five years warranty for laser source and laser head Three years warranty for main parts One year free labor	
Optional		
Semi auto loading device K-Loader2-65		
Full auto loading device K-Trans2-65 (Bundle loading)		
Fume Filter		
22kW Air Compressor		
Upgrade to SK2 high-speed tube cutter		
Basic Parameter		
Tube cross-sectional shape	Round, square, rectangular, oval, rounded rectangular, Angle steel, channel steel and other tubes	
Tube size range	Round tube : $\Phi 8 - \Phi 230\text{mm}$ ($\Phi 0.31 - \Phi 9.06\text{in}$) Square tube : $\square 8 - \square 230\text{mm}$ ($\square 0.31 - \square 9.06\text{in}$) Rectangular tube : $230\text{mm}(9.06\text{in}) \geq \text{Side length} \geq 8\text{mm}(0.31\text{in})$ Angle steel : 3#-14# Channel steel : 5#-14#	
Maximum machinable tube length	6500mm(21ft)	
Maximum tube weight	300Kg(661.387lb) 46Kg/m(31.489lb/ft)	

Intelligent Function

Bodor Lightning perforation technology	Yes
High Speed Cutting Expert Database	Yes
Automatic tube inspection	Edge-seeking, center-finding
Cutting gas automatic pressure regulation function	O ₂
Touch screen control	No
Automatic focusing function of laser head	Yes
Laser cutting technology database	Yes
Over edge protection	Yes
Active obstacle avoidance function	Yes
Angle steel, channel steel cutting	Yes
Anti-slag Protection	Yes
Gas-saving steady flow nozzle	Yes
Intelligent maintenance reminder	Yes
BodorCloud sevice	Yes
WIFI internet connection	Yes

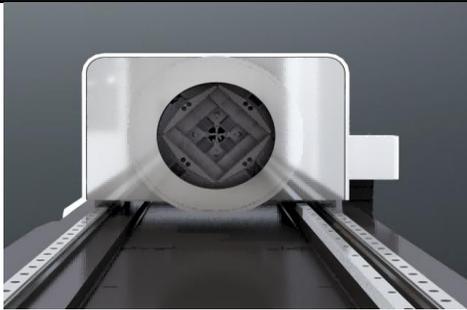
Performance

Requirements for tubes	Diameter < $\varnothing 50\text{mm}(\varnothing 1.97\text{in})$: wall thickness $\geq 0.5\text{mm}(0.0196\text{in})$ Diameter $\geq \varnothing 50\text{mm}(\varnothing 1.97\text{in})$: Wall thickness $\geq 2.5\%$ of Diameters of tubes
Shortest remaining material	$\geq 70\text{mm}(2.76\text{in})$
Dimensions	9347mm \times 1872mm \times 2286mm (31ft \times 6ft \times 7ft)
Maximum bearing load	500kg(1102lb) 46Kg/m(31.480lb/ft)
Overall weight	2450kg (5390lb)
Positioning accuracy	0.05mm/m
Repositioning accuracy	0.03mm/m
Max. Chuck rotating speed	100r/min
Max. Dry running speed	90m/min (295.28ft/min)
Max. Acceleration	1G

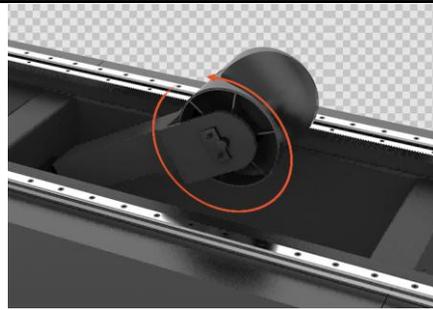
Configuration

Laser source	BodorPower
Laser head	BodorGenius T
Chuck drive types	Pneumatic chuck
Waste Trolley	Yes
Standard tube support holder	Yes
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
Intelligent alarm	Yes
Intelligent LED alert lights	Yes
File format	IGS、DXF、G Code
Water Chiller	Yes
Dust removal	Dust collector
Total power capacity/current with 3kW source (380V)	19.89Kw/42.7A

Key Configuration Photos



Pneumatic chuck



Standard tube support holder



21.5 inches Display



BodorPower Laser Source



BodorGenius Laser Cutting Head



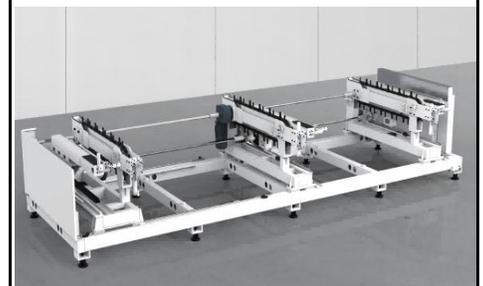
BodorThinker Tube



Air Compressor (Optional)



Fume Filter (Optional)



Automation (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 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

