



FIBER LASER CUTTING MACHINE

	Laser Power	
	3kw	
Freight & Tariff	Included	
Installation & Training Cost	Included	
Transportation	By Sea	
Loading Container	2*40'HQ	
Payment Terms	30% down payment, 70% before shipment.	
Warranty	Three years limited warranty for main parts. One year free labor.	
Optional		
T-Loader2-65 (Automation)		
T-Trans2-65 (Automation)		
Fume Filter		
Air Compressor		
Basic Parameter		
Tube cross-sectional shape	Round, square, rectangular, oval, rounded rectangular, Angle steel, channel steel and other tubes	
Tube size range	Round tube: $\varnothing 8 - \varnothing 230\text{mm}$ Square tube: $\square 8 - \square 230\text{mm}$ Rectangular tube: $230\text{mm} \geq \text{Side length} \geq 8\text{mm}$, I-beam: 10#-14#	
Maximum machinable tube length	6500mm ($\approx 21'$)	
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_2	
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 service	Yes	
WiFi internet connection	Yes	

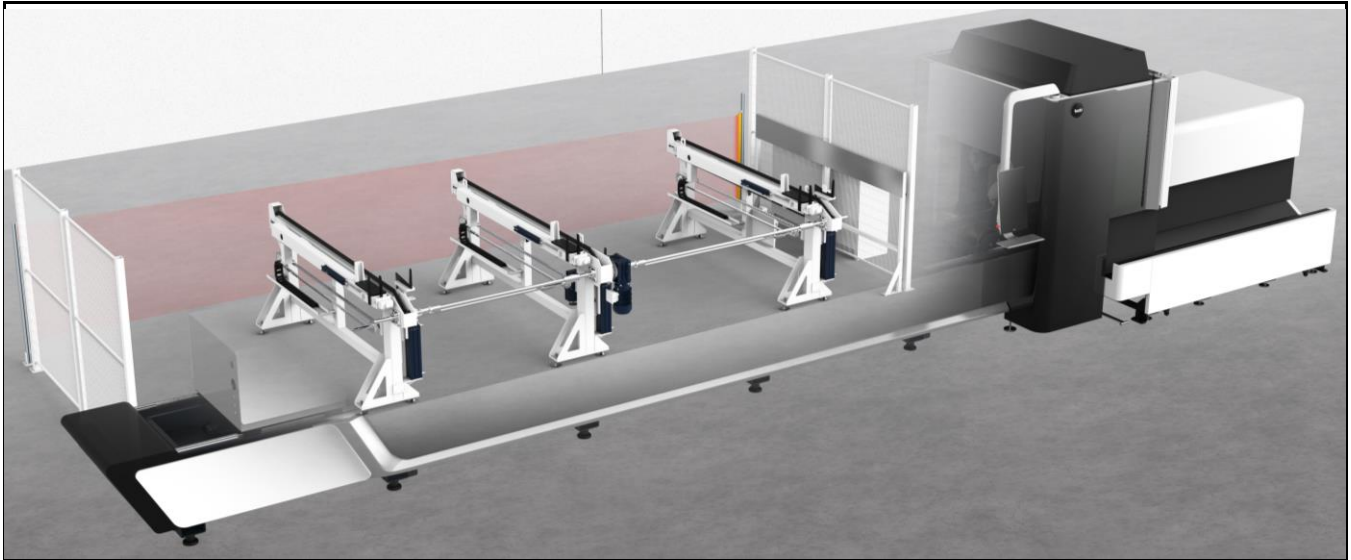
Performance		
Requirements for tubes	Diameter < $\phi 50\text{mm}$ Diameter $\geq \phi 50\text{mm}$;	thickness $\geq 1.2\text{mm}$; Wall thickness $\geq 2.5\%$ of Diameters of tubes
Maximum tube length	4500mm ($\approx 14.8'$)	
Shortest remaining material	80mm ($\approx 3'$) 560mm (Optional open type pipe special claw)	
Dimensions	12650mmx2350mmx2500mm ($\approx 41.5'\times 7.7'\times 8.2'$)	
Maximum tube weight	300Kg 46Kg/m	
Overall weight	5060kg	
Positioning accuracy	0.05mm/m	
Repositioning accuracy	0.03mm	
Max. Chuck rotating speed	120r/min	
X axis maximum speed	140m/min	
Y axis maximum speed	100m/min	
X maximum acceleration	1.5G	
Y maximum acceleration	1.5G	
Z axis maximum speed	60m/min	
Configuration		
Processing precision ($\square 38\text{mm}$ stainless steel square tube)	$\phi 20\text{mm}$ roundness	$\leq 0.15\text{mm}$
	<input type="checkbox"/> 20mm square diagonal size difference	$\leq 0.20\text{mm}$
	<input type="checkbox"/> 20mm square position size difference	$\leq 0.3\text{mm}$
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)	68.38 KVA/104A	
Total power capacity/current with 3KW source (380V)	52.63 KVA/80A	
T-Loader2-65		
Adaptive length	6500mm ($\approx 21'$)	
One-click setting	Yes	
Lack of material alarm	Yes	
Add tube midway	Yes	
Automatic loading	Yes	
Host security interlock	Yes	
Tube type	Round tube	Yes
	Square tube	Yes
	Rectangular tube	Yes
Tube size range	Round tube	$\phi 25 - \phi 230\text{mm}$
	Square tube	$\square 25 - \square 160\text{mm}$

	Rectangular tube	160mm \geq Side length \geq 20mm
Maximum tube weight		300KG
Tube loading length range		4500mm-6500mm (\approx 15'-21') Due to the long overhang of some length tubes, the overhang is large
Maximum load capacity of storage bin		1.8t
Location number		11 (ϕ <90) 6(ϕ >90)
Module dimensions		6598mm*2800mm*1265mm (\approx 21.6'x9'x4')
Weight		1200kg
Total power capacity/current (380V)		2.1KVA/3.2A

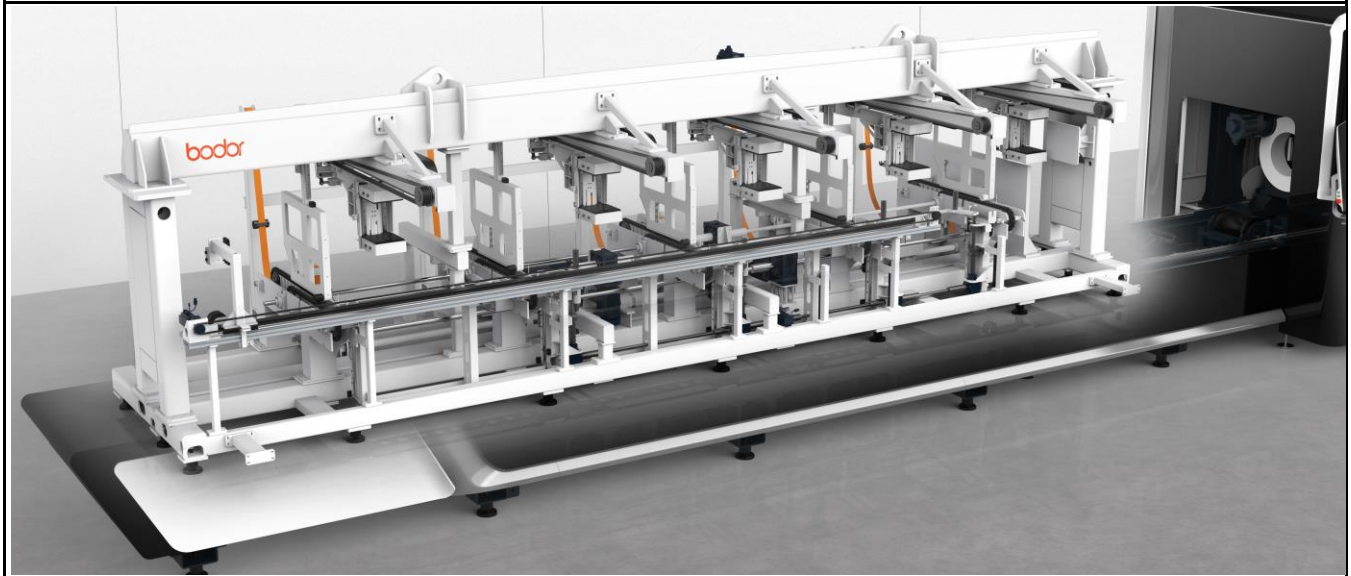
T230-65 Photo



T-Loader2-65



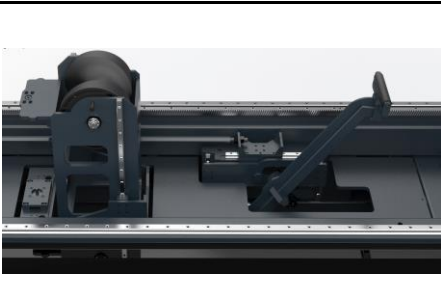
T-Trans2-65



Key Configuration Photos



Pneumatic chuck



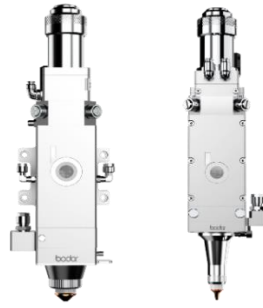
Composite rollers



21.5 inches Display



BodorPower Laser Source



BodorGenius Laser Cutting Head



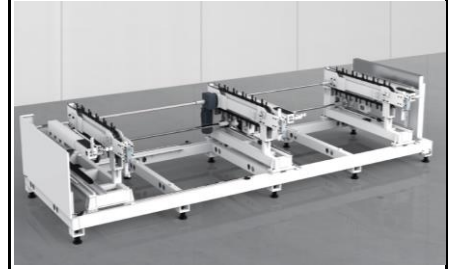
BodorThinker Tube



Air Compressor (Optional)

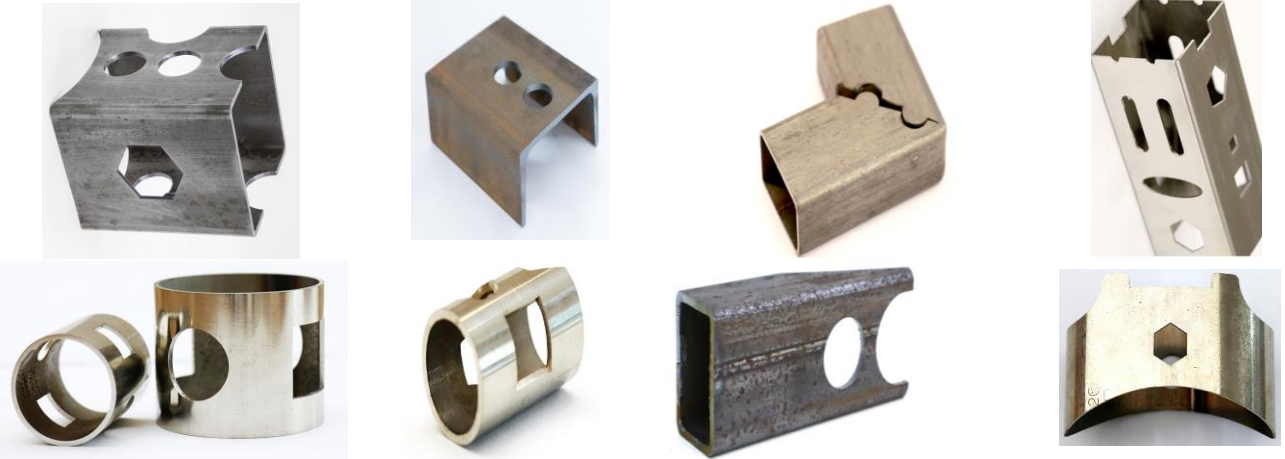


Fume Filter (Optional)



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
	6000V		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		
	3000V		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		
	1500V		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
	6000V		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		
	3000V		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						
	1500V		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.)



Leading Manufacturer

World Brand

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

