

FIBER LASER CUTTING MACHINE

	Laser Power	
	6kw	
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: $\phi 8$ - $\phi 230$ mm Square tube: $\square 8$ - $\square 230$ 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

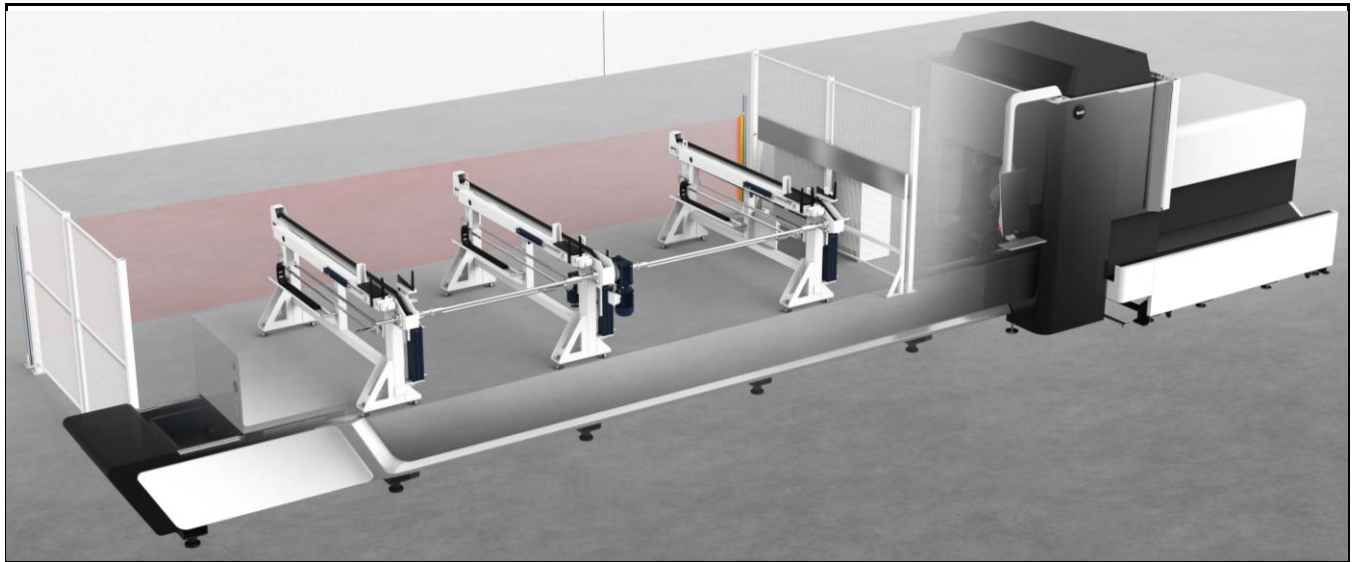
Performance		
Requirements for tubes	Diameter < φ50mm Diameter≥φ50mm;	thickness≥1.2mm; Wall thickness≥2.5% of Diameters of tubes
Maximum tube length	4500mm (≈ 14.8')	
Shortest remaining material	80mm (≈ 3') 560mm (Optional open type pipe special claw)	
Dimensions	12650mmx2350mm×2500mm (≈ 41.5'x7.7'x8.2')	
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 (□38mm stainless steel square tube)	Φ20mm roundness	≤0.15mm
	□20mm square diagonal size difference	≤0.20mm
	□20mm square position size difference	≤0.3mm
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 (≈ 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	Φ25 - Φ230mm
	Square tube	□25 - □160mm

	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 ($\varphi < 90^\circ$) 6($\varphi > 90^\circ$)
Module dimensions		6598mm*2800mm*1265mm ($\approx$ 21.6'x9'x4')
Weight		1200kg
Total power capacity/current (380V)		2.1KVA/3.2A

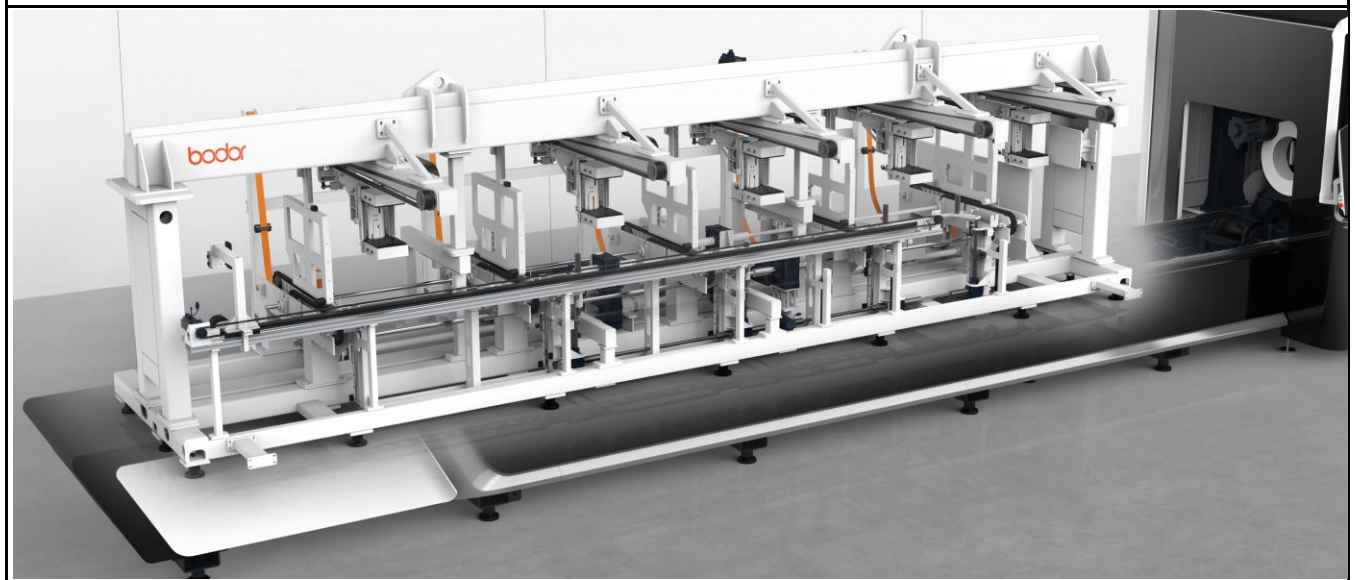
T230-65 Photo



T-Loader2-65



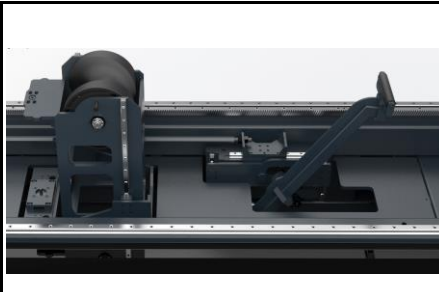
T-Trans2-65



Key Configuration Photos



Pneumatic chuck



Composite rollers

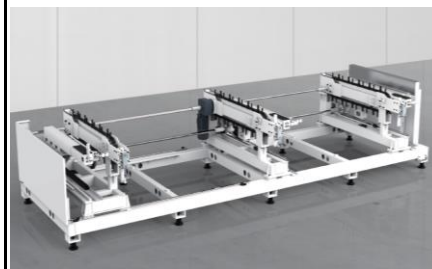


21.5 inches Display



BodorPower Laser Source

BodorGenius Laser Cutting Head

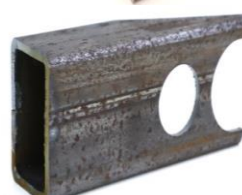
BodorThinker Tube

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

