




## FIBER LASER CUTTING MACHINE

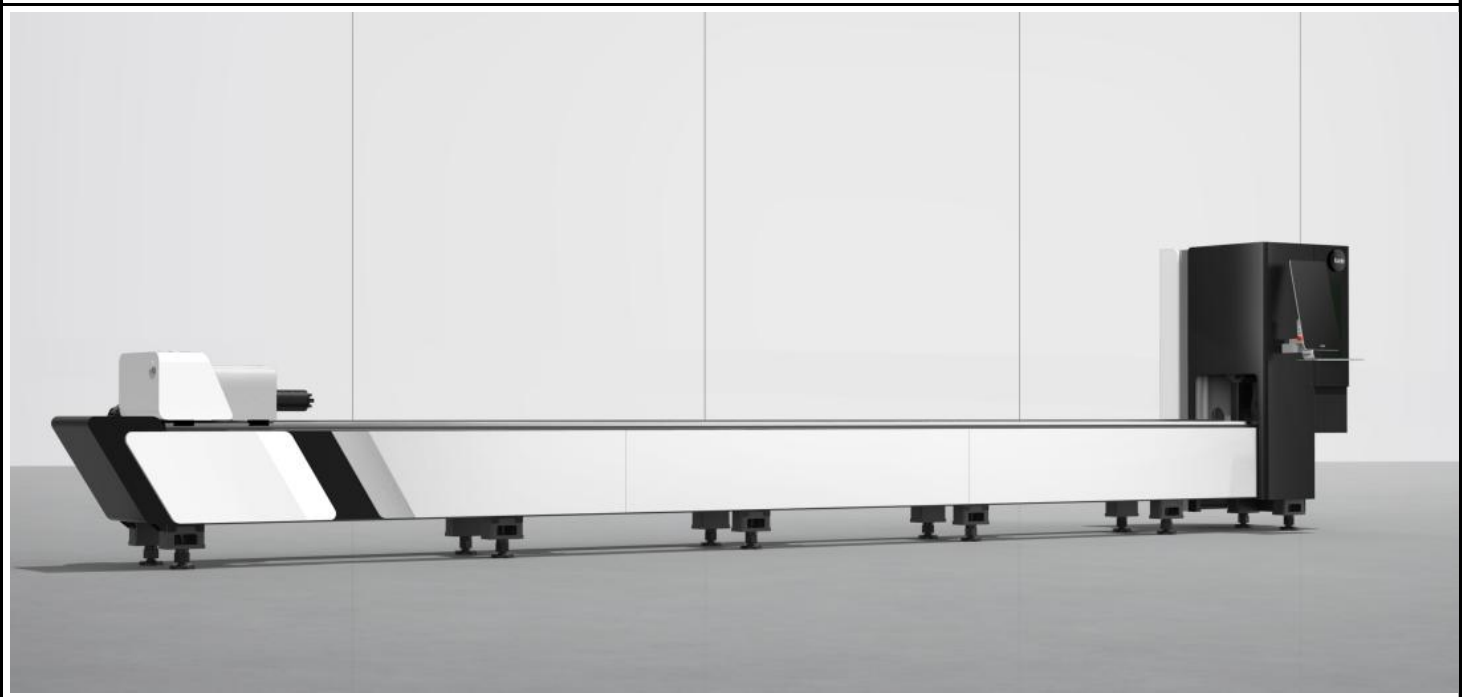
<b>K0C-65 Photo</b>	<b>Laser Power</b>	
	<b>3kw</b>	
<b>Fume Filter</b>	<b>Included</b>	
<b>Air Compressor</b>	<b>Included</b>	
<b>Freight&amp;Tariff</b>	<b>Included</b>	
<b>Installation &amp; Training Cost</b>	<b>Included</b>	
<b>Transportation</b>	<b>By Sea</b>	
<b>Loading Container</b>	<b>1*40'HQ</b>	
<b>Payment Terms</b>	<b>50% down payment, 50% before shipment.</b>	
<b>Warranty</b>	<b>Three years limited warranty for main parts. One year free labor.</b>	
<b>Basic Parameter</b>		
Tube cross-sectional shape	Round, square, rectangular, oval, rounded rectangular, Angle steel, channel steel and other tubes	
Tube size range	Round tube: $\phi 6-\phi 90\text{mm}$ ( $\phi 0.24\text{in}-\phi 3.54\text{in}$ ) Square tube : $\square 6-\square 90\text{mm}$ ( $\square 0.24\text{in}-\square 3.54\text{in}$ ) Rectangular tube: $90\text{mm}$ ( $3.54\text{in}$ ) $\geq$ Side length $\geq 6\text{mm}$ ( $0.24\text{in}$ ) Angle/Channel steel: Longest side $\leq 60\text{mm}$ ( $2.36\text{in}$ )	
Maximum machinable tube length	$6500\text{mm}$ ( $\approx 21'$ )	

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 <sub>2</sub>
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 < $\varnothing 20\text{mm}$ ( $\varnothing 3/4\text{in}$ ) : Wall thickness $\geq 0.4\text{mm}$ ; Diameter $\geq \varnothing 20\text{mm}$ ( $\varnothing 3/4\text{in}$ ): Wall thickness $\geq 2.5\%$ of diameter. (Toolings required for tuebs with thinner wall thickness)
Shortest remaining material	40mm ( $\approx 1.58''$ )
Dimensions	9600mm $\times$ 1740mm $\times$ 2115mm (31ft $\times$ 6ft $\times$ 7ft)
Maximum tube weight	50Kg (110.23lb) or 7.7Kg/m (5.17lb/ft)
Overall weight	2270kg
Positioning accuracy	$\pm 0.03\text{mm/m}$
Repositioning accuracy	$\pm 0.03\text{mm/m}$
Max. Chuck rotating speed	200r/min
Max. no-load moving speed	150m/min

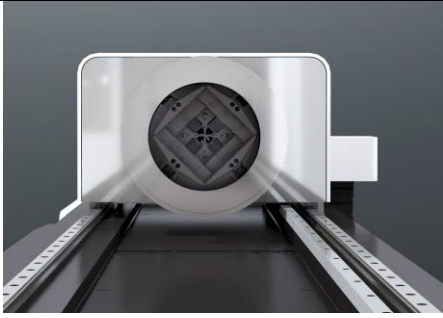
### Configuration

Processing precision (□38mm stainless steel square tube)	Φ20mm roundness	≤0.15mm
	□20mm square diagonal size difference	≤0.20mm
	□20mm square position size difference	≤0.25mm
Laser source	BodorPower	
Laser head	BodorGenius T	
Chuck drive types	Pneumatic chuck	
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	Centrifugal fan	
Total power capacity/current with 3KW source (380V)	15.38Kw/34.13A	

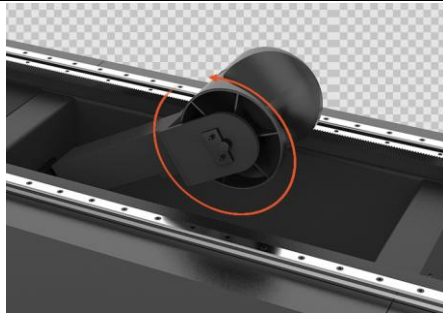
K0C-65 Photo



## Key Configuration Photos



**Pneumatic chuck**



**Standard tube support holder**



**21.5 inches Display**



**BodorPower Laser Source**



**BodorGenius Laser Cutting Head**



**BodorThinker Tube**

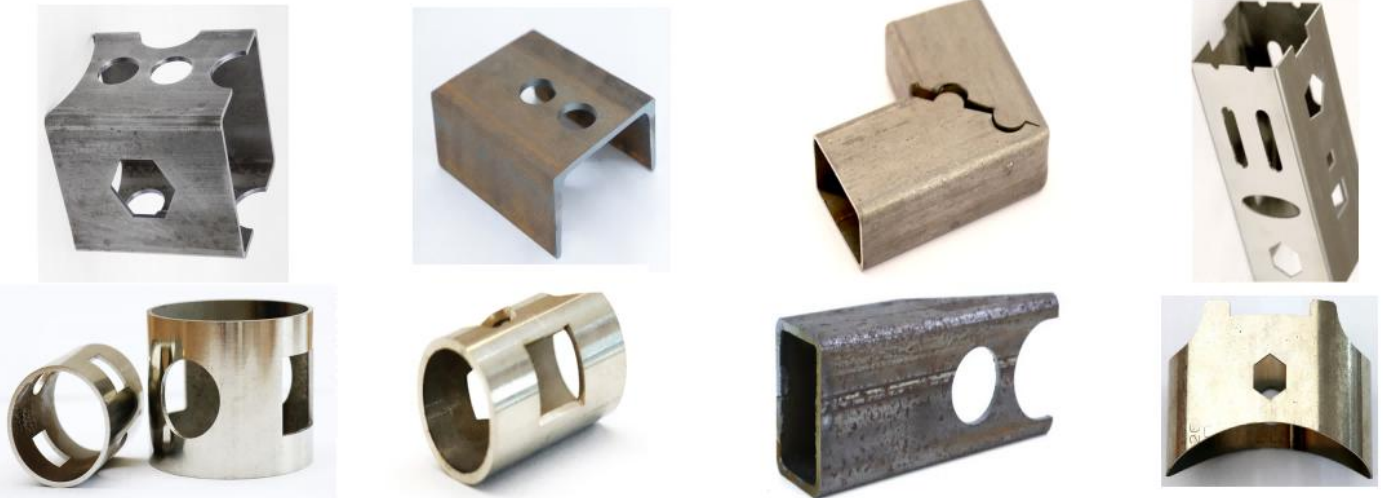


**Air Compressor (Included)**



**Fume Filter (Included)**

## 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
<b>Carbon steel</b>	<b>12kw</b>	<b>speed m/min</b>		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
	<b>6000W</b>			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	
	<b>3000W</b>			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	
	<b>1500W</b>			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
<b>Stainless steel</b>	<b>12kw</b>	<b>speed m/min</b>		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
	<b>6000W</b>			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	
	<b>3000W</b>			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					
	<b>1500W</b>			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

