

## FIBER LASER CUTTING MACHINE P3015

P3015	Laser Power	Price
	30Kw BodorPower	
Loading Container	2x40'HQ	
Scanning Cutting	Included	
Freight&Tariff	Included	
Installation & Training Cost	Included	
Transportantion	By Sea	
Payment Terms	30% down payment, 70% before shipment.	
Warranty	Three years limited warranty for main parts. One year free labor.	
Basic Parameter		
Working area	3048mm*1524mm(10'x5')	
Max. linkage speed	200m/min	
Configuration		
Laser source	Bodor Power( MAX)	
laser head	BodorGenius	
Machine bed	Mortise-and-tenon type plate welded segmented bed	
Gantry	Stretched Aluminum gantry	
Linear Rails	Made in Taiwan	
Rack	Made in Taiwan	
X-axis、Y-axis、Z-axis、A-axis Servo motor and driver	Bodor	
Protective Enclosure	Yes	
Enhanced-partition Dust Removal	Yes	
Control system	Bodor Thinker	
Display size	21.5 inches touch screen	

Door-open Protection	Yes
Intelligent alarm	Yes
Water Chiller	Yes
File format	IGS、DXF、G Code
Power Requirements	220V/440V/480V 60HZ 3PHASE (Up to Clients Power Requirement)
Total power capacity/current with 40KW source	264.6KVA/402.0A
Total power capacity/current with 30KW source	204.6KVA/310.8A
Total power capacity/current with 22KW source	141.9KVA/217.1A
Total power capacity/current with 12KW source	95.1KVA/144.4A
Total power capacity/current with 6KW source	60.3KVA/91.6A
Total power capacity/current with 3KW source	44.6KVA/67.7A
<b>Intelligent function</b>	
One-click processing	Yes
SpaceEye	option
Visual collision detection	Yes
Bodor Lightning perforation technology	Yes
High Speed Cutting Expert Database	Yes
Automatic nozzle changer	8 Nozzles
Automatic nozzle cleaning	Yes
Touchscreen Display	Yes
Air pressure intelligent control	● 12KW and above
Automatic adjustment of cutting gas pressure	6KW below: O <sub>2</sub> 6KW and above: O <sub>2</sub> 、N <sub>2</sub> 、air
Auto-focus of laser head	Yes
Laser cutting technology expert database	Yes
Ergonomic Remote Control (Bodor Mango®)	Yes
Active anti-collision function	Yes
Intelligent anti-shake	Yes
High quality Cutting Expert Database	Yes
Anti-slag Protection	Yes
Gas-saving steady flow nozzle	Yes

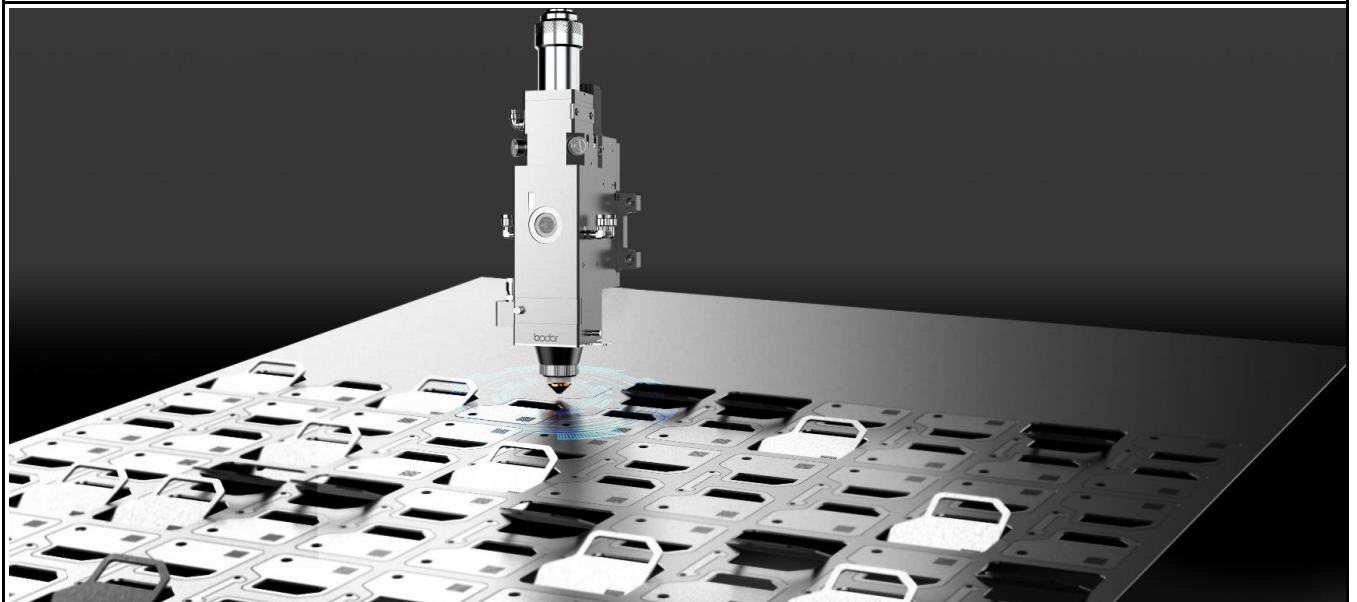
Intelligent maintenance reminder	Yes
WIFI internet connection	Yes
Bodor Cloud sevice	Yes
<b>Performance</b>	
Max. acceleration	4.0G
Table load bearing	1050kg (1-4kw) 1450kg (≥6kw)
Machine overall dimensions	8840*2240*2520mm
Overall weight	6500kg
Z axis travel	350mm
Positioning accuracy	0.03mm
Repositioning accuracy	0.02mm
Φ30mm roundness	≤0.15mm
<input type="checkbox"/> 30mm adjacent side dimension difference	≤0.06mm
<input type="checkbox"/> 190mm adjacent side dimension difference	≤0.15mm
<input type="checkbox"/> 190mm diagonal size difference	≤0.20mm
<b>Itrans (Automatic Loading &amp; Unloading System) Introduction</b>	
Matching Model	P3 & P4
Working area	1000mm*1000mm-3000mm*1500mm
Automatic Material Splitting	Yes
Adjustable suction cup frame	Yes
Material height identification	Yes
Bed position detection	Yes
Detection function of sheet metal	Yes
Automatic loading	Yes
Automatic cutting	Yes
Host security interlock	Yes
Table exchange interlock	Yes
Maximum thickness of feeding plate	25mm
Number of laser cutting (host) machines connected	1
Maximum loading weight	900Kg
Minimum thickness of the feeding plate	1mm

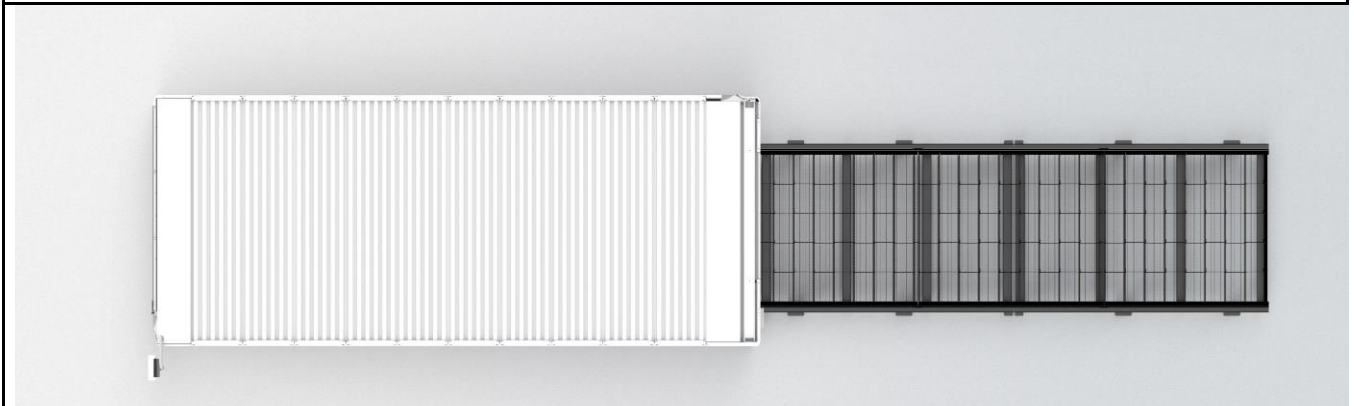
Finished product trolley maximum load	3T
Maximum height of finished sheet	85mm
V-type guide mechanism for whole process	Yes
Module dimensions	5400mm*3970mm*3070mm
Total power capacity/current	13.1KVA/16A
weight	6100kg
Continuous reloading time	110s
Operation method	Touch screen operation

#### Itrans Photo



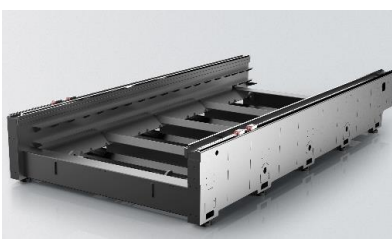
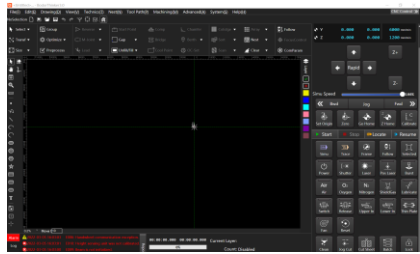



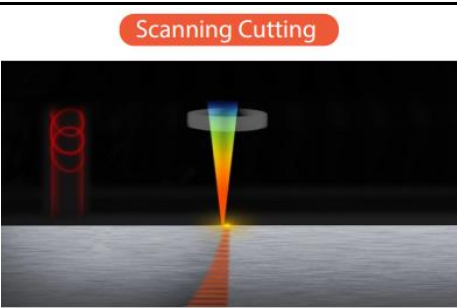




#### P3015 INTRODUCTION





**SAMPLES**

		
Key Configuration Photos		
		
Bodor power Laser resonator	Mortise-and-tenon type plate welded segmented bed	Bodor thinekr 3.0
		
Bodor Genius Laser head	Touch Screen	Water Chiller
		
【Option】 Scanning cutting	【Option】 Laser fume filter	【Option】 Air Compressor
Cutting Parameters		

Reference table of laser cutting process parameters																			bodor <small>Don't Stop</small>	
	Power	(mm)	1mm	2	3(1/8")	4	5	6(1/4")	8	10	12(1/2")	14	16	18	20	25	30	35	40	
Carbon steel (Q235A) 02	22kW	speed m/min (1m=3.3ft) (1m=39.3in)	9—11	5—7.5	3.5—5.5	3.5—5	3.3—4.8	3.0—4.2	2.5—3.9	2.0—3.8	1.6—3.8	1.5—3.8	1.4—3.7	1.4—3.6	1.5—3.5	1.0-3.0	0.8—2.2	0.6—1.0	0.5—1.1	
	12kW		9—11	5—7.5	3.5—5.5	3.5—5	3.3—4.8	3.0—4.2	2.5—3.8	2.2—3.6	1.2—3.5	1.7—3.3	1.2—3.1	1.0—2.7	0.6—2.4	0.5—1.6	0.3—1.0	0.3—0.7	0.2—0.4	
	6kW		8—10	5—7.5	3.5—5	3.0—4.5	3.0—4.2	2.5—3.5	2.2—3.2	1.8—2.5	1.2—2.1	1.2—1.8	0.8—1.5	0.6—1.2	0.5—0.8	0.3—0.55				
	3kW		8.0—10	5.5—7.5	3.0-4.0	2.8-3.5	2.6-3.2	2.5-2.6	1.6-1.8	1.4-1.6	1.0-1.4	0.8-0.9	0.7-0.8	0.6-0.7	0.5-0.6					
	2kW		8.0—10	4.0—6.0	3.0—4.0	2.8-3.3	2.2-2.8	1.8-2.3	1.2-1.7	1.0-1.2	0.8-1.0	0.6-0.85	0.6-0.75	0.5-0.6						
	1.5kW		8.0—10	4.5—5.5	2.5—3.4	2.1—2.4	2.0—2.5	1.6—1.8	1.0—1.2	0.7—0.9	0.7—0.8	0.5—0.7								
1kW	8.0—10	4.5—5.5	2.4—3.0	1.8-2.2	1.6-1.8	1.2-1.3	0.6-0.8	0.5-0.7												
	Thickness		1	2	3(1/8")	4	5	6(1/4")	8	10	12(1/2")	14	16	18	20	25	30	35	40	
Stainless steel (201) #2	22kW	speed m/min (1m=39.3in)	72—100	50—75	38—55	25—35	24—32	20—25	15—19	10—13.5	8.0—10	6.0—8.5	4.0—6.0	3.0—3.5	2.0—3.0	1.5—2.2	1.2—1.5	0.4—0.8	0.3—0.6	
	12kW		70—85	40—66	35—45	20—32	18—25	12—15	8—12	6.0—8.0	4.0—5.5	3.0—5.0	2.2—2.8	1.2—2.0	1.0—1.6	0.5—0.8	0.3—0.6	0.3—0.5	0.3—0.5	
	6kW		42—52	20—33	15—22	10—15	7.0—12	4.8—9.0	3.0—4.0	1.6—2.5	0.8—1.5	0.6—1.2	0.5—1.0	0.4—0.8	0.3—0.6	0.2—0.4				
	3kW		30—55	12—30	6.0-10.0	4.0-6.0	3.0—5.0	2.0-3.2	1.0-1.8	0.5-0.85	0.4-0.5									
	2kW		24—30	9.0-17	4.0-7.0	3.2-4.0	2.0-2.7	1.2-1.8	0.7-1.2											
	1.5kW		20—30	8.0-16	3.0-5.5	1.5-3.2	0.7-1.5	0.7-1.3												
1kW	18—20	5.0-7.0	2.2-4.0	1.2-2.3																
	Thickness		1	2	3(1/8")	4	5	6(1/4")	8	10	12(1/2")	14	16	18	20	25	30	35	40	
Aluminum #2	22kW	speed m/min (1m=3.3ft)	70—100	40—70	35—60	30—43	22—35	18—28	12—20	7.0—12.0	4.5—6.5	3.0—4.0	2.5—3.5	1.8—2.2	1.5—2.0	0.8—1.5	0.6—1.2	0.4—0.9	0.3—0.5	
	12kW		60—85	38—50	30—40	20—30	15—25	10—15	7.0—12	4.5—8.0	4.0—5.0	1.8—2.7	1.5—2.5	1.0—1.8	0.9—1.5	0.6—0.9	0.3—0.8	0.3—0.6	0.3—0.4	
	6kW		42—55	20—40	15—25	9.5—12	5.0—8.0	3.8—5.0	2.0—2.5	1.0—1.5	0.8—1.3	0.9—1.2	0.5—0.8	0.5—0.7	0.5—0.7	0.3—0.5				
	3kW		25—30	13—20	6.5-7.5	3.5-5.0	2.5-3.5	1.5-2.5	0.7-1.0											
	2kW		15—25	7—10	4.0-8.0	2.5-3.0	1.2-2.5	0.6-0.9												
	1.5kW		10—15	5.0-7.0	2.0-2.6	1.0-1.4	0.5-0.7													
1kW	8—10	2.8-3.6	0.7-1.1																	

## 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 in 2019 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.)

Became Listed Company in 2016, Red Dot Design Award in 2017.

Leading Manufacturer

World Brand

Honors

Bodor China





Bodor USA

