

## Fiber Laser Cutting machine for Metal mainly

### Our Models:

Model No.	area		Power Watt
	mm	feet	
BATEC FIB 0640-500	600/400	3/2	500
BATEC FIB 0640-750	600/400	3/2	750
BATEC FIB 1390-500	1300/900	4/3	500
BATEC FIB 1390-750	1300/900	4/3	750

- \*Switzerland Raytools laser head*
- \*Japan Panasonic servo motor*
- \*Taiwan TBI ball screw drive*
- \*Japan SMC /Airtac pneumatic parts*
- \*French Schneider electronic parts*
- \*Laser head automatically adjust system*
- \*Cypcut operation system*
- \*Smoke exhaust system*
- \*Water cooling machine*
- \*One year warranty*



## Fiber Laser Cutting machine for Metal mainly

### Our Models:

Model No.	area		Power
	mm	feet	Watt
BATEC FIB 3015E-500	3000/1500	10/5	500
BATEC FIB 3015E-750	3000/1500	10/5	750
BATEC FIB 3015E-1000	3000/1500	10/5	1000

Model No.	area		Power
	mm	feet	Watt
BATEC FIB 3015LN-500	3000/1500	10/5	500
BATEC FIB 3015LN-750	3000/1500	10/5	750
BATEC FIB 3015LN-1000	3000/1500	10/5	1000
BATEC FIB 3015LN-1500	3000/1500	10/5	1500

- \*Raycus or IPG laser source*
- \*AU3TECH operation system*
- \*AU3TECH laser head*
- \*Taiwan APEX rack pinion*
- \*Taiwan HIWIN square rail*
- \*Laser head automatically adjust system.*
- \*Smoke purify system*
- \*Water cooling machine*
- \*Taiwan DELTA servo motor and driver*



## Fiber Laser Cutting machine for Metal mainly

### Our Models:

Model No.	area		Power
	mm	feet	Watt
BATEC FIB 3015CN-500	3000/1500	10/5	500
BATEC FIB 3015CN-750	3000/1500	10/5	750
BATEC FIB 3015CN-1000	3000/1500	10/5	1000
BATEC FIB 3015CN-1500	3000/1500	10/5	1500
BATEC FIB 3015CN-2000	3000/1500	10/5	2000
BATEC FIB 3015CN-3000	3000/1500	10/5	3000

*Switzerland Raytools laser head*

*\*France Motovario motor reducer*

*\*Japan YASKAWA servo motor 850w*

*\*Taiwan APEX gear rack*

*\*Japan SMC/Airtac pneumatic parts*

*\*French Schneider electronic parts*

*\*Automatic lubrication system.*

*\*Integrated cast aluminum beam*

*\*Taiwan HIWIN square rail*

*\*Laser head automatically adjust system.*

*\*Cypcut operation system*

*\*Smoke purify system*

*\*Water cooling machine*

*\*One year warranty*



## Fiber Laser Cutting machine for Metal mainly

### Our Models:

Model No.	area		Power
	mm	feet	Watt
BATEC FIB 60M-500	3000/1500	10/5	500
BATEC FIB 60M-750	3000/1501	10/5	750
BATEC FIB 60M-1000	3000/1502	10/5	1000

- \*Switzerland Raytools laser head*
- \*6m full automatically chuck*
- \*cutting diameter 20mm-220mm*
- \*Japan YASKAWA servo motor*
- \*German ATALANTA gear rack*
- \*Japan SMC/Taiwan Airtac pneumatic parts*
- \*French Schneider electronic parts*
- \*Automatic lubrication system*
- \*Integrated cast aluminum beam*
- \*Taiwan HIWIN square rail*
- \*Laser head automatically adjust system.*
- \*Cypcut operation system*
- \*Smoke purify system*
- \*Water cooling machine*
- \*One year warranty*



## Fiber Laser Cutting machine



Technical Parameter	
Machine model	BATEC FIB 6025-2000
Laser source	2KW Raycus fiber laser source
Control system	Shanghai Cypcut system
Working size	X,Y 2500x6000mm
Cutting head	Worthing laser head
Driver and motor XX	X axis 1800W motor and driver
Driver and motor YY	Y axis double sets 850W Yaskawa servo driver and motor
Driver and motor for Z Z	for Z Z axis 400W Panasonic driver and motor
Reducer	France MOTOVARIO
Reducer ratio	5:1
Rack and pinion	German Atlanta
X,Y,Z guide rail	Taiwan Hiwin guide rail
Water cooling system	TONGFEI water chiller (double temperature control)
Electricals	Schneider
Support software	DXF , PLT ,AI , LXD , Gerber ,NC , G. code
Repeat positioning	accuracy $\pm 0.02$ mm
Maximum speed	120m/min
Maximum Acceleration	1.5G
Focus lens	125mm
Power supply	380V 50HZ /60HZ 3PH
Total power	20.1kw
Application material	Stainless steel , carbon steel ,galvanized sheet ,brass ,aluminum , silver ,mild steel , silicon steel , titanium alloy etc .

# Fiber Laser Cutting machine

Cutting Speed for different Material								
	Thickness	500 W	750 W	1000 W	1200 W	1500 W	2000 W	3000 W
	mm	Cutting speed m/min						
Carbon Steel (CO2)	1	10	12	15	18	20	25	30
	2	5	6	7	8	10	12	18
	3	2	3	3.5	4	4.5	5	6
	4	1.5	1.8	2	2.5	3	3.5	4
	5	1	1.5	1.8	2	2.5	3	3.5
	6	0.6	1	1.5	1.5	2	2.5	3
	8		0.6	1	1.2	1.5	1.8	2
	10			0.6	0.8	1	1.2	1.5
	12				0.6	0.8	1	1.2
	16					0.6	0.8	1
	20						0.6	0.8
	24							
Stainless steel	1	10	12	15	18	20	25	30
	2	3	5	6	8	10	15	20
	3	1	1.5	2.5	3.5	4	5.5	11
	4		0.6	1	1.5	3	3.5	8
	5				0.6	1.5	2.5	5
	6					1	1.3	3
	8						1	2
	10							1
12							0.6	
14								
16								
Galvanized Sheet	1	8	10	12	15	18	20	25
	2	2	4	6	8	10	12	16
	3	0.6	1	1.5	3	3.5	5	10
Titanium	1	8	10	12	15	18	20	25
	2	2	4	6	8	10	12	16
Alumium	1	4	6	8	10	18	20	24
	2	1	2.5	4	5	6	8	14
	3			1	1.2	2	5	8.5
	4					1	3	5
	5						1.5	3.5
Copper	1	3	3.5	10	15	18	25	28
	2	0.6	1	3	5	6	8	12
	3			0.6	1.5	2	2.5	3.5
	4					0.6	1	1.5
	5						0.8	3
	6						0.6	2