

Laser Systems



We think Laser



For Material Processing

Fiber Laser Cutting machine for Metal mainly

Our Models:

Model No.	area		Power
	mm	feet	Watt
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 Watt
	mm	feet	
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	
BATEC FIB 1325L-500	1300/2500	4/8	500
BATEC FIB 1325L-750	1300/2501	4/8	750
BATEC FIB 1325LC-500	1300/2500	4/8	500
BATEC FIB 1325LC-750	1300/2500	4/8	750
BATEC FIB 1325-500	1300/2500	4/8	500
BATEC FIB 1325-750	1300/2500	4/8	750
BATEC FIB 1325-1000	1300/2500	4/8	1000

1325L Features of machine

- *Raycus 500w fiber laser generator
- *AU3TECH operation system
- *AU3TECH laser head
- *3rd generation aviation aluminum beam
- *France DELTA servo motor
- *Taiwan TBI ball screw transmission
- *Taiwan Airtac pneumatic parts
- *Taiwan square rail
- *Lubrication system
- *Smoke purify system
- *Tongfei water cooling chiller

1325 Features of machine

- *Raycus or IPG laser source
- *Cytcut operation system
- *Worthing laser head
- *France Schneider servo motor
- *Taiwan ball screw transmission
- *3rd generation aviation aluminum beam
- *Taiwan Airtac pneumatic parts
- *Lubrication system
- *Taiwan HIWIN square rail
- *Laser head automatically adjust system
- *Smoke purify system
- *Water cooling machine



1325LC Features of machine

- *Raycus 500w fiber laser generator and 150w CO2
- Reci laser tube
- *AU3TECH operation system
- *AU3TECH laser head
- *3rd generation aviation aluminum beam
- *France DELTA servo motor
- *Taiwan TBI ball screw transmission
- *Taiwan Airtac pneumatic parts
- *Taiwan HIWIN square rail
- *Lubrication system
- *Smoke purify system
- *Tongfei water cooling chiller

Fiber Laser Tube 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 $\pm 0.02\text{mm}$
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 (CO ₂)	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
	22							
	24							
Stanless 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

➤ Service Network – Applications

BATEC offer a excellent service for all our products. Excellent Service mean for us fast reaction in breakdown issues, maintaining of products and also for application support. Therefore we have hired best people and give them regular training at principals place. Only so we can guarantee a fast and high quality service to our customers. Customers first is our strategy.



➤ About Us



Dipl. Ing. Burkhard
Baier
CEO

BATEC SERVICES PVT LTD is a Indo- German company, based in Mumbai, the headquarter of business in India.

We are mainly dealing with instruments based on laser technology and also with Lasers and Photonics.



Abhinav Paliwal
Senior Sales
Manager

Our customers are from Pharmacy, Cement Industry, Food and Chemical Industry, and now also from Automotive, Electronic and Packing Industry for our Laser Systems.

Our Products are High Technology from selected principals, mainly from Germany.



Ajay Bhutani
Senior Technical
Manager

We can offer :

- Excellent products
- Excellent Service network
- Skilled people with many years of experience in the mentioned technologies.
- More than 30 years of experience in the Laser Technology will help our customers to get best solutions.