

BESCUTTER
Business Equipment Solutions 

FIBER LASER CUTTING MACHINES

CATALOG

May - 2020

 **excellent reviews!**



U.S. Based
Warranty and Support


**TWO
YEARS**

For more machine details
visit: www.bescutter.com

FIBER LASER CUTTING CAPACITIES

Fiber laser is a type of solid-state laser that is rapidly growing within the metal cutting industry. Unlike CO₂, fiber laser technology utilizes a solid gain medium, as opposed to a gas or liquid. The “seed laser” produces the laser beam and is then amplified within a glass fiber.

Smaller Laser Beam Size

With a wavelength of only 1.064 micrometers fiber laser produces an extremely small spot size (*up to 100 times smaller compared to the CO₂*) making it ideal for cutting metal.

Faster Cutting Speed

The higher absorption of the fiber wavelength and the higher power density created by focused beam achieve to fast cutting speed.

Electrical Efficiency

Fiber laser is much more efficient when it comes to electricity, meaning lower running costs and more environmentally friendly machine. For example, a 3 kW fiber laser uses only a third of the power of that of a 4 kW CO₂ laser.

Low Maintenance

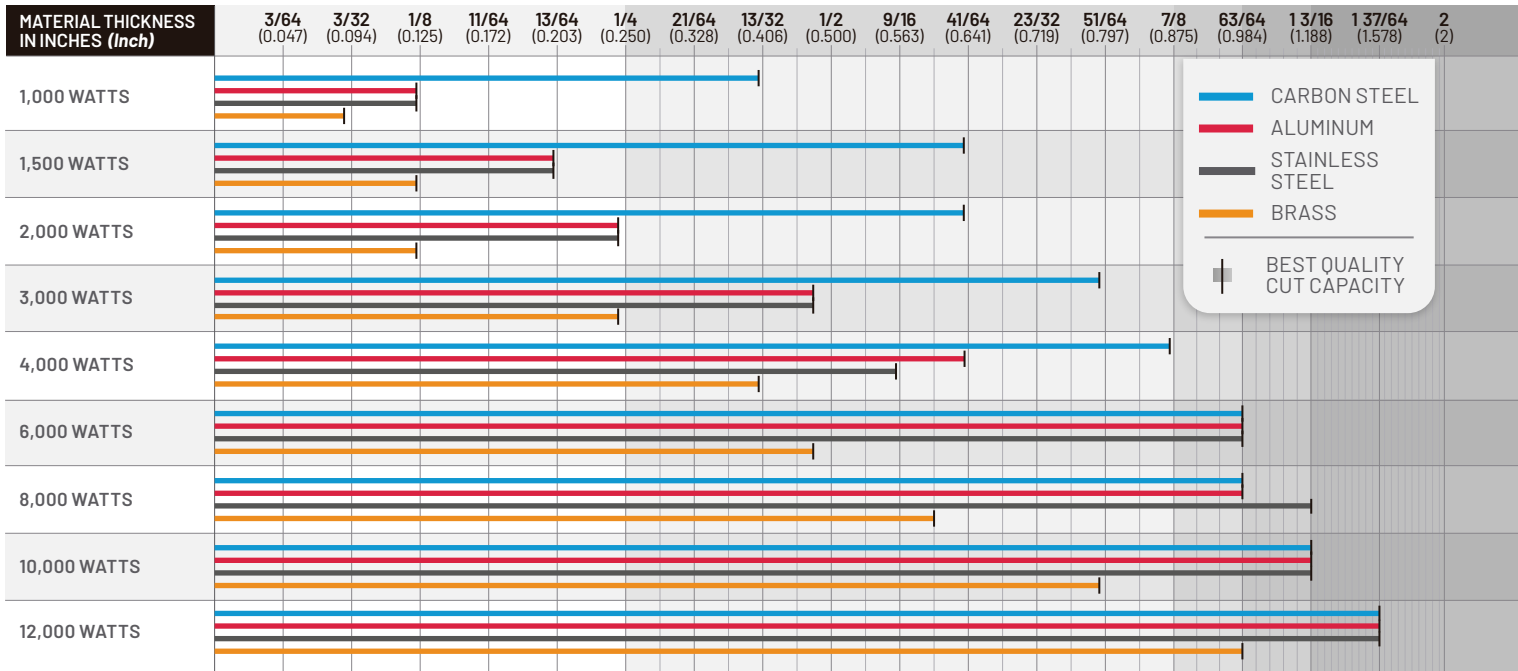
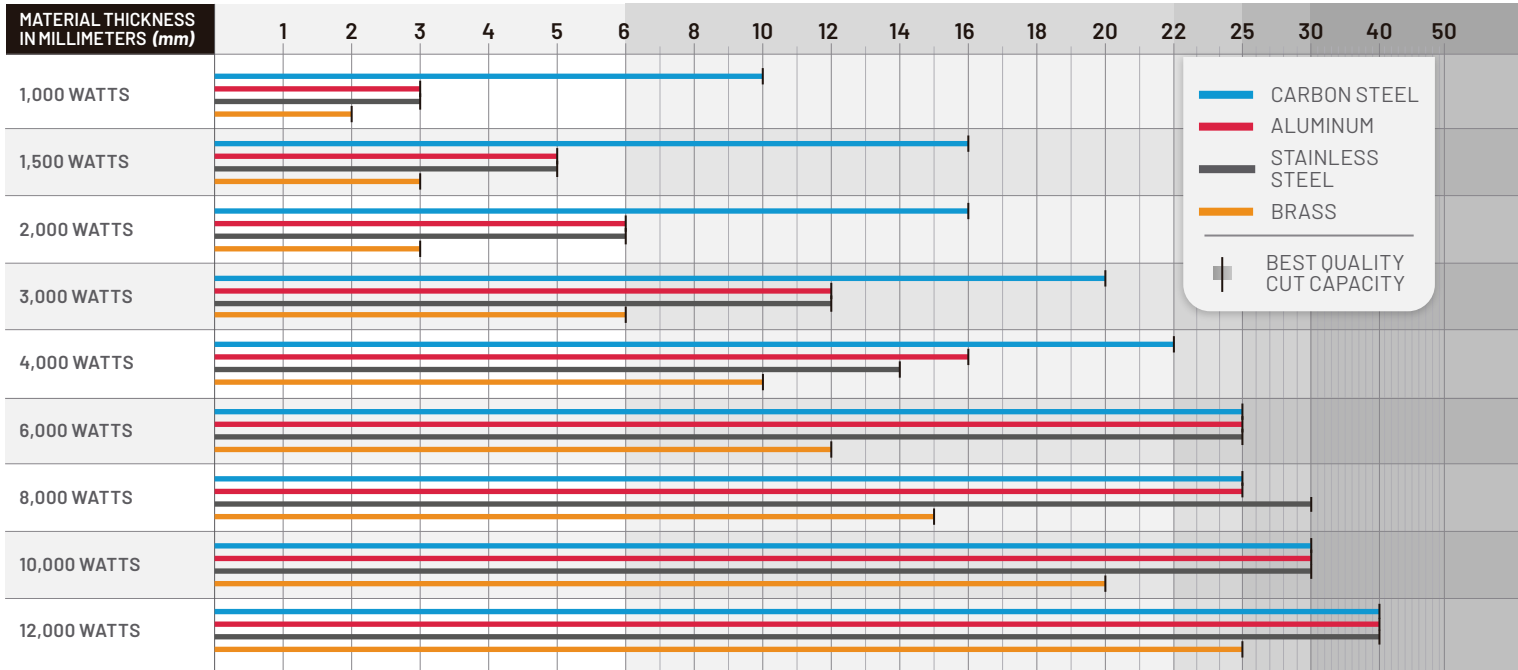
APPLICABLE MATERIALS

Carbon Steel, Stainless Steel, Aluminum Alloy, Brass, Copper, Galvanized Steel, Silicon Steel Plate, Electrolytic Plate, Titanium Alloy.

APPLICABLE INDUSTRY

Architectural fabrications, Automobile, Machinery, Electrical manufacturing, Elevator manufacturing, Household appliances, Kitchen and sanitary ware, Advertising, and other machinery manufacturing and processing industries.





MACH SPEED

INTELLIGENT FIBER LASER CUTTING MACHINE *with Full Enclosure and Hydraulic Exchanging Shuttle Table*

▶ 6,000W to
15,000W



▶ Click on the image, to see more detailed information about this system on our website.

FEATURES

- CutLeader Nesting Program
- IPG Laser Resonator
- Fully Enclosed Protection Housing

- Die-cast Aviation Aluminum Gantry



Observation Monitor



Beckhoff CNC controlling system



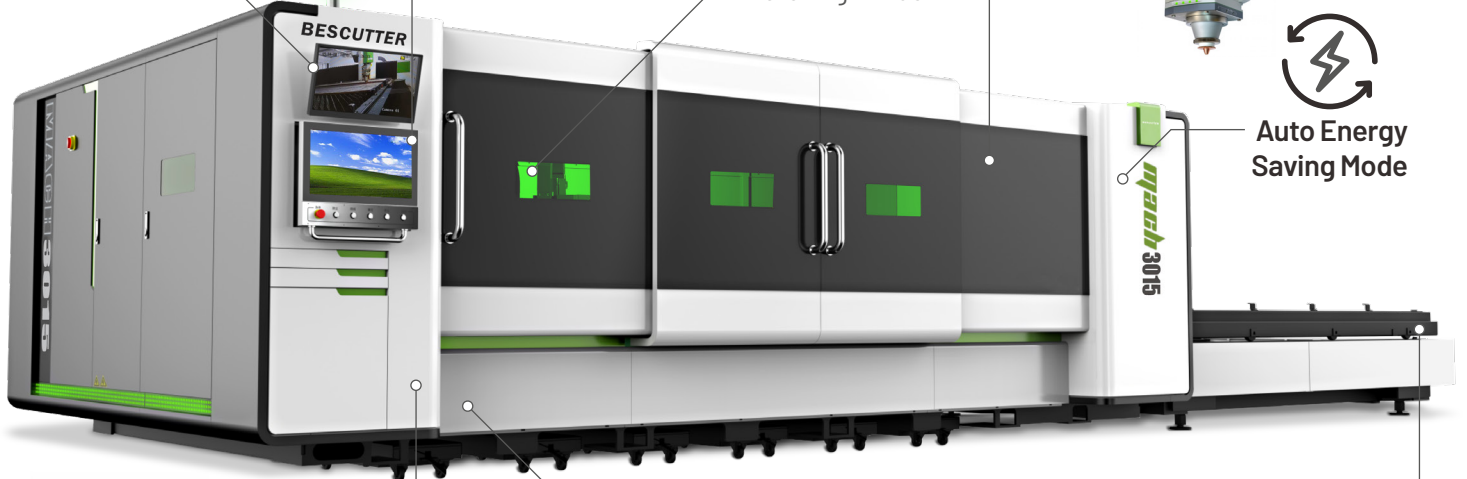
Radiation Free Watching Window



Precitec Laser Head



Auto Energy Saving Mode



High Pressure Servo-Control Valve

High torque direct driving system



Auto Exchanging Table with hydraulic lifting system

MACH SPEED INTELLIGENT FIBER LASER CUTTER	
Standard working area	10' x 5' (3,050 mm x 1,550 mm)
Optional working area	13' x 6.5' (4,000 x 2,000 mm) / 20' x 6.5' (6100 x 2000 mm) 26' x 6.5' (8000 x 2000mm)
Optional Laser Wattage	6000W / 8000W / 10,000W / 12,000W / 15,000W
X, Y, Z axis distance	61" (3,050 mm) / 120" (1,550 mm) / 3.93" (100 mm)
X, Y Two-axis coordinated positioning speed (MAX)	240 m/min
Positioning acceleration (MAX)	2.4 G
Positioning accuracy	±0.05 mm/m
Re-positioning accuracy	±0.02 mm
Maximum load weight	1962 lbs. (890 kg)
Laser resonator	IPG (German Brand)
Laser head	PRECITEC (German Brand)
Controlling System	Beckhoff (German Brand)
X-Y-Z Servo Motors	X(2×9,700) - Y(1×6,880W) - Z(1×940W)
Machine Weight	28,200 lbs. (12,800 kg)
Dimensions	350" x 118" x 87" (8,900 x 3,000 x 2,200 mm)

UPGRADE (ASK FOR PRICE)

- Dust Collector
- Eagle Eye Unit
- Air Compressor



Click on the image, or scan the QR code to see more detailed information about this system on our website.

WIND SPEED

INTELLIGENT FIBER LASER CUTTING MACHINE *with Full Enclosure and Hydraulic Exchanging Shuttle Table*

▶ 6,000W to
15,000W



▶ Click on the image, to see more detailed information about this system on our website.

FEATURES

- CutLeader Nesting Program
- IPG Laser Resonator
- Fully Enclosed Protection Housing

- Die-cast Aviation Aluminum Gantry



Observation Monitor



Beckhoff CNC controlling system



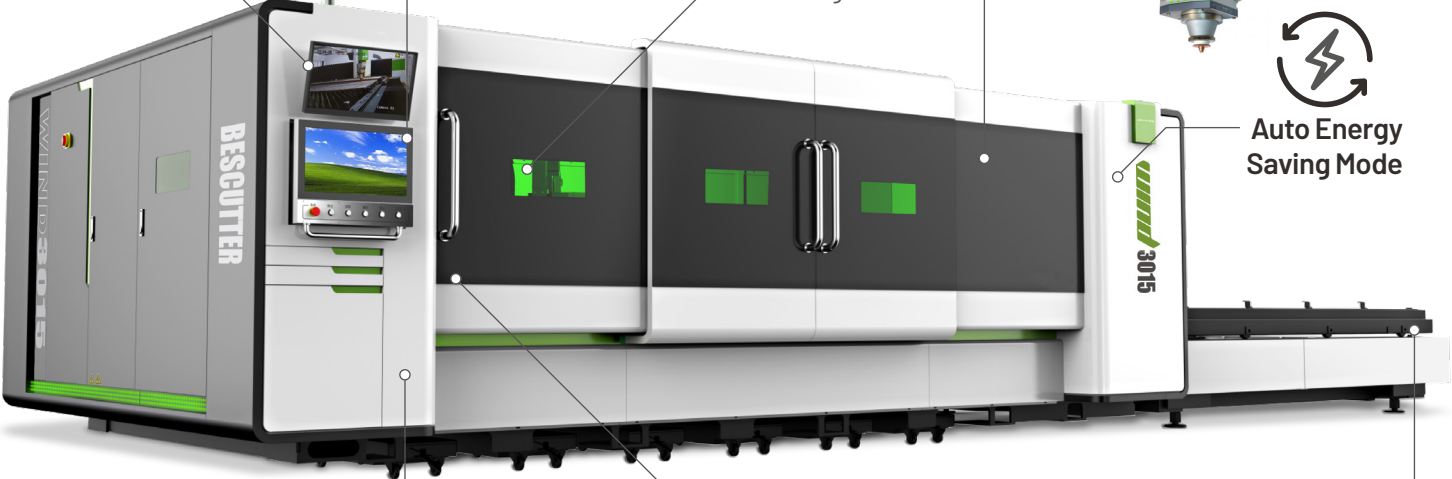
Radiation Free Watching Window



Precitec Laser Head



Auto Energy Saving Mode



High Pressure Servo-Control Valve

Beckhoff driving system



Auto Exchanging Table with hydraulic lifting system

WIND SPEED INTELLIGENT FIBER LASER CUTTER	
Standard working area	10' x 5' (3,050 mm x 1,550 mm)
Optional working area	13' x 6.5' (4,000 x 2,000 mm) / 20' x 6.5' (6100 x 2000 mm) 26' x 6.5' (8000 x 2000mm)
Optional Laser Wattage	6000W / 8000W / 10,000W / 12,000W / 15,000W
X, Y, Z axis distance	61" (3,050 mm) / 120" (1,550 mm) / 3.93" (100 mm)
X, Y Two-axis coordinated positioning speed (MAX)	200 m/min
Positioning acceleration (MAX)	2.0 G
Positioning accuracy	±0.05 mm/m
Re-positioning accuracy	±0.02 mm
Maximum load weight	1962 lbs. (890 kg)
Laser resonator	IPG (German Brand)
Laser head	PRECITEC (German Brand)
Controlling System	Beckhoff (German Brand)
X-Y-Z Servo Motors	X(2×4,780) - Y(1×3,500W) - Z (1×940W)
Machine Weight	28,200 lbs. (12,800 kg)
Dimensions	350" x 118" x 87" (8,900 x 3,000 x 2,200 mm)

UPGRADE (ASK FOR PRICE)

- Dust Collector
- Eagle Eye Unit
- Air Compressor




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FIBER LASER METAL SHEET CUTTER *Full Enclosure with Parallel Shuttle Table*

 **1,500W to
6,000W**



 Click on the image, to see more detailed information about this system on our website.

FEATURES

- **CypNest** Nesting Program
- **IPG** Laser Resonator (Wattage 1.5KW - 6KW)
- **Fully Enclosed** Protection Housing

• **Die-cast**
Aviation Aluminum Gantry



Raytools
(1.5KW - 4KW)



Precitec
(6KW)



**Observation
Monitor**

CypCut
controlling system



Radiation Free
Watching Window



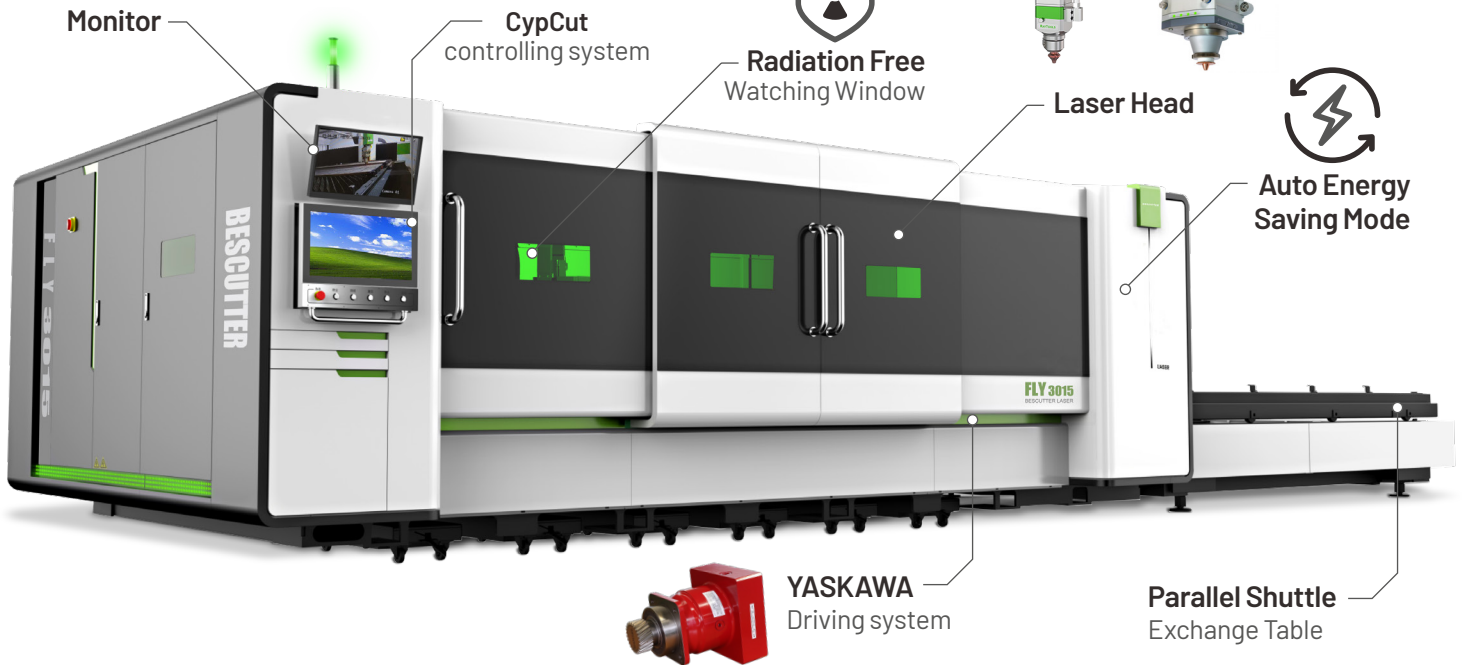
Laser Head


**Auto Energy
Saving Mode**

YASKAWA
Driving system



Parallel Shuttle
Exchange Table



FLY SPEED TECHNICAL PARAMETERS

Standard working area	10' x 5' (3,050 mm x 1,550 mm)
Optional working area	13' x 6.5' (4,000 x 2,000 mm) / 20' x 6.5' (6100 x 2000 mm) 26' x 6.5' (8000 x 2000mm)
Optional Laser Wattage	1500W / 2000W / 3000W / 4000W / 6000W
X, Y, Z axis distance	61" (3,050 mm) / 120" (1,550 mm) / 3.93" (100 mm)
X, Y Two-axis coordinated positioning speed (MAX)	140 m/min
Positioning acceleration (MAX)	1.5G
Positioning accuracy	±0.05 mm/m
Re-positioning accuracy	±0.02 mm
Maximum load weight	1,543 lbs
Laser resonator	IPG (German Brand)
Laser head	Raytools (Precitec optional)
Controlling System	CypCut (Beckhoff optional)
X-Y-Z Servo Motors	X (2×2,900) - Y (1×850W) - Z (1×750W)
Machine Weight	20,945 lbs. (9,500 kg)
Dimensions	350" x 118" x 83" (8,900 x 3,000 x 2,100 mm)



UPGRADE (ASK FOR PRICE)

- Dust Collector
- Air Compressor

Click on the image, or scan the QR code to see more detailed information about this system on our website.




FIBER LASER

METAL SHEET AND PIPE CUTTER

Full Enclosure with
Parallel Shuttle Table

 **1,500W to
6,000W**

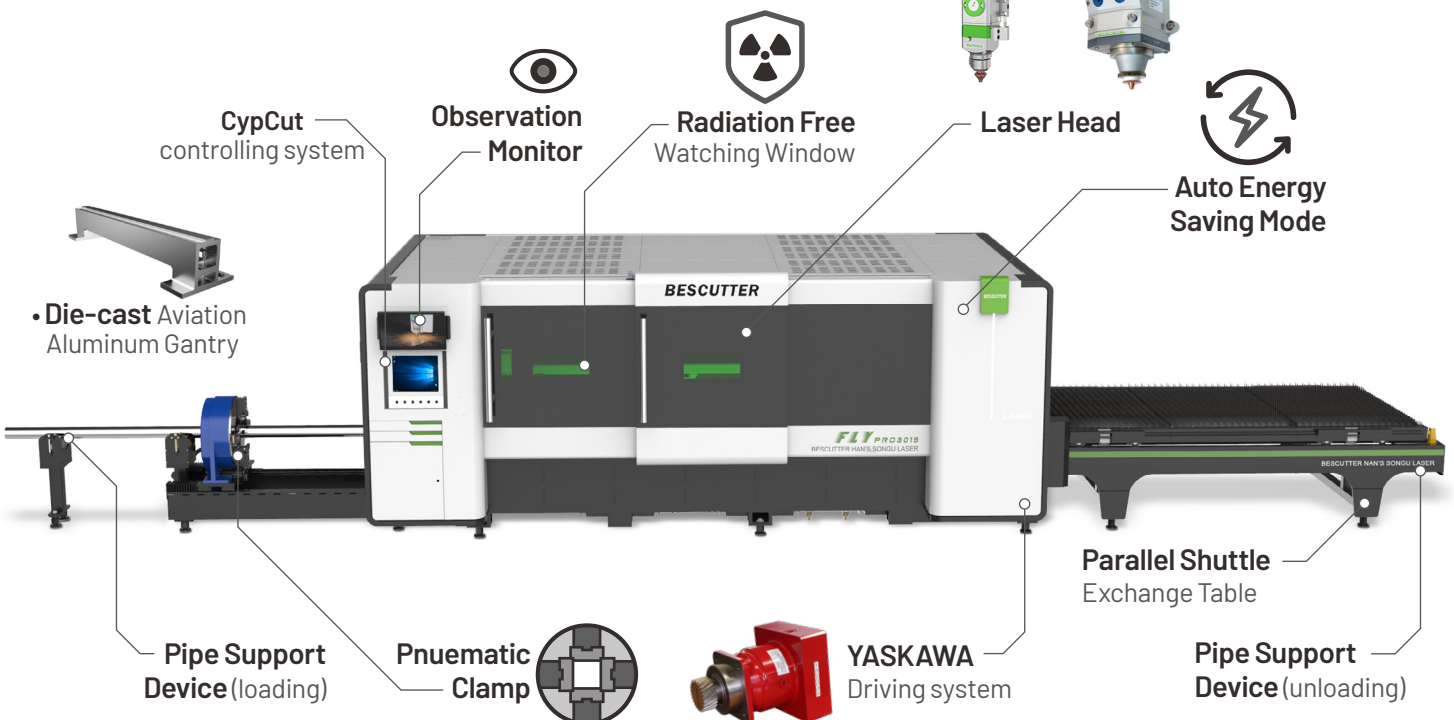


 Click on the image, to see more detailed information about this system on our website.

FEATURES

- **CypNest** Nesting Program
- **IPG** Laser Resonator (Wattage 1.5KW- 6KW)
- **Fully Enclosed** Protection Housing

Raytools (1.5KW - 4KW) **Precitec** (6KW)



FLY PRO INTELLIGENT FIBER LASER CUTTER	
Standard Working Area	10' x 5' (3,050 mm x 1,550 mm)
Optional Working Area	13' x 6.5' (4,000 x 2,000 mm) / 20' x 6.5' (6100 x 2000 mm) 26' x 6.5' (8000 x 2000mm)
Optional Laser Wattage	1500W / 2000W / 3000W / 4000W / 6000W
X- Axis distance	120" (3,050 mm)
Y- Axis distance	61" (1,550 mm)
Tube X1- Axis distance	59" (1,500 mm)
Tube A, B Axis distance	Infinite rotation
Tube Diameter	Standard: 0.78"-8.66" (20-220 mm) Optional: 0.78" - 12.6" (20-320 mm)
Z-axis distance	11.8" (300 mm)
X, Y Two-Axis coordinated positioning speed (Max)	140 m/min
Positioning Acceleration (Max)	1.5 G
Positioning Accuracy	±0.05 mm/m
Re-positioning Accuracy	±0.02 mm
Maximum Sheet Load Weight	1543 lbs. (700 kg)
Maximum Pipe Load Weight	Auto-loading: 220 lbs. (100 kg) Manual-loading: 440 lbs. (200 kg)
Laser Resonator	IPG (German Brand)
Laser Head	Raytools: 1.5 -4 KW Precitec: 6 KW
Controlling System	CypCut
X-Y-Z Servo Motors	X(2x2,900) - Y(1x850W) - Z(1x750W)
Machine Body Weight	Approx. 15,432 lbs. (7,000 kg)
Pipe Rotation Weight	Approx. 2,204 lbs. (1,000 kg)
Exchanging Shuttle Tables & Auxiliary Weight	Approx. 5,511 lbs. (2,500 kg)
Dimensions	No Pipe Cutting: 350" x 118" x 80" (8,900 x 3,000 x 2,050 mm) With Pipe Cutting: 429" x 142" x 80" (10,900 x 3,600 x 2,050 mm)

UPGRADE (ASK FOR PRICE)

- Dust Collector
- Air Compressor



Click on the image, or scan the QR code to see more detailed information about this system on our website.

FIBER LASER TUBE CUTTING MACHINE *With Automatic Tube Loading*

▶ 1,000W to
4,000W



▶ Click on the image, to see more detailed information about this system on our website.

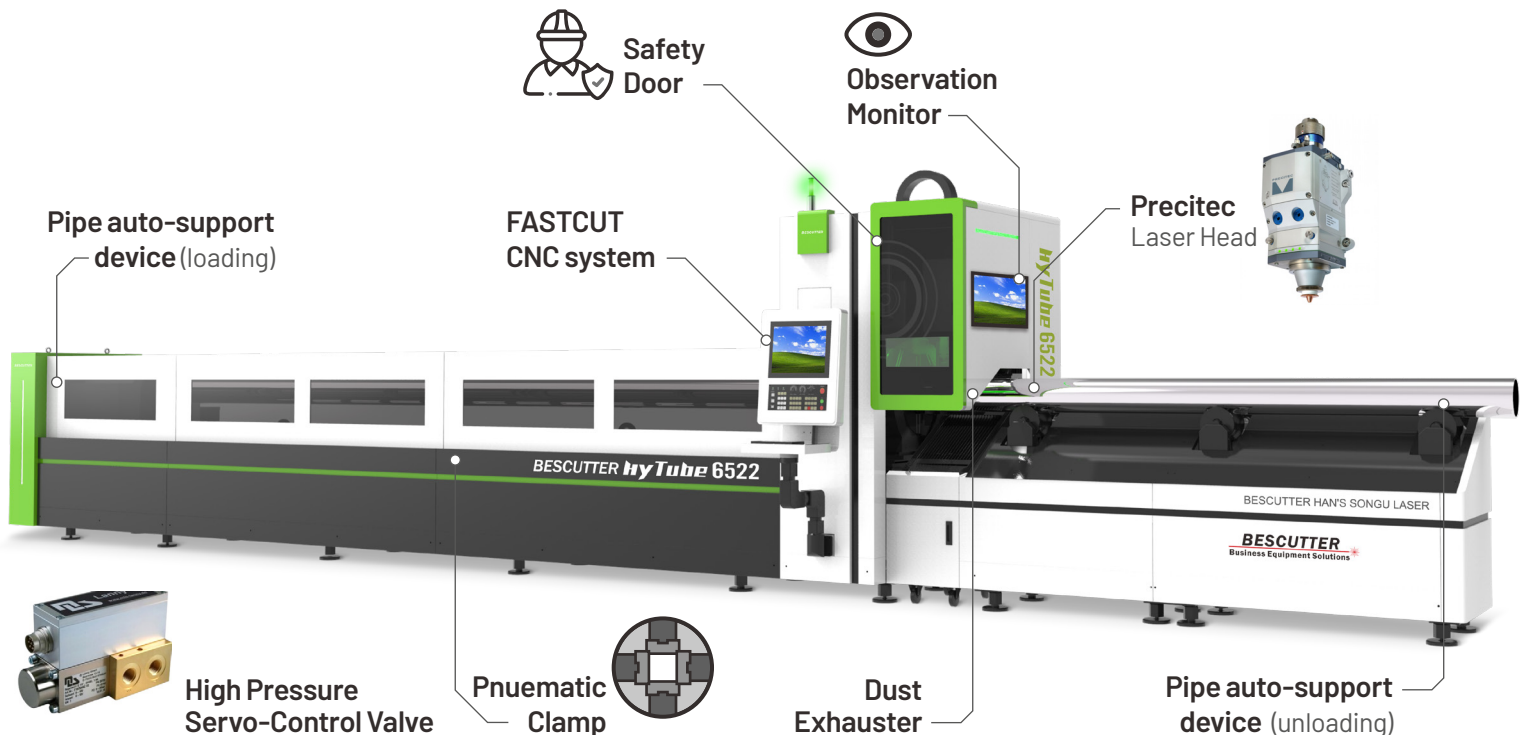
FEATURES

- Can process variety of tube shapes:



Round, Square, Triangle, Retangular, Oval and Waist Round.

- Tube type auto-recognition system:
Different types tubes can be mixed loading together.
- IPG Laser Resonator



HYTUBE INTELLIGENT FIBER LASER CUTTER	
Tube range (length)	244" (6,200 mm)
Tube diameter	Standard: 0.78" - 8.66" (20 mm - 220 mm) Optional: 0.78" - 12.60" (20 mm - 320 mm)
X, Y, Z axis distance	246" (6,250 mm) / 7.87" (200 mm) / 6.30" (160 mm)
A, B-axis	Infinite Rotation
X, Y-axis positioning accuracy	±0.03 mm/1000 mm
X, Y-axis re-positioning accuracy	±0.05 mm
A, B-axis positioning accuracy	±30"
A, B-axis re-positioning accuracy	±10"
X, Y-axis max positioning speed	100 m/min
Re-positioning accuracy	100 rpm
Maximum load weight	1,543 lbs
Laser resonator	IPG 2KW (German Brand)
Optional Laser Wattage	IPG 1000W / 1500W / 3000W / 4000W
Laser head	PRECITEC (Precitec optional)
Machine Weight	16,534 lbs. (7,500 kg)
Dimensions	472" x 169" x 110" (12,000 x 4,300 x 2,800 mm)

Click on the image, or scan the QR code to see more detailed information about this system on our website.



UPGRADE (ASK FOR PRICE)

- Dust Collector
- Air Compressor




AUTOMATIC LOADER

FIBER LASER METAL CUTTING MACHINE

HYROBOT



 **1,500W to
4,000W**

 **Click on the image**, to see more detailed information about this system on our website.

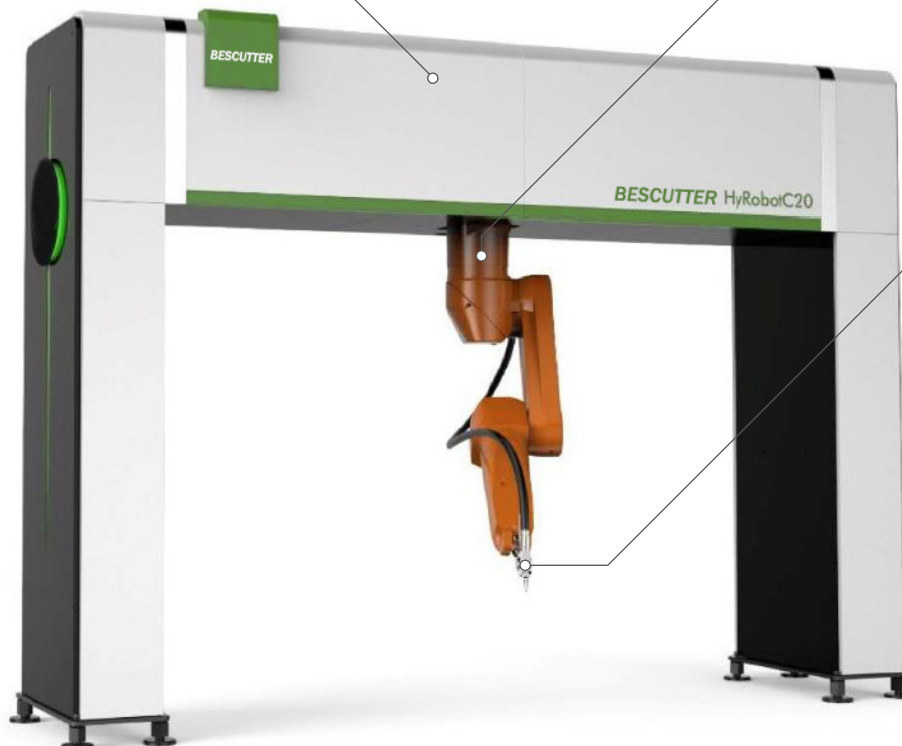
FEATURES

- IPG Laser Resonator (Wattage 1.5KW - 4KW)

Gantry Structure
flying optical path design

Industrial robot

3D laser head



HYROBOT INTELLIGENT FIBER LASER CUTTER	
Industrial robot brand	Staubli
Robot model	RX160L
Working area	59" x 78.74" (1,500 x 2,000 mm)
Max. load	61.5 lbs (28 kg)
Rated load	30.5 lbs (14 kg)
Re-positioning accuracy	±0.05 mm
Wingspan	2,010 mm
Axis-1	±160°
Axis-2	+147.5° / -130°
Axis-3	±145°
Axis-4	±270°
Axis-5	+140°/-115°
Axis-6	±360°
Laser Resonator	IPG 1.5KW (German Brand)
Laser head	US LaserMech 3D laser head
Machine Weight	555 lbs (252 kg)



UPGRADE (ASK FOR PRICE)

- Safety Protection Housing



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FAST SERIES

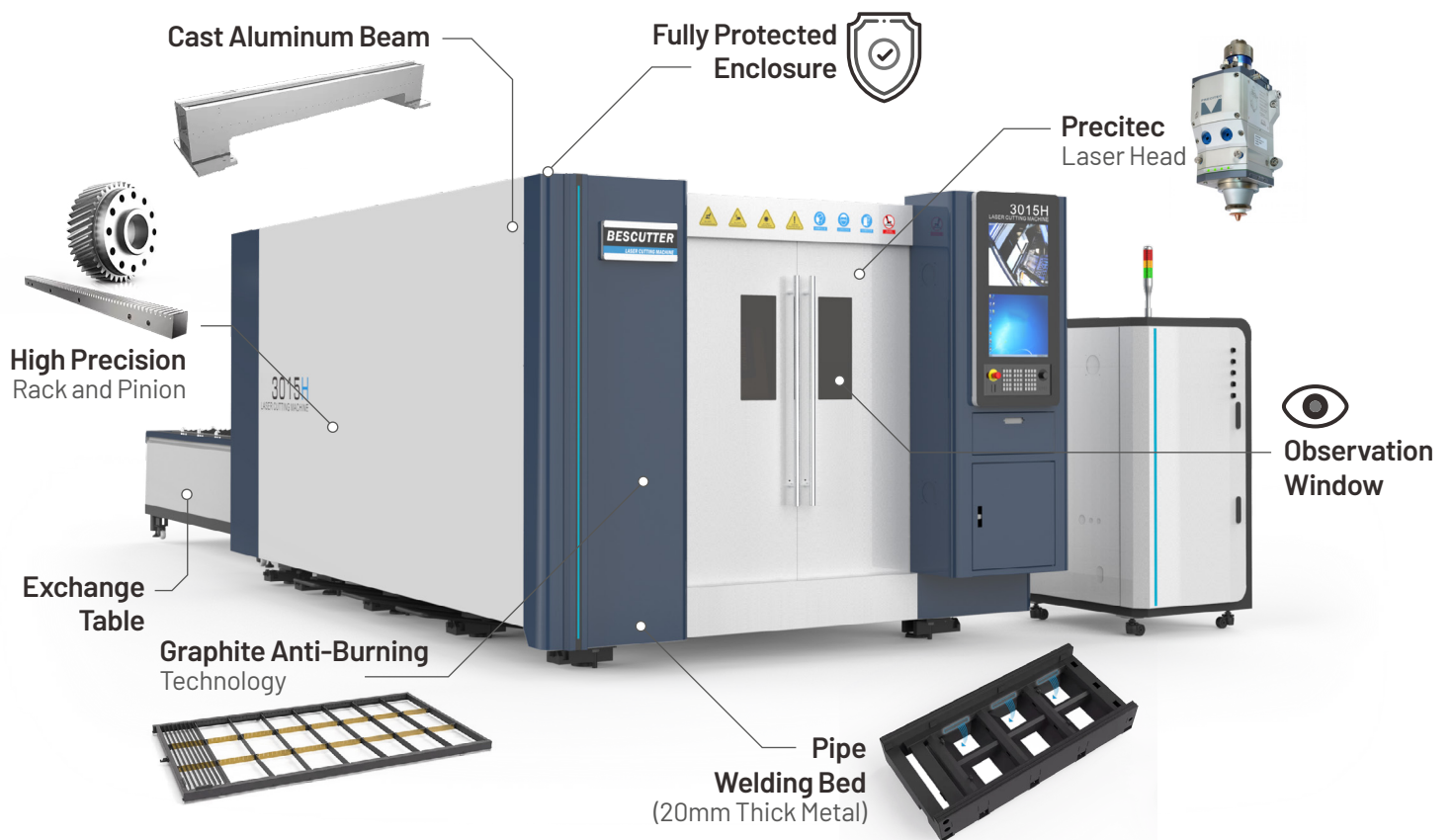
FIBER LASER METAL SHEET CUTTING MACHINE *with Full Enclosure and Exchange Table*

**6,000W to
12,000W**



Click on the image, to see more detailed information about this system on our website.

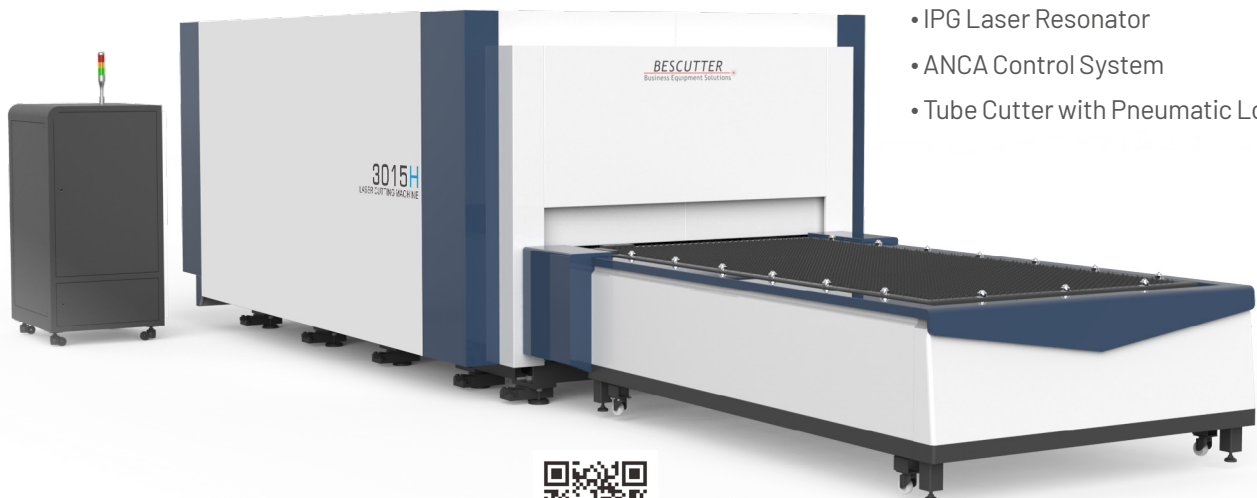
FEATURES



FAST SERIES FIBER LASER CUTTER	
Standard Working Size	5' W x 10' L (60" x 120")
Optional Working Size	6.5' x 13' (78" x 157") / 6.5' x 20' (78" x 236")
X - Axis Travel	60" (1,525 mm)
Y - Axis Travel	120" (3,050 mm)
Z - Axis Travel	8.6" (218 mm)
Laser Power	6,000 / 8,000 / 10,000 / 12,000W
X/Y Axis Positioning Accuracy	±0.05 mm/m
X/Y Axis Repeated Positioning Accuracy	±0.02 mm
Steel Welding Bed	20 mm metal welded bed, high temperature, annealing, stronger, no deformation.
Maximum Velocity of Movement	6,654" / min (169m / min)
Machine Weight	26,000 lbs (11,793 kg)
Dimensions	335" L x 112" W x 98" H (8,509 x 2,845 x 2,489 mm)
Laser Resonator	RayCus / IPG Optional
Laser Head	Precitec (Automatic Focusing)
Controlling System	Hypcut P8000 / ANCA
Electromechanical	SCHNEIDER, Delta, SMC and etc
X-Y-Z Servo Motors	Y 2 x 4,500W - X 1 x 4,200W - Z 1 x 942W

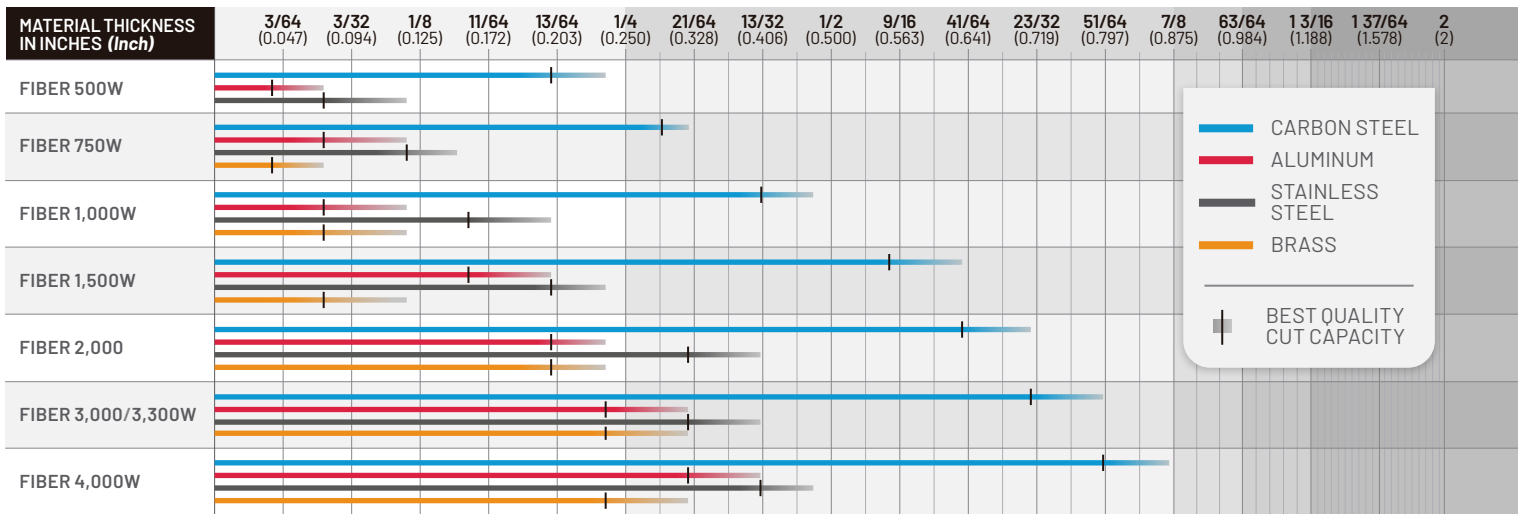
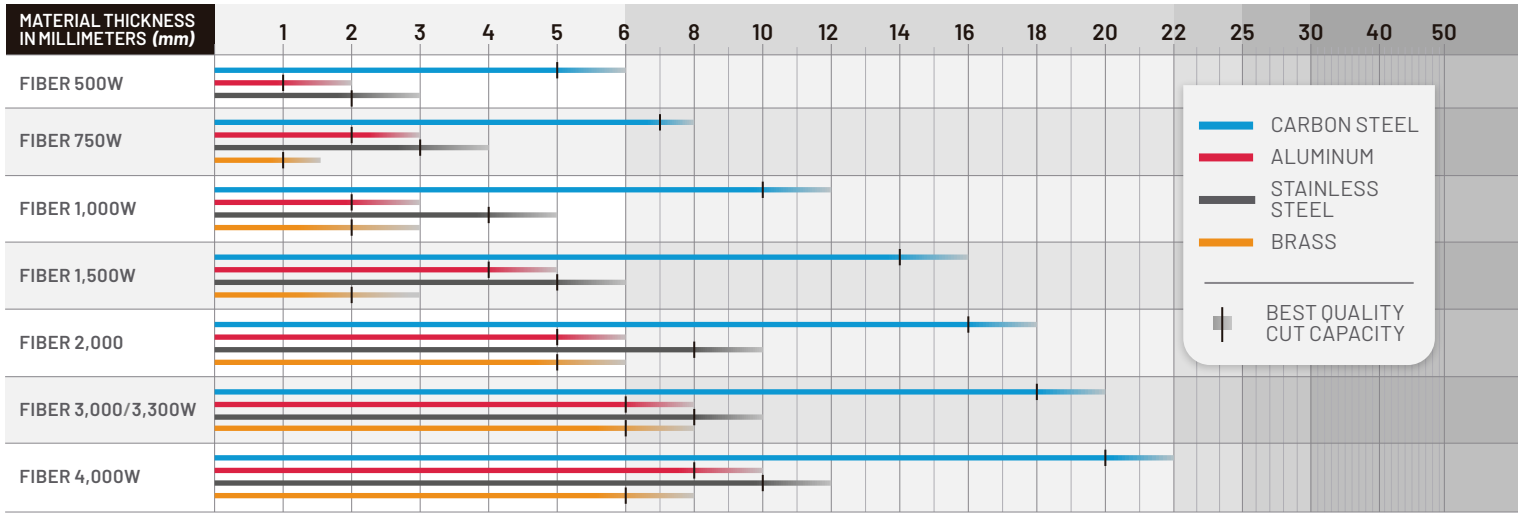
UPGRADE (ASK FOR PRICE)

- CypNest True Shape Nesting Program
- IPG Laser Resonator
- ANCA Control System
- Tube Cutter with Pneumatic Loading



Click on the image, or scan the QR code to see more detailed information about this system on our website.





Note: Maximum cutting capacity will not guarantee the best cutting quality. Please test materials well for your applications.

TITAN SERIES

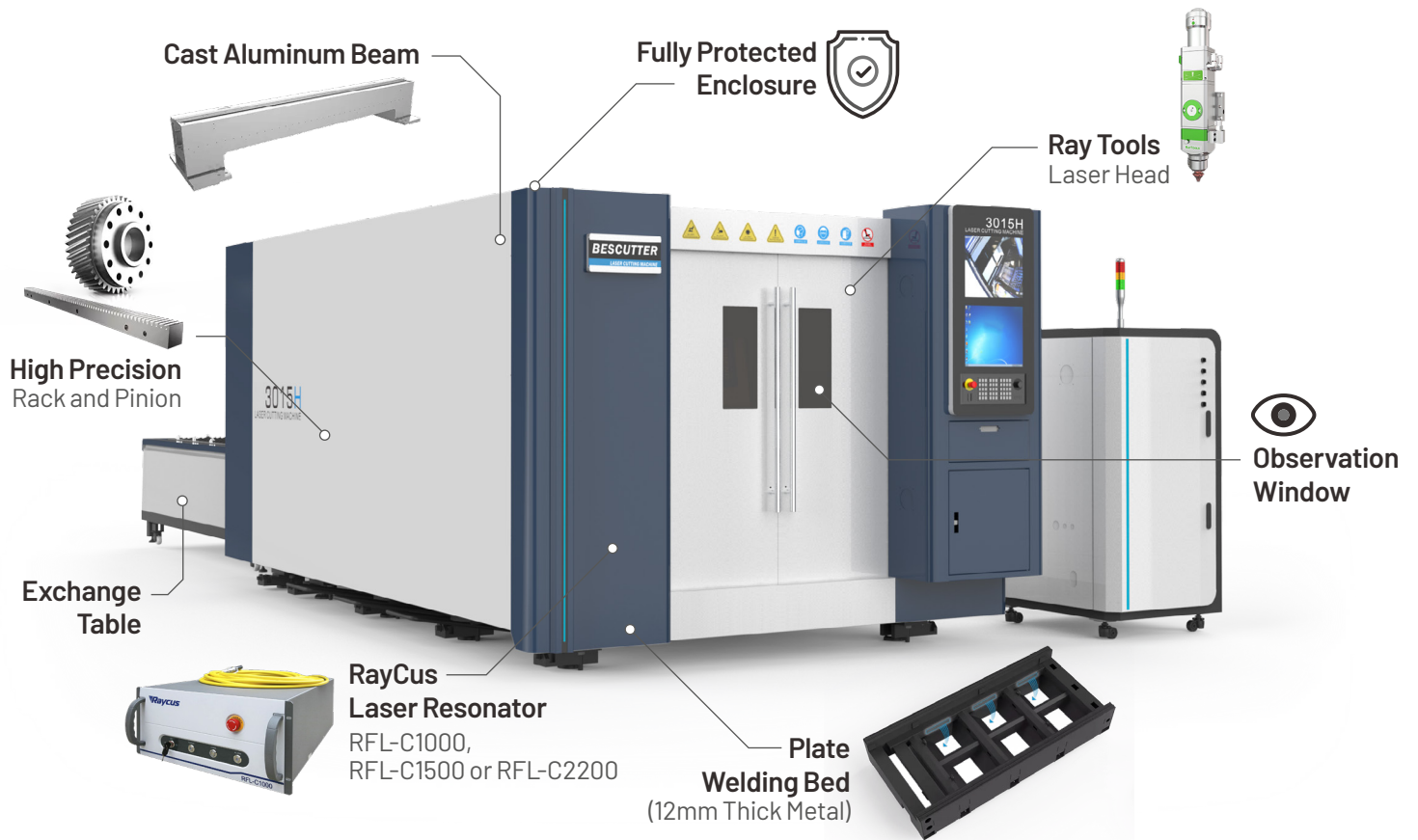
FIBER LASER METAL SHEET CUTTING MACHINE *with Full Enclosure and Exchange Table*

▶ **1,500W to
4,000W**



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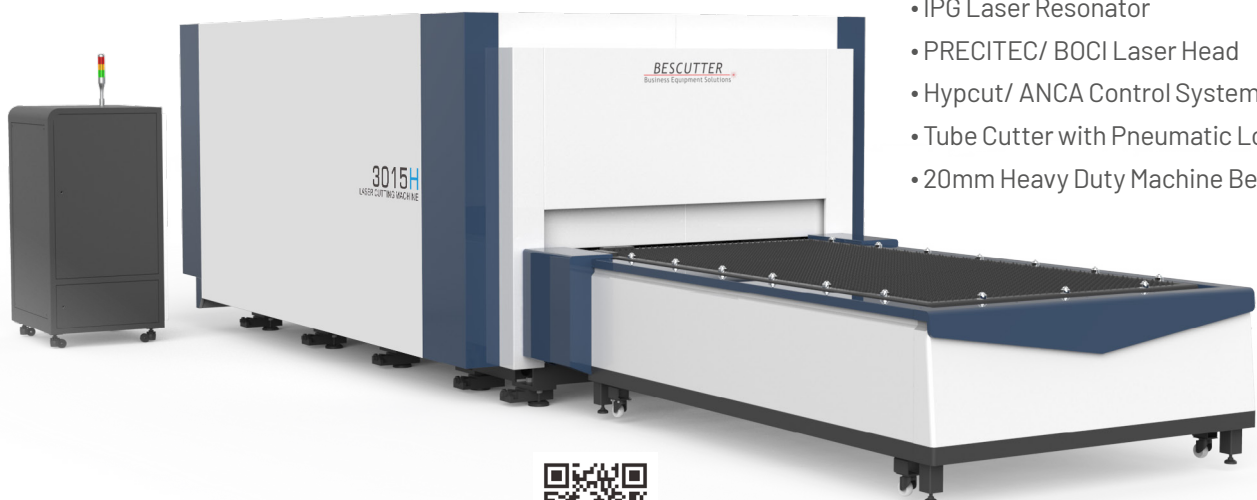
FEATURES



TITAN SERIES FIBER LASER CUTTER	
Standard Working Size	5' W x 10' L (60" x 120")
Optional Working Size	5' x 13' (60" x 157") / 6.5' x 13' (78" x 157") / 6.5' x 20' (78" x 236")
X - Axis Travel	60" (1,525 mm)
Y - Axis Travel	120" (3,050 mm)
Z - Axis Travel	8.6" (218 mm)
Laser Power	1,500 / 2,000 / 3,300 / 4,000W
X/Y Axis Positioning Accuracy	±0.05 mm/m
X/Y Axis Repeated Positioning Accuracy	±0.02 mm
Steel Welding Bed	12 mm metal welded bed, high temperature, annealing, stronger, no deformation
Maximum Velocity of Movement	5,118" / min (130 m / min)
Machine Weight	20,000 lbs (9,000 kg)
Dimensions	335" L x 112" W x 98" H (8,509 x 2,845 x 2,489 mm)
Laser Resonator	RayCus / IPG (Optional)
Laser Head	RayTools / Precitec / BOCI (Optional)
Controlling System	CypCut / HypCut / ANCA (Optional)
Electromechanical	SCHNEIDER, Delta, SMC and etc
X-Y-Z Servo Motors	Y 2 x 1,500W - X 1 x 1,000W - Z 1 x 400W

UPGRADE (ASK FOR PRICE)

- CypNest True Shape Nesting Program
- IPG Laser Resonator
- PRECITEC/ BOCI Laser Head
- Hypcut/ ANCA Control System
- Tube Cutter with Pneumatic Loading
- 20mm Heavy Duty Machine Bed

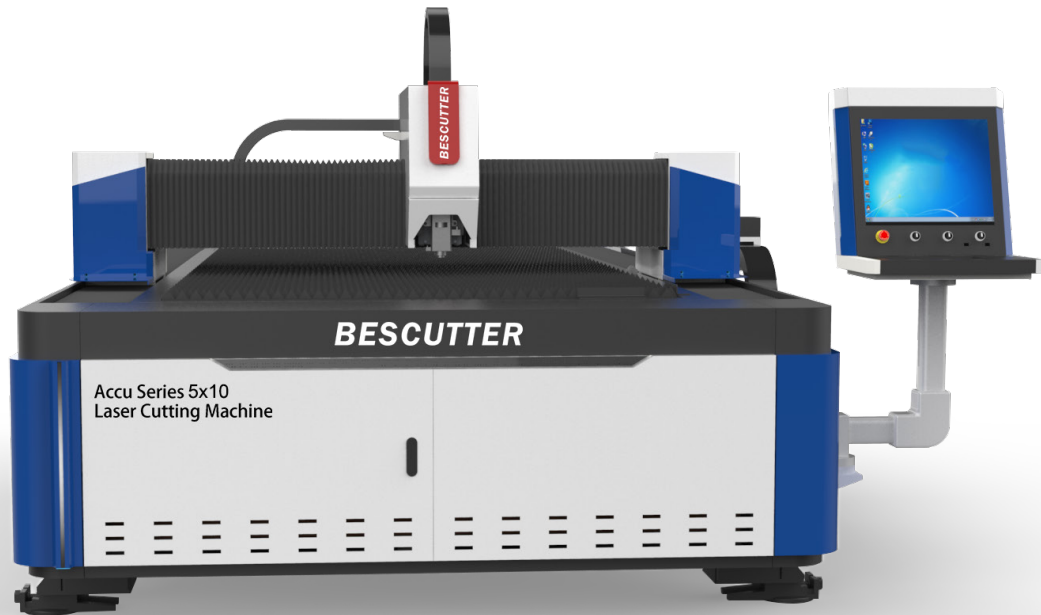


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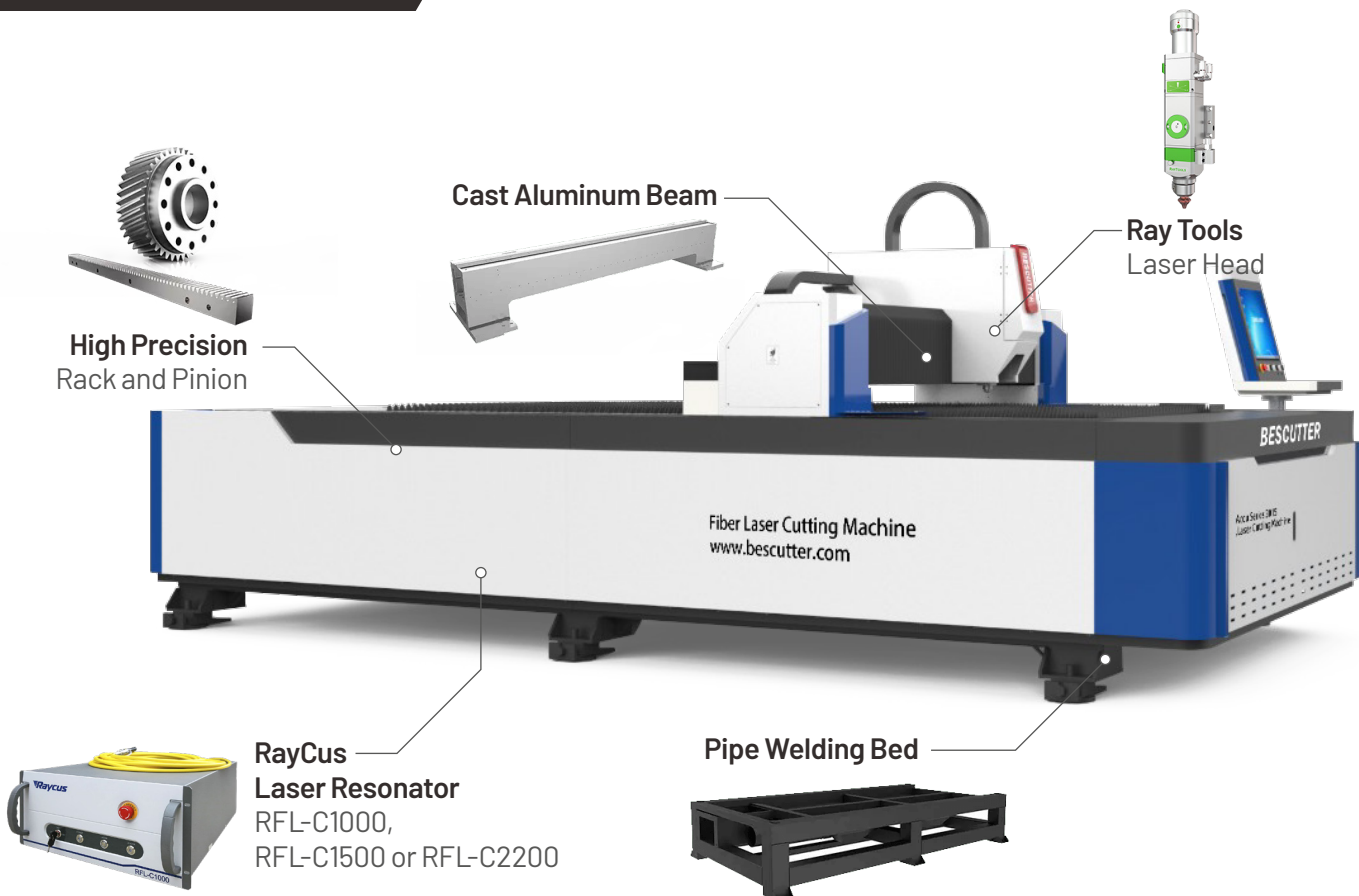
FIBER LASER METAL SHEET CUTTING MACHINE

▶ 750W to
2,000W



▶ Click on the image, to see more detailed information about this system on our website.

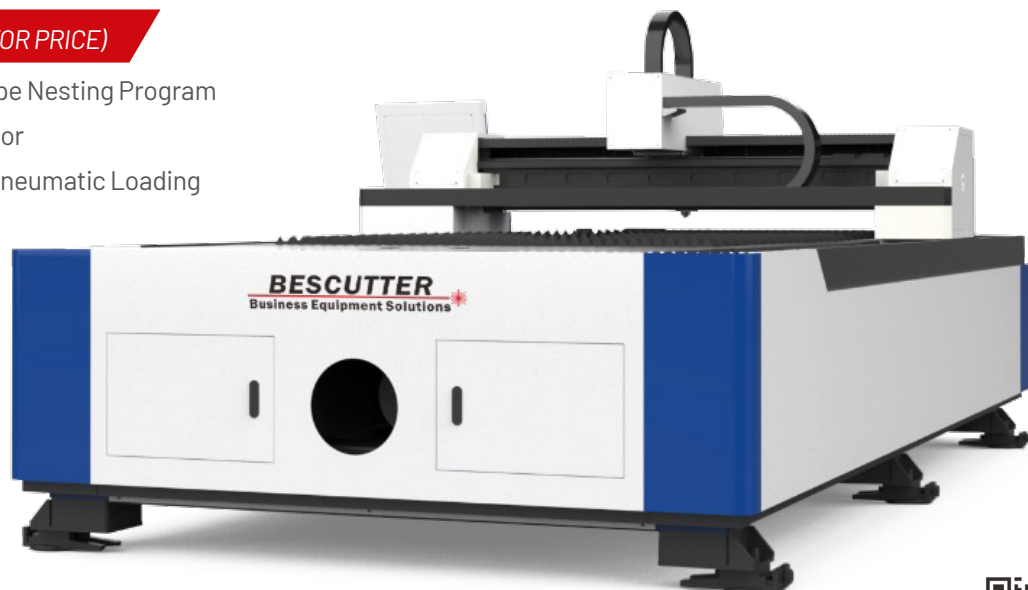
FEATURES



ACCU NEW SERIES FIBER LASER CUTTER	
Standard Working Size	5' x 10' (1,500 mm x 3,000 mm)
Optional Working Size	5' x 13' (1,500 mm x 3,950 mm) / 5' x 20' (1,500 mm x 6,000 mm)
X - Axis Travel	59" (1,500 mm)
Y - Axis Travel	118" (3,000 mm)
Z - Axis Travel	4.7" (120 mm)
Laser Power	750 / 1,000 / 1,500 / 2,000W
X/Y Axis Positioning Accuracy	±0.05 mm/m
X/Y Axis Repeated Positioning Accuracy	±0.03 mm
Maximum Velocity of Movement	3,200" / min (81m / min)
Machine Weight	5,500 lbs (2,450 kg)
Dimensions	182" L x 116" W x 71" H (4,626 x 2,950 x 1,800 mm)
Laser Resonator	RayCus
Laser Head	RayTools
Controlling System	CypCut
Electromechanical	SCHNEIDER, Delta, SMC and etc
X-Y-Z Servo Motors	Y 2 x 850W - X 1 x 750W - Z 1 x 400W

UPGRADE (ASK FOR PRICE)

- CypNest True Shape Nesting Program
- IPG Laser Resonator
- Tube Cutter with Pneumatic Loading



Click on the image, or scan the QR code to see more detailed information about this system on our website.



CUBE SERIES

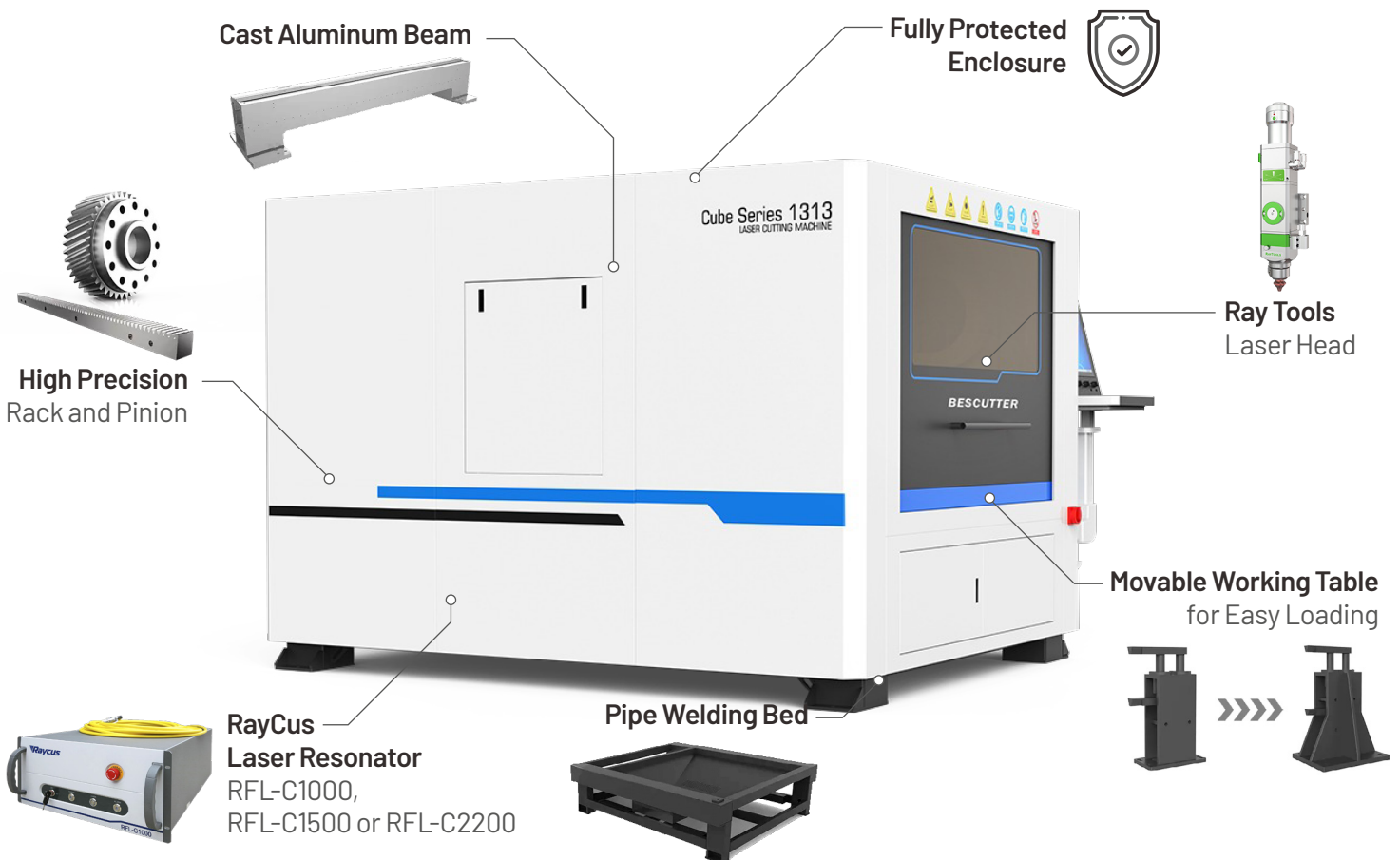
COMPACT FIBER LASER METAL SHEET CUTTING MACHINE *with Full Enclosure*

 **750W to
3,300W**

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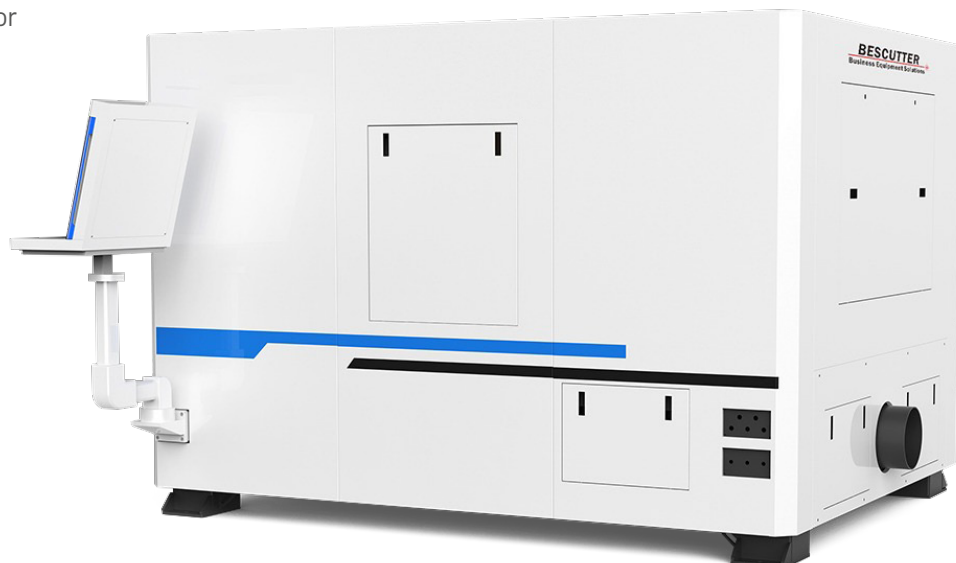
FEATURES



CUBE SERIES FIBER LASER CUTTER	
Working Size	51" W x 51" L (1,300 mm x 1,300 mm)
X - Axis Travel	51" (1,300 mm)
Y - Axis Travel	51" (1,300 mm)
Z - Axis Travel	4.7" (120 mm)
Laser Power	750 / 1,000 / 1,500 / 2,000 / 3,300W
X/Y Axis Positioning Accuracy	±0.05 mm/m
X/Y Axis Repeated Positioning Accuracy	±0.02 mm
Maximum Velocity of Movement	3,200" / min (81m / min)
Machine Weight	5,200 lbs (2,360 kg)
Dimensions	85" L x 108" W x 76" H (2,150 x 2,750 x 1,930 mm)
Laser Resonator	RayCus / IPG (Optional)
Laser Head	RayTools
Controlling System	CypCut
Electromechanical	SCHNEIDER, Delta, SMC and etc
X-Y-Z Servo Motors	Y 2 x 850W - X 1 x 750W - Z 1 x 400W

UPGRADE (ASK FOR PRICE)

- CypNest True Shape Nesting Program
- IPG Laser Resonator



Click on the image, or scan the QR code to see more detailed information about this system on our website.



WHY CHOOSE BESCUTTER FIBER LASER?



EFFICIENT

**RELIABLE
BRAND**

**USER
FRIENDLY**

ERGONOMIC

— ON TOP OF THAT, WE ALSO HAVE —

STRONG CUSTOMER BASE

We have established good customer base and demo sites in America. Contact Bescutter for a local Demo.

COMPETITIVE PRICING

BESCUTTER factory builds thousands of machines per year globally. Large-scale production makes our machine price very competitive.

QUALITY ASSURANCE

Our engineers make good quality control during parts making, machine assembling and shipping. We constantly upgrade the machine to meet all your demands.

FAST SHIPPING

We stock equipment and accessories in FL and CA warehouse. That enable us to ship laser cutters and parts to customer at a timely manner.

KNOW MORE ABOUT OUR PRODUCTS

CO₂ LASER Cutters & Engravers

BESCUTTER provides a variety of CO₂ laser cutters, such as Versa, Hivision, Workforce, Fabric Cutting (*pro/expert/master*), Mighty and Hipower series to fit different types of applications.

CO₂ laser is a very suitable and cost effective method for cutting and engraving some organic materials like: plywood, wood, acrylics, fabric, paper and etc.

Our CO₂ laser can be equipped with camera, multiple heads, auto feeder and asynchronous double beam.



GALVO LASER Markers

Galvo laser is designed for fine detailed, fast speed and high precision marking. With a long lifespan, easy operation and low maintenance, Galvo laser is highly efficient and very reliable. Due to the different applications, we have CO₂ Galvo Laser, Fiber Galvo Laser and UV Galvo Laser to choose from. Our Galvo laser can be equipped with Raycus/JPT/IPG laser resonators, 3D laser head scanner and fully enclosed cabinet to meet your needs.



HOW TO FIND US

Distribution and Support:

United States:

- Lehigh Acres, FL
- Boise, ID

Colombia:

- Cali, Valle del Cauca

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