

# LF3015MB COIL FIBER

High Production Decoiling fiber laser

Power : 1kW, 1.5kW, 2kW, 3kW

Bed Size: 3000x1500mm

Laser source : MAX, Raycus or IPG

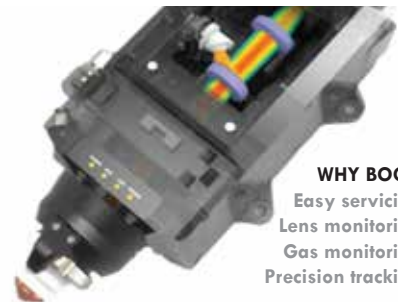


Alternative sizes: 4000x1500/2000/2500, 6000x1500/2000/2500

“The LF3015MB is our industrial coil cutting machine, the perfect machine for companies producing repetitive products in thin sheet stock. Experience fast production, little to no loading time and cheaper material cost when buying your steel in coil form. With the lowest competitive input cost, this machine will pay for itself in not time. Paired with a compressor for air cutting, you have now bottomed out your input costs!

## FEATURES:

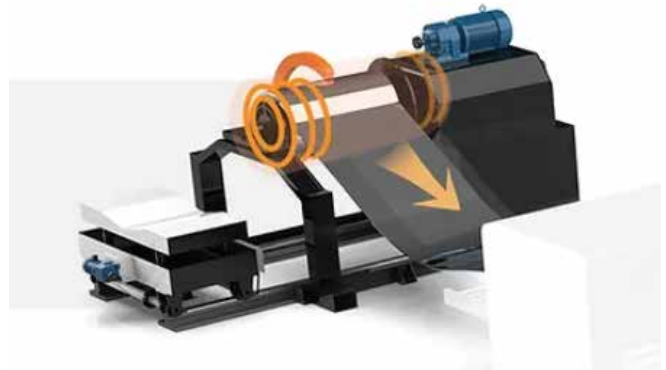
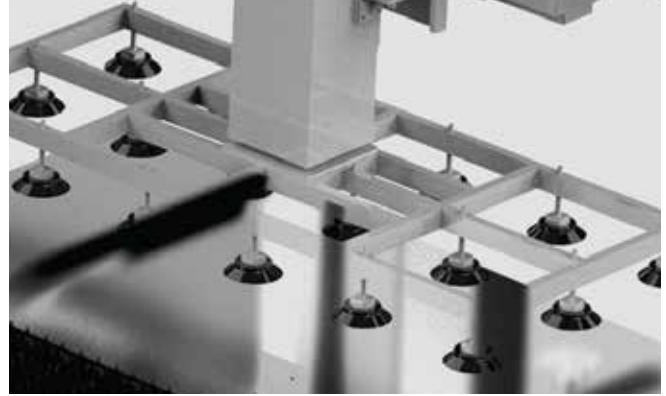
- Fully enclosed main table with CE certified fiber laser safety glass windows
- Coil support including de-coiler/levelling feeder
- Leveling feeder leveling the material, adjustment accuracy of correction amount:  $\pm 0.01$ mm
- Coil width from 1000-1300mm
- Automated conveyor table design
- Robotic arm or Gantry style unloader options
- Separate Electronic tower, dust-proof and air conditioned
- 4\*Camera monitoring system for internal and loading table monitoring at the front of the machine
- BOCI or Raytools precision automatic focussing laser head
- Ipad style interface
- Yaskawa motor drive
- YYC Rack and gear system
- Moto Reducer gear reducer
- Automatic material tracking (follows the material surface allowing
- Cutting of materials with sight bending or warping
- Cypcut 2000S software, easy to use compatible with most files
- Easy to use laser control system with screen and wireless controller
- O<sub>2</sub> and N<sub>2</sub> electronic gas regulators – allowing for gas pressure to be controlled via the software program.



**WHY BOCI?**  
Easy servicing  
Lens monitoring  
Gas monitoring  
Precision tracking



FROM \$185,000+GST



“System includes a Coil unloader, high tolerance de-coiling unit, with optional gantry or robot style offloading system available. The gantry is recommended for skeleton offloading (where parts are attached with micro-joints) and robot arm programmable for part collection. ”

Technical Parameters	Specification
Laser Power	1kW, 1.5kW, 2kW, 3kW
Bed size	3000 x 1500mm
Coil width	1000-1300mm
Machine Size	23500 x 5500 x 2650(H)mm
Approximate working area	25 x 6.5 x 2.7m
Side door access	3000mm
Laser source type	MAX, Raycus or IPG
Laser Head Type	Automatic focussing laser head 1-2kW = Raytools BM111 3kW = BOCI BLT421
Cooling Type	Industrial Water Cooling – S&A water chiller
Moving Speed	120m/min
Acceleration	1.5G
Laser Output Control	0-100% set by software
Drive method	YYC Rack and pinion system, Moto Reducer gear reducer, with Yaskawa motor drive
Positioning Accuracy	0.02 mm
Re-positioning accuracy	0.02mm
Minimum line width	0.1mm
Controlling Software	Cypcut Control System 2000S, including nesting, edge seeking and automatic crash protection
Graphic Format Supported	Graphics files - Ai, DXF, PLT, Gerber, etc. G code – MaterCam, Type3, Wentai etc.
Compatible Software	Illustrator, photoshop, CorelDraw, Autocad, Solidworks, MaterCam, Type3, Wentai etc.
Colour Separation	Yes (imports colours to control cutting layers)
Auxiliary Equipment	Exhaust Fan, Industrial water-cooling unit
Power Supply	Machine: 1kW = 415V 50Hz 20amp 1.5kW = 415V 50Hz 32amp 2kW = 415V 50Hz 50amp 3kW = 415V 50Hz 50amp
Working Environment	Temperature:0-45C, Humidity 5-95%(No Condensate Water)
Gas connection	O2 (mild steel and copper cutting) – 4 pack min Min 99.7% purity – 10m3/h maximum flow rate – 10bar max pressure N2 (Stainless, Aluminium, Brass and thin Mild steel cutting) – 9 pack min, Min 99.9% purity – 40m3/h maximum flow rate – 24bar max pressure