

# LF3015CN FIBER LASER

Production Open Fiber Laser with Airconditioned Electrical Cabinet

Bed Size: 1500x3000mm Bed

Laser source : MAX, Raycus or IPG

Power : 1kW, 1.5kW, 2kW,  
3kW, 4kW, 6kW

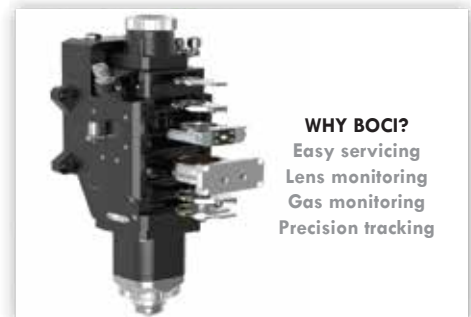


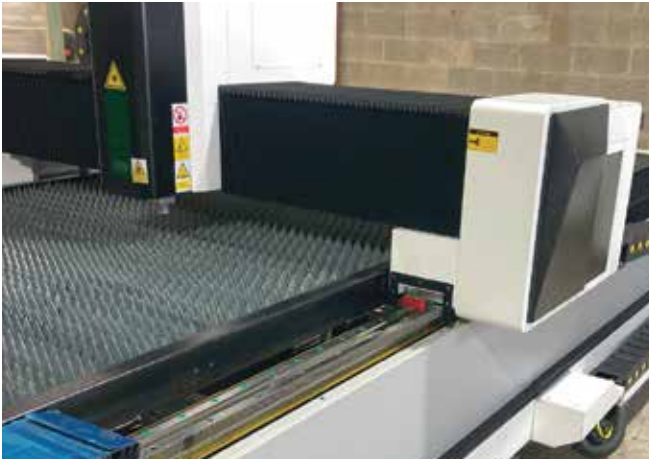
FROM \$81,800+GST

“The LF3015CN is our production 3000x1500mm bed sized machine. With precision high-speed and high acceleration Yaskawa motors, this machine is capable of 1.5G acceleration, providing high speed, accurate and consistent cutting. Get the perfect finished product off the machine every time, no matter the thickness or type of metal. With air-conditioned electrical cabinet, this machine is perfect for heavy production in all Australian climates.”

## FEATURES:

- 3000x1500mm open bed Class 4 laser with option to add Class 1 full enclosure
- Separate air-conditioned electrical cabinet
- Cypcut software - Easy to use and compatible with most files
- Automatic edge seeking/ nesting / fly-cutting etc.
- BCS100 Automatic material tracking - Follows material surface allowing cutting of materials with slight bending or warping
- BOCI or Raytools precision automatic focussing laser head
- Positioning and re-positioning accuracy 0.02mm
- Large Portrait style monitor screen
- Built-in computer, screen and wireless controller
- Aviation 3rd generation aluminium gantry - Lightweight/strong
- Yaskawa motor drive - 1.5G Acceleration
- YYC rack pinion and gear system
- French Moto Reducer gear reducer
- Heavy pallet welded bed - for increased stability and lifetime
- Automatic lubrication system
- Ball bearing rollers for loading on the front
- Drive assembly below the bed on both sides allowing for easy loading and offloading
- Protective cover for drive system
- Industrial S&A water cooling unit
- Under table exhaust system, high pressure exhaust fan incl.
- Electronic regulators for all gas connections O<sub>2</sub>, N<sub>2</sub> and compressed air, allowing for fully software-controlled pressure





“Compact built in electrical cabinet with fan cooling, which can be moved to suit your factory set-up. Heavy Duty Hiwin guide rails and YYC rack sitting below the bed for easy loading.”

Technical Parameters	Specification
Laser Power	1kW / 1.5kW / 2kW / 3kW / 4kW / 6kW
Bed size	3000 x 1500mm (also available in 4000x1500mm, 4000x2000mm, 6000x2000mm)
Machine Size	4600*2450*1700mm
Laser source type	MAX, Raycus or IPG
Laser Head Type	Automatic focussing laser head 1-2kW = Raytools BM111 3kW = BOCI BLT421 4-6kW = BOCI BLT441
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 2000E, including nesting, edge seeking and automatic crash protection
Graphic Format Supported	Graphics files - Ai, DXF, PLT, Gerber, 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 4kW = 415V 50Hz 60amp 6kW = 415V 50Hz 63amp
Gas Regulation	Software controlled electronic low- pressure O2 regulator (for fine adjustment at low pressure) And high pressure N2 and Compressed air electronic regulator (high pressure cutting)
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 <b>Compressed air (Stainless, Aluminium, Brass and thin Mild steel cutting)</b> <b>SEE OUR 18DHY-18Bar or 20DHY-20Bar COMPRESSOR OPTIONS</b>
Working Environment	Temperature:0-45C, Humidity 5-95% (No Condensate Water)