

FROM \$74,700+GST

LF3015LN FIBER LASER

Open Fiber Laser with Air-conditioned Electrical Cabinet

Bed Size: 1500x3000mm Bed

Laser source : MAX, Raycus or IPG

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

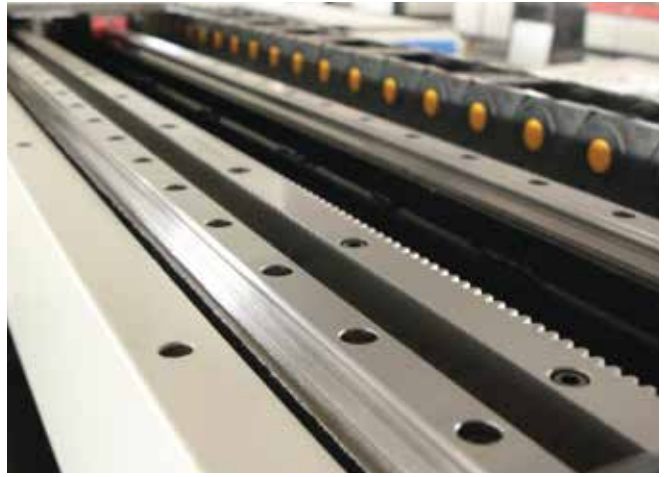


“The LF3015LN is commercial 3000x1500mm bed sized machine. With precision Yaskawa motors, this machine is capable of 1.0G acceleration, providing accurate and consistency cutting, perfect for small-medium fabricators and commercial metal manufacturers. This machine is the new workhorse for your small-medium business.”

FEATURES:

- 3000x1500mm open bed Class 4 laser with option to add Class 1 full enclosure
- 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 - 1.0G 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 O₂, N₂ and compressed air, allowing for fully software-controlled pressure





“Precision rack and pinion drive system and low-profile drive system allowing for easy loading from any side. Internal electrical cabinet featuring yaskawa motor drivers, and the automatic focusing Raytool laser head.

| Technical Parameters | Specification |
|--------------------------|---|
| Laser Power | 1kW / 1.5kW / 2kW / 3kW |
| 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 |
| Cooling Type | Industrial Water Cooling – S&A water chiller |
| Moving Speed | 80m/min |
| Acceleration | 1.0G |
| 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 = 380V 50Hz 20amp (415V filter supplied) 1.5kW = 380V 50Hz 32amp (415V filter supplied) 2kW = 380V 50Hz 40amp (415V filter supplied) 3kW = 380V 50Hz 50amp (415V filter supplied) |
| 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 Compressed air (Stainless, Aluminium, Brass and thin Mild steel cutting) SEE OUR 18DHY-18Bar or 20DHY-20Bar COMPRESSOR OPTIONS |
| Working Environment | Temperature:0-45C, Humidity 5-95% (No Condensate Water) |