

LF3015GAR FIBER LASER

Production Enclosed Sheet / Tube Fiber Machine

FROM \$142,900+GST



Bed Size: 1500x3000mm Bed

Tube (L): 3m (standard), 6m, 8m

**Tube (Dia.): 20-240mm (standard)
20-280, 20-360mm chuck**

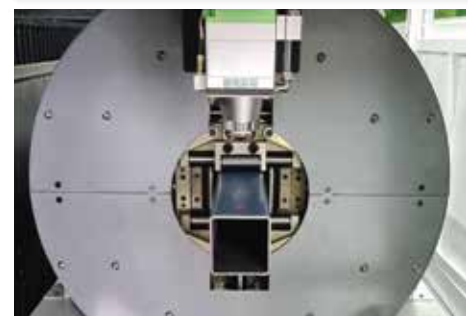
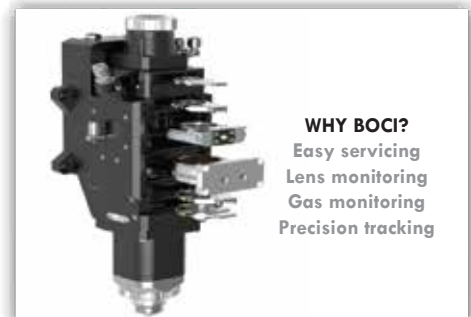
Laser source : MAX, Raycus or IPG

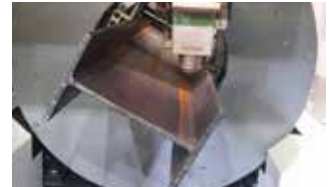
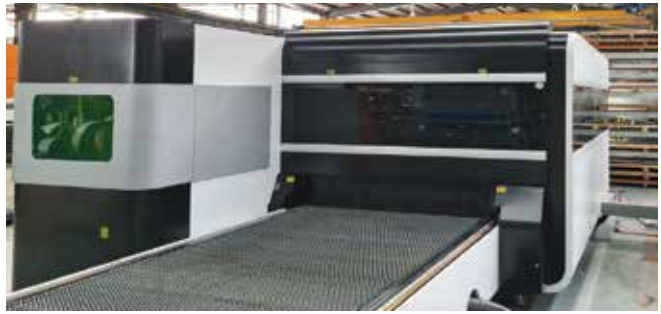
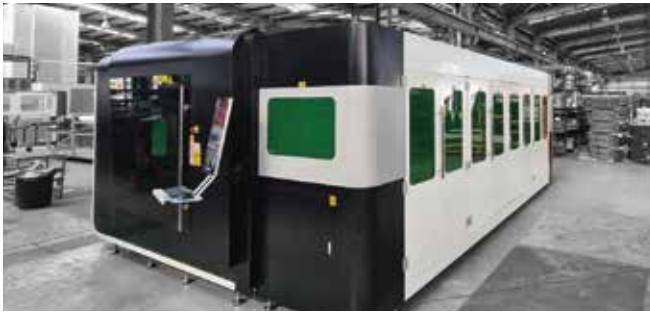
Power : 1kW, 1.5kW, 2kW, 3kW, 4kW, 6kW, 8kW

“The LF3015GAR is our production combination sheet and tube cutting machine with full enclosure. Open up the possibilities for all of your future fabrication projects. Cut round/Square/RHS standard closed profile tube with the basic TubesT Lite software, or upgrade to the TubesT Pro to cutting open profiles (C-channel/H-beam/Angle) as well as custom profiles shapes, draw detailed cuts and designs etc. Chuck options from 20-360mm diameter, tube length options up to 8m.”

FEATURES:

- 3000x1500mm sheet cutting bed (alternative sizes available)
- 3m tube length (standard, 6m or 8m available)
- 20-240mm tube (standard), 20-280 or 20-360mm chuck available
- Support rollers for precision cutting - avoiding tube flex
- Separate air-conditioned electrical cabinet
- Cypcut software for sheet cutting, TubesT Lite for tube cutting (standard) TubesT Pro upgrade recommended
- 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 bed allowing for easy loading
- Electronic regulators for all gas connections O₂, N₂ and compressed air, allowing for fully software-controlled pressure





“Fully enclosed rear loading table for fast sheet exchange. Sliding door access for tube loading from the side (small access door at front.) Cut standard closed tube (round, square, RHS) or upgrade to TubesT Pro for I-beam, C-channel etc. cutting with complex 3D cut and profile design capability.”

Technical Parameters	Specification
Laser Power	1kW, 1.5kW, 2kW, 3kW, 4kW, 6kW, 8kW
Bed size	3000 x 1500mm with loading table (also available in 4000x1500mm, 4000x2000mm)
Tube Length	3m Standard (6m or 8m available)
Clamp Diameter	20-240mm standard (20-280mm Chuck or 20-360mm chuck upgrade available)
Tube weight capacity	240mm chuck = 300kg, 280mm chuck = 400kg, 350mm chuck = 300kg
Machine Size	8120*3867*2310mm
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 8kW+ = BOCI BLT642H
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	0.03 mm
Re-positioning accuracy	0.02mm
Minimum line width	0.1mm
Controlling Software	Cypcut Control System 2000E – sheet cutting, TubesT lite (standard) or TubesT Pro upgrade - tube
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 8kW = 415V 50Hz 80amp
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)