

# LF6025GT FIBER LASER

Production Enclosed Fiber Laser with Rear Loading Table

Power : 1kW, 1.5kW, 2kW, 3kW, 4kW, 6kW, 8kW, 12kW

Bed Size: 6000x2500mm

Laser source : MAX, Raycus or IPG

**FROM \$162,500+GST**  
Priced on LF6025GT size

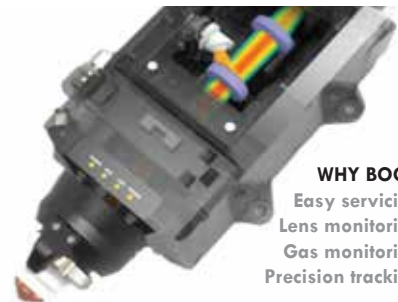


Alternative sizes: 4000x1500/2000/2500, 6000x1500/2000/2500, 8000x2500, 12000x2500mm

“The LF6025GT is our large format production Fiber laser cutting machine, with heavy 12.3T chassis and the same motor set as our popular LF3015GA machine with 1.5G acceleration and 120m/min moving speed. Open up the possibilities with this large format design, cutting more in one run than ever before. Pair this with our automatic loading/unloading device with sheet storage tower and you will save on time, staff cost and regain control of the production schedule.”

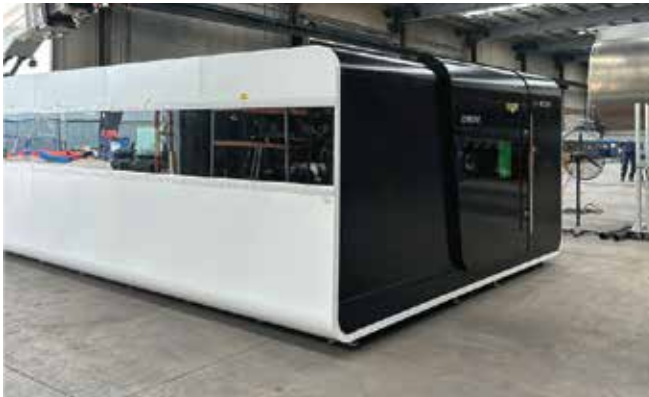
## FEATURES:

- 6000x2500mm fully enclosed machine with loading table
- 1.5G acceleration, and 120mm/s speed
- Positioning and re-positioning accuracy 0.02mm
- Separate air-conditioned electrical cabinet
- Built in internal cameras and monitoring screen
- Cypcut software - Easy to use and compatible with most files
- Automatic edge seeking, Fly cutting, Nesting 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
- Large Portrait style monitor screen
- Built-in computer, screen and wireless controller
- Aviation 3rd generation aluminium gantry - Lightweight/strong
- YYC rack pinion and gear system
- French Moto Reducer gear reducer
- Heavy plate 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
- Head tracking under-table exhaust system- follows the head while cutting for maximum extraction, exhaust fan included.
- Electronic regulators for all gas connections O<sub>2</sub>, N<sub>2</sub> and compressed air, allowing for fully software controlled pressure



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





“Professional delivery installation and training, heavy duty frame for high power quality cutting.”

Technical Parameters	Specification
Laser Power	1kW, 1.5kW, 2kW, 3kW, 4kW, 6kW, 8kW, 12kW
Bed size	6000 x 2500mm with loading table (Additional size options 4000x1500/2000/2500, 6000x1500/2000/2500, 8000x2500, 12000x2500mm)
Machine Size	14100*3350*2520mm
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
Motor power	X axis = 850W, Y axis = 1800W, Z axis =750W
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 8kW = 415V 50Hz 80amp 12kW = 415V 50Hz 100amp
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)