

FROM \$212,500+GST

LF6025GH FIBER LASER

Heavy Manufacturing Fiber Laser with Rear Loading Table

Power : 6kW, 8kW, 12kW, 15kW, 20kW

Bed Size: 6000x2500mm

Laser source : MAX, Raycus or IPG



Alternative sizes: 4000x1500/2000/2500, 6000x1500/2000/2500, 8000x2500, 12000x2500mm
“The LF6025GH is our Heavy Manufacturing Fiber laser cutting machine, with solid plate welded 18T chassis and our largest available motor set, for a huge 2.5G acceleration and 200m/min moving speed. Beat the competition on production time, shorten your customer lead times and cut thicker than you ever have before. Cut up to 25mm Mild Steel with 6kW, 40mm with 12kW or 90mm with 20kW power! See our options page for automatic loading and unloading solutions.”

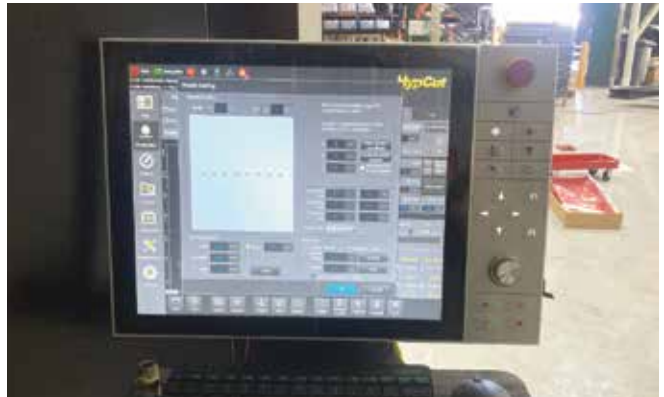
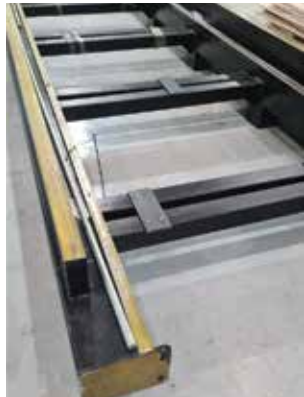
FEATURES:

- 6000x2500mm fully enclosed machine with loading table
- 2.5G Huge acceleration, maximising overall production speed
- Separate air-conditioned electrical cabinet
- Built in internal cameras and monitoring screen
- Hypcut software - Production level software with cloud control, remote access giving remote office control and live reporting
- Automatic edge seeking, Fly cutting, Nesting etc
- BCS100 Automatic material tracking - Follows material surface allowing cutting of materials with slight bending or warping
- BOCI 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 and pinion gear system
- French Moto Reducer gear reducer
- Heavy Solid plate welded chassis - 18T overall machine weight
- 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 O₂, N₂ and compressed air, allowing for fully software-controlled pressure



WHY BOCI?
Easy servicing
Lens monitoring
Gas monitoring
Precision tracking





“Professional delivery with the team of engineers and technicians from Koenig Machinery. with precision installation and in-depth training. Solid plate frame with fire-proof bricks. Hycut software with cloud control system(allows you to track the progress of production team live from the office)”

Technical Parameters	Specification
Laser Power	6kW, 8kW, 12kW, 15kW, 20kW
Bed size	6000 x 2500mm with loading table (Additional size options 4000x1500/2000/2500, 6000x1500/2000/2500, 8000x2500, 12000x2500mm)
Machine Size	14935*4018*2520mm
Laser source type	MAX, Raycus or IPG
Laser Head Type	Automatic focussing laser head 6kW = BOCI BLT441 8kW+ = BOCI BLT642H
Cooling Type	Industrial Water Cooling – S&A water chiller
Moving Speed	200m/min
Acceleration	2.5G
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 = 1800W, Y axis = 4400W, Z axis = 750W
Positioning Accuracy	0.02 mm
Re-positioning accuracy	0.02mm
Minimum line width	0.1mm
Controlling Software	Hycut 8000S, including production nesting, edge seeking, automatic crash protection, cloud control and live reporting
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 15kW = 415V 50Hz 120amp 20kW = 415V 50Hz 150amp
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)