

LF1325L FIBER LASER

FROM \$52,500+GST

Economical Open Fiber Laser

Bed Size: 1300x2500mm Bed

Laser source : Raycus or IPG

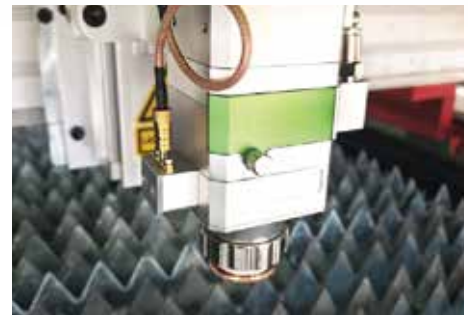
Power : 1kW, 1.5kW, 2kW



"The LF1325L machine is the perfect entry level Fiber Laser machine for your small to medium business. The machine utilises a TBI ground ball screw drive system, for extremely high-precision and high reliability. With easy-to-use Cypcut software, precision BCS100 tracking system robust Raytool laser head, this machine is an affordable and reliable small manufacturing asset."

FEATURES:

- 1300x2500mm 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
- BCS100 Automatic material tracking - Follows material surface allowing cutting of materials with slight bending or warping
- Raytools precision automatic focussing laser head
- Positioning and re-positioning accuracy 0.03mm
- Large Portrait style monitor screen
- Built-in computer, screen, and wireless controller
- Aviation 3rd generation aluminium gantry - Lightweight and strong
- Delta servo motor drive
- TBI ground ball screw drive - Extremely high precision
- HIWIN guide rails
- BCS100 Automatic material tracking - Follows material surface allowing cutting of materials with slight bending or warping
- Ball bearing rollers for loading on the front and right side
- Protective cover for drive system
- Industrial S&A water cooling unit
- Under table exhaust system with high pressure exhaust fan included.
- Electronic regulators for all gas connections O₂, N₂ and compressed air, allowing for fully software-controlled pressure





Technical Parameters	Specification
Laser Power	1kW / 1.5kW / 2kW
Cutting area	1300 x 2500mm
Machine Size	3800*1850*1300mm
Laser source type	MAX, Raycus or IPG
Laser Head Type	Raytools automatic focussing laser head BM111
Cooling Type	Industrial Water Cooling – S&A water chiller
Moving Speed	40m/min
Acceleration	0.5G
Laser Output Control	0-100% set by software
Drive method	Delta servo motor and ball screw drive system
Positioning Accuracy	0.03 mm
Re-positioning accuracy	0.03 mm
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 (for outputting supported formats)	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
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)