

LF1309/LF1313 FIBER LASER

ENCLOSED COMPACT FIBER LASER

Bed Size: 1300x900mm / 1300x1300mm

Fiber Laser source : MAX, Raycus or IPG

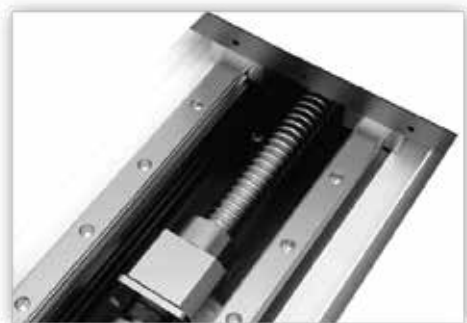
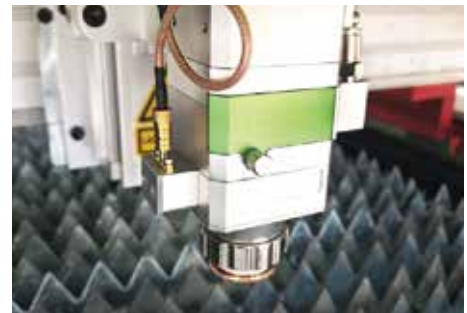
Power : 1kW, 1.5kW, 2kW



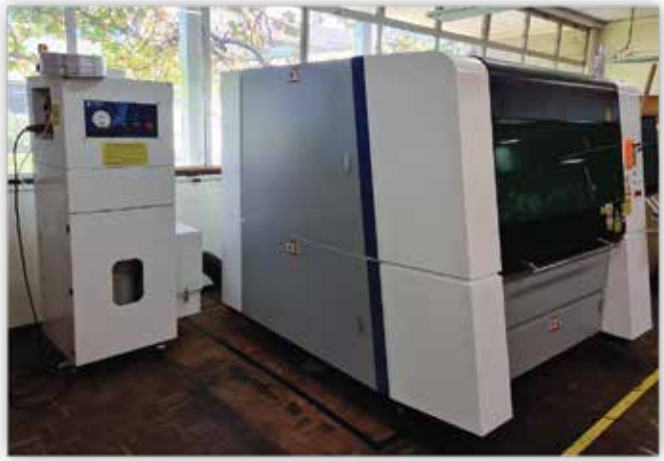
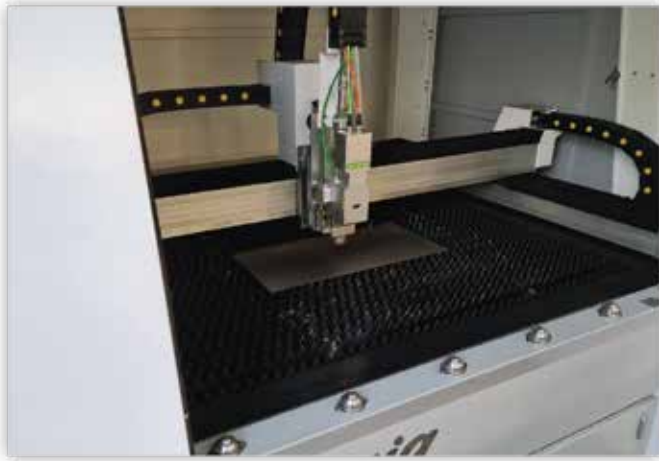
“The LF1390 is a fully enclosed fiber laser machine with a 1300x900mm bed. Perfect for education and business use, it is suitable for cutting thin sheet metals such as carbon, stainless steel, galvanised steel, aluminium, brass, etc. The LF1313 is the bigger brother with 1300x1300mm bed size (half sheet), open up your options and allow for larger signage lettering etc, while still providing a small overall footprint. Designed for precision cutting this machine has a full enclosure with CE certified protection safety glass.”

FEATURES:

- 1300x900mm or 1300x1300mm bed with full enclosure
- Removable access door at the rear for loading full sized sheets (Use the machine to cut down larger stock before processing)
- Large Viewing window with bright internal lighting
- 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
- Dual TBI ground ball screw drive - Extremely high precision and supported on 2 both sides
- HIWIN guide rails
- Ball bearing rollers for loading on the front side
- Protective cover for drive system
- Industrial S&A water cooling unit
- Under table exhaust system, high pressure exhaust fan included
- Electronic regulators for all gas connections O₂, N₂ and compressed air, allowing for fully software-controlled pressure



FROM \$65,500+GST



| Technical Parameters | Specification |
|---|---|
| Laser Power | 1kW / 1.5kW / 2kW |
| Bed size | LF1309 – 1300* 900mm LF1313 – 1300* 1300mm |
| Machine Size | LF1309 – 2110(W)*2160(D)*1630(H)mm LF1313 - 2110(W)*2460(D)*1630(H)mm |
| Laser source type | MAX, Raycus or IPG |
| Laser Head Type | Raytools automatic focussing laser head BM110 |
| 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 | Japanese Panasonic servo motor and ball screw drive system |
| Positioning Accuracy | 0.008 mm |
| Re-positioning accuracy | 0.02 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 40amp |
| 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) |