

PIL0302L-150F High Precision Fiber Laser Cutting Machine



USAGE

The machine is equipped with fiber laser, natural granite base, imported linear motor, high precision cross platform structure. It is used to cutting, drilling and scribing a variety of alloy sheet, sapphire, ceramics and other sheet materials. It is widely applied to the IT industry, automobile, LED, precision machinery and so on.



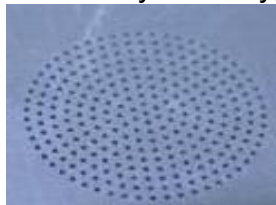
ADVANTAGE

1. Security and reliability: High security and reliability of marble base as well as fully enclosed design.
2. High speed and high precision: Adopts imported linear motor, the imported guide rail, Cross sliding table structure, imported NC system, The machine has good performance with high cutting speed, smooth corner and high stability.
3. Long using Life: The machine is with long life using the imported fiber laser. High efficiency photoelectric conversion.
4. Good cutting effect: With excellent optical path design, produce a perfect focus spot, small thermal effect.
5. Convenient Operation: Convenient data processing with dedicated lase cutting software. File formats include DXF, PLT, etc. Interface is simple and friendly, easy operation.
6. CCD can be optional: Auto-finding mark point, work base on the designed graphics and position.



APPLICATIONS

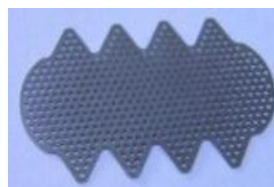
Applied to high-speed precision laser cutting and drilling of sapphire, ceramic and other sheet materials. It is widely used for IT, automobile, LED, precision machinery industry, etc.



Ventilation hole (magnesium aluminum alloy)



Kato (liquid metal)



Mesh (titanium alloy)



Glasses Frame (stainless steel)



Drilling (stainless steel)



Active cell (silicon steel sheet)



Glasses frame



CCL (Stainless steel)



Zirconia ceramics



Zirconia ceramics



Ferrite ceramics



Mobile phone panel (sapphire)



Aluminum nitride ceramic marking



Keypad (stainless steel)

Specification of High Precision Fiber Laser Cutting Machine	
MODEL	PIL0302L-150F
Laser Source	Imported Fiber Laser
Laser Power	150W
Laser repetition frequency	350mm×250mm
Maximum Processing Size	800mm/s
Worktable Maximum Operating Speed	10000 mm/s ²
Positioning Accuracy of Table	±0.003mm
Repetitive Positioning Accuracy of Table	±0.001mm
Total Accuracy	±0.03mm
Minimum Line Width	0.06mm
File Format	*.dxf, *.plt
Electric Power Supply	Three-phase Five-wire System, AC380V 50Hz/5kW
Dimensions(L x W x H)	1280mm×1060mm×1580mm
Weight	980kg
Environmental Temperature	10℃-40℃
Environmental Humidity	10%-85%RH, Non-condensing
Ground Amplitude	≤5μm
Ground Pressure	60×10 ³ Kgf/m ²
Control System	Imported NC System
Optional Function	CCD positioning/Automatic loading and unloading mechanism