



## Description

Automatic fiber laser welding can easily realize butt welding, overlap welding and seam welding at various angles and positions. Especially for thin stainless steel plate, iron plate, aluminum plate and other metal materials, laser welding has the characteristics of fast welding speed, good surface effect, large penetration and small heat affected area. With the help of jigs and automatic programming control, it can realize the rapid and consistent welding requirements of similar products in large quantities.

## Features

1. Suitable for metal materials: stainless steel, carbon steel, titanium alloy, aluminum alloy.
2. Applicable products: all kinds of sheet metal, mold, chassis, water tank, kitchen and bathroom products, all kinds of hardware lighting; High precision electronic products, high welding strength workpieces such as pressure vessels, condensers and other products.
3. The interaction of professional laser control system is enhanced, the precision of welding path is controllable, and the weld seam is well formed.
4. Fast welding speed, no consumables, no discoloration/less discoloration, no need for later polishing (depending on the specific surface requirements).

## Parameter

Model	HL-LD1000W	HL-LD2000W	HL-LD3000W	HL-LD6000W
Type of laser	Continuous fiber laser			
Rated output power	1000W	2000W	3000W	6000W
Laser central wavelength	1080±3 nm			
CNC axis	3 axis + axis of rotation/ swing (Maximum 6 axis)			
Type of welding torch	Single or doublewobble industrial welding head			
Focal distance	F=150mm/F=400mm			
Laser beam point	Point, line, circular, square, figure 8			
Cooling Method	Water Cooling			
Working voltage	AC220V 1-phase		AC380V 3-phase	
Power	<5 kw	<7 kw	<9.5kw	<12kw