



# GEM Laser Welding Machine

200W Fixed laser welding machine



## GEM LASER LIMITED

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## OVERVIEW

Laser has applications in teaching, military and industry. The laser cutting machine is one of its applications. Laser cutting machines are used in both metal and nonmetal cutting. The use of laser beams to melt the surface of materials

Laser cutting machine is one of the most popular laser processing equipments. Laser cutting consists of laser vaporization cutting, laser fusion cutting, laser oxygen cutting, laser scribing and control fracture.

## FEATURES

- 1 .Beam quality is good, spot fine, can accurately locate the solder joints;
- 2 .For the inconvenience of moving the workpiece welding or traditional welding gun can not touch the small welding parts, can be non-contact welding;
- 3 .No solder, weld smooth and beautiful;
- 4 .Speed, welding depth, heat deformation is small
- 5 .In the micro-welding through the spot for precise positioning, can be mass production  
Can be adapted to a variety of complex weld and spot welding of various devices

## SPECIFICATIONS

Model	200W Fixed laser welding machine
Maximum laser output power	200W
Laser wavelength	1064nm
Single pulse maximum energy	80J
Laser welding depth	0.1-2.5mm
Pulse Width	0.1-20ms
Laser welding depth when combing	0.5-40Hz
Spot adjustable range	0.2-2mm
Power consumption of the whole machine	≤6KW
electricity demand	220V±10%/50Hz/40A
Host size	690mmx1170mmx1080mm

Device configuration list (Standard, Option)

Item	Subsystem	Component	Model	Quantity	Mark
1	Laser marking head	High speed scanning galvanometer	Light Φ10mm	1pcs	China
		Galvanometer drive card		1pcs	
		Scanning field mirror	f=160mm	1pcs	China/Import
		Beam expander	10X	1pcs	China/Import
2	Laser	Green Laser	pulse-532-005	1set	China
3	Laser marking machine cabinet	Cabinet		1set	GEM
4	Computer&software	Computer	Desktop	1set	Lenovo
		Software	Software	1set	GEM
6	Workbench	Precision workstation		1set	GEM
7	Seat				

Laser Marked Samples



Applications

Applicable to kitchen utensils, display cabinets, medical equipment, electronic components, auto parts and other hardware, such as welding. Welding material: carbon steel, ordinary alloy steel, stainless steel, laser welding between different steel.