



GEM Laser Welding Machine

GEMHJ-200S



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OVERVIEW

GEMHJ-200W portable fiber laser welding machine to subvert the previous laser welding machine work mode, hand welding, flexible and convenient, longer welding distance. Replace the previously fixed light path with a hand-held torch. This mode of operation is not only more convenient for molds, advertising words, kitchen utensils and other products of the welding, but also makes the laser welding in outdoor operation becomes possible

FEATURES

1. Beam quality is good, spot fine, solder joints can be precise positioning;
2. It is possible to carry out non-contact welding of the welded parts of the small welding parts which are not easy to move the work piece or the conventional welding gun can not be touched;
3. In the vicinity of difficult to close the welding, you can use non-contact long-distance welding.
4. No solder, weld smooth and beautiful;
5. High speed, welding depth, small thermal deformation.

SPECIFICATIONS

Model	GEMHJ-200S
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				

Applications

Applicable to the kitchen and toilet industry, home appliance industry, advertising industry, mold industry, stainless steel doors and windows industry, handicraft industry, home appliances industry, furniture industry, auto parts industry. The Welding materials: carbon steel, ordinary alloy steel, stainless steel, laser welding between different steel

Laser Marked Samples

