



GEM Laser Welding Machine

GEMHJ-500Z



GEM LASER LIMITED

A Legend Laser machine Manufacture & Solutions

Add . : No.442 ,Wuluo Road,Wuhan,430061 P.R.China .

Tel. : +86-27-84793136

Fax : +86-27-84793136

E-mail: sales@gem-lasers.com

Web : www.gem-lasers.com



OVERVIEW

GEMHJ-500Z-500W Right angle welding robot to achieve automatic control, repeat programming, free movement of an automatic welding precision metal equipment.

FEATURES

- 1, the degree of freedom of movement, the freedom between each movement of the space between the angle of the right angle;
- 2, automatic control, repeatable programming, all the movement according to the program to run;
- 3, by the control system, drive system, mechanical systems, operating tools, etc.:
- 4, flexible, multi-functional, because the different functions of the operating tools are also different.
- 5, high reliability, high speed, high precision.
- 6, can be used for harsh environments, long-term work, easy to operate and repair

SPECIFICATIONS

Model	GEMHJ-500Z
Pulse Width	0.1ms-20ms
Welding depth	0.1mm-3mm
Minimum spot diameter	0.15mm
Power configuration	380V /50Hz/70A
Total power	20KW
Laser wavelength	1064nm
Laser output power	650W
Pulse frequency	0-1000Hz
cooling method	Water cooled

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

The welding robot is an industrial robot engaged in welding (including cutting and spraying).
Laser Marked Sample

Laser Marked Samples

