

Plastic laser welding machine use semiconductor laser and implements welding through fiber transmission. Plastic laser welder series is widely used in plastic parts in the industry of electronic, automobile, computer, communication, medical treatment, aerospace and etc. High-power semiconductor laser welding is a quick, effective and clean welding method. Continuous laser welding is widely used in circuit board manufacturing.

Laser working principle:

Laser is shoot on the two pieces tight plastics, and then laser through first piece plastic, the second piece plastic will absorb the laser and change the optical energy into heat energy, then the surface of the second plastic will be melted, be hard set, then laser welding finished.



Machine parameter

Control type	PC
Dimension(L,W,H)(mm)	1500*970*1600
Max.loading weight of worktable	150KG
Working area	300*300*300
Position accuracy	0.08mm
Reposition accuracy	0.04mm
Head adjust	X.Z $\pm 45^\circ$
Coordinate move fuction	Yes
Working voltage	AC220V,50-60HZ
Weight	340KG

Laser Parameter

Model	WFD60
Laser type	Diode laser
Laser wavelength	915nm
Pulse width	0.2-6000 ms
Max. laser utput power	60W
Number of fiber output	single
Control screen	touch screen
Closed loop feed back function	current feedback/temperature feedback (option)
Aiming position	Red light / CCD
Cooling method	Air cooling
Power consumption	<240W
Power supply	AC220V,50-60HZ
Frequency of laser	Max.50HZ