The MT-W series mold laser welding machine uses the high heat energy generated by the laser to fuse the special welding wire to the damaged part of the mold, and it is firmly welded with the original base material. Precision repair can be carried out for mold sand holes, cracks, chipping and wear and tear of tiny parts. The Matron laser welding machine has an elegant design and can be moved freely, it meets the repair needs of various mold materials and has strong operability . High hardness after welding, no cracks and sand holes.

1. Specification :

Model	MT-W200	MT-W300	MT-W400
Laser Type	YAG		
Laser wavelength	1064nm		
The maximum laser output power	200W	300W	400W
Pulse Width	0.2~20ms		
Pulse frequency	0.5~20HZ		
Spot Adjustable Range	0.2-2mm		
Aiming Position	Microscope		
The maximum laser pulse energy	90J	110J	120J
Cooling Method	Water cooling		
Electricity demand	220V±10% / 50HZ /30A		380V±10% / 50HZ /10A
Machine maximum power consumption	≤7KW	≤10KW	≤12KW
Max Welding Thickness	0.1-0.8mm	0.1-0.9mm	0.1-1.0mm
Laser Welding Wire Diameter	0.2-0.4mm	0.2-0.4mm	0.2-0.5mm
Working Table	3D Manual		
Horizontal Direction	Fixed		
Lifting Distance	Fixed		
Laser Axis Rotation	Fixed		

2. Applicable Material and Industry:

Suitable for small and medium mold repair welding and manual spot welding of metal parts, used for S136, SKD-11, NAK80, 718, 738, P20, W302 and other mold steels, as well as carbon steel, ordinary alloy steel, stainless

steel, plastic molds, casting steel, Stamping steel, die casting mold, etc.Widely used in battery casings, electronic components, mobile phones, communications, precision instruments, hardware products, auto parts and other mold manufacturing industries.

3. Machine Images and Samples: