

Specifications of Manual Laser Welder							
Type	W50	W60	W100A	W100B	W300BF	W100CF	W300CF
Laser wavelength	1064nm						
Max. output power	50W	60W	100W		300W	100W	300W
Max. peak power					6KW	4KW	6KW
Max. pulse energy	30J	60J	50J				
Pulse width	0.1-10ms	0.1-10ms	0.1-50ms				
Pulse frequency	0.5-20Hz		1-15Hz		1-20Hz		
Waveform quantity	50						
Close feedback method	Current feedback control		CFCS current-feedback control system				
Focusing cavity	Imported ceramic cavity						
Pump source	HANS custom pulse xenon lamp						
Laser crystal	HANS custom dedicated crystal						
Orientation method	MOTIC microscope	LEICA microscope	MOTIC microscope			CCD monitor	
Optional black-and-white CCD kit	Add 5,000RMB (The welder can be used with microscope simultaneously. If microscope is not necessary, 0RMB will be returned for MOTIC microscope, 10,000RMB will be returned for LEICA microscope.						
Light shutter type	Liquid crystal light shutter					Filter	
Numerical-control system for platform	Electronic 3-axis control rod						
Welding scope			200*200*300mm	100*100*500mm		50*50*50mm	
Worktable load	500Kg						
Repeating positioning accuracy	0.04mm						
Electrical source	220V/1-phase/50Hz/20A		1-phase/220V±5%/50Hz/30A		380V/3-phase/50Hz/40A	220V/1-phase/50Hz/20A	380V/3-phase/50Hz/40A
Consumed power of optical system	3KW		5KW		12KW	5KW	12KW
Consumed power of water cooler					3P		3P
Cooling method	Air cooler				HANS 3P integrative type or 2P split type	Air cooler	HANS 3P integrative type or 2P split type
Optical system dimensions (L×W×H)	1060*1100*600mm						
External cooler dimensions (L×W×H)					810*570*805mm	810*570*805mm	

W300BF: WF200(change laser unit+ 400u fiber optic)+W100B worktable

W100CF: WF100+cantalever worktable

W300CF: WF200(change laser unit+ 400u fiber optic)+cantalever worktable