

SXF Series Water-cooled Handheld Laser Welding Machines



Product Features:

POINT 1

Classic protective lens design



POINT 2

Drawer type lens design, easy to replace, simple maintenance



POINT 3

The equipment is equipped with an emergency stop button and a safety clip, which makes it safe to use



POINT 4

Top of screen design
Easy to operate



POINT 5

10 meters welding line
Wide area of use



POINT 6

Complete specification of accessories



Comparison with Conventional TIG/MIG Welding Methods:



VS



Advantages of Water Cooled Handheld Laser Welding Machine:

- No welding technology required
- Fast welding speed
- Beautiful weld seam
- No grinding
- Small heat distortion
- Low welding fume
- No glare during welding

Technical Specifications:

Model Number	SXF-1000W-W	SXF-1500W-W	SXF-2000W-W	SXF-3000W-W
Laser power	1000W	1500W	200W	3000W
Dimension	870x400x705mm	870x400x705mm	870x400x705mm	1125x520x880mm
Weight	75kg	80kg	85kg	130kg
Max. power required	5kW	6.5kW	9kW	13kW
Input voltage	220VAC, 50/60Hz	220VAC, 50/60Hz	220VAC, 50/60Hz	380VAC, 50/60Hz
Cooling method	Internal water-cooled	Internal water-cooled	Internal water-cooled	Internal water-cooled
Operation temp.	0 ~ 45 degree C	0 ~ 45 degree C	0 ~ 45 degree C	0 ~ 45 degree C
Laser wavelength	1070nm	1070nm	1070nm	1070nm
Welding handle length	10m	10m	10m	10m
Welding speed	0-2m/min	0-2m/min	0-2m/min	0-2m/min
Welding thickness	0.4-3mm	0.4-4mm	0.4-6mm	0.4-8mm
Scan width	0-8mm	0-8mm	0-8mm	0-8mm
Welding material	Carbon steel, stainless steel, aluminum, galvanized material & other metal materials			
Pointing light	Red light			
Capable of functionality	Welding, cutting, cleaning			
Adapted welding wire dia.	0.8/1.0/1.2/1.6/2.0mm			
Automatic wire feeding	Standard configuration			
Welding wire specs.	Solid coiled wire, same as gas-shielded wire			
Welding wire material	Same as welded base material			
Protective gas	Nitrogen, argon, carbon dioxide			
Protective gas flow rate	10-15 liters per minute			

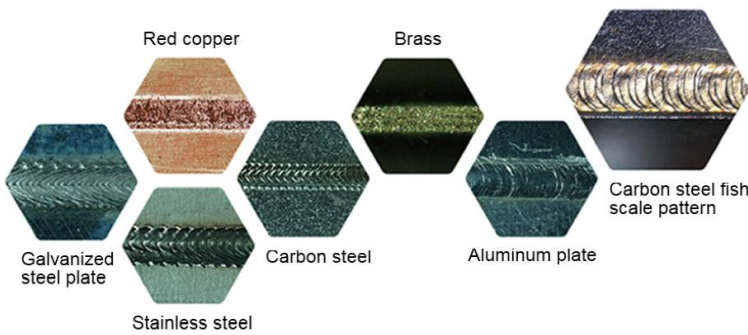
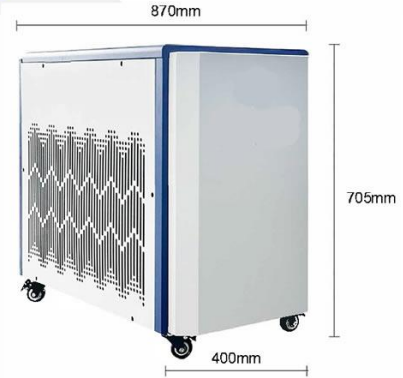
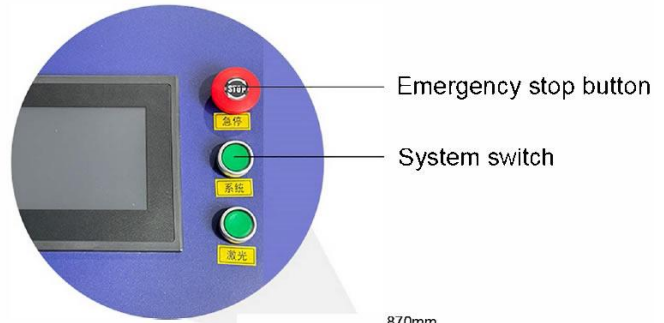
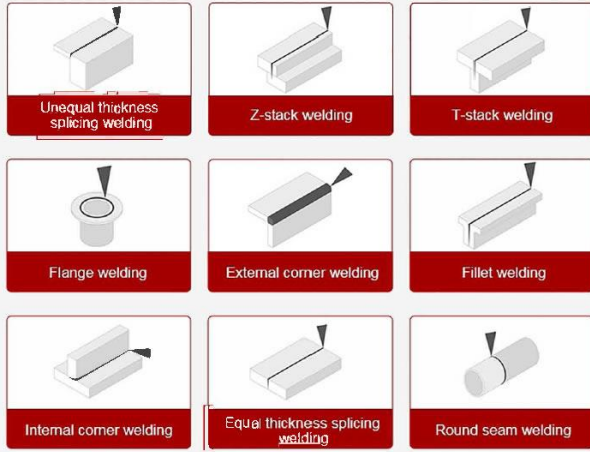
Pack Information of SXF-155W-W:



wooden box, dimension 1050×930×990mm, GW 86kg

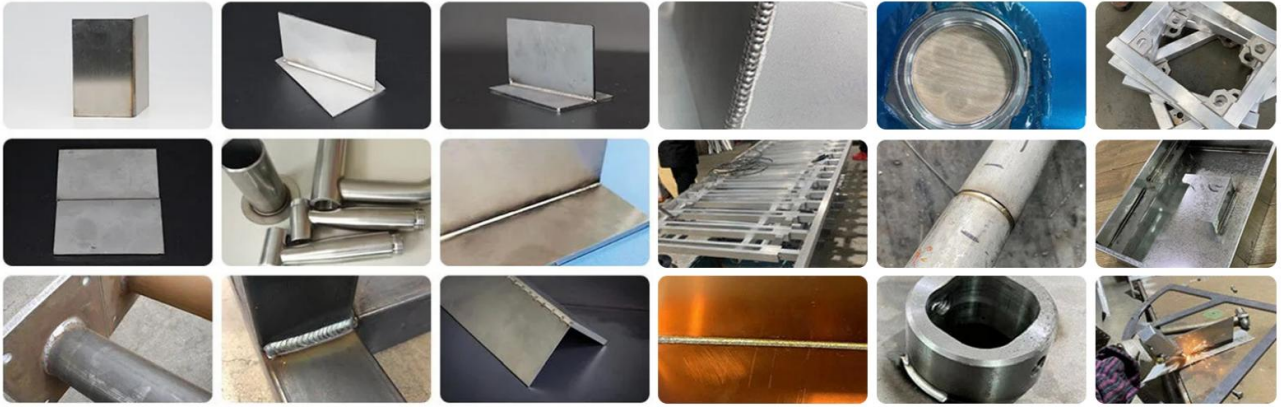
Welding at any angle

Welding head can weld workpieces at any angle, suitable for various complex welds and various equipment



Through the intelligent operating system, users can quickly select welding parameters based on different materials and thicknesses, and beginners can also weld high-quality and consistent welds.



Applications:**Packing List**

- 1) Laser welding machine, including 10m of welding wire, one unit. Remark: the chiller is integrated inside.
- 2) Wire feeder, including wire feed tube, wire feed wheel accessories, one set
- 3) Safety goggles, one pair
- 4) Welding nozzle, five pcs
- 5) Protective lens, 18*2, five pcs (disposables)
- 6) Nozzle assembly, including 0.8/1.0/1.2/1.6mm wire nozzle and wire feeder, one set
- 7) Protective gas connection fittings, one piece