

Handheld laser welding machine introduce





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1. Machine appearance

The background features several thick, curved lines in shades of blue and light blue. A prominent dark blue arc curves from the bottom left towards the right side of the frame. Another lighter blue arc is visible in the upper right quadrant. A small, vertical, pill-shaped blue element is positioned below the main dark blue arc on the left side.

1 . Machine appearance



1 . Machine appearance



1 . Machine appearance



1 . Machine appearance



Machine picture



2. Machine parameters



2 . Machine parameters

Model	SAN-1500	SAN-2000	SAN-3000
Laser wavelength	1080±10nm		
Operating Mode	Continuous / Modulation		
Maximum modulation frequency	20KHz		
Integrated Cable Length	10m		
Scan Width	0-6mm		
Input Voltage	AC220V±10%		AC380V±7%
Visual Positioning	Red dot		
Water cooling	Cooling method (distilled water,deionized water or pure water as medium)		
Package dimensions	1650×730×1220mm		1700*730*1220mm
Net weight	170KG		195KG
Gross weight	180KG		205KG
Water tank capacity	13L (14-15L of water to be added)		

3.Machine Details

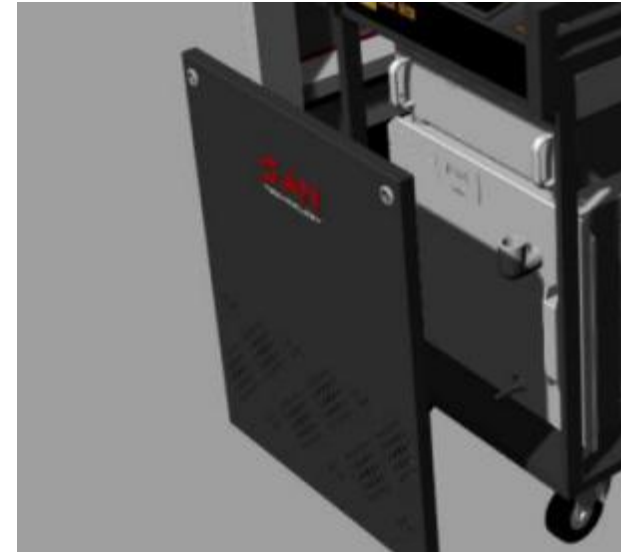
The background features several thick, curved lines in shades of blue and light blue. A prominent dark blue arc curves from the bottom left towards the top right. Another lighter blue arc is visible in the upper right quadrant. A small, vertical blue brushstroke is located below the main title.

1. Unique three-color light ---- safety alarm device, your safety butler, to ensure your safety at any time.

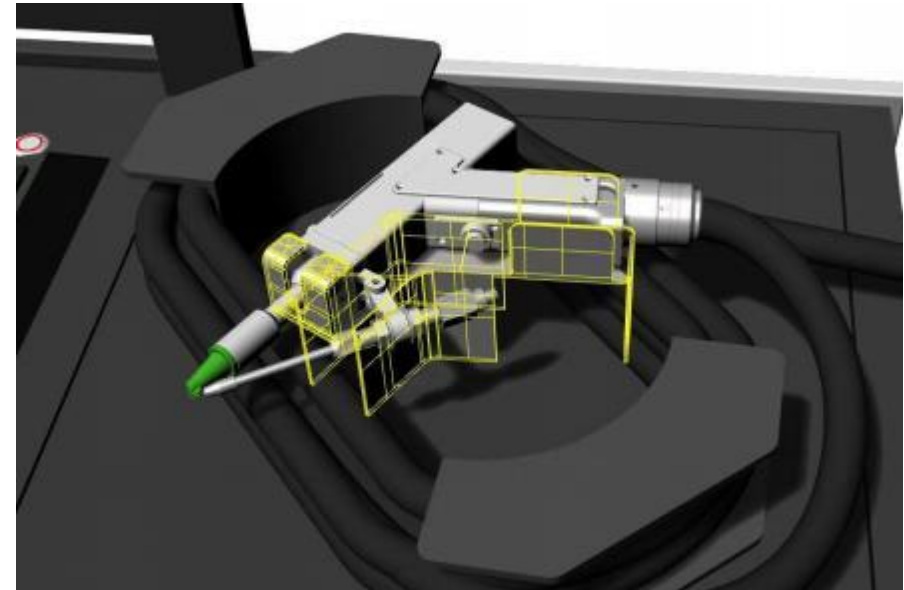
The yellow light is on when the machine is in standby mode, the green light is on when the machine is running, and the red light is on when the alarm is on.



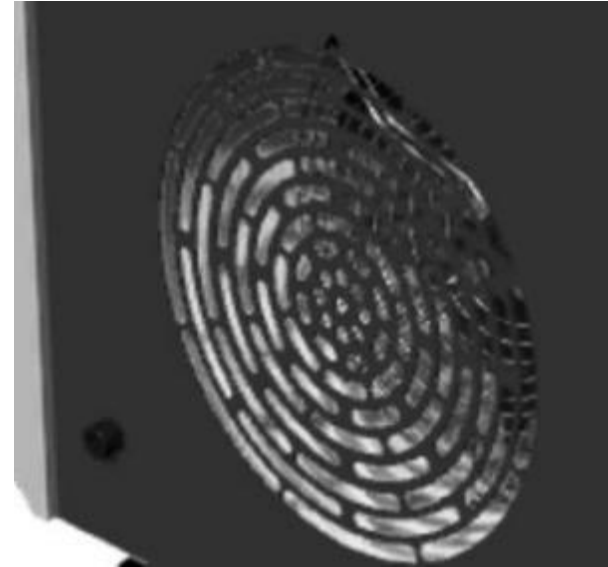
2. The front door has a hidden buckle design, which is convenient for maintenance and repair while ensuring safety.



3.The laser and chiller are separated for better cooling effect; the welding head is placed on the top of the machine for easy access, and the optical fiber line is equipped with a protective cover for wear resistance.



4. Three sides are hollowed out, and the rear air outlet increases air circulation, optimizes heat dissipation, and extends the service life of the laser.



5. Optimize the internal structure, use the space rationally, and minimize the transportation cost.



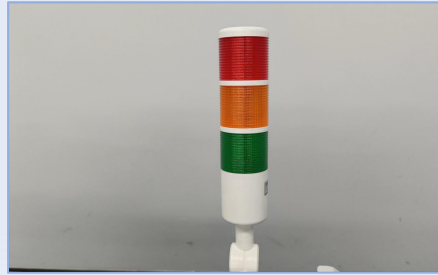
6. Detailed assembly, 20 years of experience in laser welding machine assembly helps you control product quality and win customer trust. According to European export standards, all parts are CE certified



Safety protection measures



Safety lock with keys on both sides , more safe when use this machine .



In case of argon gas or water depletion, or if the machine door is opened , the corresponding light will illuminate , accompanied by an alarm sound.



The fiber line is equipped with a protective cover (jeans& leather) that is both safe



We have integrated a safety lock mechanism that ensures the laser only emits to metal and not to skin.

4. Machine Configuration



Laser source:MAX/Raycus

1	Laser Source	MAX/Raycus
2	Modulation frequency	1-20,000Hz
3	Laser wavelength	1080 ± 5nm
4	Welding head	CHAOQIANG/QILIN Welding Head With Auto Filling
5	Water chiller	Double Temperature Double Control
6	Power required	220V ± 20%/AC/60Hz 380V/AC/60Hz
7	Power Consumption	7.5kw
8	Fiber optical length	10M
9	Fiber Core Diameter	50 μ m
10	Auxiliary gas	N2/Argon
11	Cooling Way	Water Cooling
12	Warranty for laser Source	2 years



Powerful energy
stable performance

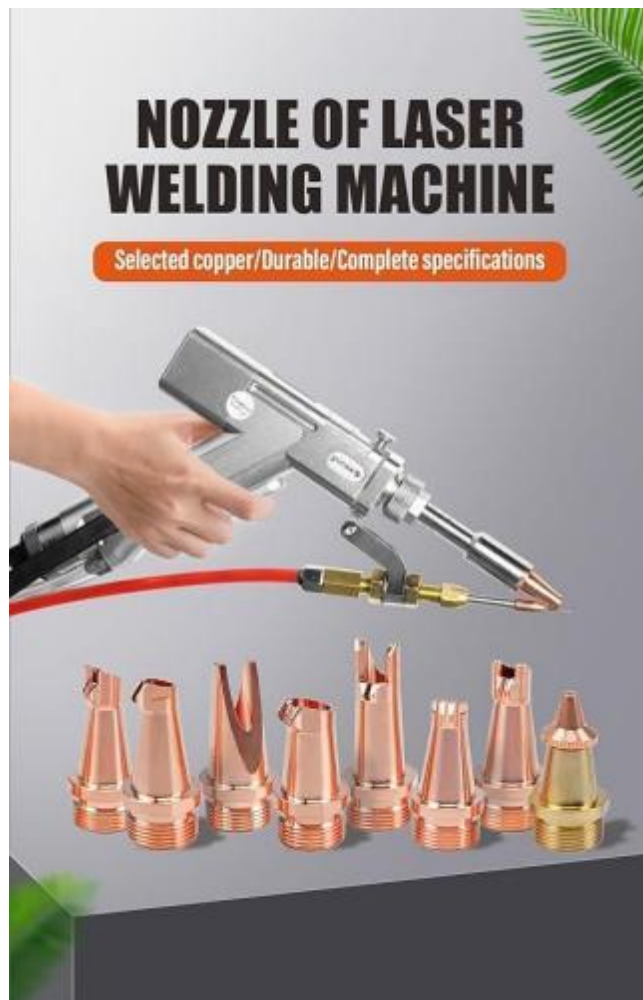


Handheld laser welding head



Product number	SUP23T Handheld laser welding head
Power level	3000W
Scope of use	≤3000W
Collimation focal length	60mm
Focus distance	150mm
Maximum air pressure	15Bar
Vertical focus range	±10mm
Light spot adjustment range	Line 0-8mm
Applicable wavelength	1070nm
weight	0.75kg

Copper Mouth



Chiller

HanLi 汉立®



HanLi 汉立®



Auto feeder

★ Multi-Function Automatic Wire Feeder

Features: touch screen display, four wheel double drive wire feeding mechanism, wire feeding speed 25-600cm/min (adjustable), supporting continuous wire feeding mode and Punching and feeding mode

Support wire diameter :0.8/1.0/1.2/1.6mm, can be customized 2.0/2.5mm



Application:

laser welding automatic wire feeding, mechanical arm automatic wire feeding, plasma automatic wire feeding, argon arc welding automatic wire feeding, etc

★ Multifunctional Double Automatic Wire Feeder

Size: 575*250*670mm

Support welding wire diameter:
0.8/1.0/1.2/1.6/2.0mm

Double wire support wire diameter:
1.6/2.0mm

Customizable: 2.5mm



The system with local language



Freebies



Coils, parts



copper nozzles



Hope to have the opportunity to
cooperate with you !