

Welding & Cleaning Machines

SENFENG

**Welding
Cleaning**

Cutting Bending
Cladding Automation

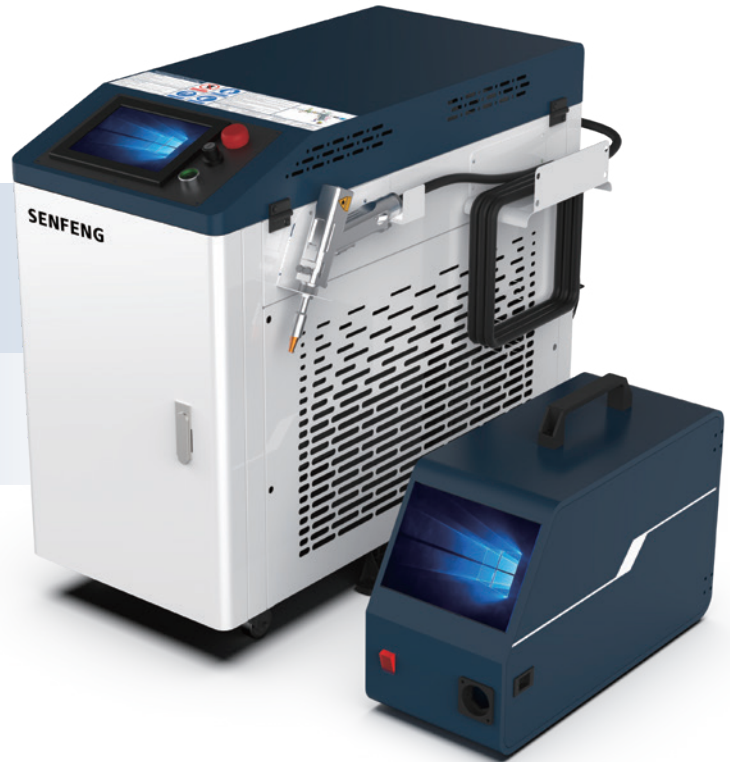
Provide Global Customers
with Metal Forming
Automation Solutions

www.senfenglaser.com

Live Demo Model

HW

Handheld Water-cooling Laser Welding Machine



6 Competitive Strengths

- Friendly to most unskilled workers
- Safety protection via temperature monitoring and air pressure alarm
- Allow for storage and invoking of 49 kinds of parameters
- Welding, cleaning, cutting and weld seam cleaning
- Integrated dual-temperature control heat dissipation system
- Flat-mouthed anti-splash nozzle (optional) special for AL welding

Model	SF1500HW	SF2000HW	SF3000HW
Wire feeding diameter	0.8-1.6mm	0.8-1.6mm	0.8-2mm
Welding thickness	≤4mm	≤5mm	≤7mm
Weight of welding gun	≤0.7kg		
Length of welding gun line	10m (length of wire feeding tube: 5m)		
Gross power	9kW	12kW	15kW
Scanning width-welding	0-8mm		
Scanning width-cleaning	F150-0~30mm/F400-0~60mm/F800-0~120mm		
Languages	24 kinds of languages like Chinese, English, Korean, Russian, Japanese, German, French, etc.		
Power supply	Three-phase 380V 50/60Hz (for 3000W) or single-phase 220V 50/60Hz (for 2000W and below)		

Live Demo Model

S

Portable Handheld Air-cooling Laser Welding Machine



6 Competitive Strengths

- Easy to move due to small size and light weight
 - Dial interface, dual rotary knob and dedicated welding gun
 - I/O interface for welding automation
- Welding, cleaning, cutting and weld seam cleaning
 - ABS impact-resistant flame-retardant casing
 - Use intelligent air-cooling heat dissipation system

Model	SF3S	SF4S	SF5S
Laser power	0.8kW	1.2kW	1.5kW
Wire feeding diameter	0.8-1.6mm		
Net weight	31.5kg	40kg	48kg
Net size	500*300*594mm	600*300*594mm	670*300*594mm
Welding thickness	≤3mm	≤4mm	≤5mm
Weight of welding gun	≤0.58kg		
Length of welding gun line	10m (length of wire feeding tube: 5m)		
Gross power	3.5kW	4.5kW	5.5kW
Languages	24 kinds of languages like Chinese, English, Korean, Russian, Japanese, German, French, etc.		
Power supply	Single-phase 220V 50/60Hz		

Live Demo Model

CMW

Collaborative Robotic Arc Welding Machine



Constituent parts

- Magnetic base
- Electric chassis
- Mobile trolley
- Industrial welding machine
- Dual-temperature control heat dissipation system

4 Competitive Strengths

- Easy to operate due to drag teaching
- Small in size for easy movement
- High consistency among workpieces
- Man-machine coordination for operational safety

Model	SF350CMW	SF500CMW
Robot armspan	1077mm/1460mm	1077mm/1460mm
Robot load	7kg (1077mm)/6kg (1460mm)	7kg (1077mm)/6kg (1460mm)
MIG/MAG welding machine	350A	500A
Cooling mode	Air cooling	Water cooling
Power supply	380V±10%, 50Hz±1	380V±10%, 50Hz±1
Gross power	20KVA	30KVA

Please use air-cooling welding gun for 350A, or water-cooling gun for 500A.

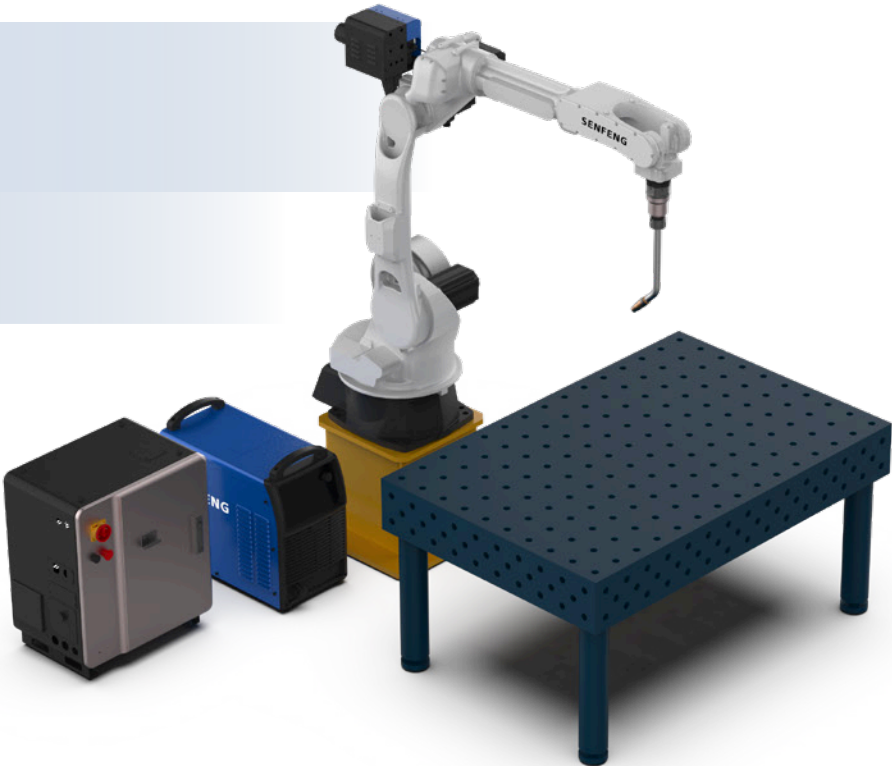
Hot-selling Welding Models

RMW

Robotic Arc Welding Machine

8 Competitive Strengths

- Anti-collision welding gun
- Built-in arc tracking feature
- Inverter arc welding machine
- Low-spatter welding available
- Content-rich welding process library
- Make welding quality always stable
- High ability to weld both thin and thick plates
- Adopt Chinese-brand robots like FANUC, KUKA and so on



Robot armspan	SF350RMW	SF500RMW
Robot armspan	1440mm/2010mm	
Robot load	10kg/12kg	
Repositioning accuracy	±0.05mm	
MIG/MAG welding machine	350A/500A (as needed)	
Arc welding gun	Air/water cooling (as needed)	
Cooling mode	Air/water cooling (as needed)	
Power supply	380V±10%, 50Hz±1	
Gross power	20KVA	30KVA
Robot	Chinese brands, or customize other international robots as needed.	

Other Hot-selling Welding Models

HWM

Intelligent Handheld Water-cooling Laser Welding Machine

- Easy to transport thanks to its highly-integrated structure
- Smart interconnection for fast production



Model	SF1500HWM	SF2000HWM	SF3000HWM
Wire feeding diameter	0.8-1.6mm	0.8-1.6mm	0.8-2mm
Welding thickness	≤4mm	≤5mm	≤7mm
Weight of welding gun	≤0.75kg		
Length of welding gun line	10m (length of wire feeding tube: 5m)		
Gross power	9kW	12kW	15kW

RW

Vertical Robotic Laser Welding Machine

- Robotic welding at high level of automation
- Fit for flexible manufacturing in batch



Model	SF1500RW	SF2000RW	SF3000RW	SF6000RW
Laser power	1.5kW	2kW	3kW	6kW
Robot armspan	1831mm			
Robot load	25kg			
Repositioning accuracy	±0.02mm			
Laser welding gun	3kW	3kW	3kW	6kW

Fully-enclosed Robotic Laser Welding Workstation

- Highly-integrated structure for safety and environmental protection
- Work with positioner to expand its scope of work

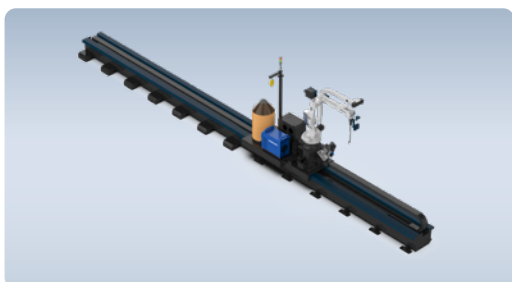


Model	SF1500RW	SF2000RW	SF3000RW	SF6000RW
Laser power	1.5kW	2kW	3kW	6kW
Robot armspan	2606mm			
Robot load	45kg			
Repositioning accuracy	±0.06mm			
Laser welding gun	3kW	3kW	3kW	6kW

RMW

Teaching-free Robotic Arc Welding Machine

- No need for manual teaching
- Take replace of 3-5 welders at least



Model	SF500RMW
Robot armspan	2010mm
Robot load	12kg
Repositioning accuracy	±0.05mm
MIG/MAG welding machine	500A
Length and stroke of ground rack	Length: 12m, effective stroke: 10.5m

HC

- Enable >8h continuous cleaning
- Perform well in anti-jamming capability due to digital servo motor drive



Model	SF1500HC	SF2000HC	SF3000HC
Laser power	1.5kW	2kW	3kW
Net weight	165kg	165kg	210kg
Net size	986*489.5*900mm	986*489.5*900mm	1035*570*900mm
Cleaning materials	Remove oil, rust, paint, oxidation layer, etc.		
Length of cleaning gun line	10	10	15m
Weight of cleaning gun	0.7kg	0.7kg	0.7kg
Cleaning width	≤300mm	≤300mm	≤300mm
Gross power	9kW	12kW	15kW
Languages	19 kinds of languages like Chinese, English, Korean, Russian, Japanese, German, French, etc.		
Power supply	Three-phase 380V 50/60Hz (for 3000W) or single-phase 220V 50/60Hz (for 2000W and below)		

HC

- Enable accurate, harmless cleaning
- 8 kinds of cleaning modes available



Model	SF1000HC
Max. pulse energy	15mJ
Laser power	1kW
Net weight	200kg
Machine size	1010*745*1050mm
Cleaning materials	Remove oil, rust, paint, etc.
Length of cleaning gun line	10m
Weight of cleaning gun	1.5kg
Cleaning width	≤120mm
Swing laser spot	Straight-line, elliptical, splayed, rectangular, spiral, petaloid, wavy, grid-shaped, etc.        

HC

- Much smaller in size and easy to move
- Enable accurate, harmless cleaning



Model	SF200HC	SF300HC	SF500HC
Laser power	0.2kW	0.3kW	0.5kW
Net weight	25kg	25kg	30kg
Net size	665*334.5*574mm		
Cleaning materials	Remove oil, rust, paint, etc.		
Length of cleaning gun line	5m	5m	10m
Weight of cleaning gun	0.7kg	0.7kg	1.2kg
Cleaning width	≤100mm	≤100mm	≤120mm
Swing laser spot	Straight-line, elliptical, splayed, rectangular, spiral, petaloid, wavy, grid-shaped, etc.        		

About SENFENG

As a global provider of one-stop metal forming solutions, SENFENG has a history of over 20 years and gets 690+ technical patents at home and abroad.

After years of independent R&D, we are now providing laser cutting, bending, welding, cladding, cleaning machines, metal cutting machine tools and other state-of-the-art automation solutions for all customers.

3 Manufacturing Bases in China

Nearly 180,000m² area



13 Oversea Service Agencies

USA, Germany, UAE, Japan, Australia, India, Vietnam, etc.



100+ Countries and Regions

Pass certifications like CE (TUV), FDA, ETL, SGS and RoHS



200+ Overseas Customer Service Agents

Render 24/7/365 after-sales service



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Start VR Tour

Note: The pictures and parameters in the album are for reference only, and the actual product shall prevail. Printed in Mar. 2026