



SUNNA Handheld Fiber Laser Welding Machine

SUNNA Handheld Fiber Laser Welding Machine is applicable to stainless steel, carbon steel, copper, aluminum, gold, silver, chromium, nickel, titanium and other metals and alloys. Widely used in cabinet kitchen, stair lifting platform, shelves, oven, stainless steel doors and Windows guardrail, distribution box, stainless steel furniture, metal sheet metal and other industries of complex irregular welding process.

SUNNA Handheld Fiber Laser Welding Machine

SUNNA laser hand-held laser welding machine adopts the latest generation of fiber lasers, equipped with self-developed swing welding head, fill the gap in the laser equipment industry hand-held welding. Simple operation, beautiful weld, fast welding speed, no consumables. It can weld thin stainless steel plate, iron plate, galvanized plate and other metal materials, which can perfectly replace the traditional argon arc welding and electric welding process. Hand-held laser welder can be widely used in cabinet, kitchen and bathroom, stair elevator, shelf, oven, stainless steel doors and Windows guardrail, distribution box, stainless steel home and other industries of complex, irregular welding process.

SUNNA Handheld Fiber Laser Welding Machine is newest design of high-quality laser welding technology and comes with 2-year warranty. Hand-held Laser Welding Machine was widely used and changed the industrial welding market by making it much simple for different angle and welding processing like tailored welding ,overlap welding ,T-profile welding, Internal/external corner welding and wire feeder .it could completely replace the application of traditional arc welder and electric welder technology in thin stainless steel ,iron sheet, aluminum plate and other sheet metal.



Advantages of Handheld Fiber Laser Welding Machine
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Welding in thin stainless steel plate, iron plate, aluminum plate and other metal materials can perfectly replace the traditional argon arc welding and electric welding technology.
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Compact internal design is and the good interactive control system expands the tolerance range of the machined parts and the width of the weld. It solves the disadvantage of small laser welding spot and better weld formation.

Light Weight and the adopted body engineering design method . reliable performance and comfortable grip .

Safety alarms, it automatically locks light after removing the workpiece.

Beautiful weld seam, fast speed, no consumables, no weld marks, no discoloration, no need for post-grinding

Can be configured with a variety of angle nozzles to meet different product welding needs

Fast welding speed, 2~10 times faster than traditional welding.

Easy operating need no training: welding seam beautiful smooth and beautiful, don't need polish, save your time

No deformation or welding scar, firm welding of the workpiece.
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Easy Maintance: Laser welding has less consumables and long service life.Safer, more environmentally friendly

SUNNA Handheld Fiber Laser Welding Machine

Parameter (Specification)

Model	SN-W
Laser Power	500W/1000W/1500W/2000W/3000w Optional
Laser Type	Fiber laser Raycus Brand Laser Source
Laser wavelength	1080nm
Working Mode	Continue
Welding Gap Requirements	≤0.5mm
Frequency	1000HZ
Welding Thickness	0-3.5mm
Fiber Core Diameter	50-100um
Cable Length	10m
Welding Speed	0~120 mm/s
Laser wavelength	Precise energy or high-speed time spectrophotometry
Output Laser Model	QCW/PWM/CW
Position System	Red Pointer
Welding Head	Self Reserch and development
Rated Power	3.5KW
Chiller	1.5P
Chiller Temperature Request	20°C-40°C
Package Size & Weight	Machine: 1600x1100x1500mm & 200kgs
Voltage	220V±5V 50Hz/40A

Maximum Thickness Materials Depth Penetration

Material	Shield Gas	1000W	1500W	2000W
Stainless Steel	Argon	3mm=0.118"	5mm=0.196"	6mm=0.236"
Carbon Steel	CO2	3mm=0.118"	5mm=0.196"	6mm=0.236"
Galvanized Steel	Argon	2mm=0.078"	4mm=0.157"	5mm=0.196"
Aluminum	N2/ Argon+Helium	2mm=0.078"	4mm=0.157"	5mm=0.196"
Brass	Argon	2mm=0.078"	3mm=0.118"	4mm=0.157"

SUNNA Handheld Fiber Laser Welding Machine Feature And Application

1--SUNNA Handheld Fiber Laser welding machine is suitable for welding gold, silver, titanium, nickel, tin, copper, aluminum and other metals and their alloy materials. It can achieve the same precision welding between metals and dissimilar metals. It has been widely used in aerospace, shipbuilding, and instrumentation. Mechanical and electrical products, automobiles and other industries.

2--Laser welding Machine is widely used in cabinets, kitchen cabinets, stair elevators, shelves, ovens, stainless steel door and window guardrails, distribution boxes, stainless steel homes and other industries with complex and irregular welding processes; perfect replacement for traditional argon arc welding, welding on thin stainless steel plates, Welding.

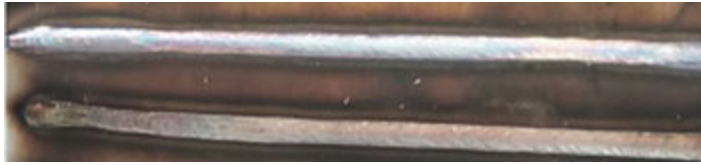
- (1)Continue Welding



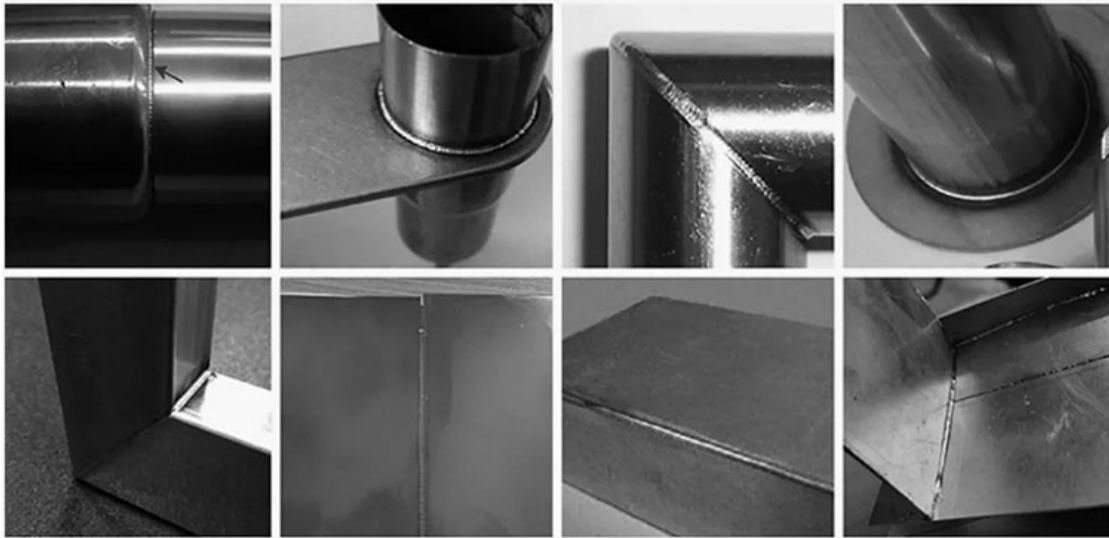
- (2)Wobble Welding



- (3)Wile Filling Welding



- (4)Spot welding Pulse welding



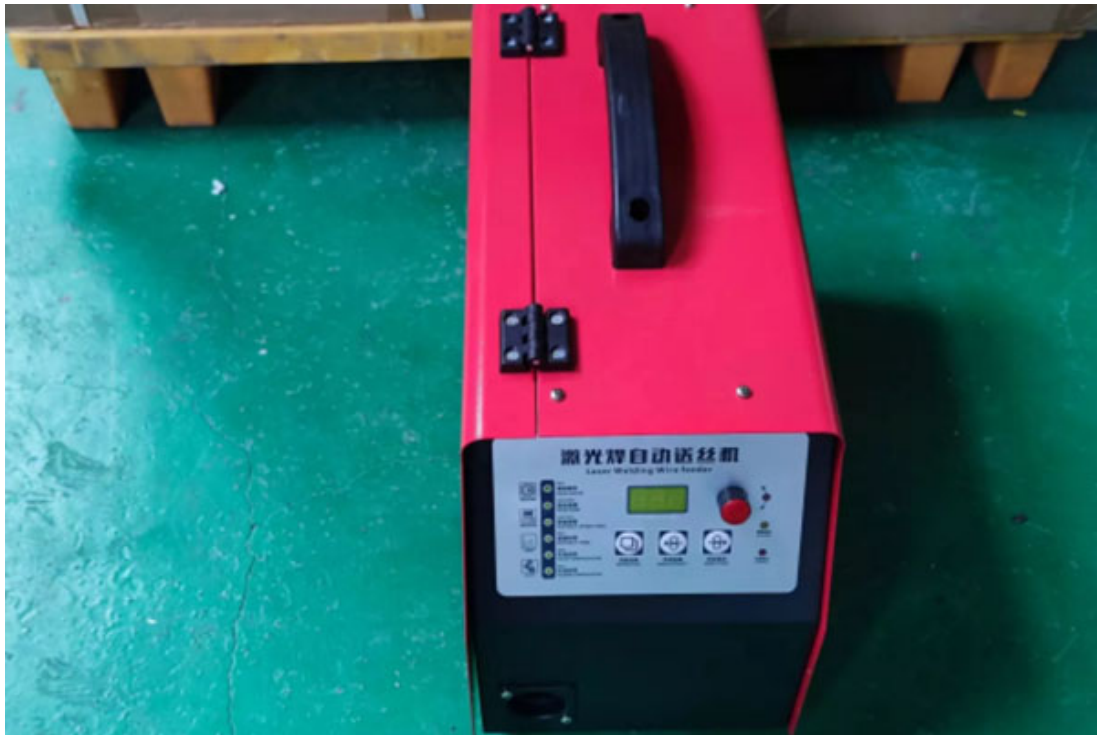
SUNNA Handheld Fiber Laser Welding Machine Details



(1) SUPER LASER WELDING HEAD

Smaller size, lighter weight, flexible operation, easy to use. Drawer type protection mirror and focus mirror, easy to change.

Through the connection with the laser, through the completely sealed optical channel in the cavity, an energy spot is formed



(2)AUTO FEEDER SYSTEM

Industrial design

Digital panel,easy to use and operate

Powerful and compact

Auto feeding,high efficiency



(3)HANDHELD FIBER LASER WELDING MACHINE TOUCH CONTROL SYSTEM

Contains a variety of languages, easy to adjust,a variety of light spot control.

Now the software supports languages including: Simplified Chinese, Traditional Chinese, English, Korean, Russian, Spanish.



(4)LASER SOURCE

Raycus Brand Laser Source which can be customized according to customers

We have different laser generator brand and different laser power can be chosen(RECI/RAYCUS/MAX/IPG/JPT)



(5)WATER COOLING SYSTEM

Adopt advance imported temperature control system, independent water tank switch.

High cooling rate, which can weld fine weld structure and good joint performance.



(6)Welding Nozzle

When using different specifications of welding wire, the copper nozzle, copper guide wire nozzle and wire feed roller on the wire feeder all need corresponding

We will send 10 pieces for free.

SUNNA Handheld Fiber Laser Welding Machine Shipping and Payment

SHIPPING & PAYMENT

Payment: TT, LC, Western Union, Paypal, E-Checking, Master Card, Cash etc.



SUNNA INTL has been cooperating with several big transport agents and shipping companies for long terms, and all machines are packed with standard plywood case for export, it can be transported to you safety as soon as possible.

Our wooden case is after fumigation treatment.

Needn't timber inspection,saving shipping time.

All the spare parts of the machine were covered by some soft materials,mainly using pearl wool.

Avoiding all damages that could happen in the delivery process.

Then we'll covered plastic wrap out it tightly,make sure intact of the covered soft materials,also avoiding Waterproof and rust proof.

Jinan Sunna International Trade Co.,Ltd.

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The out most is wooden case with fixed form work.

The bottom of the wooden case has firm iron jack, convenient to Handling and transport.



FAQ

1) How about machinery warranty?

2 years quality guaranty, the machine with main parts(excluding the consumables) shall be changed free of charge (some parts will be maintained) when if any problem during the warranty period.

2) I don't know how to choose suitable cnc laser machine?

Please tell me your: Max working size: choose most suitable model.

In addition, materials and max. Cutting thickness,;choose most suitable power.

3) Payment Terms?

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E-mail: sales@sunnaintl.com

TT/Alibaba Trade Assurance/Western Union/Paypal /L/C/Cash and so on.

4) Does your company accept the customized offer, we have a special need.

SUNNA INTL is a company that focuses on research and manufacture of modular CNC machines. We have very rich experience and strong machine tool research and development capability. We are very willing to offer you customized highly-efficient equipment as long as you have a certain amount of needs.

5) I don't know how to use machine after received or i have problem during use,how to do?

1) We have detailed user manual with pictures and CD,you can learn step by step.And our user manual update every month for your easy learning if there is any update on machine.

2) If have any problem during use,you need our technician to judge The problem elsewhere will be solved by us. We can provide team viewer/Whatsapp/Email/Phone/Skype with cam till all of your problems finished.We can also provide Door service if you need.

SUNNA has many years of experience in laser equipment supply, SUNNA is an expert in laser engraving and cutting machines and CNC routers, and has provided thousands of laser machines to customers worldwide. We also support OEM, welcome your inquiry.