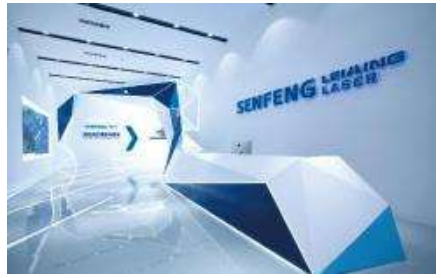
SENFENG

Senfeng Tools F900 Solution Description

Content

1.1 Company Profile—Company Introduction



About Us

Senfeng Co., Ltd. is a global metal forming automation enterprise, dedicated to providing automated metal forming solutions to users worldwide. The company has established branches in five major industrial cities across the globe, including Paderborn and California, actively promoting the globalization of laser technology.

Under Senfeng Co., Ltd., the company has diversified into laser equipment, welding, automation, bending, and cladding. Upholding the mission of “becoming a leading brand in the laser industry” and the core value of “Integrity and Innovation,” the company continuously meets various customer demands for laser equipment, pursues rigorous quality and ultimate innovation, and strives to enhance industrial productivity while advancing the national equipment manufacturing industry.

1.2 Company Profile—Company Introduction

Domestic Service Center

DEVELOPMENT HISTORY

2004

In 2004, the first small laser equipment officially entered the market.

2007

In 2007, the laser cutting machine was sold to Southeast Asia and formally laid out the global market.

2013

In 2013, it was rated as a "high-tech enterprise" by the state. The enterprise changed from a sales-driven to a technology-driven

2016

In 2016, independent research and development of laser generators, innovation has become the core competitiveness of enterprise growth.

2017

In 2017, the first 10,000-watt laser cutting machine came out, opening a new chapter of 10,000 watts.

2019

In 2019, the "Fengyun" system was officially launched, and the era of intelligent IoT is coming.

2020

In 2020, laser welding, equipment officially entered the NE market.

2021

In 2021, complete the layout of the entire laser industry chain and open a new era of intelligent manufacturing.

2022

In 2022,NE business team upgrade, set up Suzhou senfeng intelligent equipment Co.,ltd

1.3 Company Profile—Company Introduction

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森峰美国公司

Add: 5989 Rickenbacker Road, Commerce CA90040

森峰德国公司（研发中心）

Add: Oberer Westring 33, 33142 Büren, Germany

塞尔维亚服务中心

Add: Žitna 19, 11272 Dobanovci, Belgrade, Republic of Serbia

约旦服务中心

Add: Amman -Sahab -Alazraq highway

越南服务中心

Add: K13 Ngã 3 Ngọc Hồi Xã Ngũ Hiệp Huyện Thanh Trì Hà Nội

印度服务中心

Add: Sy No. 323/2, Door No. 2-29, Brahmanpally X Road, Turkayamjal, Hyderabad

巴基斯坦服务中心

Add: Dullukhur metro station 26 Ferozpur road, Lahore

土耳其服务中心

迪拜服务中心

日本服务中心

澳大利亚服务中心

巴西服务中心

墨西哥服务中心

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2.1 Product Introduction—Product R&D Background and Targeted Issues

R&D Background:

1. Traditional CNC fiber laser machines are typically expensive and occupy a large footprint, making them inaccessible for small- and medium-sized enterprises as well as individual users.
2. The SFT F900 changes this landscape by integrating an 800W/1200W/1500W fiber laser for metal cutting and welding, an 80W/130W CO_2 laser for non-metal engraving and cutting, or a 40W/60W blue laser for non-metal engraving and cutting.
3. By eliminating the need for multiple machines, it reduces labor costs through welding speeds up to five times faster, while maximizing efficiency with exceptional fiber laser precision (0.05 mm) and power.
4. This versatile system can process stainless steel, carbon steel, aluminum, brass, acrylic, wood, leather, fabric, glass, and more, providing small businesses, workshops, and creators with a high-performance laser processing solution that is affordable today.

2.2 Product Introduction—Core Highlights of the Product

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Core Highlights:

1. Integrates cutting, welding, cleaning, and engraving in one machine, offering multiple functions in a single device;
2. Capable of working on a wide range of materials, including metals, wood, plastics, leather, and ceramics;
3. Features dynamic cutting, image processing, automatic power adjustment, multi-terminal operating system, and one-click switching between work modes;
4. The machine base adopts an integral welded design for enhanced stability during operation, while the waste collection bin is made of copper to prevent laser damage and avoid deformation due to heat;
5. Equipped with a quick-release modular laser head, enabling rapid switching between different application scenarios for versatile use;
6. Paired with 800W/1200W/1500W air-cooled fiber lasers, providing powerful performance despite a compact size; combined with 40W/60W blue lasers or 80W/130W CO_2 lasers, it easily handles non-metal material processing;
7. A single control system manages all devices across various scenarios, with a modular design that allows for rapid replacement of components.

3.1 Product Specifications—Laser Welding Machine

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Model			
Laser Power	800W	1200W	1500W
Laser Type	Fiber Laser		
Function	Welding/Cutting/Rust Removal/Cleaning		
Welding Mode	Continuous/Spot Welding/Pulsed Welding		
Welding Thickness	0.2-4 mm	0.2-5 mm	0.2-7 mm
Max Cutting Thickness (Carbon Steel)	10mm	12mm	16mm
Wavelength	1070士 20 nm		
Assist Gas	Nitrogen/Argon		
Cooling Method	Air Cooling		
Laser Safety Class	Class 4		
Operating Temperature	0°C~40"C		
Machine Dimensions	420*460*290	600*640*320	650*740*320
Machine Weight	21 kg	44 kg	55 kg
Wire Feed Weight	10.8		
Fiber Length	7 m	10 m	10 m

3.2 Product Specifications—Laser Welding Machine

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Laser Tool									
Laser Power	800W fiber laser	1200W fiber laser	1500W fiber laser	800W fiber laser + 80W CO_2 laser	800W fiber laser + 130W CO_2 laser	1200W fiber laser + 80W CO_2 laser	1200W fiber laser + 130W CO_2 laser	1500W fiber laser + 80W CO_2 laser	1500W fiber laser + 130W CO_2 laser
Laser Type	Fiber Laser								
Function	Welding/Cutting/Rust Removal/Cleaning		Welding/Cutting/Rust Removal/Cleaning	Welding/Cutting/Rust Removal/Cleaning CNC Metal Cutting/CO_2 Cutting		Welding/Cutting/Rust Removal/Cleaning CNC Metal Cutting/CO_2 Cutting		Welding/Cutting/Rust Removal/Cleaning CNC Metal Cutting/CO_2 Cutting	
Welding Mode	Continuous/Spot/Pulsed Welding								
Welding Thickness	0.2-4 mm	0.2-5 mm	0.2-8 mm	0.2-4 mm	0.2-4 mm	0.2-5 mm	0.2-5 mm	0.2-8 mm	0.2-8 mm
Cutting Thickness	800W laser:max 8mm	1200W laser: max 10mm	1500W laser: max 14mm	800W laser: max 8mm, 80W CO_2 laser: max 20mm	800W laser: max 8mm, 130WCO_2 laser: max 25mm	1200W laser: max 10mm, 80WCO_2 laser: max 20mm	1200W laser: max 10mm, 130W CO_2 laser: max 25mm	1500W laser: max 14mm, 80WCO_2 laser: max 20mm	1500W laser: max 14mm, 130WCO_2 laser: max 25mm
Work Area	1320*950								
Max Speed	X-axis: 700mm/s，Y-axis: 700mm/s								
Repeat Positioning Accuracy	±0.05mm								
Wavelength	1070± 20 nm								
Assist Gas	Nitrogen/Argon/Oxygen/Air								
Cooling Method	Air + Water Cooling								
Laser Safety Class	Class 4								
Operating Temperature	0℃~40"C								
Machine Dimension (L x W x H)	2180*1700*1100								
Machine Weight	500 kg + 21 kg		500 kg + 55 kg	500 kg + 44KG	500 kg + 21 kg	500 kg + 44 kg	500 kg + 44 kg	500kg + 55 kg	500 kg + 55 kg
Wire Feeder Weight	10.8 kg								
Fiber Cable Length	7 m		10 m	7 m	7 m	10 m	10 m	10 m	10 m

Note:
1. The achievable processing accuracy of the workpiece may be affected by factors such as the material of the workpiece, pre-treatment conditions, sheet size, and grid positioning within the processing area.
2. The above parameters are subject to change without prior notice. Final technical specifications shall be based on the actual order agreement.

3.3 Product Specifications—Laser Welding Machine

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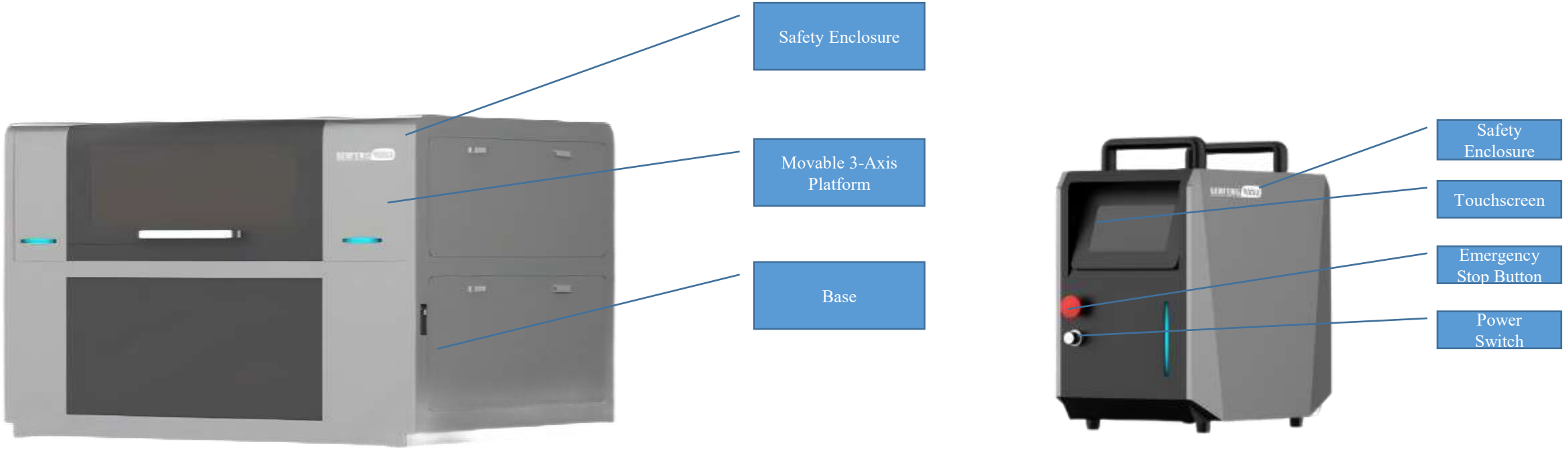
Laser Tool						
Laser Power	800Wfiber laser + 40Wblue laser	800Wfiber laser + 60Wblue laser	1200Wfiber laser + 40Wblue laser	1200Wfiber laser + 60Wblue laser	1500Wfiber laser + 40Wblue laser	1500Wfiber laser + 60Wblue laser
Laser Type	Fiber Laser					
Function	Welding/Cutting/Rust Removal/Cleaning CNC Metal Cutting/CO_2 Cutting		Welding/Cutting/Rust Removal/Cleaning CNC Metal Cutting/CO_2 Cutting		Welding/Cutting/Rust Removal/Cleaning CNC Metal Cutting/CO_2 Cutting	
Welding Mode						
Welding Thickness	0.2-4 mm	0.2-4 mm	0.2-5 mm	0.2-5 mm	0.2-8 mm	0.2-8 mm
Cutting Thickness	800W laser: max 8mm, 40Wblue laser: max 20mm	800W laser: max 8mm, 60Wblue laser: max 25mm	1200W laser: max 10mm, 40Wblue laser: max 20mm	1200W laser: max 10mm, 60Wblue laser: max 25mm	1500W laser: max 14mm, 40Wblue laser: max 20mm	1500W laser: max 14mm, 60Wblue laser: max 25mm
Work Area	1320*950					
Max Speed	X-axis: 700mm/s，Y-axis: 700mm/s					
Repeat Positioning Accuracy	±0.05mm					
Wavelength	1070±20 nm					
Assist Gas	Nitrogen/Argon/Oxygen/Air					
Cooling Method	Air + Water Cooling					
Laser Safety Class	Class 4					
Operating Temperature	0℃~40"C					
Machine Dimension (L x W x H)	2180*1700*1100					
Machine Weight	500 kg + 44 kg	500 kg + 21 kg	500 kg + 44 kg	500 kg + 44 kg	500 kg + 55 kg	500 kg + 55 kg
Wire Feeder Weight	10.8KG					
Fiber Cable Length	7 m	7 m	10 m	10 m	10 m	10 m

Note:
1. The achievable processing accuracy of the workpiece may be affected by factors such as the material of the workpiece, pre-treatment conditions, sheet size, and grid positioning within the processing area.
2. The above parameters are subject to change without prior notice. Final technical specifications shall be based on the actual order agreement.

4.1 Key Components Introduction—3-Axis Module+ Welding Workstation



Description:

1. The laser welding machine can operate independently. When cutting functions are required, it can be quickly assembled with the worktable.
2. The laser welding machine and CO_2 laser can achieve rapid software switching, while CO_2 and blue laser can be quickly interchanged.
3. The system supports both touchscreen control and app-based operation.

4.2 Key Components Introduction—Welding Head

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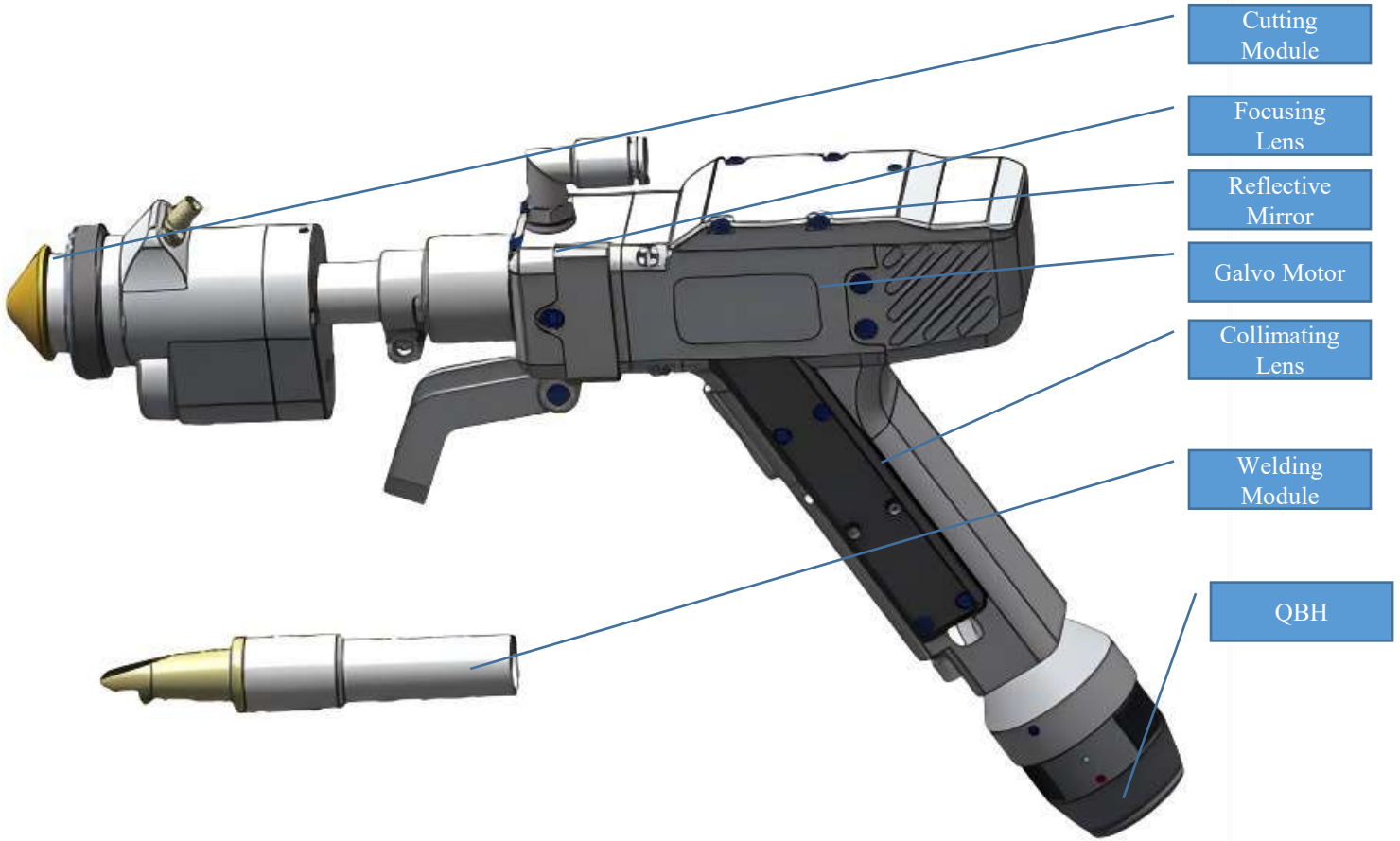

Description:

1. The precise system configuration and wiring ensure smooth switching between handheld and machine-based processing.
2. Dual-mode laser head supporting both water cooling and air cooling.
3. Cutting air pressure and focusing range comparable to dedicated cutting heads.

Parameters	
Fiber Interface Type	QBH
Applicable Wavelength	1080nm
Laser Power	≤3KW
NA	NA≤0.07
Optical Configuration: Collimating Focal Length/Focusing Focal Length	D16-F50 D20-F150
Focusing Range: *Horizontal *Vertical	-1~+1mm-8~+10
Pipeline Interface: *Cutting Gas	Φ8 Connector
Working Voltage	24V±10%, Max 4A
I/O Interface (6-pin Connector)	Switch output current limited to ≤30 mA
Working Temperature	5°C~55°C
Humidity	30%~95%, non-condensing
Weight	< 0.8 kg

4.3 Key Components Introduction—Blue Laser Smart Module

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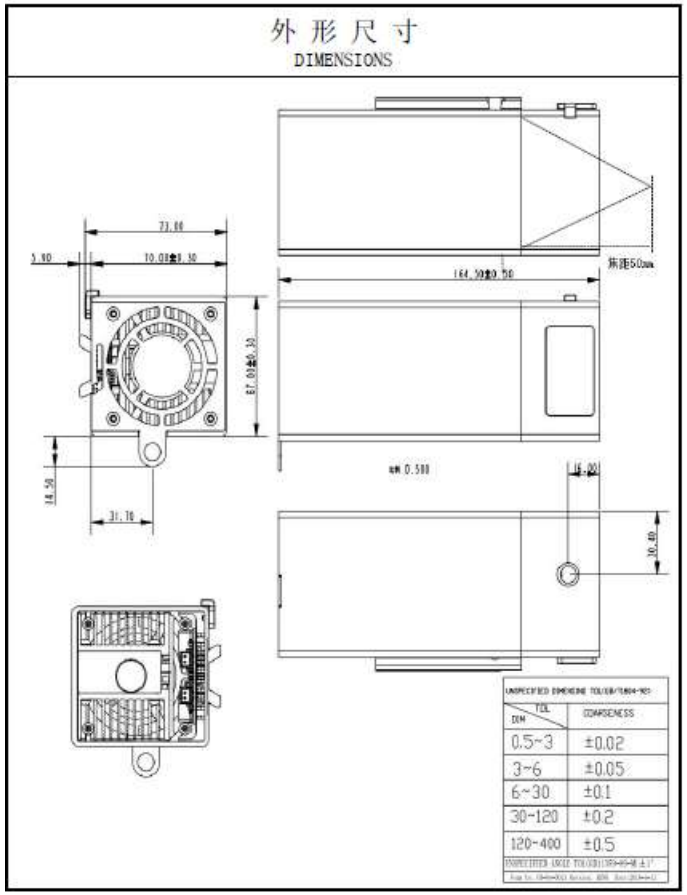

产 品 参 数
PRODUCT PARAMETERS

项目 Items	参数 Parameter	项目 Items	参数 Parameter
结构尺寸: Housing size	67*70*164.5mm	透镜: Optical Lens	玻璃
电路板尺寸: Circuit Board Size	47.5*92mm	散热形式: Form of Heat dissipation	风冷
电路板: Circuit Board	24V/PWM调制板	产品材质: Product Material	铝氧化藏青色
线材: Wire Rod	22# 2P2.54端子反线 170mm	产品净重: Product Net Weight	/

光 电 参 数
OPTICAL PARAMETERS

TC=25℃

项目 Items	符号 Symbol	最小 Min	标准 Typ	最大 Max	单位 Unit	条件 Condition
光输出功率: Optical Output	Po	38	/	/	W	
工作电流: Working current	Iop	/	5	5.5	A	
工作电压: Operating Voltage	Vop	/	24	/	V	
激光波长: Laser Wavelength	λp	450	455	460	nm	
电功率: Electric Power	W1	/	120	132	W	

光斑模式: Laser Beam Mode	点状	工作模式: Working Mode	Pulse work
焦距: The focal length	50±1mm	工作温度: Working Temperature	0℃至35℃
焦点大小: The focus size	<0.5mm	储存温度: Storage Temperature	-40℃至85℃
工作时间: Working Time	10000H	外壳带电极性: Enclosure Polarity	⏚

4.4 Key Components Introduction—Handheld Welding Parameters

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Wire-Feeding Welding Parameters								
Material Type	**Thickness (mm)**	**Power (W)**	**Frequency (Hz)**	**Focus**	**Swing Width (mm)**	**Swing Frequency (Hz)**	**Wire Feed Speed/Wire Diameter**	**Penetration Depth (mm)**
Stainless Steel (SS Wire)	1.5 mm	800W	1000Hz	-2	2.0 mm	80Hz	14mm/s /φ 1.0 mm	1.5 mm
Stainless Steel (SS Wire)	2.0 mm	1200W	1000Hz	-2	2.0 mm	70Hz	12mm/s /φ 1.0 mm	2.0 mm
Stainless Steel (SS Wire)	3.0 mm	1500W	1000Hz	-2	2.5 mm	60Hz	10mm/s /φ 1.2 mm	2.5 mm
Aluminum Alloy (5-series, AI-Mg Wire)	2.0 mm	1200W	1000Hz	0	2.5 mm	70Hz	12mm/s /φ 1.2 mm	2.0 mm
Aluminum Alloy (5-series, AI-Mg Wire)	3.0 mm	1500W	1000Hz	-1	2.5 mm	60Hz	10mm/s/φ 1.2 mm	2.5 mm
Aluminum Alloy (5-series, AI-Mg Wire)	1.0 mm	800W	1000Hz	+2	2.0 mm	80Hz	14mm/s /φ 0.8 mm	1.0 mm
Aluminum Alloy (5-series, AI-Mg Wire)	2.0 mm	1200W	1000Hz	+2	2.0 mm	80Hz	14mm/s /φ 1.0 mm	2.0 mm
Carbon Steel (SS Wire)	3.0 mm	1500W	1000Hz	+2	2.5 mm	60Hz	10mm/s /φ 1.2 mm	2.5 mm

Welding Parameters (Without Wire Feeding)								
Material Type	**Thickness (mm)**	**Power (W)**	**Frequency (Hz)**	**Focus**	**Swing Width (mm)**	**Swing Frequency (Hz)**	**Welding Speed**	**Penetration Depth (mm)**
Stainless Steel	2.0 mm	800W	1000Hz	0	2.0 mm	100Hz	14mm/s	2.0 mm
Stainless Steel	2.5 mm	1200W	1000Hz	0	2.0 mm	80Hz	14mm/s	2.5 mm
Stainless Steel	3.0 mm	1500W	1000Hz	-1.5	2.5 mm	60Hz	14mm/s	3.0 mm
Aluminum Alloy (5-Series)	1.0 mm	800W	1000Hz	0	1.5 mm	100Hz	16mm/s	1.0 mm
Aluminum Alloy (5-Series)	2.0 mm	1200W	1000Hz	0	1.8 mm	100Hz	16mm/s	2.0 mm
Aluminum Alloy (5-Series)	3.0 mm	1500W	1000Hz	-1	2.0 mm	70Hz	14mm/s	2.5 mm
Carbon Steel	1.0 mm	800W	1000Hz	0	1.5 mm	100Hz	16mm/s	1.0 mm
Carbon Steel	2.0 mm	1200W	1000Hz	0	2.0 mm	100Hz	16mm/s	2.0 mm
Carbon Steel	3.0 mm	1500W	1000Hz	+1.5	2.0 mm	80Hz	14mm/s	2.5 mm

4.5 Key Components Introduction—Handheld Cutting Process Library

800W Cutting Parameters					
Material	**Thickness (mm)**	**Speed (m/min)**	**Pressure (MPa)**	**Gas**	**Cutting Height**
Stainless Steel	0.5	>21	1	N_2	0.6
	1	12~18	>1.1	N_2	0.6
	2	3.6~4.2	>1.5	N_2	0.6
	3	1.2~1.8	>1.8	N_2	0.6
	4	0.78~1.2	>2.0	N_2	0.6
Carbon Steel	1	12~18	1	O_2	1
	2	4.2~5.4	0.6~0.8	O_2	1
	3	3~3.9	0.25~0.4	O_2	1
	4	1.8~2.4	0.15~0.2	O_2	1
	5	1.2~1.8	0.15~0.2	O_2	1
	6	0.9~1.2	0.10~0.15	O_2	1
	8	0.72~1.84	0.10~0.15	O_2	1
	10	0.6	0.10~0.15	O_2	1

1200W Cutting Parameters					
Material	**Thickness (mm)**	**Speed (m/min)**	**Pressure (MPa)**	**Gas**	**Cutting Height**
Stainless Steel	1	24	1	N_2	0.6
	2	6	>1.1		0.6
	3	2.8	>1.5		0.6
	4	1.8	>2.0		0.6
	5	0.8	>2.0		0.6
Carbon Steel	1	18	1	O_2	1
	2	6.6	0.5~0.8		1
	3	4.5	0.25~0.4		1
	4	2	0.15~0.2		1
	5	2	0.15~0.2		1
	6	1.8	0.10~0.15		1
	8	1.3	0.10~0.15		1
	10	0.9	0.10~0.15		1
	12	0.6	0.10~0.16		1
Aluminum	2	6.6	>1.5	N_2	0.6
	3	1.8	>1.5		0.6

4.5 Key Components Introduction—Handheld Cutting Process Library

1500W Cutting Parameters					
Material	**Thickness (mm)**	**Speed (m/min)**	**Pressure (MPa)**	**Gas**	**Cutting Height**
Stainless Steel	1	25	1	N_2	0.6
	2	7	1.4		0.6
	3	4	1.8		0.6
	4	2	1.8		0.6
	5	1.3	2		0.6
	6	0.7	2		0.6
Carbon Steel	1	25	1	O_2	1
	3	4	0.12		1
	6	1.6	0.14		1
	8	1.2	0.14		1
	10	1	0.16		1
	12	0.8	0.18		1
	14	0.6	0.2		1
	16	0.5	0.05		1
Aluminum	1	16	1.2		0.6
	2	6	1.4		0.6
	3	2.5	1.8	N_2	0.6
	4	1.3	2		0.6
Brass	2	4	1.6		0.6
	3	1.5	1.8		0.6
Red Copper	2	2	1		0.6

4.6 Key Components Introduction—Clean Process Library

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	Material	Scanning Width (mm)	Scanning Speed (mm/s)	Laser Power (W)
Cleaning Mode	Stainless Steel	30	250	1200
	Carbon Steel	30	250	1200
	Aluminum Alloy	30	200	1500
	Red Copper	30	150	1500
	Galvanized Alloy	30	250	1200

4.6 Key Components Introduction—Parameters

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CO_2 Laser Cutting		
Material/Power	SF1390 (Max 130W)	SF1390 (Max 80W)
Acrylic	30 mm	30 mm
Plywood	24 mm	24 mm
MDF	10 mm	10 mm
Engraving-Engraving Speed		
	SF1390	SF1390
Engraving Speed	600 mm/s	600 mm/s
Fiber Laser Cutting		
Material/Power	800W	1200W
Carbon Steel	Max 8mm	Max 12 mm
Stainless Steel	Max 5mm	Max 6mm
Aluminum Alloy	2 mm	4 mm
Brass	2 mm	3 mm
Welding--Plate Thickness (With Wire Feeding)		
Material/Power	800W	1200W
Stainless Steel	2 mm	3 mm
Carbon Steel	3 mm	4 mm
Laser Cleaning		
Cleaning Width	30 mm	30 mm
Cleaning Speed	250mm/s	250mm/s
Blue Laser Cutting		
Model	40W	60W
Cuttitng Thickness	Max 20mm	Max 25mm

5.1 Configuration List—Component List

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No.	Item	Quantity	Brand	Model
I	**Welding Workstation**			
1	Laser + Welding Head	1		Compatible
2	Operating System	1	SF	Compatible
3	Sheet Metal Safety Enclosure	1	SF	Compatible
II	**Table Platform**			
1	Workbench + Safety Enclosure	1	SF	Compatible
2	Mobile 3-Axis Module	1	SF	Compatible
3	CO_2 Module	1	SF	Compatible
III	**Control System**			
1	Welding System	1	SF	Compatible
2	Motion Control System	1	SF	Compatible

6.1 Performance Comparison—Itemized Comparison

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Machine Comparison		
Laser Power	800W/1200W/1500W	1200W
Function	Welding / Cutting / Rust Removal & Cleaning / CNC Metal Cutting / Non-metal Cutting	Welding / Cutting / Rust Removal & Cleaning / CNC Metal Cutting
Cutting Thickness	Metal up to 14mm / Non-metal up to 30mm	Laser up to 10mm
Max Woking Speed	700mm/s	400mm/s
Fiber Length	up to 10 m	5 m
Acceleration	1G	0.1G
Guide Rail	Linear Guide Rail	Optical Shaft Guide Rail
Software	Professional Industrial Control Software	DIY Control Software
Weight	527 kg	185 kg

7.1 Equipment Advantages—Key Benefits

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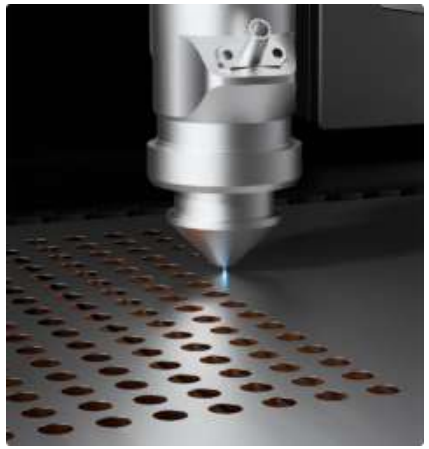
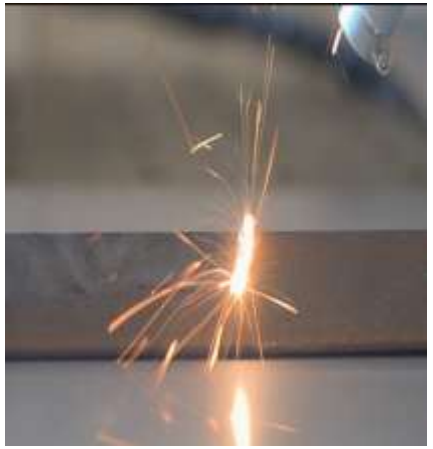
- Laser Welding
- Laser Cutting
- Laser Cleaning
- CO_2 Engraving
- CO_2 Cutting
- Blue Laser Cutting
- Blue Laser Engraving

7.1 Equipment Advantages—One Machine, Eight Processing Methods

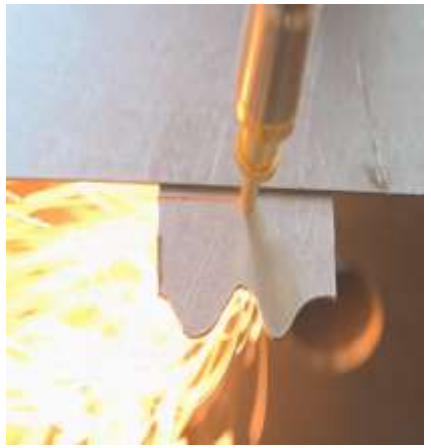


Laser Cutting

Laser Welding



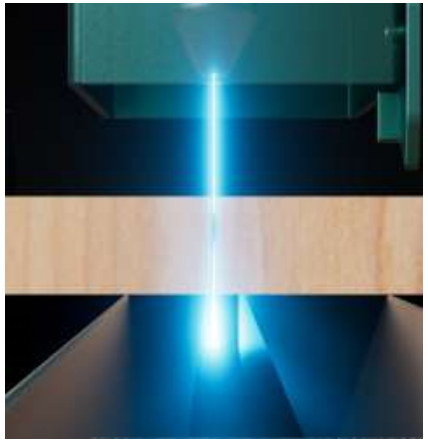
Laser Cleaning



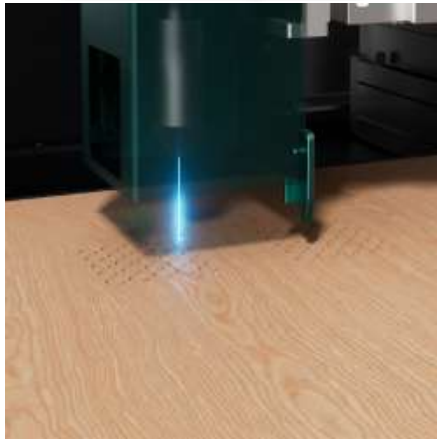
Handheld Cutting

CO_2 Cutting

CO_2 Engraving



Blue Laser Cutting



Blue Laser Engraving

7.1 Equipment Advantages—Key Benefits

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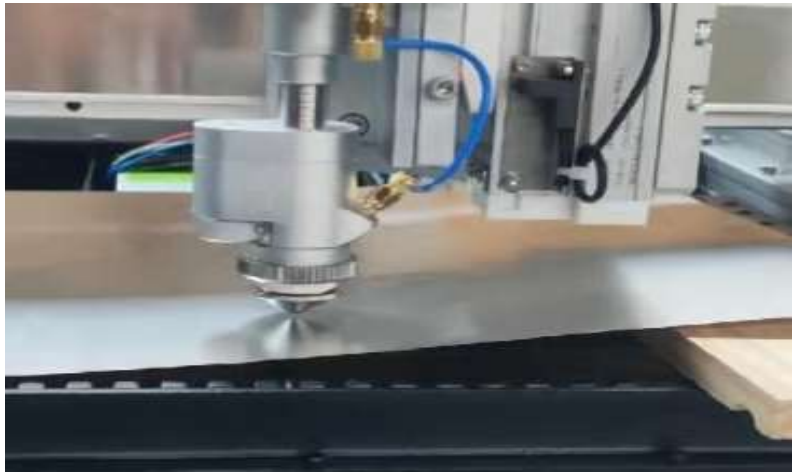

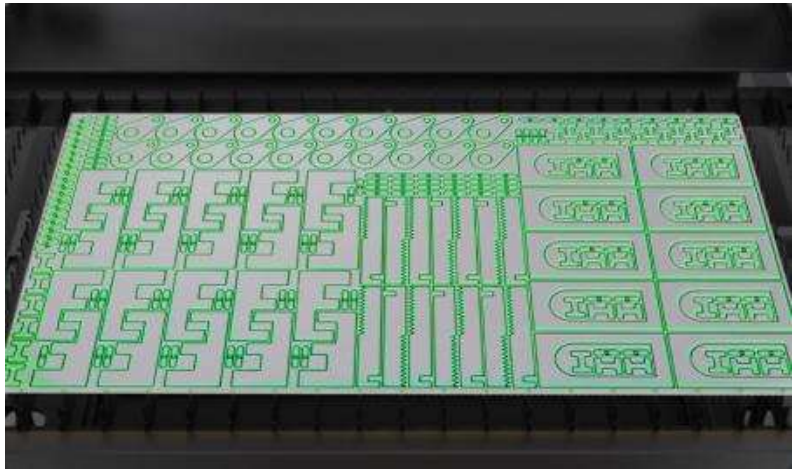

30-second Quick Change

Modular Design: By swapping the laser head (fiber/CO_2) and adjusting the parameters, cutting, welding, cleaning, and engraving modes can be switched quickly.

Automatic Obstacle Avoidance

When encountering obstacles, the path can be automatically adjusted to prevent collisions, reducing production interruptions caused by manual intervention, improving operational efficiency, and ensuring workplace safety.

Industrial-Grade Embedded Software

Utilizing efficient algorithms—such as automatic nesting, common-edge cutting, and leftover material splicing—this software maximizes sheet material utilization. It is particularly suitable for parts with complex shapes, enabling material savings of 15%–30%.

7.1 Equipment Advantages—Key Benefits

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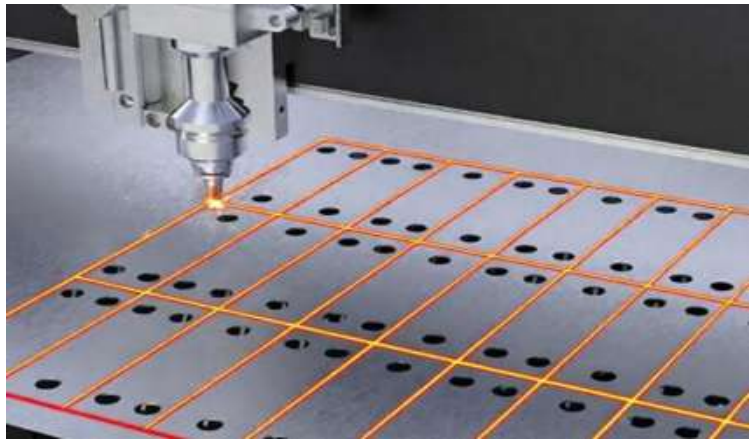


Common-Edge Cutting for Material and Time Savings

Traditional independent cutting requires leaving a cutting allowance (typically 0.2–0.5 mm per edge). Common-edge cutting, by sharing cutting lines, eliminates redundant areas and can increase material utilization by 10%–25%.

Seamless Micro-Joint for Deformation Prevention and High Precision

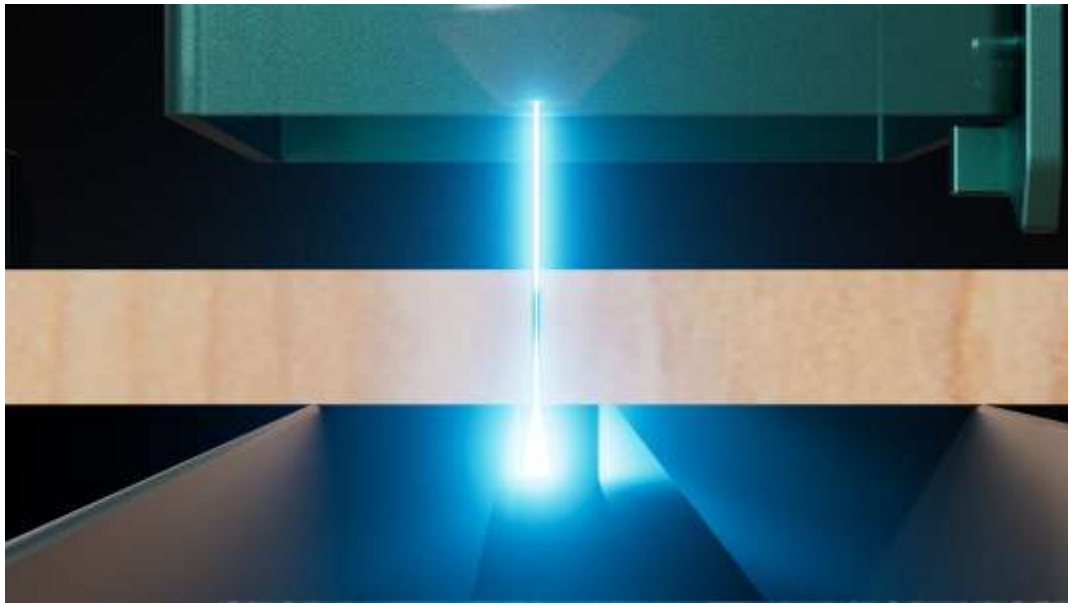
When cutting complex contours, micron-level micro-joints are reserved to maintain the overall structural stability of the material. This prevents deformation or displacement of thin sheets (0.1–1 mm) caused by stress release during the cutting process.

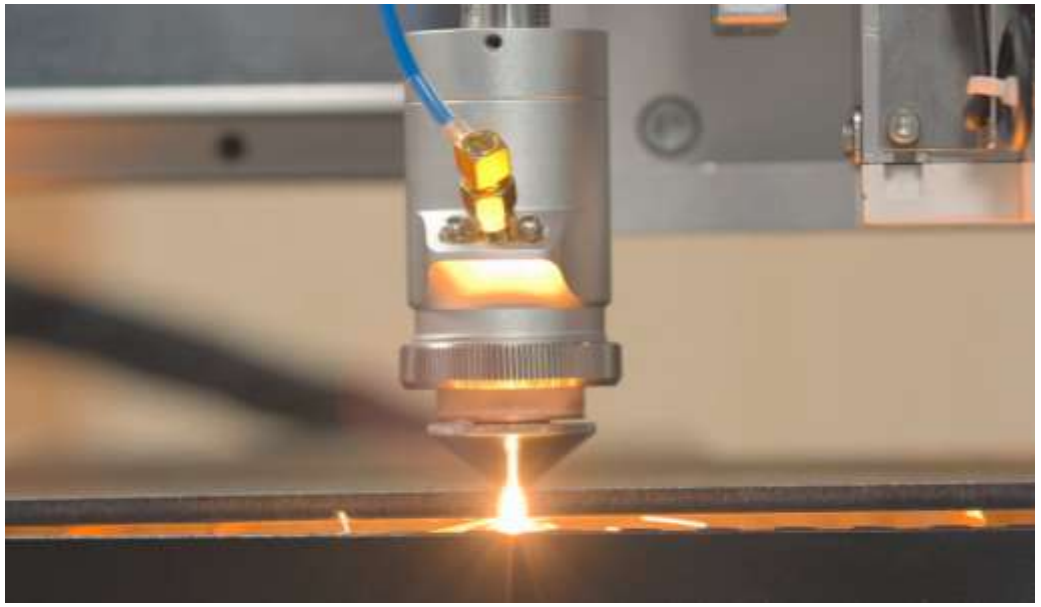
Intelligent Continuous Cutting to Boost Production Efficiency

With a nonstop cutting process, idle time is minimized, allowing an entire sheet to be processed in a single positioning. The cutting head does not need to return to its original position after each operation, enabling rapid repositioning and continuous cutting, significantly shortening delivery cycles.

7.1 Equipment Advantages—Key Benefits

SENFENG





High Cutting Power

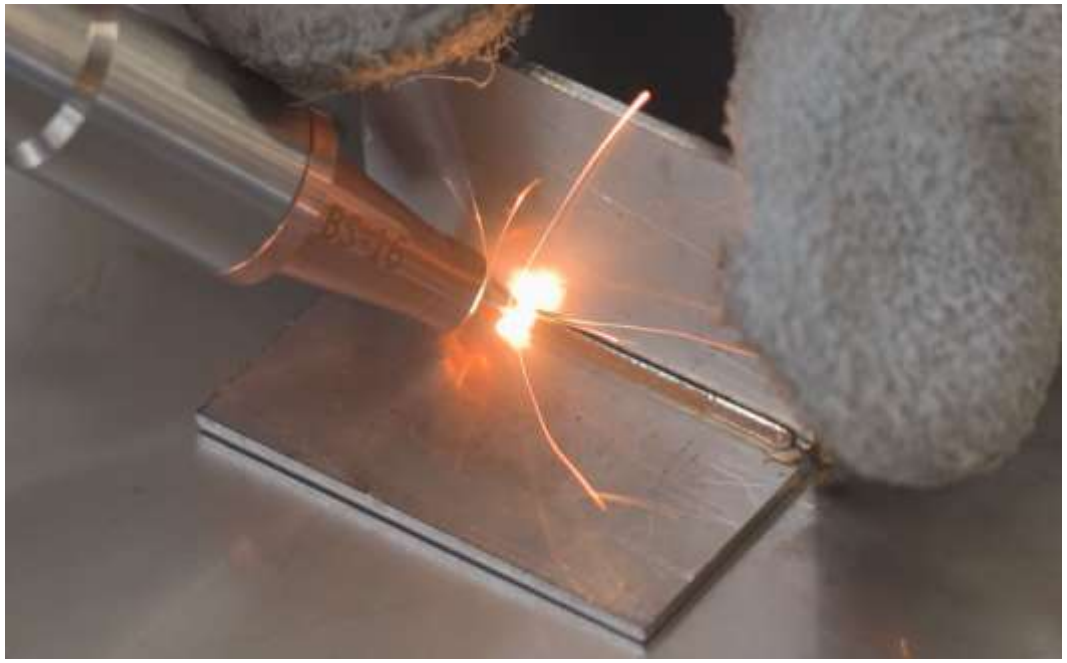
Capable of cutting carbon steel up to 10 mm thick and wood up to 25 mm thick.

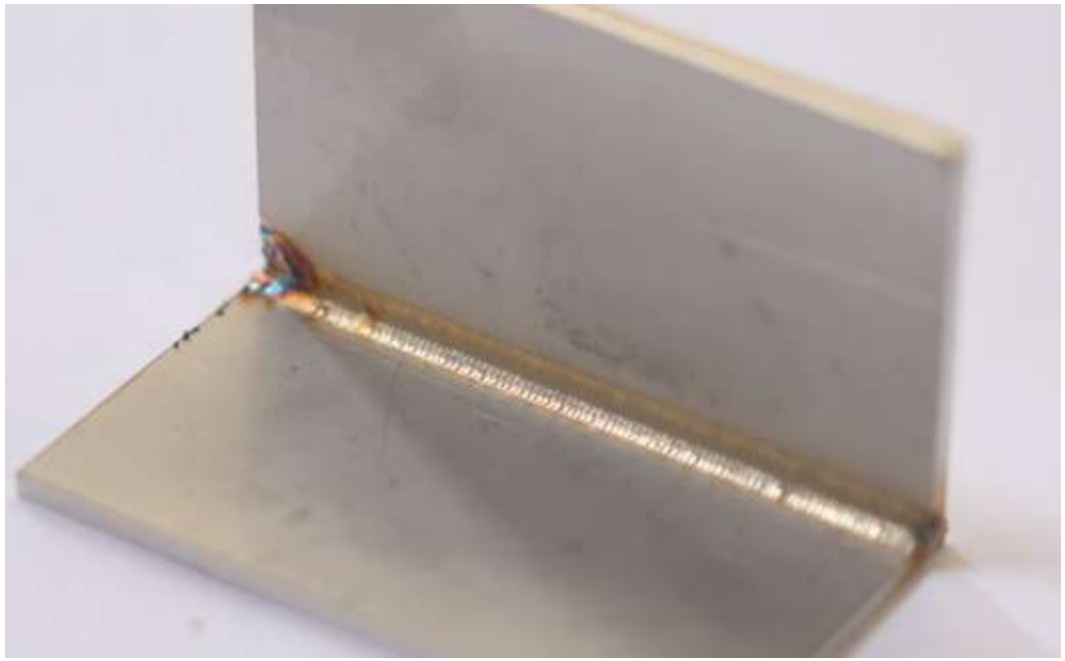
Laser cutting efficiency increased by 300%.

Cutting accuracy: 0.02 mm.。

7.1 Equipment Advantages—Key Benefits

SENFENG





Strong Welding Capability

Welding speed is over 5 times faster than traditional TIG welding.

Aerospace-grade 0.1 mm weld bead forming technology.

7.1 Equipment Advantages—Testing

-10℃
Low Temperature

40℃
High Temperature

9.1 Production Implementation—Site Requirements

SENFENG

No.	Item	Description	Requirement	Remarks
1	Power Supply	Two-wire system	Voltage: 220V ±5% / 50Hz / 60A Grounding resistance ≤4Ω	For overseas installations, a transformer may be required depending on local conditions
2	Gas	Argon, Nitrogen with purity ≥99.9%		Bottled gas should be equipped with a cylinder pressure regulator (select according to supplier requirements)
3	Working Environment	Temperature Requirement	-10~40℃	In winter, if temperature is below freezing, antifreeze is required
		Humidity Requirement	≤70%	
		Foundation Requirement	Flat site, no strong vibrations	Must build foundation according to supplier drawings

10.1 Price

SENFENG

Model	F900	F900 pro	F900 max
Configuration	80W Co_2+800W Fiber	130W Co_2+1200W Fiber	130W Co_2+1500W Fiber
Packing List	1300mm*900mm CNC Worktable*1/CO2 laser module*1/Fiber laser module*1/weld Wire feeder*1/Tool box*1/Material package*1/Laser protection glasses*1/Consumables package*1		
Price (FOB)	$ 11,500	$ 13,500	$ 14,900

11.1 Quality Certification—Test Reports

SENFENG

SENFENG's fiber laser machines have passed CE from TÜV,ROHS,FDA,ETL certificates, which is in line with European and American standards.

12.1 Product After-Sales—Star-Rated Service

SENFENG

High efficiency

24 hours a day (mainly for international), 7 days a week, 365 days a year at any time to receive repair calls;

Within 10 minutes, technical engineers will consult, fix maintenance plan in one hour, and send engineers in one working day.

After-sale service

The seller provides one time free installation and training in buyer's factory. Seller pays for the airplane tickets and salary for engineers, buyer should provide accommodation and food to engineers.

The seller will provide technical guide's e-mail, telephone, WeChat, WhatsApp and so on.

The seller should pay for the travel expense if local service needed within warranty time.

Warranty

The warranty of laser source is 1 year.

The warranty of the machine is 1 year（main spare parts）,except for the consumable parts such as ceramic ring, focus lens, nozzle etc. Warranty counts from the date marked on the label of the laser source and machine.

Except the damage artificially, seller is responsible for offering the fittings free of charge during the warranty period.

Exceeding the warranty period, parts need to be repaired or changed, shall be paid.

12.2 Product After-Sales—Star-Rated Service

SENFENG

Worry-free

Pre-sale service: theoretical + practical operation training, self-diagnosis training for common faults, guidance for quick repair of difficult faults, and warning of matters needing attention in use;

Regular service: regular maintenance reminder, regular door-to-door service, regular promotional activities;

Value-added services: equipment software and hardware upgrading services, financial leasing services, delayed warranty service.

Field Service

Our branches in United States, Germany, India, Pakistan, Serbia provide localized services and technical support for global customers.

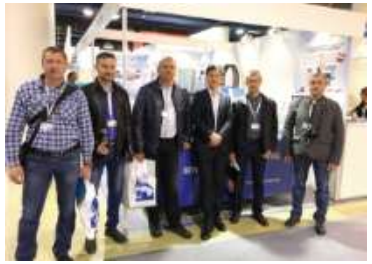
Service Oriented and Customer First

12.3 Product After-Sales—Customer Testimonials

SENFENG

12.4 Product After-Sales—Exhibition Highlights

SENFENG



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LASER

12.4 Product After-Sales—Contact Us

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Website: www.senfenglaser.com

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