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### Hand Held Laser Welding Machine (Model: FSC001)



## Technical parameter

QBH Connector Type: QBH

Laser Incident Mode: Coaxial

Max Power: 1500W

Laser Wavelength Range: 1070±20

Collimating Length: 50mm

Focusing Length: 80mm 120mm

Adjustable Width: 0–4mm

Protective Gas: Coaxial

Gross Weight: 1.36kg



### **Standard Features**

- 1.This welding head could be widely used in complex and irregular welding process such as cabinets, kitchen, staircase, shelf, gridiron, stainless steel door and window guardrail, distribution box, stainless steel furniture and other industries. It is a perfect replacement of traditional argon arc welding, in welding thin stainless steel plate, iron plate, aluminium plate and other metal materials.
- 2.Smart internal design and interactive control system expand the tolerance range and welding width of the processing parts, and solve the disadvantage of minor laser welding spot, and provide better welding forming.
- 3.Light shape, Ergonomic design, advanced structure, and reliable performance ensure comfort grip and simple operation.
- 4.Nice welding seam, fast welding speed, no consumables, no welding marks, no discoloration, no later polish.
- 5.This head could be equipped with a variety of angular nozzles to meet the welding needs of different products specifications

### Technical Parameter

Machine Model	FSC001	
System	Qilin/Gefasst	
Handheld Welding Head	Qilin/WOBBLE	
Laser	MAX	
Water Chiller	Teyu/Hanli	S&A brand
Wave Length	1070±20 nm	
QBH Connector TYPE	QBH	
Collimating Lens	50mm	
Focus Length	80/120mm	
Focus Length Range	0-4mm	
Protective Gas	Coaxial	
Voltage	220V	
Head Gross Weight	0.8kg	

No	Material	Output Power (W)	Max welding thickness (mm)
1	Stainless Steel	1000	2
2	Stainless Steel	1500	4
3	<b>Stainless Steel</b>	<b>2000</b>	<b>6</b>
4	Stainless Steel	3000	8
5	Mild Steel	1000	2
6	Mild Steel	1500	4
7	<b>Mild Steel</b>	<b>2000</b>	<b>6</b>
8	Mild Steel	3000	8
9	Aluminium	1000	2
10	Aluminium	1500	3
11	<b>Aluminium</b>	<b>2000</b>	<b>4</b>
12	Aluminium	3000	5