



Angel India Cad Cam Pvt. Ltd.

Angel India

3 in 1 Machine



Cutting

Welding

Cleaning

Plot No. 38/4 Near Tikri Kalan Metro Station, Rohtak Road, Tikri Kalan, New Delhi - 110041

Contact Details: 09711610967; Email Id: info@angelindiaimpex.com; Website: www.angelindiaimpex.com

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Average output power:

1000W / 1500W / 2000W



Handheld and flexible



High efficiency and perfect effect



Ai -F series

Fiber Laser Welding Machine

Machine including:

Protective lens for welding*5pcs;

Nozzle*8pcs;

Gloves*1 pair.

Laser safety glasses*1 pair

12 month for whole machine and 2 years for the laser source, lifetime technical support

Material application:

Welding of stainless steel, carbon steel, galvanized sheet, aluminum sheet and other metal materials.

Processing methods:

Laser Welding.

Power :

1500W.2000W.



Ai-F series handheld laser welding machine is a new generation of laser welding products. The laser use high-quality laser source. The whole machine adopts integrated design, beautiful appearance and stable performance, easy to install and simple to operate , High safety.

The characteristics include fast welding speed, high efficiency, good welding effect, less welding consumables, long life and environmental protection. It can be widely used in kitchen appliances, door and window guardrails, staircase elevators, stainless steel furniture, metal sheet metal, and advertising Welding in industries such as brand, craft gifts, auto repair, auto manufacturing, rail transit and aerospace.

Ai-F series handheld laser welding machine standard wire distribution machine reduces the requirements of parts for gaps and further improves the welding quality. It can also be used in conjunction with a collaborative robot to fix the welding torch on the collaborative robot to reduce the labor intensity of the operator and improve the welding quality of the weld.



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PRODUCT FEATURES

- The internal design is dexterous, and the good interactive control system expands the tolerance range of the processed parts and the width of the weld seam, solves the disadvantage of small light spot, and makes the weld seam better;
- The shape is light, the design method of body engineering is adopted, and the grip is comfortable; it is easy to control with one hand, and the operation is simple and easy to use;
- With multiple safety alarms, the light will be automatically locked after the workpiece is removed, and the safety is high;
- Beautiful welding seam, fast speed, no consumables, no welding marks, no discoloration, no need for later polishing;
- A variety of angle nozzles can be configured to meet the welding needs of different products.

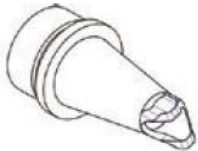

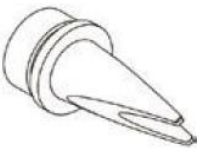
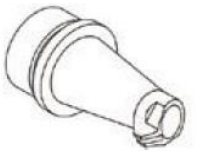
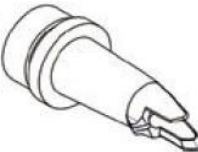

PRODUCT PARAMETER

Model series	AI - F Series		
Model	Ai-F 1000	Ai-F 1500	Ai-F 2000
Output power	1000W	1500W	2000W
Laser wavelength	1080±5 nm		
Operating mode	Continuous / Modulation		
Power adjustment range	10 ~ 100%		
Fiber core diameter	50 (25, 100, 200 optional)		
Aiming and positioning	Red light		
Fiber length	10 m		
Welding speed	0 ~ 120 mm/s		
Applicable thickness	< 3.5mm (depending on the material)		
Wire feeder	Standard wire feeding speed 38~600mm/min		
Wire feed diameter	0.8/1.0/1.2/1.6mm		
Cooling way	Water cooling		
Working environment	10~40°C, humidity 10~85%, no condensation		
Rated power	5KW	7KW	9KW
Operating Voltage	220V, 50/60Hz		
Dimensions	840X540X680 mm		
Total Weight	About 160kg		

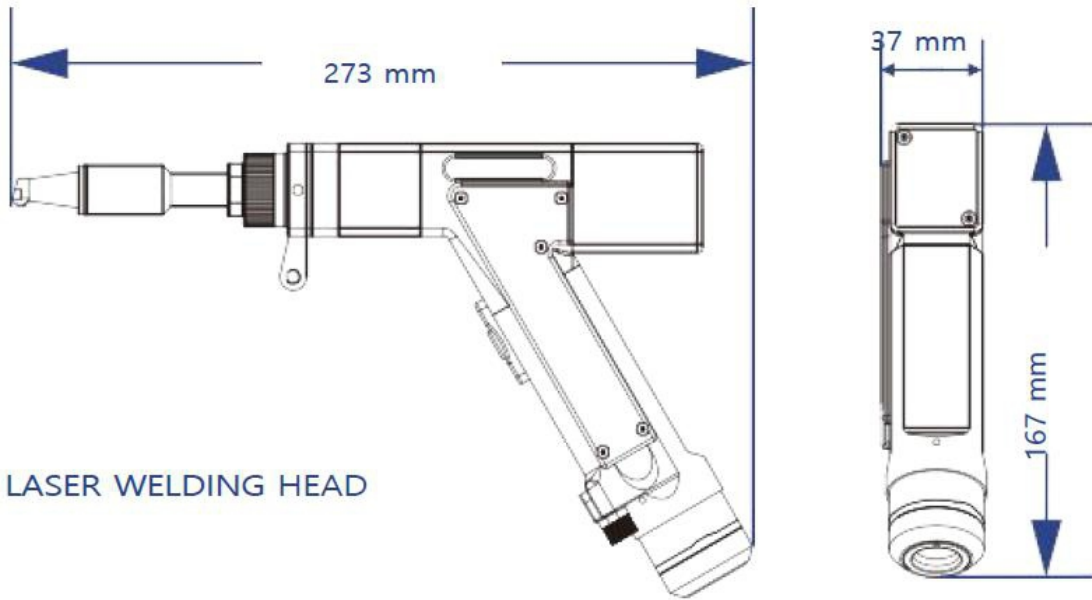
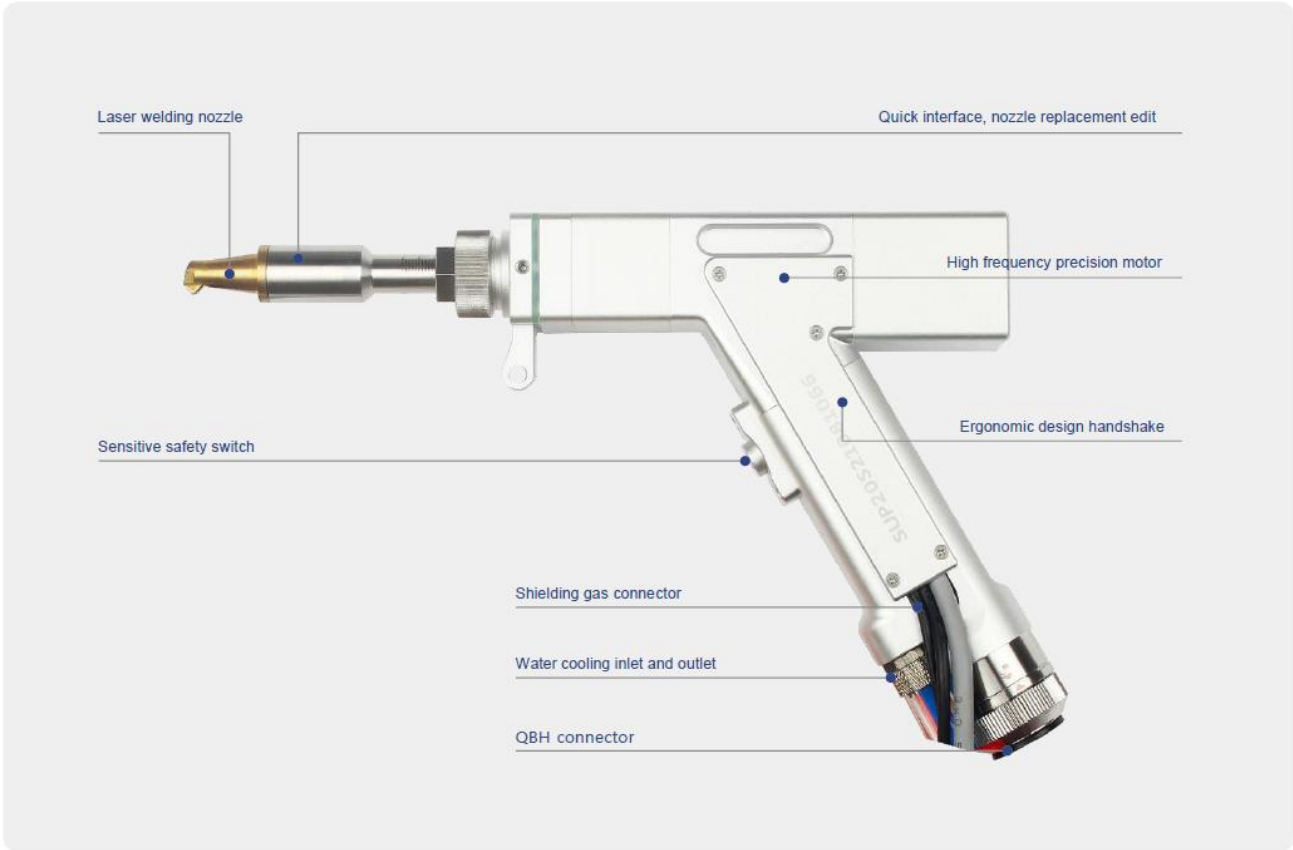
Website: www.angelindiaimpex.com

Laser Welding nozzle



 <p>Name: Copper Mouth Number: A Remarks: no wire feeding</p>	 <p>Name: Copper Mouth Number: B Remarks: no wire feeding</p>	 <p>Name: Copper Mouth Number: C Remarks: no wire feeding</p>	 <p>Name: Copper Mouth Number: AS-12 Remarks: 0.8/1.0/1.2MM</p>	 <p>Name: Copper Mouth Number: BS-16 Remarks: 1.6MM</p>
 <p>Name: Copper Mouth Number: CS-12 Remarks: 0.8/1.0/1.2MM</p>	 <p>Name: Copper Mouth Number: DS-12 Remarks: 0.8/1.0/1.2MM</p>	 <p>Name: Copper Mouth Number: ES-12 Remarks: 0.8/1.0/1.2MM</p>	 <p>Name: Copper Mouth Number: FS-16 Remarks: 1.6MM</p>	

Welding head





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Wire Feeder



Cutting



Welding



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