



地平线激光

HORIZON LASER

Horizon Laser is a new high-tech enterprise focus on integrating technical services, technology promotion, laser equipment modular design and sales. The company is mainly committed to promoting laser processing technology and popularizing laser applications and reducing the information asymmetry of the client, and strive to achieve: let every customer buy it clearly and use it with confidence.

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Hand-held Laser Welding Machine

The hand-held laser welding machine adopt a fiber laser source and transmit high-brightness laser through the fiber, obtain a high energy density output through the hand-held welding head. It is used for welding stainless steel, low carbon steel, aluminum alloy and other materials, and the operation is flexible and convenient.

The hand-held laser welding machine is integrated with fiber laser source, hand-held welding head, chiller, wire feeder, laser control system, and safety light emitting system. The overall design is small, beautiful, and easy to move. It is convenient for customers to choose a working place without being limited by space and scope. This machine can be used for welding applications in billboards, metal doors & windows, sanitary ware, cabinets, boilers, frames and other industries.



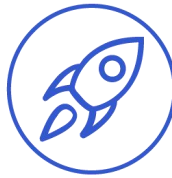
➤ Welding Performance

Recommended Welding Thickness for Different Materials			
Model	DPX-W1000	DPX-W1500	DPX-W2000
Stainless Steel	≤3.0mm	≤4.0mm	≤6.0mm
Mild Steel	≤3.0mm	≤4.0mm	≤6.0mm
Galvanized Sheet	≤2.0mm	≤3.0mm	≤5.0mm
Aluminum Alloy	≤2.0mm	≤3.0mm	≤4.0mm
Brass	≤2.0mm	≤3.0mm	≤4.0mm
Note: The above is the maximum processing capacity of each model.			

Six Core Advantages-Subvert your welding view !



Subvert traditional efficiency



Wide adaptability of materials

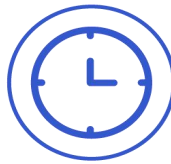


One-time molding

1. The welding speed is 4 times faster than argon arc welding. The laser power and welding width are adjustable.
2. The welding is firm and the weld bead is smooth.
3. Compatible with different metal welding, no need for secondary grinding.



Energy saving and environmental protection



Long life



Safe and reliable

4. Low power consumption, less smoke and dust, basically no consumables.
5. 100,000 hours of lifetime, no power attenuation.
6. Multiple light protection measures, worry-free operation.

Save at least 2 welders per year !

Automatic welding can be realized by matching tooling or robot arm.

➤ Technical Parameters

Model	DPX-W1000	DPX-W1500	DPX-W2000
Laser Source Type	CW fiber laser source (Wavelength: 1080±3nm)		
Output Power	1000W	1500W	2000W
Power Adjustment Range	10% ~ 100%		
Welding Mode	Continuous Welding, Spot Welding		
Adjustable Weld Width	0.2 ~ 5 mm		
Torch Cable Length	About 7.5m		
Torch Weight	< 1.2 kg		
Dimensions (L*D*H)	1200*600*1300mm		
Net Weight	230kg		250kg
Power Consumption	<5kw	<7kw	<9.5kw
Operating Voltage	Single-phase 220VAC/ Three-phase 380VAC		
Working Environment	Temperature: 0 ~ 40°C、 Humidity<70%		
Safety Light Emission System	1. Safely earth lock: the welding head can control the light emission only when the welding head touches the work-piece. 2. Gas detection: The alarm red light will indicate when the gas cylinder is not opened or the gas flow is low. 3. Welding gun firing button and laser shutter, double insurance to emit light.		

➤ Application Samples

