

IWELDer Standard Industrial Welding Workstation

PRODUCT DESCRIPTION

- ▶ This machine adopts 500-2000 watt fiber laser, which has high electro-optical conversion efficiency and long laser life;
- ▶ The laser beam quality is very good, the welding speed is fast, is more than 5 times the speed of the traditional optical fiber transmission laser welding machine, the weld is fine, the depth is large, the taper is small, the precision is high, can fully meet the needs of users in different industries, and the welding is firm. Smooth and flat;
- ▶ The whole machine has low energy consumption, maintenance-free, high stability, and long-term use can save users a lot of processing costs;
- ▶ The control system is a professional four-axis control system

specially designed for laser welding .It is powerful PC control, easy to program, debug and maintain. It can complete automatic or semi-automatic spot welding, butt welding, lamination welding and sealing welding .Complex flat lines, arcs and any trajectory welding; high stability , strong scalability , easy to learn and easy to use.



PRODUCT FEATURE

- ▶ Equipped with three-axis automatic workbench, large workbench, platform XY dual-axis electric module, Z-axis with power-off brake motor, can be equipped with rotating shaft, can realize three-dimensional laser welding for special-shaped three-dimensional products, fast speed, life Long precision;
- ▶ Optional configuration time splitting or energy splitting, suitable for different processing applications, multi-station processing applications, can be widely used in spot welding, continuous welding and flexible processing industries such as laser welding.
- ▶ Can be customized automatic fixtures, can be combined with assembly lines, photoelectric sensors, pneumatic fixtures and other combinations for automatic processing, to achieve mass.

PRODUCT APPLICATION

- ▶ **Bathroom industry:** water pipe joints, reducer joints, tees, valves,
- ▶ **Battery industry:** lithium batteries, battery packs, laser welding of electrodes,
- ▶ **Glasses industry:** stainless steel, titanium alloy and other materials for the buckle, frame and other positions precision welding,
- ▶ **Hardware industry:** impeller, kettle, water cup, stainless steel bowl, sensor, diode, aluminum alloy, mobile phone battery, door handle, shelf and so on.

TECHNIQUE INDEX

GTWELDer Standard Industrial Welding Workstation				
Laser Device	Continuous Fiber Laser/Quasi-CW Fiber Laser Optional			
Laser Wavelength	1070nm±5nm			
Average Output Power	500W	1000W	1500W	2000W
The Minimum Spot	0.1mm			
Fiber Length	5m			
Cold Power of Cold Water mechanism	1.5P			
Demand for Electricity	220V±5V 50Hz/40A			
Range of Electric Working Table	300×300×500mm			
External Dimensions/Net Weight	Host Computer 1050*500*900mm		175kg	
	Cooling-water Machine 550*550*850mm		80kg	
	Workbench 1000*700*1550mm		220kg	

