

Multi-Function Optical Fiber Laser Welding Machine

Model:PE-W2000D



- ◆ 1.Laser, known as the stimulated emission of light amplification, the English full name: Light Amplification by Stimulate Emission of Radiation; referred to as: Laser. It is a new light source, which has the coherence, monochrome, directional and high output power and other characteristics, is the other light can not match.
- ◆ 2.Laser welding is the use of laser beam excellent directional and high power density and other characteristics to work. Through the optical system to gather the laser beam in a small area, in a very short period of time, so that the welding is the formation of a highly concentrated local heat source area, so that the welding material melting and the formation of solid solder joints and welds.

- ◆ 1.PE-W1000D laser welding machine is YAG type pump source, the use of optical fiber laser welding machine. It is in the equipment shape, structure and suitable for the operation of the man-machine interface based on the effectiveness of human nature and work has a lot of new ideas.
- ◆ 2.The equipment adopts industrial integrated design, compact structure and beautiful, with a good beam mode, energy concentration, stable performance, the use of reliable, fast welding, wide range of welding, consumables long life and other

Item	Fiber Optic Welding Machine
Input	380V 40A
Fiber length	5m
Laser wavelength	1070 um
Peak output power	100W-2000W adjustable
Focal spot diameter	0.2-3mm
X,Y axis stroke	X*Y=300mm*300mm
Platform size	X*Y=400mm*400mm
Moving speed range	0-50mm/s
Reset precision	0.03mm
Positioning accuracy	Less than 0.025mm
Z axis	Electric lifting height 200 mm
Display	Coaxial CCD LCD monitor
Positioning mode	Red Light
Light way out	Automatic
Cooling System	Over temperature alarm, flow protection, water level protection.
Control system	IPC CNC2000 control software

Name	Type/description	Manufacturer	Qty
Laser	Imported gold cavity	Perfect laser	1set
Crystal	Ø155*8/high grade	11 Research institute	1set
Xenon lamp	Ø8*150*300	Research institute	2pcs
Optical fiber	0.6mm Core diameter	Mitsubishi	1pcs
Pump power	Double pulse laser power supply	Wuhan Valley	1set
Cooling-water machine	3P industrial refrigeration system	Wuhan hanli	1set





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