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Industrial Robot Laser Welding System



4-Axis Automatic Welding Station



New Dedign Handheld Fiber laser welding machine

Item No.: PES-W2000



New Design of Handheld Fiber Laser Welding Machine

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DESCRIPTION



Unskill worker can get started in 10 minutes,The welding speed is 4-10 times that of traditional welding, saving 3-5 professional works.
 Concentrated energy, low thermal deformation, beautiful welding seam, deep penetration, high strength, can weld thin materials, can be welded by filler wire, or welded without wire.

High professional and technical requirements, high wages for workers, occupational diseases, large body injuries, slow welding speed, low efficiency, large heat influence and easy deformation, thick and irregular welds, requiring secondary polishing, large limitations, and can not weld too thin materials.

	Traditional welding	Handheld Laser welding machine
Welding speed	Common	4-10x faster
HeatAffected zone	large	small
Deformation	large	small
Bond strength with base material	Common	Excellent
Subsequent processing	Polish	No or very little polish
Consumables	any	Little



adjustable welding mode | 100 | six mode

PES-W1000 Laser Welding Capacity

Material	Thickness	Thickness	Thickness
	Single side weld	Double side weld	Wire weld
Stainless steel	3mm	6mm	2.5mm
Galvanized steel	3mm	6mm	2.5mm
Mild steel	3mm	6mm	2.5mm
Titanium alloy	3mm	6mm	2.5mm
Aluminum	2mm	4mm	1.8mm
Copper	1mm	2mm	0.8mm





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