Laser Welding Solution ▸ Handheld Welder Series

Handheld Laser Welder

Penta Laser Handheld Laser Welder is an efficient and stable laser welding system that simplifies metal joining. Its specialized beam produces fine, smooth welds and is compatible with a wide range of metallic materials. Offering high welding speed with minimal heat distortion and narrow heat-affected zones, it eliminates the need for post-processing. The water-cooled welding head ensures stable performance during prolonged continuous operation, delivering both high efficiency and reliability.



Characteristics

- Special beam for fine, smooth welds on various metals.
- Fast welding with minimal heat distortion and narrow heat-affected zone.
- Water-cooled welding head ensures stable long-term operation.

Technical Parameters

Model	**SWAN HW 1000/1500/2000/3000/3000PRO**
Laser Power(W)	1000 / 1500 / 2000 / 3000
Power Regulation(%)	10 ~ 100
Output Fiber Core Diameter(μm)	50
Cable Length(m)	> 9
Cooling Method	Water-cooled
Welding Head Model	Single Axis / Dual Axis Oscillating Welding Head
Equipment Size (mm)	1088 × 726 × 1012

Applications


Kitchen cabinets & appliances


Storage racks & display shelves


Advertising models & signage


Guardrails & handrails


Enclosures & cabinets


Copper-wood furniture


Doors & windows


Elevators & escalators