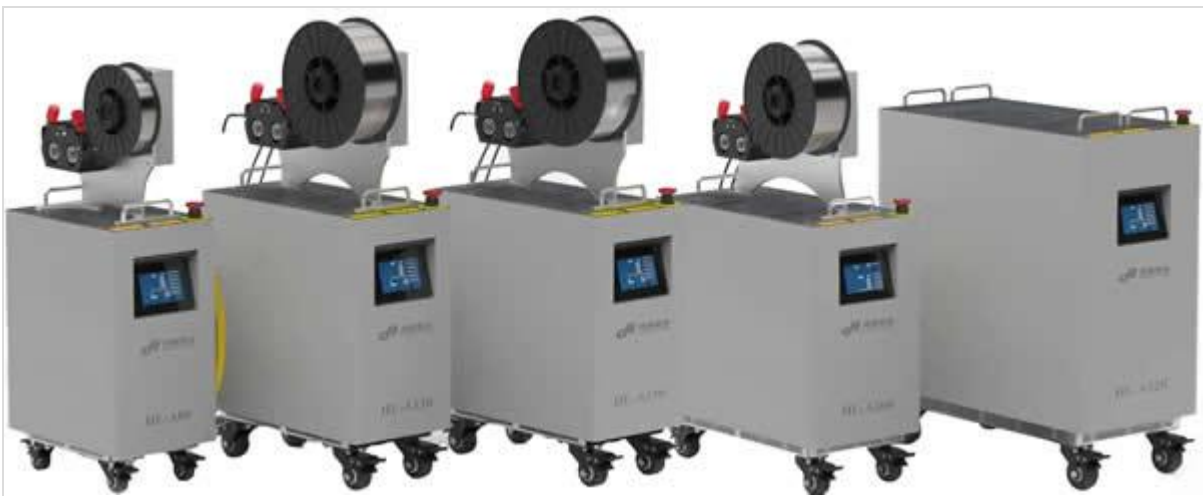


## Air-cooled handheld laser welding machine

Sintec Optronics Air-cooled Handheld Laser Welding Machine is an efficient, accurate and portable welding tool. With its unique design and functions, it plays an important role in the industrial field. This product adopts the latest generation of fiber lasers and it's equipped with a self-developed welding head. It has the advantages of simple operation, beautiful welds, fast welding speed, no consumables, maintenance-free and low cost. It can perfectly replace traditional argon arc welding, electric welding and other processes in welding thin stainless steel plates, iron plates, galvanized plates and other metal materials. It is widely used in complex and irregular welding processes in industries such as cabinets, kitchens and bathrooms, staircase elevators, shelves, ovens, stainless steel doors, windows and guardrails, distribution boxes, and stainless steel homes.



### Main features:

<sup>2</sup>Small size, light weight, welding machine and wire feeder integrated, easy to carry and move, comfortable grip, simple operation;

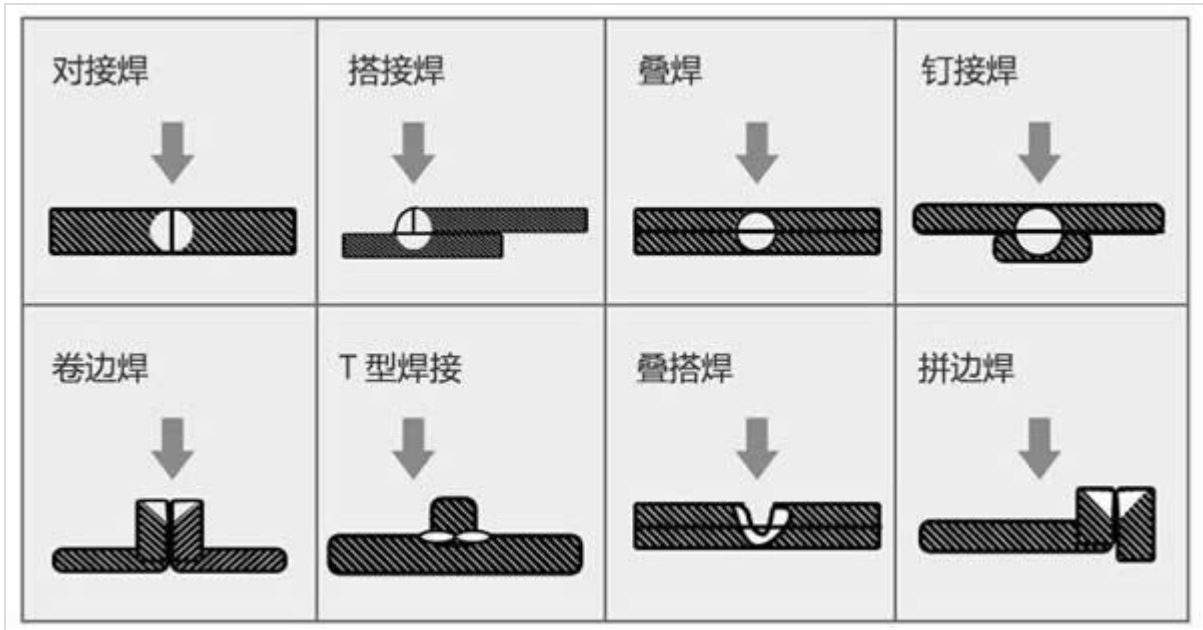
<sup>2</sup>The operation interface is simple and easy to understand, equipped with an intelligent control system, supports multiple welding modes, and meets various welding needs;

<sup>2</sup>Beautiful welds, fast speed, no weld marks, no discoloration, and can be configured with nozzles of various angles to meet the welding needs of different products;

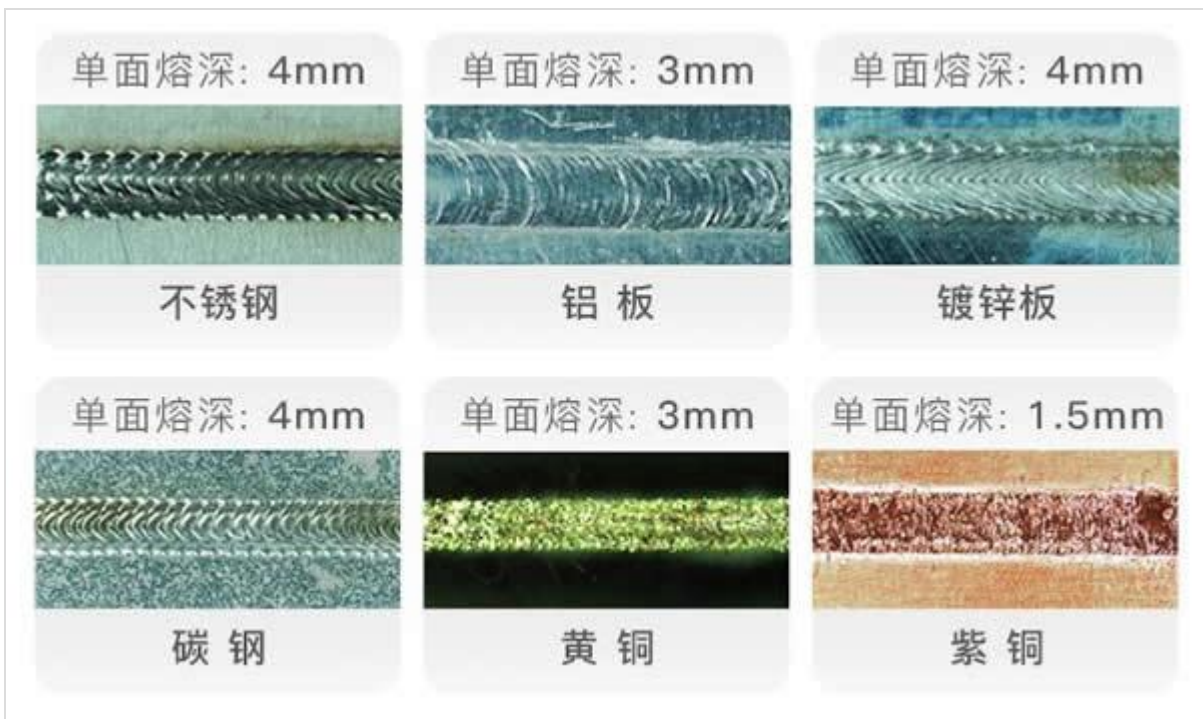
<sup>2</sup>Efficient cooling, aerospace-grade heat dissipation technology, can continuously output full power, stable and reliable operation;

<sup>2</sup>Safer operation, equipped with a safety circuit to avoid mis-emitting light, low power consumption, energy saving and environmental protection;

Can weld the workpieces at any angle



Applicable to a variety of metal welding materials, the maximum welding depth can reach 4mm



### Main technical parameters

Model	HL-A80	HL-A120	HL-A150	HL-A200	HL-A320
Limit power	700W	1000W	1300W	1800W	3000W
Maximum power	800W	1200W	1500W	2000W	3200W
Working mode	continuous/spot welding				
Polarization direction	Random				
Adjustable range of output power	10~100%				
Central wavelength	1080 ± 3nm				
Power attenuation after 1 hour of continuous operation	<2%				
Maximum modulation frequency	5Khz				
Indicates red light power	≥0.2mW				
Fiber core diameter	20μm				25μm
Armor length	standard configuration 5m				
Work voltage	AC 220V 50/60Hz				AC 380V 50/60HZ
Maximum power consumption	<2100W	<3100W	<4100W	<6000W	<9000W
Control method	display				
Size	273x614.9x39 6.3 mm	273x634.9x527 .7 mm	273x634.1x527. 7 mm	323x684.2x62 9 mm	373x877.2x758 mm
Machine weight	34kg	41kg	43kg	58kg	90kg