

本机主要由专用激光焊接头，四轴运动控制软件，三轴机器人模组组成；采用全封闭防激光辐射一体化设计；具备连续轨迹示教和远程控制功能，可附加同轴温度控制系统，可靠识别焊线中的异常和焊接温度。

This machine is mainly composed of a dedicated laser welding head, four-axis motion control software, and a three-axis robot module; it adopts a fully enclosed laser radiation protection integrated design; it has continuous trajectory teaching and remote control functions, and can be added with coaxial temperature control. The system reliably identifies any abnormalities in the welding line and welding temperature.

- 焊接区域焊缝浅，外观精美；
- 可焊接外形复杂的产品，适用于 3D 零件焊接；
- 可通过 CCD 视觉系统和温度探头进行在线监控；
- 焊接过程无树脂降解，焊接后可直接使用，无需清洗。
- Shallow welding area and exquisite appearance;
- Suitable for welding complex products and 3D parts;
- Online monitoring can be carried out through CCD vision system and temperature probe;
- No resin degradation during welding, and it can be used directly after welding without cleaning.



	PP	POM	PBT	PBT/ASA	PA6	PA6.6	PES	PSU	ABS	ASA	SAN	MABS
PP	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
POM	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PBT	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PBT/ASA	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PA6	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PA6.6	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PES	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PSU	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ABS	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ASA	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
SAN	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
MABS	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ABS/PA	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PS	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

广泛应用于医疗器械、塑料外壳、汽车塑料零部件、太阳能板、照明产品、进气歧管或液体容器等工件。

Widely used in medical equipment, plastic casings, automotive plastic parts, solar panels, lighting products, intake manifolds or liquid containers and other workpieces.

适用于 ABS、PP、PE、PA、PC、PS、PVC、PBT、POM、PET、PMMA 等热塑性材料及各种改性的工程塑料。

It is suitable for ABS, PP, PE, PA, PC, PS, PVC, PBT, POM, PET, PMMA and other thermoplastic materials and various modified engineering plastics.

性能 / 型号	Performance/model	SK-PLW50	SK-PLW100	SK-PLW200	SK-PLW400
最大输出功率	Max.Output power	50W	100W	200W	400W
激光波长	Wavelength	800-1000nm			
冷却方式	Cooling	风冷 Air		水冷 Water	
定位精度	Positioning accuracy	X/Y/Z 轴: ≤0.05mm; U 轴 :≤0.10			
运动速度	Movement speed	X/Y/Z 轴: 100mm/s; U 轴 :100rpm			
焊接线宽	Welding line width	0.5-3.0mm			
供电电源	Power supply	AC220V±10%/1PH/50Hz			
机器尺寸 (长 * 宽 * 高)	Machine size (L*W*H)	1250*700*1700mm			
机器重量	Machine weight	250Kg			