

光纤传输激光焊接机

FIBER TRANSMITTING LASER WELDING



产品介绍 Introduction

光纤传输激光焊接机具有“能量负反馈技术”，能维持机器稳定的加工状态，打造高品质的精密焊接。该系列焊接机由焊接主机和多种不同的焊接工作台配套组成，通过内部灵活的光学组合实现分时、分能量、多工位同时焊接，能经济的实现不同客户的需求。

The fiber-optic transmission laser welding machine has an "energy feedback technology" to maintain the stable processing state of the machine and create high-quality precision welding. This series of welding is composed of welding mainframe and a variety of different welding workbench. It realizes time-sharing, energy-dividing and multi-station simultaneous welding through flexible internal optical combination, which can economically realize the needs of different customers.

设备特点 Feature

- “能量负反馈技术”，实时处理反馈控制性能及波形控制功能，确保激光输出功率稳定，降低产品不良率。
- 激光通过光纤后的光斑变得更加均匀稳定，提升了焊缝质量。
- 可选配普通焊接头、手持焊接头、振镜系统的组合设计，在加工范围内实现点焊及缝焊。
- 可选配机器人、悬臂、CCD 摄像监视系统，实现特种焊接。
- “Energy Feedback Technology” ,real-time processing of feedback control performance and waveform control functions to ensure stable laser output power and reduce product defect rate.
- The laser beam becomes more uniform and stable after pass through the fiber which improve the welding quality.
- Optional combination of ordinary welding head, hand-held welding head and galvanometer system, spot welding and seam welding in the processing range.
- Optional robot, cantilever, CCD camera monitoring system for special welding.

应用行业 Application

广泛应用于光通信器件、IT、医疗、电子、电池、光纤耦合器件、显象管电子枪、金属零件、手机振动马达、钟表精密零件、汽车车灯等的精密焊接。

Widely used in optical communication devices, IT, medical treatments, electronics, batteries, fiber coupled components, CRT monitor electron guns, metal parts, cell phone motors, clock precision parts, automobile lamps, etc.

适用材料 Materials

适用于不锈钢、碳钢、铜、铝、金、银、铬、镍、钛、钽等多种金属或合金。  
Applicable to stainless steel, carbon steel, copper, aluminum, gold,silver, chromium, nickel, titanium, tantalum and other metals or alloys.

性能 / 型号	Performance/model	SK-FW200	SK-FW300	SK-FW500	SK-FW600
最大输出功率	Max.Output power	200W	300W	500W	600W
激光波长	Wavelength	1064nm			
冷却方式	Cooling	水冷 Water			
最大单脉冲能量	Max.single pulse energy	10-100%			
功率稳定性	Power stability	±0.5%			
工作模式	Working model	连续 Continue			
供电电源	Power supply	380V, 50Hz			

