

龙门飞行激光焊接机

GANTRY FLYING WELDING MACHINE



本机采用扫描振镜的方式把激光光束聚焦到工件上,轻便和高速动态的扫描振镜准确地在焊缝之间跳转,可以将更多的时间用于焊接和更少的时间来对下一个焊缝进行定位,为客户提高产量,减少投入成本.可选配旋转台,实现多个圆柱电池集流盘飞行焊接。

This machine adopts the galvanometer to focus the laser beam on the workpiece, and the light-weight, high-speed dynamic galvanometer accurately jumps between the weld seams, so that more time can be spent on welding and less time to position the next weld seam, which can increase production and reduce investment costs for customers. Also can choose optional rotary table, to enables flying welding of multiple cylindrical cell collector plate.

- 振镜扫描速度快, 范围大。
- 可选配扩展 X、Y 水平移动电动工作台, 适合在焊接区域超过振镜扫描范围的情况下使用。
- 振镜 Z 轴电动调整, 方便焦点调节。
- 可选配 CCD 视觉系统, 方便观察焊接效果。
- Fast scanning speed, large range
- Optional extended X, Y axis electric moving platform, which is suitable to use in welding areas beyond the scope of galvanometer scanning.
- The galvanometer Z-axis is electrically adjusted for easily adjusting the focus.
- Optional CCD vision system for easy observation of welding results.

应用于新能源电池、医疗器械、航空航天、汽车配件、仪器仪表、3C、IT 电子等产品的高效率激光点焊或密封焊。
It can be applied to high-efficiency laser spot welding or sealing welding in New Energy Vehicles, Medical Devices, Aerospace, Automotive Parts, Instrumentation, 3C, IT Electronics and other products.

适用于精密不锈钢、碳钢薄板、铜箔、铝箔、金、银等多种金属或合金; 也可用于多种异种材料间的焊接。
Suitable for precision stainless steel, carbon steel sheet, copper foil, aluminum foil, gold, silver and other metals or alloys and also can be applied in a variety of dissimilar materials welding.

性能 / 型号	Performance/model	SK-FW 2000	SK-FW 3000	SK-FW 4000	SK-FW 6000
最大激光器功率	Max. laser power	2000W	3000W	4000W	6000W
激光波长	Wavelength	1070±5nm	1070±5nm	1070±5nm	1070±5nm
冷却方式	Cooling	水冷 Water	水冷 Water	水冷 Water	水冷 Water
功率可调性	Power tunability	10-100%	10-100%	10-100%	10-100%
工作模式	Working model	连续 CW	连续 CW	连续 CW	连续 CW
供电电源	Power supply	AC380V/50Hz	AC380V/50Hz	AC380V/50Hz	AC380V/50Hz
机器尺寸(长*宽*高)	Machine size (L*W*H)	1300*1800*2150mm			