

多工位极耳焊接机

MULTI-STATION TAB WELDING



本设备主要功能为锂电池正负极片极耳成型加工，可配合自动化替换传统焊接设备；具有速度快、加工产品一致性好等特点，该设备采用模块化设计，用户可根据客户需要选配不同功能。

The main function of this machine is the polarity electrode forming process of the lithium battery, which can replace the traditional welding equipment. It has the characteristics of high speed, good processing product consistency. The equipment is modular design, and users can choose different functions according to the requirements of the customers.

- 焊接速度快，热影响区小，工件变形小，自动化程度高。
- 旋转多工位工作台，上料与焊接工位隔开，高效、安全。
- 可配高速振镜头和 CCD 同轴监视器，方便观察效果。
- 可配高效烟雾净化器，有效收集焊接烟尘。
- Fast welding speed, small heat affected zone, small deformation of workpiece, high degree of automation and good consistency.
- The rotary multi-station workbench is separated from the welding station for more efficient and safe.
- Optional high-speed vibrating lens and CCD coaxial monitoring for easy observation of welding results.
- Optional high-efficiency smoke purifier is available to efficiently collect welding fumes.

广泛应用于新能源锂电池、精密五金、仪器仪表、3C 等行业。

Widely used in lithium batteries, precision hardware, instrumentation, 3C and other industries.

适用于锂电池正负极片两侧极耳成型加工，可配合自动化，采用单工位或多工位激光同时焊接，可实现在线焊接。

It is suitable for shaping the two sides of anode and cathode of lithium battery, and can be weld online with automatic single station or multiple stations laser welding.

性能	Performance	参数 Parameter
激光波长	Wavelength	1070-1080nm
冷却方式	Cooling	水冷 Water
正极：铝极耳	Anode: aluminum tab	厚度 Thickness:0.1~0.4mm
负极：铜镀镍	Cathode:Nickel plated copper	厚度 Thickness:0.1~0.4mm
功率可调性	Power tunability	10-100%
功率稳定性	Power stability	±0.5%
供电电源	Power supply	AC220V±10%/1PH/50Hz
机器尺寸 (长 * 宽 * 高)	Machine size (L*W*H)	1450*760*2000mm
机器重量	Machine weight	250Kg