

J-BOX LASER SOLDERING MACHINE

接线盒激光焊接机

功能描述

- 设备对接前后设备，产品自动进出。
- 设备采用XYZ行架移动机构，自动伺服归正，可适应不同版型的接线盒位置偏差。
- 设备采用视觉引导，自动适应接线盒及引线的不同位置、角度偏差。
- 设备采用伺服控制三组压线机构，可独立对引线进行压平。
- 设备采用激光焊接模块快速移动同时焊接各处引线。
- 设备全自动控制，运行过程不需要人员干预。
- 设备使用视觉加温度感应模块，自动判断焊接质量。

Features

- The soldering machine docks with other equipment, allowing for automatic loading and unloading of products.
- The equipment utilizes XYZ gantry moving mechanism with automatic servo correction, adaptable to position deviations of different J-boxes.
- The equipment utilizes visual guidance to automatically adapt to variations in the positions and angular deviations of J-boxes and lead wires.
- The equipment utilizes servo-controlled three-group wire pressing mechanisms, capable of independently flattening lead wires.
- The equipment employs a laser soldering module to rapidly move and weld lead wires at various points simultaneously.
- The equipment operates fully automatically, without the need for human intervention during operation.
- The equipment uses a visual and temperature sensing module to automatically assess welding quality.



技术参数 Specifications

项目 Item	数值 Value
适用组件类型 Compatible Module type	常规、双玻、半片、叠瓦 Glass-back sheet/G2G/Half-cell/Shingling
适用组件尺寸 Compatible module size	长 Length: 1600-2550(mm); 宽Width: 900-1450(mm)
节拍 Cycle time	16s
外形尺寸 Dimension(L×W×H)	3200*1800*2000(mm)
重量 Weight	2200kg
传输高度 Transportation height	950±50mm
稼动率 Utilization rate	95% (VDI 3423)
噪音 Noise	Max 75dB
电源 Power requirement	AC 3 phase, 380V/N/PE, 50Hz, 15KVA
压缩空气 CDA	0.4-0.6(MPa), 一个接入点 one drop, 400L/min
冷却方式 Cooling method	水冷 Water cooling
换型时间 Change time	1h
PLC	汇川 Inovance