

## HBQ-G501 全自动压接沾锡机

### HBQ-G501 Automatic Crimping Machine

HBQ-G501\_全自动压接沾锡机（第二代）是一种全自动一头打端子、一头沾锡的线束加工设备，功能包括端子压着，穿防水栓（选装），端子 CCD 外观检测（选装），扭线，沾锡，等功能，整机布局采用模块化设计，效率高，调试方便，设备配备端子压力检测，剥皮 CCD 检测（选装），端子 CCD 外观检测（选装），NG 切断防呆（选装），千分尺（选装）、拉力计（选装）防止无次品流出。设备可连接工厂 MES，整机关键部件采用进口或者国内知名品牌确保设备的可靠性。

HBQ-G501 Automatic Crimping Machine (second generation) is a kind of automatic wire harness processing equipment with one end crimping terminal and one end dipping tin. With functions of terminal crimping, seal loading (optional), terminal CCD appearance detection (optional), twisting wire, tin-dipping, etc.

The machine adopts modular design, high efficiency and easy debugging.

The equipment is equipped with terminal press detection, stripping CCD detection (optional), terminal appearance CCD detection (optional), NG cut off anti-stay (optional), micrometer (optional), tension meter (optional) to prevent defective products from flowing out.

The equipment can be connected to MES, and the key components supplied by well-known overseas & domestic brands to ensure the reliability of the equipment.

HBQ-G501\_全自动压接沾锡机（第二代），整机包含：主机 1 套、放线机 1 套，收线器（按客户 长度订做），主机可加工 15mm-9999mm 长的电线，加工 0.04<sup>2</sup>-2<sup>2</sup>的电线，主机最快效率可达 4000pcs/H,放线机最大可放 400 卷线（滚筒）来料，配有预送线功能，可防止出现电线长短；

HBQ-G501 Automatic Crimping Machine including: 1 set of main machine, 1 set of wire-holding machine, wire take-up machine (customized according to customer length). The main machine can process 15mm-9999mm

long wire, processing 0.04<sup>2</sup>-2<sup>2</sup> wire size. the efficiency can reach 4000pcs/H, the wire-holding machine can put a maximum of 400 coils of wire (drum), Equipped with pre-feeding function, the machine can keep wire length always same.

## ◆ 产品特征 Features

- 整机全部采用伺服系统，直线运动精密研磨丝杆导轨，结构精巧紧凑，效率更高，最快可达 4100pcs/H;

The whole machine adopts servo system and linear motion precision grinding screw guide, the structure is compact, the fastest speed can be up to 4100pcs/H;

- 压接线径范围大 (0.04-2mm<sup>2</sup>) ;

Large wire diameter range (0.04-2mm<sup>2</sup>);

- 剥皮采用双工位设计，前后剥皮刀口方便调试;

Stripping system adopts double station design, front and back stripping blade edge is convenient for debugging;

- 嵌入式压力管理装置可实时监控产品质量，出现不良产品自动报警、自动裁剪;

Embedded CFM can monitor product quality in real time, and automatically alarm and cut bad products.

- 助焊剂自动回流系统，保证沾锡稳定性，减少人工操作，提高设备稼动率;

Flux automatic reflux system to ensure the stability of dipping tin, reduce manual operation and improve operation rate;

- 友好的 PC 机界面，采用工业计算机控制，方便连接 MES;

Friendly PC interface, industrial computer control, easy to connect MES;

- 机身整体结构简洁大方, 符合人体工程学设计;

The machine structure is simple and generous with ergonomic design;

- 采用柔性送线系统，在保护电线不受损伤的同时，又保证了送线长度的精度;

With flexible wire feeding system to protect wires from damage and ensure the accuracy of wire feeding length.

## ◆产品参数 Specifications

功 能 Function	端子压着，压力检测，穿防水栓，端子外观 CCD 检测，剥皮 CCD 检测，扭线， 沾锡 Terminal crimping, crimp force detection, seal loading, terminal appearance CCD detection, stripping CCD detection, twist wire, tin dipping
加工范围 Wire Size	0.04 <sup>2</sup> -2 <sup>2</sup>
加工长度 Wire Length	15mm-9999mm
产能效率 Efficiency of productivity	L=100 4000pcs/H （前部端子压接，后部沾锡） 3500pcs/H(前部端子压接，后部扭线沾锡) L=100 4000pcs/H (Front terminal crimping, rear tinned) L=3500pcs/H(Front terminal crimping, rear twisted&tinned)
压着能力 Crimp Press	伺服 Servo 2T
剥皮长度 Stripping Length	A: 1-6mm;B:1-15mm
剥皮精度 Stripping Accuracy	±0.15
长度精度 Length Accuracy	± (0.2%*L+1) mm
沾锡长度 Tin Sticking Length	1-15mm
压接模具 Crimping applicator	欧式/日式 30mm/40mm

整机尺寸 Dimension	1100(W)x900(D)x1400(H) 500KG
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