

## HBQ-G203 光伏线裁铆拧一体机

### HBQ-G203 Photovoltaic Cutting&riveting &twisting machine

#### ◆产品介绍 Introduction

HBQ-G203\_光伏线裁铆拧一体机是一种全自动光伏裁铆拧加工设备，功能包括，裁切（剥）、端子铆接，连接器组装，连接器螺帽拧紧等功能，

整机布局采用一出二模块化设计，效率高，调试方便，该设备主要用于光伏板端连接器组装，可实现重要工序实时监测，如导线对齐检测、压力管理检测、焊锡视觉检测、导线穿连接器穿不到位检测、螺母间隙视觉检测等，确保客户成品质量可靠，减少不良品流出。

HBQ-G203 Photovoltaic Cutting&riveting &twisting machine is the automatic photovoltaic cutting and screwing processing equipment, with the highlight functions of cutting (stripping), crimping, connector assembly, screwing and so on,

The machine layout adopts modular design, it's high efficient and convenient to debug. The equipment is mainly used for photovoltaic connector assembly, and online detect important production processes.

It is equipped with wire alignment detection, CFM detection, solder visual detection, wire connector place detection, nut visual detection, to ensure the quality definitely.

HBQ-G203\_光伏线裁铆拧一体机，整机包含，主机 1 套、放线架 1 套、储线架一套，主机可加工 140-3000 长的导线，通用线径  $\Phi 5.7 \sim \Phi 6.3$  ( $1 \times 4 \text{mm}^2$ ) 光伏线缆，放线架最大可承重 1000KG 卷线（滚筒）来料，储线架配有张紧结构，通过加减配重块，张力可调；

HBQ-G203 Photovoltaic Cutting&riveting &twisting machine includes 1

set of main machine, 1 set of wire feeder, 1 set of wire holder. The main machine can process 140-3000 mm wire, the general photovoltaic wire diameter is  $\Phi 5.7 \sim \Phi 6.3$  ( $1 \times 4 \text{ mm}^2$ ). The wire feeder can bear the maximum 1000KG coil (drum) material, and the wire holder equipped with tensioning structure, Tension can be adjusted by adding or subtracting counterweight blocks;

## ◆产品参数 Specifications

功能 Function	剥皮、打端、焊锡、连接器组装，拧螺母，CCD 检测（选配） Stripping, crimping, soldering, connector assembly, nut screwing, CCD detection
通用线径 Wire size	$\Phi 5.7 \sim \Phi 6.3$ ( $1 \times 4 \text{ mm}^2$ )（具体根据实际线缆 universal for different wires）
出线方式 Feeding Type	皮带输送 Belt Conveying
产能效率 Efficiency of Productivity	产量 Output: $L \leq 1400 \text{ mm}$ : 2.4s/pcs; $L > 1400 \text{ mm}$ : $(2.4s + (L - 1400) / 6000)$ s/pcs
长度范围 Length	150mm-2000mm
送线精度 Feeding Accuracy	$L < 500 \text{ mm} \pm 1 \text{ mm}$ ; $L > 500 \text{ mm} (1 \text{ mm} + 0.2\%L)$
剥皮长度 Stripping Length	前、后剥 0-15mm 可调 Front/ Rear strip 0-15mm, adjustable
压力 Crimping Force	4.0T 端子机(压力管理选配) 4T Crimping Machine, CFM Optional
压接模具 Crimping Applicator	横式 30mm/40mm Side feed
放线架/储线架 Wire	HBQ-G103



Feeder/Holder	photovoltaic Wire Feeder/Holder -1000 type	
主机尺寸 Machine Dimension	3800(L)x1000(W)x2300(H)	1350KG
整机尺寸 Overall Dimension	7000(L)x2000(W)x2300(H)	2000KG