HBQ-G401 力矩工作站
HBQ-G401 TORQUE WORKSTATION

产品介绍 Introduction

HBQ-G401 是一台半自动打螺丝设备，主要用于螺母拧紧，螺母拧紧扭矩数值可实时上传MES系统，以供追溯，设备具备多颗螺丝拧紧防错，螺丝拧紧顺序防错，多颗螺丝拧紧扭矩自定义设置，开机扭力点检，扫码读取产品，电批拧紧扭力超高/超低报警，生产日志可查询，智能电批使用日本进口CORETEC(柯艾泰克)，上位机程序软件为海昌智能自己开发，可极大的满足客户定制化需求。

整机主要由机架、帆布兜（托料用）、平衡机械臂、上位机、PLC、显示器组装、工装夹具构成；夹具可根据客户产品外形定制设计；设备具备防错防呆功能，设定的螺丝未作业完或拧紧失败，设备则自动锁住产品并报警，需授权人员方可解锁，可有效的避免不良品流入下一工序。

HBQ-G401 is a semi-automatic screw equipment, mainly used for the nut screw. Nut tightening torque values can be traceable and upload in MES system real-time. This equipment has function of screws tighten mistake proofing and screw order mistake proofing, Screw Torque Set, Torsion Check, Quickmark Code, Tightening Torque High/low Alarm, Production Record, Intelligent electric batch CORETEC from Japan, the copyright of host computer program software reserved by Hacint, can greatly meet customer customization needs;
The machine is mainly composed by machine frame, canvas tray, the balance arm, host computer, PLC, displayer. fixture.The fixture can be customized according to customer product appearance.
The equipment has proofing function for mistake and idle material. If screw setting not finished or tighten screw failure, the equipment will automatically hold and alarm, only the authorized personnel can relieve it, This can effectively prevent screw loose or defective materials flow into the next process.

特性 Feature

● 智能化防错
①开机点检，确保电批输出扭力值处于高精度状态；
②锁付报警，未达到拧紧值，设备报警，并自锁；
③位置报警，编码器控制螺丝拧紧坐标，对应坐标方可实施螺丝拧紧；
④扫码识别，使用扫码枪快速识别产品，绑定扭力值。

● 便捷式操作
①配备有帆布兜，方便大线束，多线束储存；
②目视化软件管理，问题原因快速识别。

● 操作安全性
独立启动按钮，程序防呆，放完产品后，再启动，防止误操作。

● Intelligent Error Proof
①Start up and check to ensure high precision torque value of electric batch;
②If failed to reach the tightening value, the equipment will alarm and self-lock;
③Position alarm, encoder controls screw tightening axes, the corresponding axes will implement screw tightening;
④Quickmark recognition, using barcode scanner quickly identify products, and set torque value.

● Convenient operation
①Equipped with canvas tray, convenient to store big size wire and multi-wire harness;
②Visual software management, quickly identify problem causes.

● Safety
Independent start button, idle materials controlled by program. Restart after placing the materials to prevent misoperation.

技术参数 Specifications

外观尺寸	Dimensions	1010x910x1956,(工作台高度 height of workbench≈840, 单位：mm)	锁紧螺丝范围	Screws	M5 – M12螺母/螺丝锁紧
操作系统	Software	PC WIN10(正版系统),HACINT控制软件 controlling software			M5–M12 Nut/Screw locking
电批（标配）	Electric Screw Driver	CORETEC(柯艾泰克)	噪声	Noise	<60 dB (A)
扭力范围	Torque range	5–22N·m	扭力点检	Torque Check	有 available
扭力精度	Torque Accuracy	±1.5%	扫码功能	Barcode	有 available
电批转速	Speed	540rpm/min	坐标显示	Axes Display	有 available
电批属性	Performance	智能电批，附带控制软件，支持C-LINK,DEVICENET,ProfibusDP总线板卡 Intelligent with control software,C-LINK, DEVICENET, ProfibusDP card	接口类型	Port	USB，RS232,
			功率	Power	500W
			电源	Power Supply	220V/50Hz
			气源	Air Supply	0.5Mpa – 0.7Mpa
			重量	Weight	113kg

★ 可选配视觉检测模块 Vison inspection module is optional.