

K
Automation

拧紧工具系统

TIGHTENING TOOL SYSTEM

上海楷徽工业设备有限公司

自动装配设备和装配解决方案专业服务商
Automation expert of lock screw machine

公司简介



Company profile

上海楷微工业设备是一家提供自动装配设备和装配解决方案的专业服务商。

公司成立于 2006 年，服务过上百家电子、通讯、五金、家电、汽车配件等领域制造企业。

公司拥有强大的管理团队、设计团队和服务团队，核心成员拥有十余年丰富的行业实践经验，并且在自动装配设备的设计上不断的创新，深入挖掘机器人、自动定位、视觉检测、智能装配等技术运用，不断推动工业自动化，智能化，助力制造业升级。

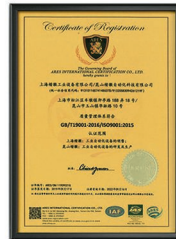
Shanghai Kai Hui Industrial Equipment Co.,Ltd. is a professional service provider specializing in providing screw assembly tools and assembly solutions.

Founded in May 2006,it has served hundreds of electronics,communications,hardware,home appliances,auto parts and other manufacturing companies.

The company has a strong management team,design team and service team.The core members have more than ten years of rich industry practice experience,and constantly innovate in the design of automatic locking screw equipment,and deeply explore the application technology of robot,automatic positioning and visual inspection.continue to promote industrial automation to help manufacturing upgrade.

资质荣誉

Qualification Profile



合作伙伴

Support and cooperation

Amphenol

CHERVON

EMERSON

Inventec

JABIL

Rockwell Automation

SAMSUNG

FOTILE 方太

OMRON

wistron
緯創資通

好孩子
gb

ASUS

HUAWEI

lenovo
联想

Midea

GREE 格力

仁寶電腦

INTCO
英科环保

hp

OPPLE
欧普照明

智能计数起子

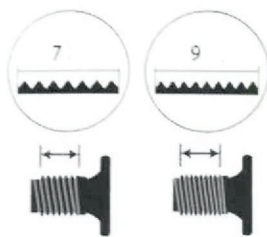
INTELLIGENT COUNTING DRIVER



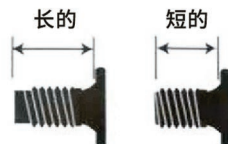
型号 model	扭矩范围 torque range		转速范围 speed range	输入电压 input voltage	适用螺丝 Applicable screw
	Ncm	in/lb	rpm	V	
K-KHC080-H	9.8~78.4	0.9~6.9	30~1000	36v	M2.0~M3.5
K-KHC200-H	39.2~196	3.5~17.4	30~700	36v	M2.5~M4.5
K-KHC500-H	147~539	13~48	30~500	36v	M4.0~M6.0

技术参数 TECHNICAL PARAMETER

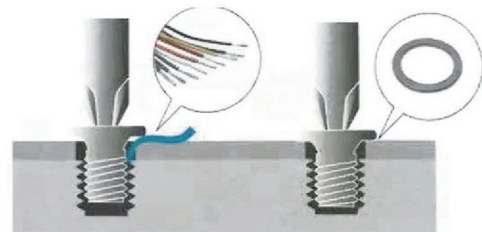
产品细节 PRODUCT DETAILS



螺丝牙距不同
The screw pitch is different



螺丝长短不同
The length of the screws is different

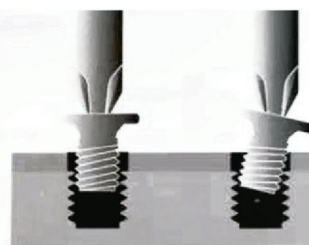


其它零件卡入
Other parts stuck in

忘记零件
Forget the parts



深穴拧装
Deep hole screwing



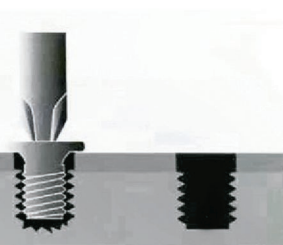
螺丝浮起
The screw floats



倾斜拧装
Inclined screw mounting



打滑
Skidding



底孔磨损
Hole bottom wear



漏装
Missing assembly

机用伺服螺丝刀

ELECTRIC SERVO SCREWDRIVER

产品特点 Product characteristics

1. 根据螺丝扭力、圈数进行锁付
2. 可实时反馈当前扭矩和锁付圈数
3. 可输出浮锁和滑牙报警，可通过 10 方式进行输出
4. 锁付圈数到达之后，还可以设定前进或后退
5. 不同工位用不同锁付工艺，通过通讯修改参数实现
6. 多螺丝的多扭矩切换
7. 配合计算机系统可实现数据存储及质量追溯功能

Lock-out according to screw torque and number of turns

Real-time feedback of current torque and lock-up cycles

Output float lock and sliding teeth alarm, can be output in 10 ways

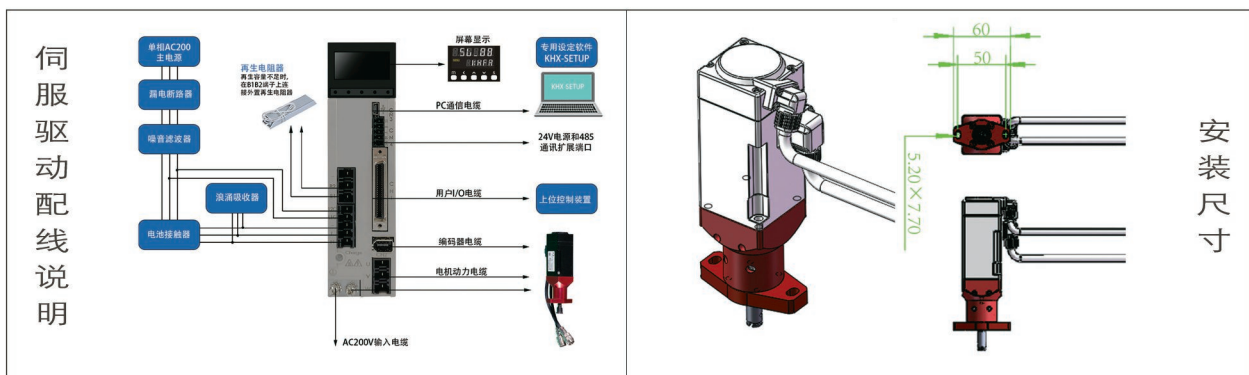
After the number of lock-up cycles has arrived, you can also set forward or backward

Different lockout processes are used for different workstations and parameters are modified by communication.

Multiple Torque Switching with Multiple Screws

Data storage and quality traceability can be realized with computer system

螺丝刀型号 Screwdriver model	控制器型号 Controller Model	扭力范围 KGF-CM	转速 R/MIN Speed R/MIN	输入电压 Input voltage	使用批头 Use batches	技术参数 TECHNICAL PARAMETER
KH-LY050W	KH-LYA005	0.5~1.6	0~3000	AC220V	1/4	
KH-LY100W	KH-LYA010	0.5~3.2	0~3000	AC220V	1/4	
KH-LY200W	KH-LYA020	1.2~6.7	0~3000	AC220V	1/4	
KH-LY400W	KH-LYA040	1.2~12.7	0~3000	AC220V	1/4	
KH-LY750W	KH-LYA075	2~24	0~3000	AC220V	1/4	



特点 characteristics

体积小，有效利用设备空间

Compact size, efficient use of equipment space

紧固精度为 ±2%或更高

Tightening accuracy of ±2% or higher

高耐用性和出色的可靠性，符合 ISO 9000 标准，出厂前全系统经过耐用性和紧固精密度测试，每个工具单元通过 100 万次额定扭矩测试
High durability and excellent reliability, in accordance with ISO 9000 standard, the whole system was tested for durability and tightening precision before shipment, and each tool unit passed 1 million rated torque tests

接口选项主控选择安装各种接口卡

Interface Options Master Control Options Install Various Interface Cards

智能螺丝刀

INTELLIGENT SCREWDRIVER



<ul style="list-style-type: none"> • 精准拧紧 Precise tightening 	<ul style="list-style-type: none"> • 自动设置 Automatic setup 	<ul style="list-style-type: none"> • 锁付监控 Lock-out monitoring
<ul style="list-style-type: none"> • 防呆报警 Anti-dull alarm 	<ul style="list-style-type: none"> • 数据上传 Data upload 	<ul style="list-style-type: none"> • 存储下载 Storage Download

技术参数		TECHNICAL PARAMETER					
螺刀型号 Screw cutter model	扭力范围 Torque range		转速范围 Speed range rpm	输入电压 input voltage v	适用螺丝 Applicable screw	适配控制器 Adaptive controller	备注 remarks
	Nm	kgf.cm					
LY-KH008	0.01~0.065	0.15~0.66	30~1300	24v~30v	M1.0~M1.6	K-KH008-G	H/F
LY-KH030	0.04~0.22	0.41~2.24	30~1000	24v~30v	M1.4~M2.5	K-KH030-G	H/F
LY-KH080	0.05~0.65	1.5~6.6	30~1000	35v~42v	M2.0~M3.5	K-KH080-G	H/F
LY-KH200	0.40~1.60	4.1~16.3	30~700	35v~42v	M2.5~M4.5	K-KH200-G	H/F
LY-KH300	0.75~3.00	7.6~30.6	30~700	35v~42v	M3.0~M5.5	K-KH300-G	H/F
LY-KH500	1~5	10.2~51	30~460	35v~42v	M4.0~M6.0	K-KH500-G	H/F

产品特点 Product characteristics

端子控制	通过I/O实现实时监控和控制	TERMINAL CONTROL	Real-time monitoring and control via I/O
远程设定	支持实时远程设定和显示，前沿的人机交互	REMOTE SETTING	Support real-time remote setting and display, cutting-edge human-machine interaction
扫描功能	通过专用接口连接扫码枪，自动识别和保存工件条码	SCAN FUNCTION	Automatic recognition and preservation of work piece barcodes by connecting a code sweeper through a dedicated interface
可视化分析	拧紧过程数据可视化，智能分析	VISUAL ANALYSIS	Visualization and intelligent analysis of tightening process data
一机多用	一把起子可以设定程序连续完成，多颗螺丝拧紧工作，替代多把传统起子	ONE MACHINE FOR MULTIPLE USE	One screwdriver can set program to complete continuously and tighten several screws instead of many traditional ones

智能拧紧监控系统

INTELLIGENT TIGHTENING MONITORING SYSTEM

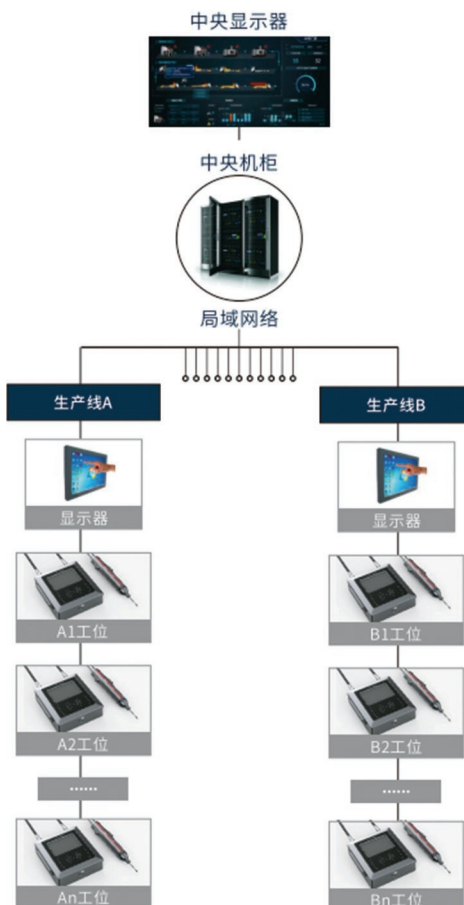


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Mobile 移动式

- 电子扭矩调节，扭矩精度5%
- 转速可调节
- 位置控制、自动反转
- 锁付数据实时存储、下载
- 可100台起子联网
- PC端实时监控
- 多任务规划，触控屏操作
- DIMDO接口，红外探头防呆
- 浮高、滑牙、锁漏监控
- 扫码枪自动识别匹配扭矩

- Electronic torque adjustment with 5% torque
- Adjustable speed
- Position control, automatic reversal
- Real time storage and download of locking
- It can be connected with 100 elevators
- PC terminal real time monitoring
- Multi task planning, touch screen operation
- Dimdo interface, infrared probe anti dazzle
- Monitoring of floating height, sliding teeth and lock
- Automatic identification of matching torque of code



智能拧紧防呆系统

INTELLIGENT TIGHTENING ANTI-SLUMBER SYSTEM

Work table 工作桌

- **高精度**
转速可调，电子调节扭矩，扭矩精度5%
- **自动反转**
螺丝锁付完成阶段，可根据用户需求及设定，自动反向退锁设定角度，满足特殊运用场景
- **多种控制模式**
支持转速分段控制模式，位置（角度/圈数）控制模式，自动模式，满足不同锁付场景需求
- **多任务规划**
用户可以根据运用需求，设定螺丝锁付通道自动切换功能，也可通过端子，通讯控制切换
- **防呆监控**
分段拧紧，实时监控锁付状态，错误蜂鸣器报警提示
- **位置监测**
搭配旋转臂，锁付位置记忆功能，实时状态监测，防止误操作
- **数据存储**
内置存储芯片，实时保存锁付数据
- **自学习**
通过一键自动学习螺钉从开始紧固到螺钉着座旋转角度，自动生成设置参数，大幅缩短设定时间



1.High-precision :

Electronic torque adjustment with 5% torque accuracy

2.Auto reverse:

In the completion stage of screw locking, the angle can be set automatically by reversing the lock according to the user's requirements and settings, so as to meet the special application scenarios

3.Multiple control modes:

It supports speed segment control mode, position (angle / number of turns) control mode and automatic mode to meet the needs of different locking scenarios

4.Multi task planning:

Users can set the automatic switch function of screw locking channel according to the application requirements, and can also control the switch through the terminal and communication

5.Security monitoring:

The locking state is monitored in real time, and the alarm is given by the wrong buzzer

6.Position monitoring:

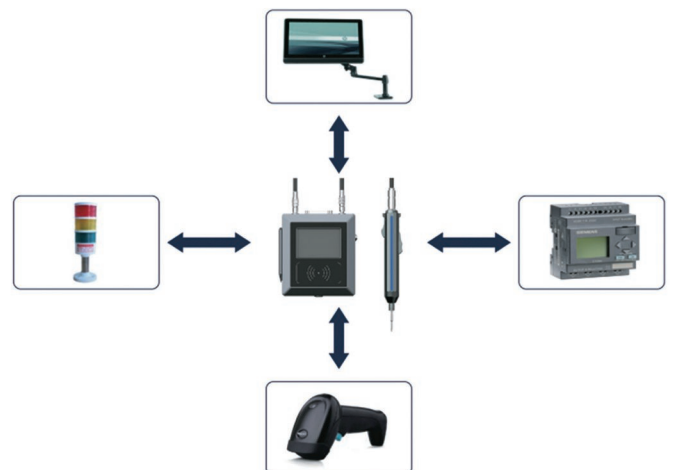
Equipped with rotating arm, locking position memory function, real-time status monitoring to prevent misoperation

7.Data storage:

Built in memory chip to save lock data in real time

8.Self learning:

Through one key automatic learning screw from the beginning of tightening to the screw seat rotation angle, automatic generation of setting parameters, greatly shorten the setting time





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