



服务 / 发展
合作 / 共赢



苏州众锐禾智能科技有限公司

Suzhou Z.R.H. Unicraft Intelligent Technology Co., Ltd.

主要产品介绍

Main Products Introduction

科技铸造实力 品质成就未来

Technology builds strength, and quality shapes the future.



CON

TENT

目录

成就客户 进取创新 务实守信 多元共赢

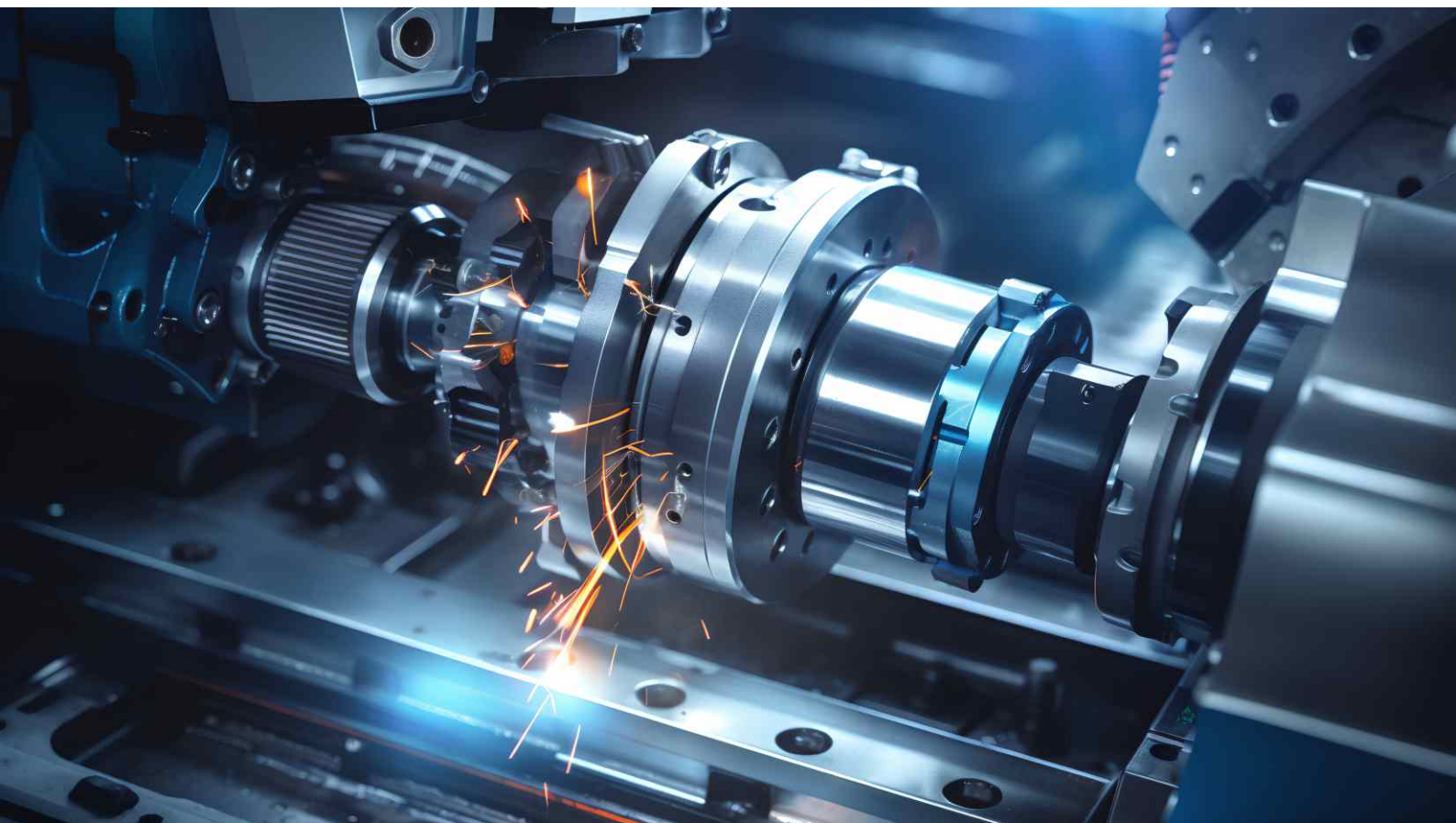
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公司简介

Company Introduction

苏州众锐禾智能科技有限公司, 位于中国制造业发达的苏州地区, 是一家集研发、生产、销售和服务为一体的智能精密装配整体解决方案提供商, 同时也是国内知名的高端装配工具供应商。公司自成立以来, 始终专注于智能装配技术的研发与创新, 致力于为客户提供高效、精准、可靠的智能装配解决方案, 推动制造业的智能化升级。

Suzhou Zhongruihe Intelligent Technology Co., Ltd., located in the manufacturing hub of Suzhou, China, is a provider of intelligent precision assembly solutions that integrates R&D, production, sales, and service. It is also a well-known domestic supplier of high-end assembly tools. Since its establishment, the company has been dedicated to the research and innovation of intelligent assembly technologies, aiming to provide customers with efficient, precise, and reliable intelligent assembly solutions and driving the intelligent upgrade of the manufacturing industry.



企业愿景与使命

Vision and Mission

苏州众锐禾智能科技有限公司以“成为全球领先的智能精密装配解决方案提供商”为企业愿景，以“为客户创造价值，推动制造业智能化升级”为企业使命。公司将继续加大研发投入，不断提升技术水平，以优质的产品和服务赢得客户的信赖，为全球制造业的发展贡献力量。

Suzhou Zhongruihe Intelligent Technology Co., Ltd. aims to become a "global leader in intelligent precision assembly solutions" as its corporate vision, and is committed to the mission of "creating value for customers and driving the intelligent upgrade of the manufacturing industry." The company will continue to increase its investment in research and development, enhance its technological capabilities, and earn customer trust through high-quality products and services, contributing to the advancement of the global manufacturing sector.

主要产品

Main Products

公司产品涵盖多个智能装配领域，包括传感器电批、锁螺丝设备以及非标定制产品。这些产品广泛应用于3C电子、汽车、新能源、航空航天、医疗器械等多个行业，满足不同客户的多样化需求。

传感器电批：采用先进的传感器技术，实现精准的扭矩控制和角度测量，确保装配过程的精确性和一致性。

锁螺丝设备：通过自动化和智能化的设计，提高锁螺丝的效率和质量，降低人工成本。

The company's products cover multiple intelligent assembly fields, including sensor-based screwdrivers, screw-locking equipment, and custom-made products. These products are widely used in industries such as 3C electronics, automotive, new energy, aerospace, and medical devices, meeting the diverse needs of customers.

Sensor-Based Screwdrivers: Utilizing advanced sensor technology, these tools achieve precise torque control and angle measurement, ensuring accuracy and consistency in the assembly process.

Screw-Locking Equipment: Designed with automation and intelligence, these devices improve the efficiency and quality of screw-locking while reducing labor costs.

传感器式固定式智能工具 (0.05~20 N.m)

Transducerised Fixed Smart Tools

内置复合力传感器	Built-in Composite force transducer
扭矩范围:0.05~15 N.m	Torque Range: 0.05~20 N.m
转速范围:0~1800 rpm	Speed Range: 0~1800 rpm
真实扭矩与压力检测	True torque and pressure detection
高精度, 高效率, 质量轻	High accuracy($\pm 5\%$), Efficient and Lightweight
长寿命, 空心杯无刷电机	Maintenance free thanks to brusless motor
作业高稳定性	CPK>1.67 5-Sigma
防静电设计	Electro-Static Discharge
人体工学设计, 握感舒适	Ergonomic design, Comfort grip
静音作业	Low noise level < 70dB (A)
点压启动 / 压板启动	Push / Lever start

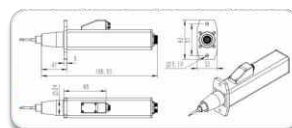


工具选型列表 MODEL LIST

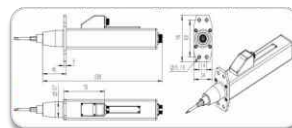
● 微扭矩 ZRH-F10(X)系列 Mirco-Torque Serie ZRH-F10(X)											
型号 MODEL	扭矩范围 TORQUE RANGE						压力(仅 P系列) PRESSURE	转速 MAX SPEED	长度 LENGTH	重量 WEIGHT	批头 DRIVER
	MIN	MAX	MIN	MAX	MIN	MAX					
	N.m	N.m	Kgf.cm	Kgf.cm	in/lb	in/lb					
ZRH-F10(A)	0.05	0.40	0.51	4.08	0.44	3.54	0~100	1800	186	270±10	双翼/半月 WS-HW
ZRH-F10(B)	0.10	0.70	1.02	7.14	0.89	6.20	0~100	1200	186	270±10	
ZRH-F10(C)	0.20	1.00	2.04	10.2	1.77	8.86	0~100	1200	186	270±10	双翼/WS

● 低扭矩 ZRH-F20(X)系列 Low-Torque Serie ZRH-F20(X)											
型号 MODEL	扭矩范围 TORQUE RANGE						压力 (仅 P 系列) PRESSURE	转速 MAX SPEED	长度 LENGTH	重量 WEIGHT	批头 DRIVER
	MIN	MAX	MIN	MAX	MIN	MAX					
	N.m	N.m	Kgf.cm	Kgf.cm	in/lb	in/lb					
ZRH-F20(D)	0.50	4.00	5.10	40.80	4.43	35.44	0~200	900	242.5	825±10	HEX 1/4"
ZRH-F20(E)	1.00	5.50	10.20	56.10	8.86	48.73	0~200	600	242.5	830±10	HEX 1/4"
ZRH-F20(F)	1.00	7.00	10.2	71.40	8.86	62.02	0~200	500	242.5	825±10	HEX 1/4"
ZRH-F20(FS)	1.00	7.00	10.2	71.40	8.86	62.02	0~200	1000	242.5	845±10	HEX 1/4"
ZRH-F20(G)	3.00	10.0	30.60	102.0	26.58	88.60	0~200	300	242.5	830±10	HEX 1/4"
ZRH-F20(H)	3.00	12.0	51.00	122.40	44.30	106.32	0~200	280	242.5	930±10	HEX 1/4"
ZRH-F20(I)	5.00	15.00	51.00	153.00	44.30	177.20	0~200	220	242.5	830±10	HEX 1/4"
ZRH-F20(J)	5.00	20.00	51.00	204.00	44.30	265.80	0~200	280	/	/	SQR 3/8"

工具外观尺寸 TOOL DIMENSION



微扭矩 ZRH-F10(X) 系列 Mirco-Torque Serie ZRH-F10(X)



低扭矩 ZRH-F20(X) 系列 Low-Torque Serie ZRH-F20(X)



Transducerised Handheld Smart Tools

工具外观尺寸
TOOL DIMENSION

微扭矩 ZRH-H10(X) 系列 Micro-Torque Series ZRH-H10(X)

Technical drawing of a 1000W laser cutting head. The drawing includes two side views with dimensions and a perspective view. The dimensions are: 54, 271.50, 41, 39, and 40.

低扭矩 ZRH-H20(X) 系列 Low-Torque Series ZRH-H20(X)



传感器式枪型手持智能工具 (0.05~20 N.m)

Transducerised Pistol Grip Smart Tools

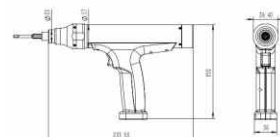
内置力传感器	Built-in force transducer
扭矩范围:0.5~15 N.m	Torque Range: 0.5~20 N.m
转速范围:0~1800 rpm	Speed Range: 0~1800 rpm
真实扭矩检测	True torque detection
高精度, 高效率, 质量轻	High accuracy($\pm 7.5\%$), Efficient and Lightweight
长寿命, 空心杯无刷电机	Maintenance free thanks to brushless motor
作业高稳定性	CPK>1.67 5-Sigma
防静电设计	Electro-Static Discharge
人体工学设计, 握感舒适	Ergonomic design, Comfort grip
静音作业	Low noise level < 70dB (A)
可编程灯光交互	Visible & Programmable LED feedback
点压启动 / 压板启动	Push / Lever start



工具选型列表 MODEL LIST

工具外观尺寸 TOOL DIMENSION

• 微扭矩 ZRH-P10(X) 系列 Micro-Torque Serie ZRH-P10(X)											
型号 MODEL	扭矩范围 TORQUE RANGE						压力 (仅P系列) PRESSURE	转速 MAX SPEED	长度 LENGTH	重量 WEIGHT	批头 DRIVER
	MIN	MAX	MIN	MAX	MIN	MAX					
	N.m	N.m	Kgf.cm	Kgf.cm	in/lb	in/lb					
ZRH-P10(A)	0.05	0.40	0.51	4.08	0.44	3.54	0~100	1800	242.5	625 $\pm$ 10	双翼/半月 WS-HW
ZRH-P10(B)	0.10	0.70	1.02	7.14	0.89	6.20	0~100	1200	242.5	625 $\pm$ 10	
ZRH-P10(C)	0.20	1.00	2.04	10.2	1.77	8.86	0~100	1200	242.5	625 $\pm$ 10	双翼/WS



• 低扭矩 ZRH-P20(X) 系列 Low-Torque Serie ZRH-P20(X)											
型号 MODEL	扭矩范围 TORQUE RANGE						压力 (仅P系列) PRESSURE	转速 MAX SPEED	长度 LENGTH	重量 WEIGHT	批头 DRIVER
	MIN	MAX	MIN	MAX	MIN	MAX					
	N.m	N.m	Kgf.cm	Kgf.cm	in/lb	in/lb					
ZRH-P20(D)	0.50	4.00	5.10	40.80	4.43	35.44	0~200	900	242.5	825 $\pm$ 10	HEX 1/4"
ZRH-P20(E)	1.00	5.50	10.20	56.10	8.86	48.73	0~200	600	242.5	830 $\pm$ 10	HEX 1/4"
ZRH-P20(F)	1.00	7.00	10.2	71.40	8.86	62.02	0~200	500	242.5	825 $\pm$ 10	HEX 1/4"
ZRH-P20(FS)	1.00	7.00	10.2	71.40	8.86	62.02	0~200	1000	242.5	845 $\pm$ 10	HEX 1/4"
ZRH-P20(G)	3.00	10.0	30.60	102.0	26.58	88.60	0~200	300	242.5	830 $\pm$ 10	HEX 1/4"
ZRH-P20(H)	3.00	12.0	51.00	122.40	44.30	106.32	0~200	280	242.5	930 $\pm$ 10	HEX 1/4"
ZRH-P20(I)	5.00	15.00	51.00	153.00	44.30	177.20	0~200	220	242.5	830 $\pm$ 10	HEX 1/4"
ZRH-P20(J)	5.00	20.00	51.00	204.00	44.30	265.80	0~200	280	/	/	SQR 3/8"



传感器式弯头智能工具 (0.05~20 N.m)

Transducerised Angle Head Smart Tools

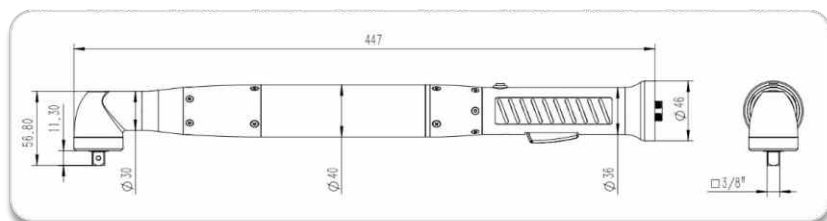
内置力传感器	Built-in force transducer
扭矩范围:0.5~15 N.m	Torque Range: 0.5~20 N.m
转速范围:0~1800 rpm	Speed Range: 0~1800 rpm
真实扭矩检测	True torque detection
高精度, 高效率, 质量轻	High accuracy($\pm 5\%$), Efficient and Lightweight
长寿命, 空心杯无刷电机	Maintenance free thanks to brusless motor
作业高稳定性	CPK>1.67 5-Sigma
防静电设计	Electro-Static Discharge
人体工学设计, 握感舒适	Ergonomic design, Comfort grip
静音作业	Low noise level < 70dB (A)
可编程灯光交互	Visible & Programmable LED feedback
点压启动 / 压板启动	Push / Lever start



工具选型列表 MODEL LIST

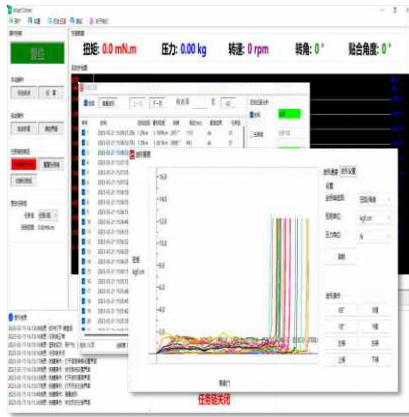
• 低扭矩 ZRH-A20(X) 系列 Low-Torque Serise ZRH-A20(X)											
型号 MODEL	扭矩范围 TORQUE RANGE						压力(仅P系列) PRESSURE	转速 MAX SPEED	长度 LENGTH	重量 WEIGHT	批头 DRIVER
	MIN	MAX	MIN	MAX	MIN	MAX					
	N.m	N.m	Kgf.cm	Kgf.cm	in/lb	in/lb					
ZRH-F20(F)	1.00	7.00	10.2	71.40	8.86	62.02	0~200	500	396	990 $\pm$ 10	SQR 3/8"
ZRH-F20(FS)	1.00	7.00	10.2	71.40	8.86	62.02	0~200	1000	396	1000 $\pm$ 10	SQR 3/8"
ZRH-F20(G)	3.00	10.0	30.60	102.0	26.58	88.60	0~200	300	396	990 $\pm$ 10	SQR 3/8"
ZRH-F20(H)	3.00	12.0	51.00	122.40	44.30	106.32	0~200	550	396	1000 $\pm$ 10	SQR 3/8"
ZRH-F20(I)	5.00	15.00	51.00	153.00	44.30	177.20	0~200	220	396	990 $\pm$ 10	SQR 3/8"
ZRH-F20(J)	5.00	20.00	51.00	204.00	44.30	265.80	0~200	280	/	/	SQR 3/8"

工具外观尺寸 TOOL DIMENSION



SMART DRIVER 编程控制软件

Software Introduction (SAMRT DRIVER)



人机交互界面 User-Friendly Interface
 用户权限管理 User Rights Customization
 拧紧流程控制 Tightening Process Control
 作业任务设置 Job task settings
 关键数据监控 Key data monitoring
 实时曲线绘制 Real-time curve drawing
 作业结果提示 Result Feedback
 历史数据追溯 Data traceability
 拧紧曲线分析 Tightening curve analysis



主要功能 Main Functions

- ✓ 多级用户管理, 自定义用户权限
- ✓ 32组拧紧程序快速预设及切换
- ✓ 多步骤拧紧, 完整的流程控制
- ✓ 拧紧结果反馈与数据存储
- ✓ 拧紧曲线实时绘制与存储
- ✓ 多级任务链设置, 支持计数及防错
- ✓ 支持扫码枪接入, 功能可自定义
- ✓ 可以与任何MES系统做数据交互
- ✓ 历史数据查询及分析
- ✓ 波形分析, 曲线点集数据查询
- ✓ 作业结果提示, 并支持语音播报
- ✓ 实时现场总线变量状态监控

Multi-level user management, user-defined user permissions
 Quick PSet (>32 PSet), quick switching
 Multi-step tightening setting, outstanding process control
 Tightening result feedback and data storage
 Real-time drawing and storage of tightening curve
 Multi-level task chain setting, counting and error proofing
 Support barcode reader, access with customizable functions
 Data interaction with any MES system
 Historical data search and analysis
 Tightening curve analysis, data display of points on curves
 Result reports and voice broadcast
 Real time fieldbus variables monitoring



拧紧流程设置 Tightening Process Setting

任务链管理 Job Management



控制器(集显工作站、集显控制器、标准控制器)

Controllers (IW, IC, SC)

控制器功能矩阵 Functionality Matrix		A	B	C
拧紧	Tightening			
PSet 数量	Number of PSet	32	32	32
快速 PSet	Quick Pset	✓	✓	✓
多步骤拧紧	Multi Step Tightening	✓	✓	✓
拧紧步骤数	Number steps per PSet	5	5	5
任务链作业	Job Chain Setting	✓	✓	
控制: 扭矩, 角度, 扭矩控制角度监控, 角度控制扭矩监控, 屈服点, 扭矩斜率, 贴合点检测	Control: Torque, Angle, Torque OR Angle, Torque AND Angle, Yield point, Torque rate, Seating detection	✓	✓	✓
监控: 扭矩斜率, 第二部角度, 时间, 快速旋入角度;	Monitoring: Torque rate, 2nd part angle, Time & Rundown angle	✓	✓	✓
螺钉入牙检测	Thread engagement detection	✓	✓	✓
螺钉滑牙与浮高检测, 螺纹损坏检测	Slip screw, Floating screw, Damaged Thread Detection	✓	✓	✓
贴合点扭矩监控	Seating point torque monitoring	✓	✓	✓
贴合角度监控	Seating angle monitoring	✓	✓	✓
多曲线重叠分析	Multi-graphs overlap analysis	✓		
数据存储	Data Storage & Analysis			
控制器中存储的详细数据结果	Detailed Data Results Stored in the Controller	✓	✓	/
结果-数据存储	Results – Data Storage	1500W	100W	/
图表-数据存储	Graphs – Data Storage	100W	1000	/
通过USB下载结果数据	Download Results Data via USB Memory	✓	✓	/
通过USB下载图形数据	Download Graphs Data via USB Memory	✓	✓	/
事件日志存储量	Event log storage (number of events)	100W	/	/
设备交互	CONNECTMITY			
可配置数字 I/O	Configurable I/O	8/8	8/8	8/8
RS232 / RS485	RS232 / RS485	1	1	1
TCP/IP	TCP/IP	✓	✓	✓
Open Protocol	Open Protocol		✓	✓
USB端口	USB ports	2	1	/1
网口	Ethernet	1	1	1
扫码枪接入	Barcode reading (standard and 2D)	✓	/	✓
关于控制器	CONTROLLERS			
重量 (Kg)	Weight (Kg)	2.62	1.43	0.54
三维尺寸 (长 *宽*高)	3D Size (L*W*T mm)	A:81*300*220 B: 95*132*230 C: 99*187*32		
彩色触控屏	Color touchscreen	12"	7"	/



A. 集显工作站
Integrated Workstation



B. 集显控制器
Integrated Controller

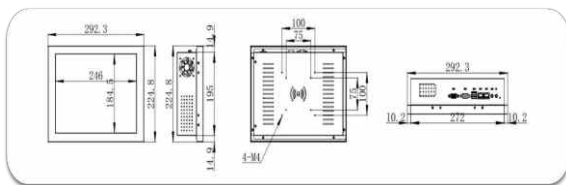


C. 标准控制器
Standard Controller

工作站 ZRH-IW101

Workstation ZRH-IW101

控制器接口 Controller interface



外观尺寸
Appearance Dimension



下部接口图解
Bottom Interface Diagram



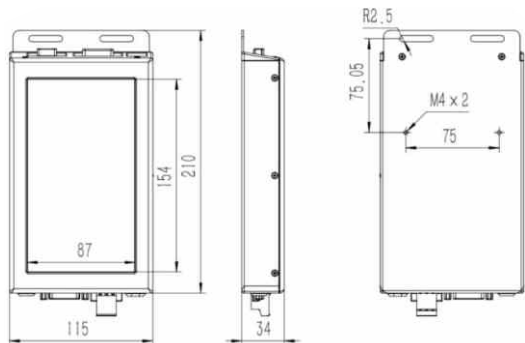
左面接口图解
Side Interface Diagram

下部	Bottom side
① 外放音频接口	External audio interface
② LAN接口	LAN interface
③ USB接口	USB interface
④ COM485接口	COM485 interface
⑤ VGA接口	VGA interface
⑥ 电源总接口	Power supply

左部	Left side
① 工具本体接口	Tool body interface
② 通讯总线接口	Communication interface
③ IO接口	IO interface
④ TCP/IP通信接口	TCP/IP communication interface

集显控制器 ZRH-IC121

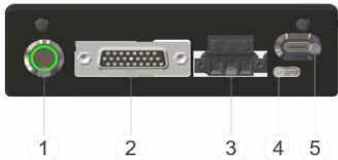
Integrated Controller ZRH-IC121



外观尺寸
Appearance Dimension

下部	Bottom side
①外放音频接口	External audio interface
②LAN接口	LAN interface
③USB接口	USB interface
④COM485接口	COM485 interface
⑤VGA接口	VGA interface
⑥电源总接口	Power supply

控制器接口
Controller interface



下部接口图解
Bottom Interface Diagram

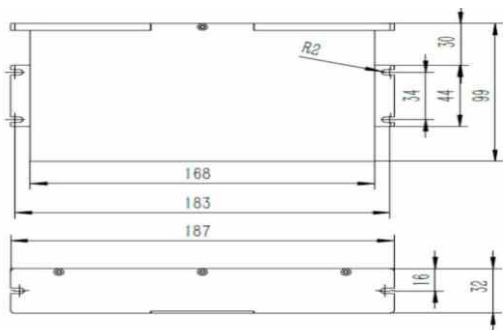


左面接口图解
Side Interface Diagram

左部	Left side
①工具本体接口	Tool body interface
②通讯总线接口	Communication interface
③IO接口	IO interface
④TCP/IP通信接口	TCP/IP communication interface

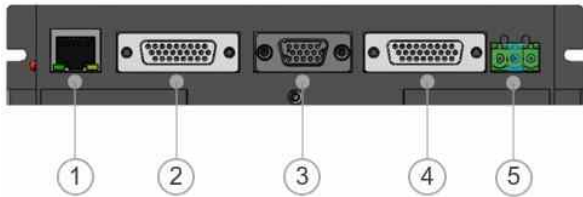
标准控制器 ZRH-SC101

Standard Controller ZRH-SC101



外观尺寸
Appearance Dimension

控制器接口
Controller interface

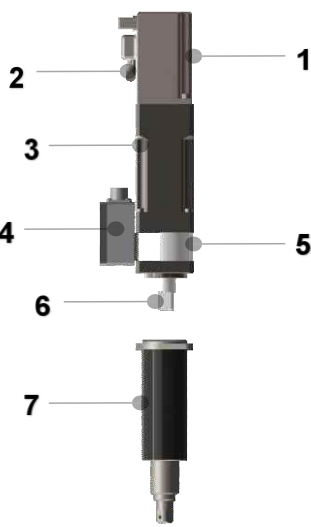


接口图解
Interface Diagram

左部	Left side
① TCP/IP通信接口	TCP/IP communication interface
② IO接口	IO interface
③ 通讯总线接口	Communication bus interface
④ 螺丝刀本体接口	Screwdriver body interface
⑤ 电源接口	Power supply interface

传感器式大扭矩智能伺服拧紧轴

Sensor-equipped High Torque Intelligent Servo Tightening Axis

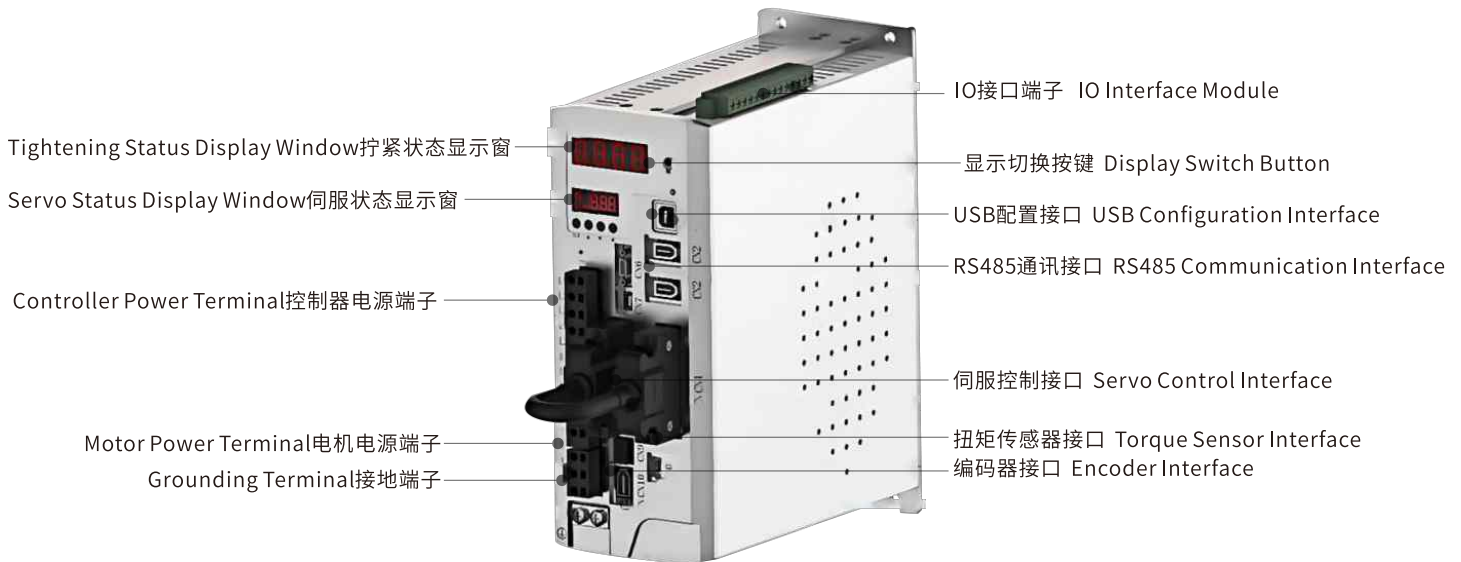


- ① 伺服电机：采用进口日本-安川伺服电机，保证了更高的功率输出，更成熟的控制
Servo Motor: Equipped with imported Japanese YZRHkawa servo motors , ensuring higher power output and more mature control.
- ② 线缆出口：电机电源线缆，编码器线缆，高柔性，高寿命
Cable Exit: Encoder cables, high flexibility, and long service life.
- ③ 减速器：采用高速精密行星减速机 APEX-AB 型（国际高端品牌），拥有更好的稳定性和使用寿命
Reducer: Utilizing high-speed precision planetary reducers APEX-AB type (an interna-tional high-end brand), offering better stability and service life.
- ④ 传感器出线口：独立的传感器出线设计，有效避免信号干扰，保证信号传输稳定性和效率
Sensor Cable Exit: Independent sensor cable design effectively avoids signal interference, ensuring stable signal transmission and efficiency.
- ⑤ 力传感器：高分辨率0.001NM，量程可达5000NM
Force Sensor: High resolution of 0.001Nm, with a meZRHurement range up to 5000Nm.
- ⑥ 动力输出方轴：高强度合金钢，提供更稳定的稳定作业和更长的使用寿命；同时，支持与多规格联轴器灵活装配使用，拆装快捷、作业稳定
Power Output Shaft: Made of high-strength alloy steel, providing more stable operation and longer service life; also supports flexible ZRHsembly with multi-specification couplings, quick disZRHsembly and stable operation.
- ⑦ 弹性联轴器：可提供多种的弹性联轴器，通过螺钉与工具本体安装，维护简单，可快速满足多种场景的拧紧作业
Flexible Coupling: Provides various specifications, models, and sizes of flexible couplings, which can be eZRHily installed with the body through screws, simple maintenance, and quick to meet the tightening needs of various scenarios.

内置复合力传感器	Built-in Composite force transducer
扭矩范围：2.0~10000.0 N.m	Torque Range: 2.0~10000.0 N.m
转速范围：0~600 rpm	Speed Range: 0~600 rpm
真实扭矩与压力检测	True torque and pressure detection
高精度，高效率，质量轻	High accuracy(±5%), Efficient and Lightweight
长寿命，空心杯无刷电机	Maintenance free thanks to brusless motor
作业高稳定性	CMK≥1.67(±5% 6-Sigma)
防静电设计	Electro-Static Discharge
多种结构形式	Can provide straight handle type, offset type, elbow type a variety of installation and use of forms to support the multi-axis control mode
支持多轴同时拧紧	single-stage system to support a maximum of 31 axes of coordinated action, multi-stage system axes are not limited to achieve centralized configuration and management.
静音作业	Low noise level < 70dB (A)
高适应性/高安全性	高防护、强大的抗干扰能力，可适应各种恶劣的环境具备自我诊断、假扭矩判断功能，提供报警输出信息，可有效避免意外情况的发生，更加可靠 High protection, strong anti-interference ability, can be adapted to a variety of harsh environments with self-diagnosis, false torque judgment function, provide alarm output in formation.

ZRH 系列控制器接口介绍

ZRH Series Controller Interfaces



多轴协同 Multi-axis Synergy

多轴协同控制模式，可同时支持32个拧紧轴联动。
Multi-axis synergy control mode supports the simultaneous linkage of up to 32 tightening axes

控制模式 Control Mode

同时具备总线型通信机能 (RS485) 和 IO 控制模式。
Equipped with both bus-type communication capability (RS485) and IO control mode

智能判断 Intelligent Diagnosis

具备自我诊断、假扭矩判断、报警信号输出等功能。
Equipped with self-diagnosis, pseudo-torque judgment, alarm signal output, and other functions

拧紧策略 Tightening Strategy

支持扭矩法、角度法、屈服法等多种拧紧方法。
Supports various tightening methods such as ZRH torque method, angle method, yield method, and others

产品选型列表

Product Selection List

(S42系列, 扭矩范围:2~48 NM)
(S42 Series, Torque Range :2~48 NM)

产品型号 Product Model (ZRH-AT)	最大扭矩 Maximum Torque (Nm)	额定扭矩 Rated Torque (Nm)	转速 Speed (RPM)	额定功率 Rated Power (W)	基座尺寸 BZRHe Size (mm)	重量 Weight (kg)	适配控制器 Compatible Controller	适配联轴器 Compatible Coupling
ZRH AT-A1-000T-060S	8	2-6	600	100	42	2	ZRH A-01-A	CP005-25-095 CP005-25-127
ZRH AT-A1-001T-040S	12	3-10	400	100	42	2	ZRH A-01-A	CP005-25-095 CP005-25-127
ZRH AT-A1-002T-024S	20	5-16	240	100	42	2	ZRH A-01-A	CP005-25-095 CP005-25-127
ZRH AT-A1-003T-015S	32	5-25	150	100	42	2	ZRH A-01-A	CP005-25-095 CP005-25-127
ZRH AT-A1-004T-012S	40	5-32	120	100	42	2	ZRH A-01-A	CP005-25-095 CP005-25-127
ZRH AT-A1-005T-010S	48	5-38	100	100	42	2	ZRH A-01-A	CP005-25-095 CP005-25-127
ZRH AT-A2-003T-060S	32	5-25	600	400	60	5	ZRH A-04-A	CP020-50-127 CP020-50-190
ZRH AT-A2-004T-040S	48	8-38	400	400	60	5	ZRH A-04-A	CP020-50-127 CP020-50-190

(S90、S115系列, 扭矩范围:8~218 NM)
(S90、S115 Series, Torque Range :8~318 NM)

产品型号 Product Model (ZRH-AT)	最大扭矩 Maximum Torque (Nm)	额定扭矩 Rated Torque (Nm)	转速 Speed (RPM)	额定功率 Rated Power (W)	基座尺寸 BZRHe Size (mm)	重量 Weight (kg)	适配控制器 Compatible Controller	适配联轴器 Compatible Coupling
ZRH AT-A2-006T-024S	79	8-64	240	400	60	5	ZRH A-04-A	CP020-50-127 CP020-50-190
ZRH AT-A2-010T-015S	127	20-102	150	400	60	5	ZRH A-04-A	CP020-50-127 CP020-50-190
ZRH AT-A2-013T-012S	159	30-127	130	400	60	5	ZRH A-04-A	CP020-50-127 CP020-50-190
ZRH AT-A3-005T-060S	60	8-48	600	750	90	12	ZRH A-08-A	CP050-50-190 CP050-50-254
ZRH AT-A3-012T-024S	149	20-120	240	750	90	12	ZRH A-08-A	CP050-50-190 CP050-50-254
ZRH AT-A3-019T-015S	239	35-191	150	750	90	12	ZRH A-08-A	CP050-50-190 CP050-50-254
ZRH AT-A3-024T-012S	299	45-239	120	750	90	12	ZRH A-08-A	CP050-50-190 CP050-50-254
ZRH AT-A3-028T-010S	359	50-287	100	750	90	12	ZRH A-08-A	CP050-50-190 CP050-50-254
ZRH AT-A3-016T-024S	199	25-159	240	1000	90	12	ZRH A-10-A	CP050-50-190 CP050-50-254
ZRH AT-A3-025T-015S	318	40-254	150	1000	90	12	ZRH A-10-A	CP050-50-190 CP050-50-254

产品选型列表

Product Selection List

(S90、S115系列, 扭矩范围:50~763 NM)
(S90、S115 Series, Torque Range :50~763 NM)

产品型号 Product Model (ZRH-AT)	最大扭矩 Maximum Torque (Nm)	额定扭矩 Rated Torque (Nm)	转速 Speed (RPM)	额定功率 Rated Power (W)	基座尺寸 BZrHe Size (mm)	重量 Weight (kg)	适配控制器 Compatible Controller	适配联轴器 Compatible Coupling
ZRH AT-A3-032T-012S	398	50-318	120	1000	90	12	ZRH A-10-A	CP050-50-190 CP050-50-254
ZRH AT-A3-038T-010S	450	70-382	100	1000	90	12	ZRH A-10-A	CP050-50-190 CP050-50-254
ZRH AT-B4-024T-024S	306	40-245	240	1500	115	22	ZRH B-15-B	CP050-50-190 CP050-50-254
ZRH AT-B4-040T-015S	490	70-392	150	1500	115	22	ZRH B-15-B	CP050-50-190 CP050-50-254
ZRH AT-B4-049T-012S	613	80-490	120	1500	115	22	ZRH B-15-B	CP050-50-190 CP050-50-254
ZRH AT-B4-059T-010S	735	100-588	100	1500	115	22	ZRH B-15-B	CP050-50-190 CP050-50-254
ZRH AT-B4-032T-024S	398	50-318	240	2000	115	22	ZRH B-20-B	CP050-50-190 CP050-50-254
ZRH AT-B4-050T-015S	636	90-509	150	2000	115	22	ZRH B-20-B	CP050-50-190 CP050-50-254
ZRH AT-B4-064T-012S	795	100-636	120	2000	115	22	ZRH B-20-B	CP050-50-190 CP050-50-254
ZRH AT-B4-076T-010S	930	120-763	100	2000	115	22	ZRH B-20-B	CP050-50-190 CP050-50-254
ZRH AT-B4-016T-060S	200	20-160	600	2500	115	22	ZRH B-25-B	CP050-50-190 CP050-50-254

(S90、S115系列, 扭矩范围:398~12540 NM)
(S90、S115 Series, Torque Range :398~12540 NM)

产品型号 Product Model (ZRH-AT)	最大扭矩 Maximum Torque (Nm)	额定扭矩 Rated Torque (Nm)	转速 Speed (RPM)	额定功率 Rated Power (W)	基座尺寸 BZrHe Size (mm)	重量 Weight (kg)	适配控制器 Compatible Controller	适配联轴器 Compatible Coupling
ZRH AT-B4-040T-024S	498	60-398	240	2500	115	22	ZRH B-25-B	CP050-50-190 CP050-50-254
ZRH AT-B4-080T-012S	990	120-796	120	2500	115	22	ZRH B-25-B	CP050-50-190 CP050-50-254
ZRH AT-B4-098T-010S	1225	150-980	120	3000	142	45	ZRH B-30-B	CP040-50-254 CP100-100-381
ZRH AT-B4-110T-010S	1470	200-1176	100	3000	142	45	ZRH B-30-B	CP040-50-254 CP100-100-381
ZRH AT-B5-032T-060S	395	50-316	600	5000	142	50	ZRH B-50-B	CP040-50-254 CP100-100-381
ZRH AT-B5-158T-012S	1950	300-1580	120	5000	142	50	ZRH B-50-B1	CP040-50-254 CP100-100-381
ZRH AT-B5-110T-024S	1394	200-1115	240	7000	142	70	ZRH B-70-B	CP040-50-254 CP100-100-381
ZRH AT-B5-195T-012S	1950	320-1950	120	7000	142	70	ZRH B-0-B1	CP040-50-254 CP100-100-381
ZRH AT-B6-230T-008S	2840	400-2272	75	4400	180	120	ZRH B-44-B	CP100-100-381
ZRH AT-B6-280T-006S	3550	500-2840	60	4400	180	120	ZRH B-44-B	CP100-100-381
ZRH AT-B6-350T-006S	3600	600-3500	60	5500	180	120	ZRH B-55-B	CP100-100-381
ZRH AT-B7-712T-006S	9500	1000-7125	60	15000	240	200	ZRH B-1E-B	CP100-100-381
ZRH AT-B8-1300T-003S	16720	2000-12540	34	15000	415	400	ZRH B-1E-B	CP100-100-381

供料器

Feeders



- 适用螺丝范围广(M1.6~M10), 导轨间距可根据螺丝大小自由调节, 可适用特殊螺丝, 如组合螺丝, 铆钉, 螺母等(特殊螺丝请联系供应商进行定制)
- 供料速度可调转盘送料速度与导轨送料速度独立控制, 可根据需要进行调整, 适合多种需要
 - 定位精准, 保证作业效率
 - 功能: 螺丝计数、故障报警、上料延时、振动延时
 - 有完成信号输出, 可与自动化设备联机

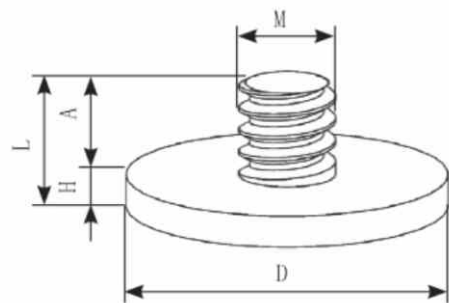
Wide Screw Compatibility: Suitable for screws ranging from M1.6 to M10. The guide rail spacing is adjustable based on screw size and can accommodate special screws (e.g., assembly screws, rivets, nuts). Contact the supplier for custom solutions for special screws.

- Adjustable Feeding Speed: The rotary and rail feeding speeds are independently controllable, allowing for adjustments to meet various production needs.
- Precise Positioning: Ensures efficient and accurate operations.
- Features: Includes screw counting, fault alarms, feeding delay, and vibration delay functions.
- Completion Signal Output: Capable of connecting with automated equipment.

型号Model	适用螺钉尺寸(mm)Screw Size (mm)		供料速度 pcs/min Feeding Speed (pcs/min)	取料高度 mm Pickup Height (mm)	重量 KG Weight (KG)	尺寸(mm) Dimensions (mm)	料仓容量 Hopper Capacity
	螺杆直径 ScrewRodDiameter	螺杆长度 ScrewRodLength					
SSF-X70	φ0.7~φ2	≤8	40~70	71.5±1	2.0±0.2	180*77*124	M1.5*5=1000pcs
SSF-X200R	φ1~φ6	≤16	50~70	81±1	3.0±0.2	180*123*155	M2.5*10=1500pcs
SSF-X200	φ1~φ6	≤16	50~70	76±1	3.2±0.5	203*126*154	M2.5*5=1500pcs
SSF-X450	φ1~φ6	≤20	50~70	93±1	4.5±0.5	264*163*182	M2.5*5=3000pcs
SSF-X900	φ1~φ6	≤30	50~70	123±1	6.0±0.5	288*195*210	M2.5*5=5000pcs

定制供料器-气吹式

Customized FEEDERS



参数介绍 Parameter Introduction		
系列 Series		80KD
螺丝规格长径比L/D≤1 Long-to-Diameter Ratio L/D ≤ 1	螺纹直径 Threaded Diameter	M0.8~M2
	螺杆长度 Screw Length	<6mm
	螺帽直径 Nut Diameter	1.5≤D≤7mm
	螺帽厚度 Nut Thickness	0.2~2mm
尺寸(长*宽*高) Dimensions (L×W×H)		156×82×134(mm)
重量(本体) Weight (Body)		Approximately 1.9kg
容量 Capacity		60CC
额定工作气压 Rated Working Air Pressure		0.5MPa
设备电压 Equipment Voltage		DC12V
额定功率 Rated Power		24W
进气管径 Inlet Air Diameter		真空接口直径6mm 吹料接口直径 8mm Vacuum Interface Diameter: 6mm Blowing Interface Diameter: 8mm
耗气量 Air Consumption		MAX90L/min
供料节拍 Feed pace		1-1.5 S/Pcs
定位精度 Positioning Accuracy		+0.05mm
选配功能 Optional Functions		扫码开盖、真空拾取 QR Code Opening, Vacuum Pickup
注:超规格螺丝, 请与我们联系, 我们会为您提供特殊定制的方案。 For screws exceeding specifications, please contact us for customized solutions.		

定制供料器-气吹式

Customized FEEDERS



螺钉适用范围参数(非标) Screw Applicability Parameters (Non-Standard Specifications)					
型号 Model	名称 Name	螺杆直径M Screw Rod Diameter M	螺牙长度L Thread Length L	螺丝总长L1 Total Screw Length L1	螺帽直径D Screw Head Diameter D
		(mm)	(mm)	(mm)	(mm)
QTC-200	推举式供钉机 Push-Type Screw Feeder	2.0	≤40	≤49	3≤D≤12
		2.3			
		2.6			
		3.0			
		4.0			
		5.0			
		6.0			
		8.0			
型号 Model		QTC-200			
电源输入 Power Input		AC100-240V(50/60HZ)			
电源输出 Power Output		DC15V2.0AGO			
外形尺寸 Dimensions		L361*W201.5*H357			
重量(kg) Weight (kg)		N.W 20KGS			
螺丝容量 Screw Capacity		0.6L			
螺钉要求 Screw Requirements		长径比大于1.5(总长: 相径), 小于 1.5可接收定制 Aspect ratio greater than 1.5 (total length: shank diameter), customization available for less than 1.5.			
选配功能 Optional Functions		计数功能、过载保护、智能电批 Counting function, overload protection, intelligent screwdriver.			
注:超规格螺丝, 请与我们联系, 我们会为您提供特殊定制的解决方案。 For screws exceeding specifications, please contact us for customized solutions.					

力臂架

Arm frame

为什么需要扭力臂？

Why Torque Arms Are Needed

为了员工的健康, 以及高精度的需求, 给他们准备另一只手臂, 它可以固定工具, 承受 拧紧的巨大反作用力, 还能避免反冲导致的扭矩和角度丢失。

To safeguard employee health and meet high-precision demands, we've equipped them with an additional arm. This arm secures tools, absorbs the significant reaction forces from tightening, and prevents torque and angle loss from kickback.



得利于模块化的设计, 当客户有定位需求时, 只需准备定位所需的零件, 直接装在普通力臂上 即可升级为定位力臂, 让这只手臂更加智能。同时, 对称的设计也能让客户随心所欲转换力臂 方向, 降低干涉风险, 提高通用性。

Thanks to its modular design, customers can easily upgrade a standard torque arm to a positioning one by adding positioning components, boosting its intelligence. The symmetrical design also allows effortless directional changes, reducing interference risks and enhancing versatility.

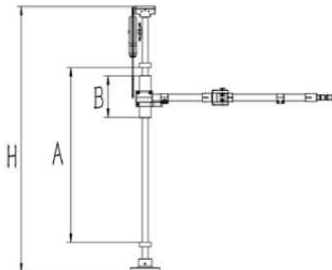
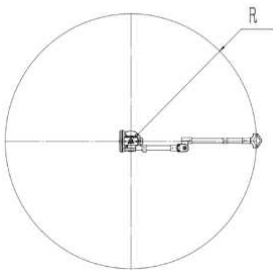
AF-FC系列

AF-FC Series



- 适用于小负载等3C工位
 - 桌面和线体两种安装方式
 - 远距双轴承关节, 更加稳定
 - 结构简洁轻便美观
 - 模块化设计, 可以直接升级到定位力臂
- Suitable for 3C workstations with low-load applications.
Two installation options: desktop or assembly line.
Long-distance dual-bearing joints for enhanced stability.
Simple, lightweight, and aesthetically pleasing structure.
Modular design allows direct upgrade to a positioning arm.

- 尺寸规格
- Model Specifications



型号Model	最大Nm Max Torque (Nm)		上下行程 Vertical Travel Range (A—B) (A—B)	工作半径R Working Radius®		高度H Height (H)
	水平Horizontal	垂直 Vertical		最小 Min	最大 Max	
AF-FC10E	10	20	500	100	700	1000
AF-FC20D	20	30	500	100	600	1000
AF-FC30C	30	40	600	100	500	1000
AF-FC40B	40	50	600	100	400	1000
AF-FC50A	50	60	600	100	300	1000

AF-FS系列

AF-FS Series

- 适用于大负载工位
- 桌面和线体两种安装方式
- 远距双轴承关节, 更加稳定
- 结构简洁轻便美观
- 模块化设计, 可以直接升级到定位力臂

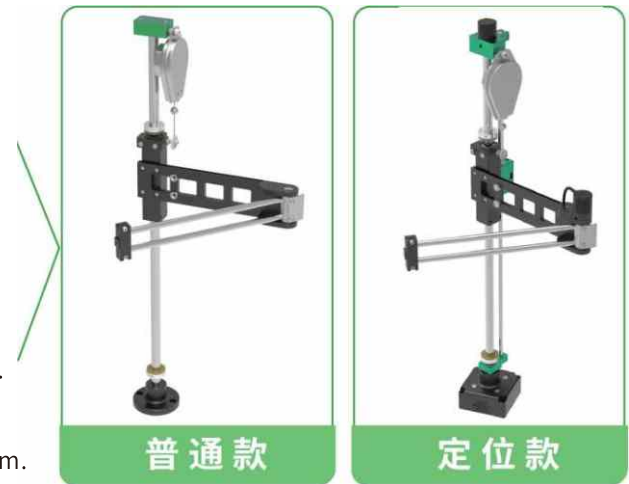
Suitable for workstations with high-load applications.

Two installation options: desktop or assembly line.

Long-distance dual-bearing joints for enhanced stability.

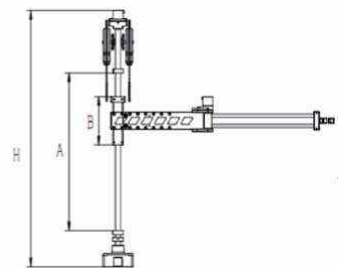
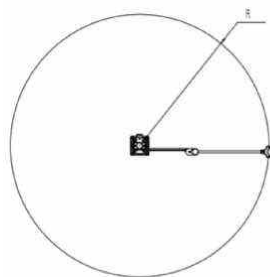
Simple and rigid structure.

Modular design allows direct upgrade to a positioning arm.



•尺寸规格

•Model Specifications



型号Model	最大Nm Max Torque (Nm)		上下行程 Vertical Travel Range (A—B) (A—B)	工作半径R Working Radius®		高度H Height (H)
	水平Horizontal	垂直 Vertical		最小 Min	最大 Max	
AF-FS20F	20	20	500	100	800	1000
AF-FS40E	40	30	500	100	700	1000
AF-FS60D	60	40	500	100	600	1000
AF-FS80C	80	60	600	100	500	1000
AF-FS100B	100	80	600	100	400	1000

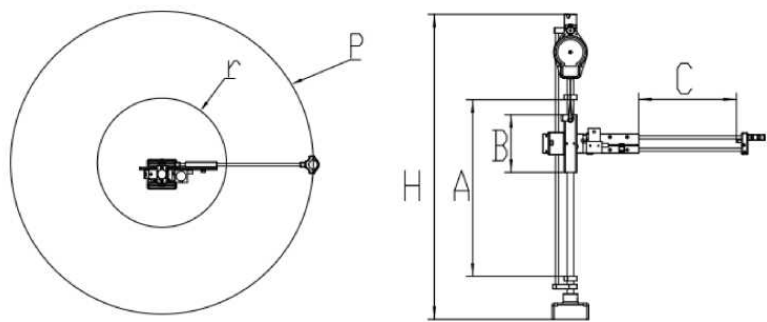
AF-PS系列

AF-PS Series.



- 适用于中负载工位
 - 适用于左右空间紧凑的工位
 - 桌面和线体两种安装方式
 - 水平位移采用拉线传感器，兼容性更广设计，可以直接升级
 - 模块化到定位力臂
- Suitable for medium-load workstations.
Ideal for workstations with limited space on both sides.
Two installation options: desktop or assembly line.
Horizontal displacement uses a cable sensor for broader compatibility and direct upgrade capability.
Modular design allows direct upgrade to a positioning arm.

- 尺寸规格
- Model Specifications



型号Model	最大Nm Max Torque (Nm)		上下行程 Vertical Travel Range (A—B) (A—B)	工作半径R Working Radius®		高度H Height (H)
	水平Horizontal	垂直 Vertical		最小 Min	最大 Max	
AF-FP20F	20	30	500	300	800	1000
AF-FP40E	40	40	500	200	700	1000
AF-FP60D	60	60	600	200	600	1000
AF-FP80C	80	80	600	200	500	1000

AF-CS系列

AF-CS Series



-伸缩结构,行程超长,可达2m,适用于大工件工位

-配置1个数字型角度传感器,1个数字型拉线传感器 配合TPS精确定位工具拧紧位置

-结构简单,滑动顺畅。

-一般配合平衡器悬吊使用

Telescopic structure with an extra-long stroke of up to 2m, suitable for large workpiece workstations.
Equipped with 1 digital angle sensor and 1 digital cable sensor, which work with TPS for precise tool tightening position control.

Simple structure with smooth sliding action.

Typically used in conjunction with a balancer for suspension.

•尺寸规格

•Model Specifications

型号Model	最大Nm Max Torque (Nm)		工作半径R Working Radius [®]	
	水平Horizontal	垂直 Vertical	最小 Min	最大 Max
AF-SC20H	20	20	300	1000
AF-SC40G	40	40	300	900
AF-SC80F	80	80	200	800
AF-SC120E	120	120	200	700
AF-SC160D	160	160	200	600

套筒选择器

Socket (Bit) Selector

为什么需要套筒(批头)选择器

需要套筒(批头)选择器

Why You Need a Socket (Bit) Selector



不同的产品对扭矩的要求也不一样,甚至同一个产品里也会存在不同的扭矩需求,虽然操作员可以通过手动切换Pset,但容易疏忽,导致产品报废。并且型号相似的螺帽,用同一根批头也会导致螺栓损伤、扭矩不足。有了套筒选择器,当操作员拿起批头的时候,选择器会根据拿取的位置自动切换对应的Pset,避免失误,提高良率。

•智能:

套筒选择器不同于市面上普通的被动选择器,它能根据工艺要求,主动提示操作员拿取某个批头,当操作员拿取错误的批头时,不但不会切换Pset,还会报警,充分消除风险。

•方便:

选择器支持串口(RJ485)和I/O两种通讯方式,使用标准成品线,即插即用,无需额外接线工作。

Different products have varying torque requirements, and even within the same product, different torque specifications may be needed. While operators can manually switch Pset (preset torque values), this process is prone to human error, leading to product defects and scrap. Additionally, using the same bit for similar nuts can cause bolt damage or insufficient torque. A socket selector eliminates these issues by automatically switching the corresponding Pset when the operator picks up a bit, reducing errors and improving product quality.

Intelligent Features

Unlike conventional passive selectors, this socket selector actively guides operators based on process requirements. It prompts operators to pick up the correct bit and alerts them if the wrong bit is selected. Not only does it fail to switch Pset in such cases, but it also triggers an alarm to eliminate risks.

Convenient Operation

The selector supports serial communication (RJ485) and I/O interfaces, using standard cables for plug-and-play installation. This eliminates the need for additional wiring, making it easy to integrate into existing systems.

SL-C4-32 系列/SL-H8-32 系列

SL-C4-32 Series/SL-H8-32 Series

SL-C4-32 系列SL-C4-32 Series

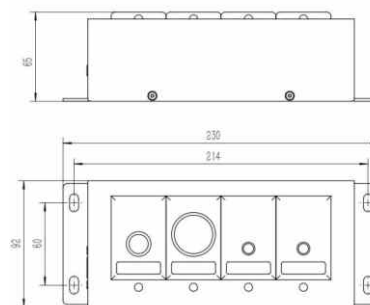
-模块化设计, 通过更换模块即可兼容4个外径32mm以下所有套筒, 可以同时摆放套 筒和批头

-RJ485串口和I/O两种通讯可用

Modular design allows compatibility with all sockets and bits with an outer diameter of less than 32mm by simply replacing modules. It can simultaneously hold sockets and bits.

Supports both RJ485 serial and I/O communication.

SL-H8-32 Series



尺寸规格: 孔径超过32mm时, 长宽尺寸将会增加
Dimensions: The length and width will increase if the hole diameter exceeds 32 mm.

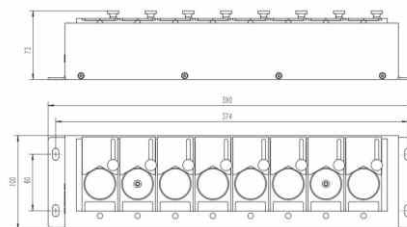
SL-H8-32 系列SL-H8-32 Series

-通用设计, 通过调节盖板的位置即可兼容8个外径32mm以下所有套筒

-RJ485串口和I/O两种通讯可用

Universal design enables compatibility with all sockets and bits with an outer diameter of less than 32mm by adjusting the cover plate position.

Supports both RJ485 serial and I/O communication.

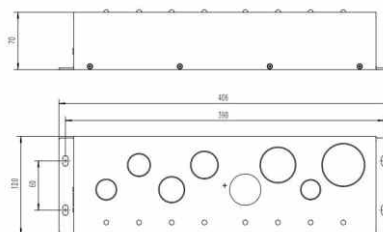


尺寸规格: 孔径超过32mm时, 长宽尺寸将会增加
Dimensions: The length and width will increase if the hole diameter exceeds 32 mm.

SL-H8-32 系列SL-H8-32 Series

在长度不变的情况下, 将套筒W型排列, 可容纳最大外径50mm的套筒。

In the same length, the sockets are arranged in a W-type pattern, allowing accommodation of sockets with a maximum outer diameter of 50mm.



尺寸规格: 孔径超过50mm时, 长宽尺寸将会增加
Dimensions: The length and width will increase if the hole diameter exceeds 50mm.

自动螺丝机

Automatic screw machine

螺丝机型



TD-331/441/551



TS-5331



TSR-5331



TD-SJ01

设备参数介绍

Equipment Parameters Introduction

TD-331/441/551



品名: Name:	自动螺丝机 Automatic Screwdriving Machine
型号: model	TD-331/441/551
行程范围: Stroke Range:	(300&400&500) Z轴100
重复精度: Repeatability Accuracy:	±0.02mm
编程方式: Programming Method:	示教编程 Teach - pendant programming
移动速度: Moving Speed:	0-500mm/sec
运动轨迹: Motion Trajectory:	点/线/弧及不规则路径 Points/Lines/Arcs and Irregular Paths
电源: Power Supply:	AC 220V, 0.6KW;
工作气压: Working Air Pressure:	0.5~0.7Mpa;
电源: Power Supply:	AC 220V, 0.6KW;
产品工装: Product Fixtures:	根据产品定制 Customized According to Products
螺丝系统 Screw System	根据螺丝特性(吹吸) According to Screw Characteristics (Blowing and Suction)

TS-5331



品名: Name:	自动螺丝机 Automatic Screwdriving Machine
型号: model	TS-5331
行程范围: Stroke Range:	500*300*300*100
重复精度: Repeatability Accuracy:	±0.02mm
编程方式: Programming Method:	示教编程 Teach - pendant programming
移动速度: Moving Speed:	0-500mm/sec
运动轨迹: Motion Trajectory:	点/线/弧及不规则路径 Points/Lines/Arcs and Irregular Paths
电源: Power Supply:	AC 220V, 0.6KW;
工作气压: Working Air Pressure:	0.5~0.7Mpa;
电源: Power Supply:	AC 220V, 0.6KW;
产品工装: Product Fixtures:	根据产品定制 Customized According to Products
螺丝系统 Screw System	根据螺丝特性(吹吸) According to Screw Characteristics (Blowing and Suction)

设备参数介绍

Equipment Parameters Introduction

TSR-5331



品名: Name:	自动螺丝机 Automatic Screwdriving Machine
型号: model	TSR-5331
行程范围: Stroke Range:	500*300*300*100
重复精度: Repeatability Accuracy:	±0.02mm
编程方式: Programming Method:	示教编程 Teach - pendant programming
移动速度: Moving Speed:	0-500mm/sec
运动轨迹: Motion Trajectory:	点/线/弧及不规则路径 Points/Lines/Arcs and Irregular Paths
电源: Power Supply:	AC 220V, 0.6KW;
工作气压: Working Air Pressure:	0.5~0.7Mpa;
电源: Power Supply:	AC 220V, 0.6KW;
产品工装: Product Fixtures:	根据产品定制 Customized According to Products
螺丝系统 Screw System	根据螺丝特性 (吹吸) According to Screw Characteristics (Blowing and Suction)

TD-SJ01



品名: Name:	自动螺丝机 (CCD/智能锁付枪) Automatic Screwdriving Machine (CCD/Smart Screwdriving Gun)
型号: model	TD-SJ01
行程范围: Stroke Range:	500*300*300*100
重复精度: Repeatability Accuracy:	±0.02mm
编程方式: Programming Method:	PLC/上位机 PLC/Host Computer
移动速度: Moving Speed:	0-500mm/sec
运动轨迹: Motion Trajectory:	点/线/弧及不规则路径 Points/Lines/Arcs and Irregular Paths
电源: Power Supply:	AC 220V, 0.6KW;
工作气压: Working Air Pressure:	0.5~0.7Mpa;
电源: Power Supply:	AC 220V, 0.6KW;
产品工装: Product Fixtures:	根据产品定制 Customized According to Products
螺丝系统 Screw System	根据螺丝特性 (吹吸) According to Screw Characteristics (Blowing and Suction)

产品认证-CE/FCC

Product Certificates-EMC Directive /Low Voltage Directive

CERTIFICATE OF CONFORMITY

Certificate No.: CKEYS250320045

Applicant : Suzhou Zhongrun Industry Machinery Co., Ltd.
Address : Building 2, No. 356, Mudong Highway, Mada Town, Wuzhong District, Suzhou
Manufacturer : Suzhou Zhongrun Industry Machinery Co., Ltd.
Address : Building 2, No. 356, Mudong Highway, Mada Town, Wuzhong District, Suzhou
Trade mark : ZRH/众锐禾
Product : Sensor-type smart screwdriver
Model No. : ZRH-H20(D), ZRH-F10(A), ZRH-F10(B), ZRH-F10(C), ZRH-F20(D),
ZRH-F20(E), ZRH-F20(F), ZRH-F20(G), ZRH-F20(H), ZRH-F20(I),
ZRH-F20(K), ZRH-F20(M), ZRH-H10(A), ZRH-H10(B), ZRH-H10(C),
ZRH-H20(D), ZRH-H20(E), ZRH-H20(F), ZRH-H20(G), ZRH-H20(H),
ZRH-H20(I), ZRH-H20(K), ZRH-H20(M), ZRH-A10(F), ZRH-A10(I), ZRH-A20(F),
ZRH-A20(G), ZRH-A20(H), ZRH-A20(K), ZRH-P20(D), ZRH-P20(E), ZRH-P20(F),
ZRH-P20(G), ZRH-P20(H), ZRH-P20(I), ZRH-P20(K), ZRH-P20(M)

MD Directive - 2006/42/EC

The standard(s) used for showing compliance with the essential requirements:

Applicable Standard(s) : EN ISO12100:2010

This certificate is part of the full test report(s) and should be read in conjunction with the test report RKEYS250310117.
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Manufacturer : Suzhou Zhongrun Industry Machinery Co., Ltd.
Address : Building 2, No. 356, Mudong Highway, Mada Town, Wuzhong District, Suzhou
Trade mark : ZRH/众锐禾
Product : Sensor-type smart screwdriver
Model No. : ZRH-H20(D), ZRH-F10(A), ZRH-F10(B), ZRH-F10(C), ZRH-F20(D),
ZRH-F20(E), ZRH-F20(F), ZRH-F20(G), ZRH-F20(H), ZRH-F20(I),
ZRH-F20(K), ZRH-F20(M), ZRH-H10(A), ZRH-H10(B), ZRH-H10(C),
ZRH-H20(D), ZRH-H20(E), ZRH-H20(F), ZRH-H20(G), ZRH-H20(H),
ZRH-H20(I), ZRH-H20(K), ZRH-H20(M), ZRH-A10(F), ZRH-A10(I), ZRH-A20(F),
ZRH-A20(G), ZRH-A20(H), ZRH-A20(K), ZRH-P20(D), ZRH-P20(E),
ZRH-P20(F), ZRH-P20(G), ZRH-P20(H), ZRH-P20(I), ZRH-P20(K),
ZRH-P20(M)

The submitted sample of the above equipment has been tested and found to comply with the following European Directive:

EMC Directive - 2014/53/EU

The standard(s) used for showing compliance with the essential requirements:

Applicable Standard(s) : EN IEC 61000-6-2:2019
EN IEC 61000-6-4:2019
EN IEC 61000-3-2:2019+A1:2021+A2:2024
EN 61000-3-3:2013+A1:2019+A2:2021

This certificate is part of the full test report(s) and should be read in conjunction with the test report RKEYS250310116.
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Manufacturer : Suzhou Zhongrun Industry Machinery Co., Ltd.
Address : Building 2, No. 356, Mudong Highway, Mada Town, Wuzhong District, Suzhou
Trade mark : ZRH/众锐禾
Product : Sensor-type smart screwdriver
Model No. : ZRH-H20(D), ZRH-F10(A), ZRH-F10(B), ZRH-F10(C), ZRH-F20(D),
ZRH-F20(E), ZRH-F20(F), ZRH-F20(G), ZRH-F20(H), ZRH-F20(I),
ZRH-F20(K), ZRH-F20(M), ZRH-H10(A), ZRH-H10(B), ZRH-H10(C),
ZRH-H20(D), ZRH-H20(E), ZRH-H20(F), ZRH-H20(G), ZRH-H20(H),
ZRH-H20(I), ZRH-H20(K), ZRH-H20(M), ZRH-A10(F), ZRH-A10(I), ZRH-A20(F),
ZRH-A20(G), ZRH-A20(H), ZRH-A20(K), ZRH-P20(D), ZRH-P20(E),
ZRH-P20(F), ZRH-P20(G), ZRH-P20(H), ZRH-P20(I), ZRH-P20(K),
ZRH-P20(M)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

The submitted sample of the above equipment has been tested and found to comply with the following Standard(s)

Applicable Standard(s) : 47 CFR FCC Part 15, Subpart B
ANSI C63.4-2014

This certificate is part of the full test report(s) and should be read in conjunction with the test report RKEYS250310114.
The Sample was tested to conform to the applicable FCC Rules and Regulations. The method of testing was in accordance to the most accurate measurement standards possible and that all necessary steps have been enforced to assure that all production units of the same equipment will continue to comply with the Federal Communications Commission's requirements.



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CERTIFICATE OF CONFORMITY

Certificate No.: CKEYS250320044

Applicant : Suzhou Zhongrun Industry Machinery Co., Ltd.
Address : Building 2, No. 356, Mudong Highway, Mada Town, Wuzhong District, Suzhou
Manufacturer : Suzhou Zhongrun Industry Machinery Co., Ltd.
Address : Building 2, No. 356, Mudong Highway, Mada Town, Wuzhong District, Suzhou
Trade mark : ZRH/众锐禾
Product : Sensor-type smart screwdriver
Model No. : ZRH-H20(D), ZRH-F10(A), ZRH-F10(B), ZRH-F10(C), ZRH-F20(D),
ZRH-F20(E), ZRH-F20(F), ZRH-F20(G), ZRH-F20(H), ZRH-F20(I),
ZRH-F20(K), ZRH-F20(M), ZRH-H10(A), ZRH-H10(B), ZRH-H10(C),
ZRH-H20(D), ZRH-H20(E), ZRH-H20(F), ZRH-H20(G), ZRH-H20(H),
ZRH-H20(I), ZRH-H20(K), ZRH-H20(M), ZRH-A10(F), ZRH-A10(I), ZRH-A20(F),
ZRH-A20(G), ZRH-A20(H), ZRH-A20(K), ZRH-P20(D), ZRH-P20(E), ZRH-P20(F),
ZRH-P20(G), ZRH-P20(H), ZRH-P20(I), ZRH-P20(K), ZRH-P20(M)

Low Voltage Directive - 2014/53/EU

The standard(s) used for showing compliance with the essential requirements:

Applicable Standard(s) : EN 60204-1:2018

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主要合作客户

Main customer

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TANK



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苏州众锐禾智能科技有限公司

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