



电能表外置低压断路器自动化装配检测柔性生产线  
ELECTRICITY METER EXTERNAL LOW-VOLTAGE CIRCUIT  
BREAKER AUTOMATIC ASSEMBLY AND TESTING FLEXIBLE  
PRODUCTION LINE





## 高端智能装备整体解决方案

High-end intelligent equipment overall solutions



## QUALIFICATIONS 公司简介》》

奔龙自动化科技有限公司是一家自动化系统集成技术为核心，专注数字化智能制造装备的国家级高新技术企业，成立于2008年，注册资金5088万元，位于“中国电器之都”——温州市，2015年获得“国家高新技术企业”证书、拥有国家专利146项+，软件著作权26项+，先后获得“浙江省科技型中小企业”“乐清市科技(创新)型企业”“乐清市专利示范企业”“重合同、守信用”诚信企业”浙江省科学技术进步奖”、AAA级信用企业等荣誉。

自成立以来,奔龙在创始人赵宗礼先生的带领下,紧跟国家政策和行业发展趋势,以客户需求为导向,与高校进行“产学研合作及出国培训学习+合作拥有成熟的科研团队,形成以“自主核心技术、关键零部件、核心产品及行业定制解决方案”为一体的完整产业链。奔龙聚焦细分市场、聚焦产品能力提升,聚焦创新研发,在细分市场占有率高,行业地位突出,是低压电器智能化产品线服务较全的提供商之一。

匠心智造,突破创新奔龙利用新技术、新产品,先后将机器人、传感器、人工智能、云计算、物联网、MES技术融入低压电器、通讯、电子等产业,为现代制造企业提供全系列智能装备制造的定制解决方案实现生产智能化、柔性化、模块化、自动化流程追溯等,致力成为低压电器行业数字化智能装备制造领域的隐形冠军,以智能制造助推工业4.0发展,业务遍及30多个国家和地区。

Benlong Automation Technology Co., Ltd. is a national high-tech enterprise with automation system integration technology as its core, focusing on digital intelligent manufacturing equipment. Established in 2008, with a registered capital of 50.88 million yuan, it is located in Wenzhou, one of the "Capital of Electrical Appliances in China". In 2015, it obtained the "National High tech Enterprise" certificate, owned 146 national patents, and 26 software copyrights. It has successively won the "Science and Technology Progress Award of Zhejiang Province", "Science and Technology (Innovation) Enterprise of Yueqing City", "Patent Demonstration Enterprise of Yueqing City", "Contract abiding and Credible" Integrity Enterprise", "Science and Technology Progress Award of Zhejiang Province", AAA Credit Enterprise and other honors.

Since its establishment, under the leadership of its founder, Mr. Zhao Zongli, Benlong has closely followed national policies and industry development trends, guided by customer needs, and engaged in "industry university research cooperation and overseas training and learning" cooperation with universities. It has a mature research team, forming a complete industrial chain that integrates "independent core technology, key components, core products, and industry customized solutions". Benlon focuses on market segmentation, product capability improvement, innovative research and development. It has a high market share in the market segment and a prominent position in the industry. It is one of the providers with comprehensive services in the intelligent product line of low-voltage electrical appliances.

Making innovations with ingenuity and intelligence, Benlong has integrated robotics, sensors, artificial intelligence, cloud computing, Internet of Things, MES technology into low-voltage appliances, communications, electronics and other industries by using new technologies and new products, providing modern manufacturing enterprises with a full range of customized solutions for intelligent equipment manufacturing to achieve intelligent, flexible, modular, automated process tracking, etc. It is committed to becoming an invisible champion in the field of digital intelligent equipment manufacturing in the low-voltage electrical appliance industry, boosting the development of Industry 4.0 with intelligent manufacturing, and its business covers more than 30 countries and regions.





 **SOLUTION**  
解决方案



**电力行业**  
Power industry



**3C电子行业**  
3C Electronics Industry



**新能源行业**  
New energy industry



**航空航天行业**  
Aerospace industry



**通信行业**  
Communication industry



**医疗医药行业**  
Medical and pharmaceutical industry



**汽车/机动车行业**  
Automotive/Motor Vehicle Industry



**五金/服装行业**  
Hardware/Clothing Industry



**文具/玩具行业**  
Stationery/Toy Industry



**印刷/工艺品行业**  
Printing/Crafts Industry



**照明/家具行业**  
Lighting/Furniture Industry



**日化/食品行业**  
Daily chemical/food industry



# 七大服务体系 只为您更满意

Seven service systems

Just to make you more satisfied



高效 专业 用心 品质

EFFICIENT, PROFESSIONAL, CAREFUL, QUALITY



## 技术服务与支持 TECHNICAL SERVICE AND SUPPORT

设备连接网络、奔龙自动化专业工程技术人员随时可以远程协助维护及查找原因。  
With the equipment connected to the network, Benlong Automation's professional engineers and technicians are always available to assist remotely with maintenance and cause finding.



## 技术服务与支持 TECHNICAL SERVICE AND SUPPORT

双方单位工程技术人员随时可以电话和微信、QQ视频等进行技术支持与沟通。  
Technical support and communication between engineers and technicians from both units is available at any time by telephone and WeChat, QQ video, etc.



## 技术服务与支持 TECHNICAL SERVICE AND SUPPORT

设备在发货前，邀请客户指派技术人员3~5人到奔龙自动化公司进行20~30天的专业操作、维修、生产线原理培训。  
Before the equipment is shipped, the customer is invited to assign 3-5 technicians to Benlong Automation for 20-30 days of professional training in operation, maintenance and production line principles.



## 技术服务与支持 TECHNICAL SERVICE AND SUPPORT

设备在发货前，奔龙自动化公司提供一整套易损件实物、图纸、型号、品牌、供应商联系方式。  
Before the equipment is shipped, Benlong Automation provides a complete set of wearing parts in kind, drawings, models, brands and supplier contacts.



## 技术服务与支持 TECHNICAL SERVICE AND SUPPORT

设备在发货时，奔龙自动化公司提供一套日常维修、易损件更换过程的视频及3D动画原理图。  
When the equipment is delivered, Benlong Automation provides a set of videos and 3D animated schematics of the daily maintenance and wear parts replacement process.



## 技术服务与支持 TECHNICAL SERVICE AND SUPPORT

奔龙自动化官方网站上传设备日常维修、易损件更换过程的视频及资料。  
The official website of Benlong Automation uploads videos and information on the daily maintenance of the equipment and the replacement process of wearing parts.



## 技术服务与支持 TECHNICAL SERVICE AND SUPPORT

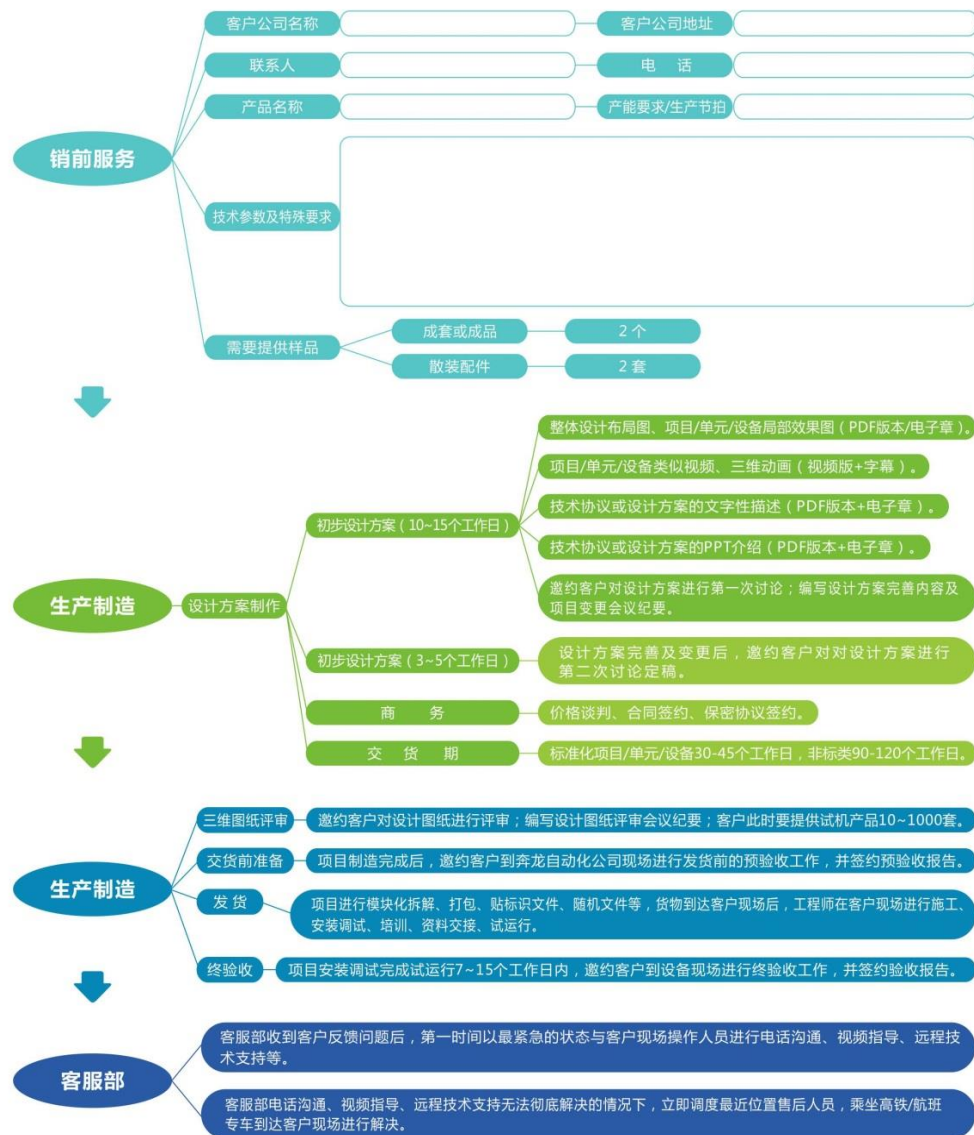
建议奔龙自动化输送2-3中国人员至客户公司上班，配置人员的基本要求：熟悉产品生产工艺、熟悉产品质量管控、熟悉设备原理、熟悉设备操作技能、熟悉设备日常维护保养、熟悉设备配件更换及设备维修。  
It is recommended that Benlong Automation transport 2-3 Chinese personnel to the customer's company to work, the basic requirements for staffing: familiar with product production process, product quality control, equipment principle, equipment operation skills, equipment The basic requirements are: familiarly with the production process, product quality control, equipment principles, equipment operation skills, equipment routine maintenance, equipment parts replacement and equipment repair.



## Customer demand survey and automated project process

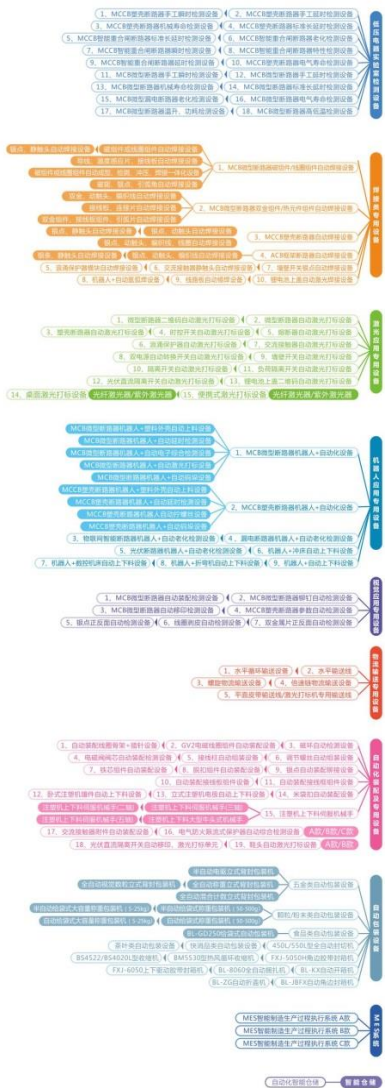


## 客户需求调查及自动化项目流程





自动化生产线 / 设备产品族谱图 AUTOMATED PRODUCTION LINES / EQUIPMENT PRODUCT FAMILY CHART



高低压电器元件自动化生产线





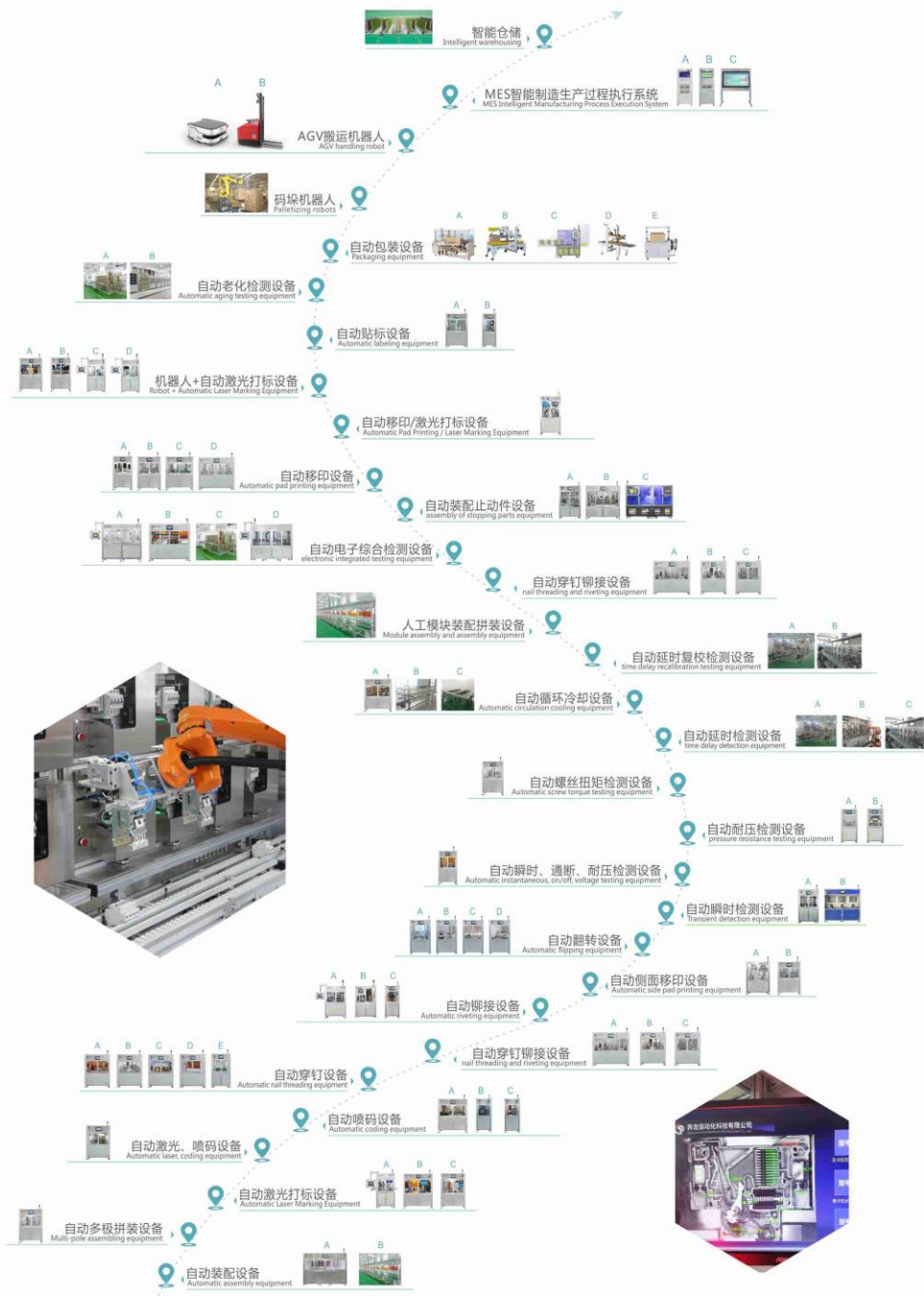
# CONTENTS

## 目录

### 电能表外置低压断路器自动化装配检测柔性生产线

Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

自动装设备 A/B Automatic Assembly Equipment A/B	001/004
自动多级拼装设备 Automatic multi-pole assembling equipment	005/006
自动激光打标设备 A/B/C Automatic Laser Marking Equipment A/B/C	007/012
自动激光、喷码设备 Automatic laser, coding equipment	013/014
自动喷码设备 A/B/C Automatic coding equipment A/B/C	015/020
自动穿钉设备 A/B/C/D/E Automatic nail threading equipment A/B/C/D/E	021/030
自动穿钉铆接设备 A/B/C Automatic nail threading and riveting equipment A/B/C	031/036
自动铆接设备 A/B/C Automatic riveting equipment A/B/C	037/042
自动侧面移印设备 A/B Automatic side pad printing equipment A/B	043/046
自动翻转设备 A/B/C/D Automatic flip equipment A/B/C/D	047/054
自动瞬时检测设备 A/B Automatic transient testing equipment A/B	055/058
自动瞬时、通断、耐压检测设备 Automatic transient, on-off, and voltage testing equipment	059/060
自动耐压检测设备 A/B Automatic pressure resistance testing equipment A/B	061/064
自动螺丝扭矩检测设备 Automatic screw torque testing equipment	065/066
自动延时检测设备 A/B/C Automatic time delay testing equipment A/B/C	067/072
自动循环冷却设备 A/B/C Automatic circulation cooling equipment A/B/C	073/078
自动延时复校检测设备 A/B Automatic time delay recalibration testing equipment A/B	079/082
人工模块装配拼装设备 Manual module assembly and assembly equipment	083/084
自动穿钉铆接设备 A/B/C Automatic nail threading and riveting equipment A/B/C	085/090
自动电子综合检测设备 A/B/C/D Automatic electronic comprehensive testing equipment A/B/C/D	091/098
自动装配止动设备 A/B/C Automatic assembly stop equipment A/B/C	099/104
自动移印设备 A/B/C/D Automatic pad printing equipment A/B/C/D	105/112
自动移印/激光打标设备 Automatic Pad Printing / Laser Marking Equipment	113/114
机器人+自动激光打标设备 A/B/C/D Robot + Automatic Laser Marking Equipment A/B/C/D	115/122
自动贴标设备 A/B Automatic labeling equipment A/B	123/126
自动老化检测设备 A/B Automatic aging inspection equipment A/B	127/130
自动包装设备 A/B/C/D/E Automatic packaging equipment A/B/C/D/E	131/140
机器人自动码垛设备 Robot automatic palletizing equipment	141/142
AGV自动物流设备 A/B AGV automatic logistics equipment A/B	143/146
MES智能制造生产过程执行系统 A/B/C MES Production Process Execution System A/B/C	147/152
智能仓储 Intelligent Storage	153/154
关于我们 About Us	155/156





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ASSEMBLY EQUIPMENT**  
**自动装配设备**



**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动装配设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic assembly equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching, remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment whole life cycle management.

A款 paragraph



B款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动上料、零部件成型、装配、检测、下料、缺料报警、90°旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件  
 寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 loading, component forming, assembly, testing, discharging, shortage alarm, 90° rotation and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V±10%，50Hz；±1Hz；
  - 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
  - 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  - 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；切换产品需要人工更换模具或夹具。
  - 5、装配方式：人工装配、自动装配两种可任意选配。
  - 6、设备夹具可根据产品型号定做。
  - 7、设备具有故障报警、压力监测等报警显示功能。
  - 8、中文版和英文版两种操作系统。
  - 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  - 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  - 11、具有独立的自主知识产权：
- 1 - Device input voltage 220V±10%, 50Hz; ±1Hz;
  - 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module.
  - 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  - 4 - The same shell frame products, different poles can be switched with one key or sweeping code; switching products requires manual replacement of molds or fixtures.
  - 5 - Assembly mode: manual assembly and automatic assembly can be optional.
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  - 7 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
  - 8 - Two kinds of operating systems, Chinese and English.
  - 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
  - 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  - 11 - With independent intellectual property rights:



001

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

002





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ASSEMBLY EQUIPMENT**  
**自动装配设备**

B



**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI 断路器、微型融合断路器  
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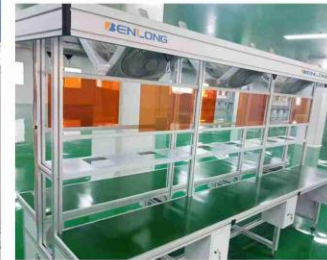
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A款 paragraph

B款 paragraph



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003

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004





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC MULTI-POLE ASSEMBLING EQUIPMENT**  
**自动多极拼装设备**

**设备名称 EQUIPMENT NAME**

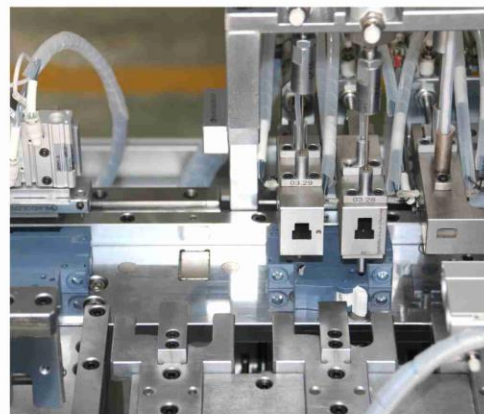
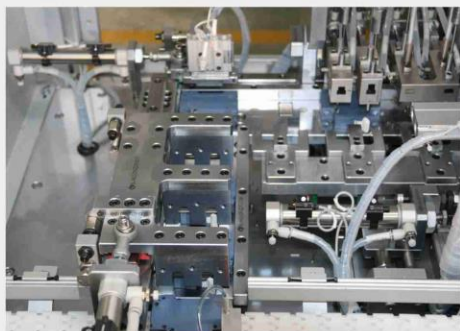
数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动多极拼装设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic multi-pole assembling equipment

**系统特点 SYSTEM FEATURES**

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 定制化、可视化、一键切换、远程维护设计、预警通知、  
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 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动上料、多极拼装、CCD视觉检测、下料、缺料报警、90°旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网，MES系统我们公司目前只做设备层信息采集与数据处理、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic loading, multi-pole assembly, CCD visual inspection, discharging, shortage alarm, 90° rotation and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system and ERP system networking, MES system our company currently only do equipment layer information collection and data processing, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压采用三相五线制380V±10%，50Hz；±1Hz；
2. 设备兼容极数：2P、3P、4P
3. 设备生产节拍或生产效率：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备，企业可以根据不同的产能和投资预算，选择不同的配置。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；切换产品需要人工更换模具或夹具。
5. 多极拼装方式：人工装配、半自动人机结合装配、自动装配三种可任意选配。
6. 不良品检测方式为：CCD视觉检测或光纤传感器检测两种配置。
7. 拼装零部件供料方式为振动盘供料；噪音≤80分贝。
8. 设备夹具可根据产品类型定做。
9. 设备具有故障报警、压力监测等报警显示功能。
10. 设备操作系统采用中文版和英文版两种操作系统，一键切换，方便快捷。
11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区在全球排行前十的知名品牌企业。
12. 设备设计的《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》功能可根据客户需求进行选配。
13. 该设备获得国家专利及相关知识产权



- 1 - The input voltage of the equipment adopts three-phase five-wire system 380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible with the number of poles: 2P, 3P, 4P
- 3 - Equipment production beat or production efficiency: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment, enterprises can choose different configurations according to different production capacity and investment budget.
- 4 - The same shell frame product, different poles can be switched by one key or sweeping the code to switch; switching products requires manual replacement of molds or fixtures.
- 5 - Multi-pole assembly method: manual assembly, semi-automatic man-machine combination assembly, automatic assembly of three kinds can be optional.
- 6 - Defective product detection mode: CCD visual detection or fiber optic sensor detection two configurations.
- 7 - assembled parts feeding method for vibration plate feeding; noise ≤ 80 decibels.
- 8 - Equipment fixture can be customized according to the product model.
- 9 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 10 - The operating system of the equipment adopts two operating systems, Chinese and English, one key switch, convenient and quick.
- 11 - All core parts are adopted from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc. in the world's top ten well-known brand companies.
- 12 - The equipment designed "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform" function can be optional according to customer needs.
- 13 - The equipment has obtained national patents and related intellectual property rights



005

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

006





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC LASER MARKING EQUIPMENT**  
**自动激光打标设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动激光打标设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic Laser Marking Equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动上料、自动激光打标、自动读码检测、自动下料、缺料报警、90°旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网，MES系统我们公司目前只做设备层信息采集与数据处理、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic feeding, automatic laser marking, automatic code reading and detection, automatic feeding, shortage alarm, 90° rotation and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, MES system our company currently only do equipment layer information collection and data processing, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压采用三相五线制380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
- 3、设备生产节拍或生产效率：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备，企业可以根据不同的产能和投资预算，选择不同的配置。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；切换产品需要人工更换模具或夹具。
- 5、装配方式：人工半自动激光打标、自动激光打标两种可任意选配。
- 6、不良品检测方式为：CCD视觉检测或读码器检测两种配置。
- 7、激光打标内容可以根据企业需求进行自定义，打标内容可以设定为二维码、可以为条形码，也可以将打标参数根据需要设定，可以根据打标内容自动调整焦距；设备噪音≤80分贝。
- 8、设备夹具可根据产品型号定做，打标的位置可以根据需求定做。
- 9、设备具有故障报警、压力监测等报警显示功能。
- 10、设备操作系统采用中文版和英文版两种操作系统，一键切换，方便快捷。
- 11、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区在全球排行前十的知名企业品牌。
- 12、设备设计的《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》功能可根据客户需求进行选配。
- 13、该设备获得国家专利及相关知识产权10多项。



- 1 - The input voltage of the equipment is 380V±10% of three-phase five-wire system, 50Hz; ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module.
- 3 - Equipment production beat or production efficiency: 1 sec/pole, 1.2 sec/pole, 1.5 sec/pole, 2 sec/pole, 3 sec/pole; five different specifications of equipment, companies can choose different configurations according to different production capacity and investment budget.
- 4 - The same shell frame products, different poles can be switched with one key or sweeping code switching; switching products requires manual replacement of molds or fixtures.
- 5 - Assembly method: manual semi-automatic laser marking, automatic laser marking of two optional.
- 6 - Defective product detection method: CCD visual detection or code reader detection two configurations.
- 7 - Laser marking content can be customized according to the needs of enterprises, marking content can be set to two-dimensional code, can be bar codes, marking parameters can also be set according to needs, can be automatically adjusted according to the marking content focus; equipment noise ≤ 80 decibels.
- 8 - The equipment fixture can be customized according to the product model, and the marking position can be customized according to the demand.
- 9 - The equipment has alarm display functions such as fault alarm and pressure monitoring.
- 10 - The operating system of the equipment adopts two operating systems, Chinese and English, one key switch, convenient and quick.
- 11 - All the core parts are used in Italy, Sweden, Germany, Japan, the United States, Taiwan and other different countries and regions in the world ranked in the top ten well-known enterprise brands.
- 12 - The equipment design of "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform" function can be optional according to customer needs.
- 13 - The equipment has obtained more than 10 national patents and related intellectual property rights.



**007**

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

**008**





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC LASER MARKING EQUIPMENT**  
**自动激光打标设备**

B

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI 断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动激光打标设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic Laser Marking Equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动上料、自动激光打标、自动读码检测、自动下料、缺料报警、90°旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网，MES系统我们公司目前只做设备层信息采集与数据处理、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic feeding, automatic laser marking, automatic code reading and detection, automatic feeding, shortage alarm, 90° rotation and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, MES system our company currently only do equipment layer information collection and data processing, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压采用三相五线制380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍或生产效率：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备，企业可以根据不同的产能和投资预算，选择不同的配置。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；切换产品需要人工更换模具或夹具。
5. 装配方式：人工半自动激光打标、自动激光打标两种可任意选配。
6. 不良品检测方式为：CCD视觉检测或读码器检测两种配置。
7. 激光打标内容可以根据企业需求进行自定义，打标内容可以设定为二维码、可以为条形码。也可以将打标参数根据需要设定，可以根据打标内容自动调整焦距；设备噪音≤80分贝。
8. 设备夹具可根据产品型号定做，打标的位置可以根据需求定做。
9. 设备具有故障报警、压力监测等报警显示功能。
10. 设备操作系统采用中文版和英文版两种操作系统，一键切换，方便快捷。
11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区在全球排行前十的知名企业品牌。
12. 设备设计的《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》功能可根据客户需求进行选配。
13. 该设备获得国家专利及相关知识产权10多项。



- 1 - The input voltage of the equipment is 380V±10% of three-phase five-wire system, 50Hz; ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module.
- 3 - Equipment production beat or production efficiency: 1 sec/pole, 1.2 sec/pole, 1.5 sec/pole, 2 sec/pole, 3 sec/pole; five different specifications of equipment, companies can choose different configurations according to different production capacity and investment budget.
- 4 - The same shell frame products, different poles can be switched with one key or sweeping code switching; switching products requires manual replacement of molds or fixtures.
- 5 - Assembly method: manual semi-automatic laser marking, automatic laser marking of two optional.
- 6 - Defective product detection method: CCD visual detection or code reader detection two configurations.
- 7 - Laser marking content can be customized according to the needs of enterprises, marking content can be set to two-dimensional code, can be bar codes, marking parameters can also be set according to needs, can be automatically adjusted according to the marking content focus; equipment noise ≤ 80 decibels.
- 8 - The equipment fixture can be customized according to the product model, and the marking position can be customized according to the demand.
- 9 - The equipment has alarm display functions such as fault alarm and pressure monitoring.
- 10 - The operating system of the equipment adopts two operating systems, Chinese and English, one key switch, convenient and quick.
- 11 - All the core parts are used in Italy, Sweden, Germany, Japan, the United States, Taiwan and other different countries and regions in the world ranked in the top ten well-known enterprise brands.
- 12 - The equipment design of "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform" function can be optional according to customer needs.
13. The equipment has obtained more than 10 national patents and related intellectual property rights.



009

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

010





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC LASER MARKING EQUIPMENT**  
**自动激光打标设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动激光打标设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic Laser Marking Equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动上料、自动激光打标、自动读码检测、自动下料、缺料报警、90°旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网，MES系统我们公司目前只做设备层信息采集与数据处理、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic feeding, automatic laser marking, automatic code reading and detection, automatic feeding, shortage alarm, 90° rotation and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking. MES system our company currently only do equipment layer information collection and data processing, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压采用三相五线制380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
- 3、设备生产节拍或生产效率：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备，企业可以根据不同的产能和投资预算，选择不同的配置。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；切换产品需要人工更换模具或夹具。
- 5、装配方式：人工半自动激光打标、自动激光打标两种可任意选配。
- 6、不良品检测方式为：CCD视觉检测或读码器检测两种配置。
- 7、激光打标内容可以根据企业需求进行自定义，打标内容可以设定为二维码、可以为条形码，也可以将打标参数根据需要设定，可以根据打标内容自动调整焦距；设备噪音≤80分贝。
- 8、设备夹具可根据产品型号定做，打标的位置可以根据需求定做。
- 9、设备具有故障报警、压力监测等报警显示功能。
- 10、设备操作系统采用中文版和英文版两种操作系统，一键切换，方便快捷。
- 11、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区在全球排行前十的知名企业品牌。
- 12、设备设计的《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》功能可根据客户需求进行选配。
- 13、该设备获得国家专利及相关知识产权10多项。





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC LASER,  
CODING EQUIPMENT**  
**自动激光、喷码设备**



**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动激光、喷码设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic laser and coding equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动激光打标二维码、喷条形码或产品ID码、CCD检测、不良品区分、缺料报警、竖立翻转水平、水平翻转竖立等工序的在线监测、  
 实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系  
 统、智能装备服务大数据云平台等功能。

With automatic laser marking two-dimensional code, spray bar code or product ID code, CCD detection, defective product differentiation, lack of material alarm, vertical flip horizontal,  
 horizontal flip vertical and other processes of online monitoring, real-time monitoring, quality traceability, bar code identification, key components life monitoring, data storage, MES  
 system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud  
 platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V/380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、5P
- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换；不同壳架产品需要人工更换模具或夹具。
- 5、设备夹具可根据产品型号定做。
- 6、激光参数可以预存控制系统内，自动调取打标；打标二维码参数与喷码参数可任意设定，一般≤24位。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。

- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 5P
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched with one key; different shell frame products need to change molds or fixtures manually.
- 5 - Equipment fixture can be customized according to the product model.
- 6 - Laser parameters can be pre-stored in the control system and automatically retrieved for marking; marking two-dimensional code parameters and spray code parameters can be set arbitrarily, generally ≤ 24 bits.
- 7 - The equipment has a fault alarm, pressure monitoring and other alarm display functions.
- 8 - Two operating systems, Chinese and English.
- 9 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC CODING EQUIPMENT**  
**自动喷码设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动喷码设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic coding equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



A 款 paragraph



B 款 paragraph



C 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动喷二维码、条形码或产品ID码、CCD检测、不良品区分、缺料报警、竖立翻转水平、水平翻转竖立等工序的在线监测、实时监控、  
 质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装  
 备服务大数据云平台等功能。

With automatic spraying two-dimensional code, barcode or product ID code, CCD detection, defective product differentiation, missing material alarm, vertical flip horizontal, horizontal flip vertical and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy-saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V/380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、5P
- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换；不同壳架产品需要人工更换模具或夹具。
- 5、设备夹具可根据产品型号定做。
- 6、喷码参数可以预存控制系统内，自动调取喷码；喷码参数可任意设定，一般≤24位。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。

- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 5P
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched with one key; different shell frame products need to change molds or fixtures manually.
- 5 - Equipment fixture can be customized according to the product model.
- 6 - The spray code parameters can be pre-stored in the control system and automatically retrieve the spray code; the spray code parameters can be set arbitrarily, generally ≤ 24 bits.
- 7 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 8 - Chinese and English version of the two operating systems.
- 9 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.



015

高低压电器元器件/新能源元器件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

016





**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC CODING EQUIPMENT**  
**自动喷码设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器、智慧断路器、万能式微型断路器、5G断路器、智能断路器自动喷码设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers, Miniature Fusion Circuit Breakers, Intelligent circuit breaker, universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker Automatic coding equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化定制、可视化、一键切换、远程维护设计、预警通知评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动喷二维码、条形码或产品ID码、CCD检测、不良品区分、缺料报警、竖立翻转水平、水平翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic spraying two-dimensional code, barcode or product ID code, CCD detection, defective product differentiation, missing material alarm, vertical flip horizontal, horizontal flip vertical and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy-saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、5P
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换；不同壳架产品需要人工更换模具或夹具。
5. 设备夹具可根据产品型号定做。
6. 喷码参数可以预存控制系统内，自动调取喷码；喷码参数可任意设定，一般≤24位。
7. 设备具有故障报警、压力监测等报警显示功能。
8. 中文版和英文版两种操作系统。
9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
11. 具有独立的自主知识产权。

- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 5P
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched with one key; different shell frame products need to change molds or fixtures manually.
- 5 - Equipment fixture can be customized according to the product model.
- 6 - The spray code parameters can be pre-stored in the control system and automatically retrieve the spray code; the spray code parameters can be set arbitrarily, generally ≤ 24 bits.
- 7 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 8 - Chinese and English version of the two operating systems.
- 9 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "Intelligent energy analysis and energy saving management system" and "Intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.



A款 paragraph



B款 paragraph



C款 paragraph





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC CODING EQUIPMENT**  
**自动喷码设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器、智慧断路器、万能式微型断路器、5G断路器、智能断路器自动喷码设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers, Miniature Fusion Circuit Breakers, Intelligent circuit breaker, universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker Automatic coding equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、定制化、可视化、一键切换、远程维护设计、预警通知评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动喷二维码、条形码或产品ID码、CCD检测、不良品区分、缺料报警、竖立翻转水平、水平翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic spraying two-dimensional code, barcode or product ID code, CCD detection, defective product differentiation, missing material alarm, vertical flip horizontal, horizontal flip vertical and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy-saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、5P
3. 设备生产节拍：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换；不同壳架产品需要人工更换模具或夹具。
5. 设备夹具可根据产品型号定做。
6. 喷码参数可以预存控制系统内，自动调取喷码；喷码参数可任意设定，一般≤24位。
7. 设备具有故障报警、压力监测等报警显示功能。
8. 中文版和英文版两种操作系统。
9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
11. 具有独立的自主知识产权。

1. Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
2. Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 5P
3. Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole; five different specifications of equipment.
4. The same shell frame product, different poles can be switched with one key; different shell frame products need to change molds or fixtures manually.
5. Equipment fixture can be customized according to the product model.
6. The spray code parameters can be pre-stored in the control system and automatically retrieve the spray code; the spray code parameters can be set arbitrarily, generally ≤ 24 bits.
7. Equipment with fault alarm, pressure monitoring and other alarm display functions.
8. Chinese and English version of the two operating systems.
9. All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
10. The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
11. With independent intellectual property rights.



A款 paragraph



B款 paragraph



C款 paragraph





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC NAIL  
 THREADING EQUIPMENT**  
**自动穿钉设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动穿钉设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic nail threading equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



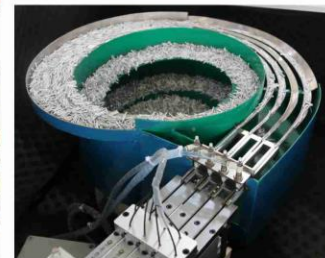
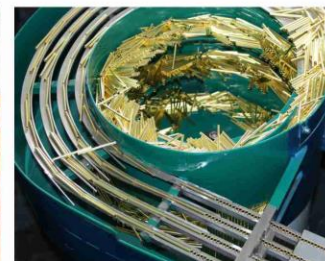
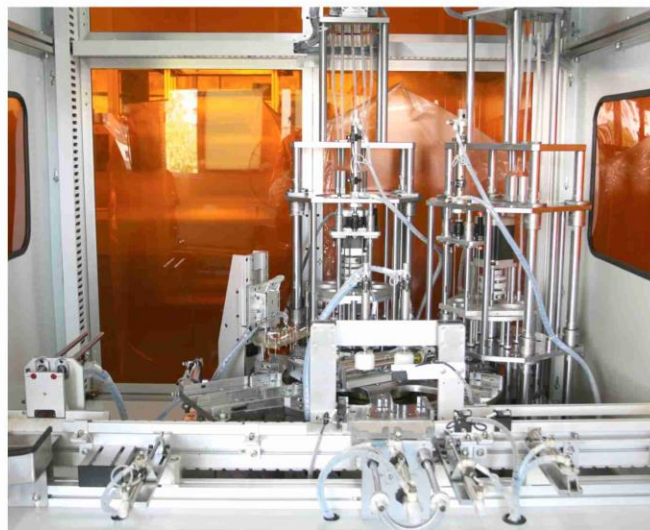
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C 款 paragraph

D 款 paragraph

E 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动穿铆钉、CCD检测、不良品区分、缺料报警、翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、  
 数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic riveting, CCD detection, defective product differentiation, lack of material alarm, flip erection and other processes of online monitoring, real-time monitoring, quality  
 traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis  
 and energy-saving management system, intelligent equipment services big data cloud platform and other functions

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、5P
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 铆钉送料方式为振动盘送料；噪音≤80分贝；铆钉数量及模具可根据产品型号定做。
6. 分钉机构速度和真空度参数可任意设定。
7. 设备具有故障报警、压力监测等报警显示功能。
8. 中文版和英文版两种操作系统。
9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
11. 具有独立的自主知识产权。

- 1 · Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
- 2 · Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 5P
- 3 · Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 · The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.
- 5 · The rivet feeding method is vibrating plate feeding; noise ≤ 80 decibels; the number of rivets and molds can be customized according to the product model.
- 6 · The speed and vacuum degree parameters of the nail splitting mechanism can be set arbitrarily.
- 7 · Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 8 · Two kinds of operating systems, Chinese and English.
- 9 · All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 · The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 · With independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC NAIL  
 THREADING EQUIPMENT**  
**自动穿钉设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动穿钉设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic nail threading equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



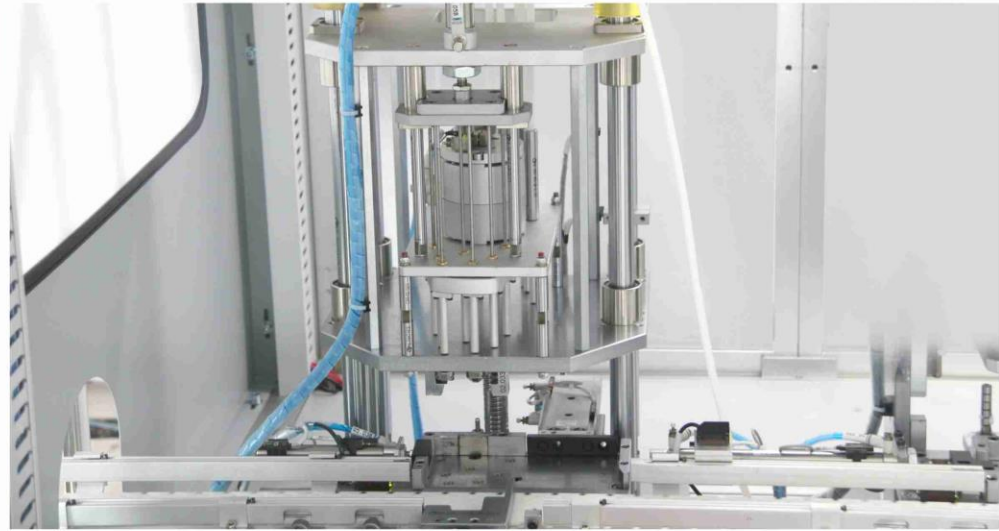
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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动穿铆钉、CCD检测、不良品区分、缺料报警、翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、  
 数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic riveting, CCD detection, defective product differentiation, lack of material alarm, flip erection and other processes of online monitoring, real-time monitoring, quality  
 traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis  
 and energy-saving management system, intelligent equipment services big data cloud platform and other functions

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、5P
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 铆钉供料方式为振动盘供料；噪音≤80分贝；铆钉数量及模具可根据产品型号定做。
6. 分钉机构速度和真空度参数可任意设定。
7. 设备具有故障报警、压力监测等报警显示功能。
8. 中文版和英文版两种操作系统。
9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
11. 具有独立的自主知识产权。



- 1 · Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
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- 3 · Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 · The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.
- 5 · The rivet feeding method is vibrating plate feeding; noise ≤ 80 decibels; the number of rivets and molds can be customized according to the product model.
- 6 · The speed and vacuum degree parameters of the nail splitting mechanism can be set arbitrarily.
- 7 · Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 8 · Two kinds of operating systems, Chinese and English.
- 9 · All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 · The equipment can be equipped with optional functions such as "Intelligent energy analysis and energy saving management system" and "Intelligent equipment service big data cloud platform".
- 11 · With independent intellectual property rights.



**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC NAIL  
 THREADING EQUIPMENT**  
**自动穿钉设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动穿钉设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic nail threading equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



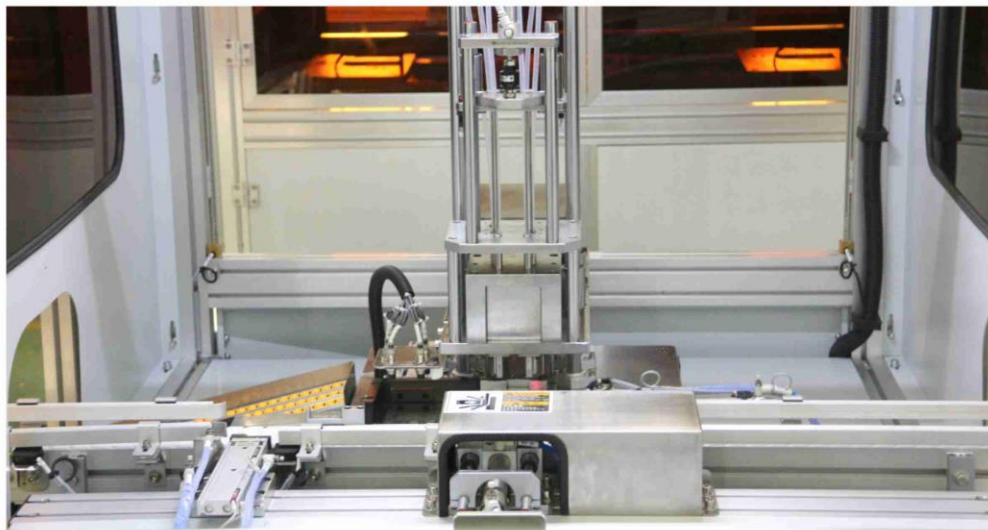
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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动穿铆钉、CCD检测、不良品区分、缺料报警、翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、  
 数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic riveting, CCD detection, defective product differentiation, lack of material alarm, flip erection and other processes of online monitoring, real-time monitoring, quality  
 traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis  
 and energy-saving management system, intelligent equipment services big data cloud platform and other functions

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
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4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 铆钉供料方式为振动盘供料；噪音≤80分贝；铆钉数量及模具可根据产品型号定做。
6. 分钉机构速度和真空度参数可任意设定。
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 THREADING EQUIPMENT**  
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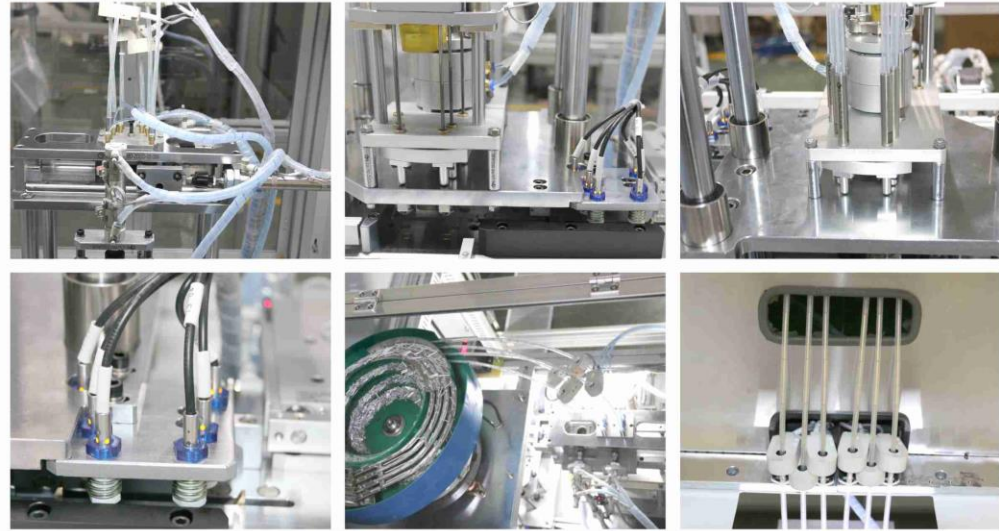
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 数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

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- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
- 5、铆钉供料方式为振动盘供料；噪音≤80分贝；铆钉数量及模具可根据产品型号定做。
- 6、分钉机构速度和真空度参数可任意设定。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
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**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC NAIL  
 THREADING EQUIPMENT**  
**自动穿钉设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动穿钉设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic nail threading equipment

**系统特点 SYSTEM FEATURES**

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 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
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 modularization, flexibility, customization, visualization, one-click switching,  
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 and equipment whole life cycle management.



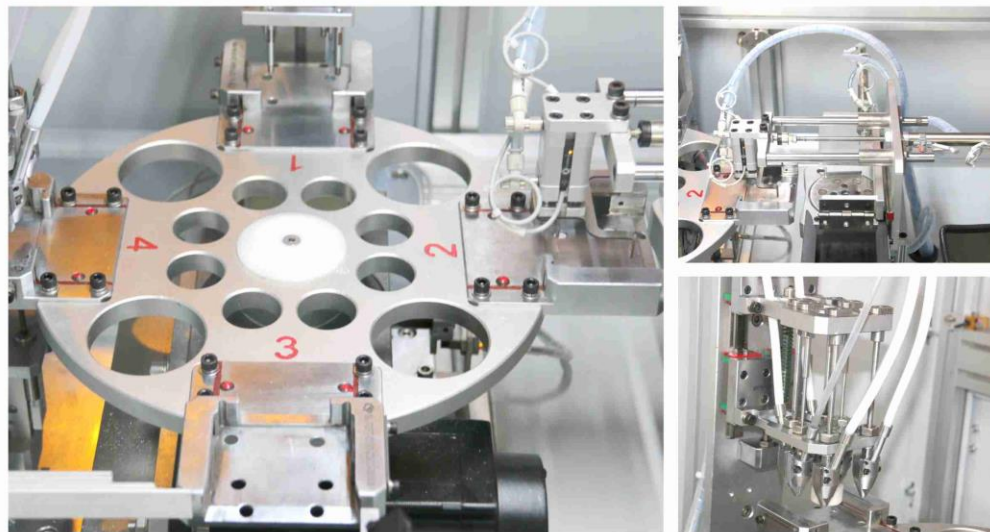
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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动穿铆钉、CCD检测、不良品区分、缺料报警、翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、  
 数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic riveting, CCD detection, defective product differentiation, lack of material alarm, flip erection and other processes of online monitoring, real-time monitoring, quality  
 traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis  
 and energy-saving management system, intelligent equipment services big data cloud platform and other functions

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V/380V±10%，50Hz；±1Hz；
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- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
- 5、铆钉供料方式为振动盘供料；噪音≤80分贝；铆钉数量及模具可根据产品型号定做。
- 6、分钉机构速度和真空度参数可任意设定。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。

- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
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- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
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- 5 - The rivet feeding method is vibrating plate feeding; noise ≤ 80 decibels; the number of rivets and molds can be customized according to the product model.
- 6 - The speed and vacuum degree parameters of the nail splitting mechanism can be set arbitrarily.
- 7 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 8 - Two kinds of operating systems, Chinese and English.
- 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "Intelligent energy analysis and energy saving management system" and "Intelligent equipment service big data cloud platform".
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**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC NAIL THREADING AND RIVETING EQUIPMENT**  
**自动穿钉铆接设备**

A

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
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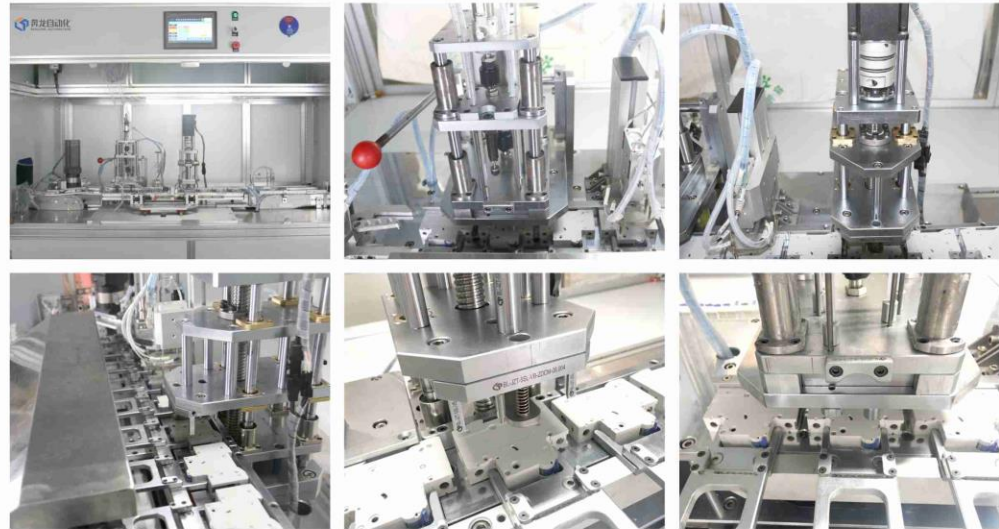
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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

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 It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic riveting through rivets, CCD detection, defective product differentiation, shortage of material alarm, flip erection and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V/380V±10%，50Hz；±1Hz；
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  - 3、设备生产节拍：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备。
  - 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  - 5、铆钉供料方式为振动盘供料；噪音≤80分贝；铆钉数量及模具可根据产品型号定做。
  - 6、分钉机构速度和真空度参数可任意设定。
  - 7、铆压形式为凸轮铆压和伺服铆压两种可选。
  - 8、铆压速度参数可任意设定。
  - 9、设备具有故障报警、压力监测等报警显示功能。
  - 10、中文版和英文版两种操作系统。
  - 11、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  - 12、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
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  - 4 · The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.
  - 5 · The rivet feeding method is vibrating plate feeding; noise ≤ 80 decibels; the number of rivets and molds can be customized according to the product model.
  - 6 · The speed and vacuum degree parameters of the nail splitting mechanism can be set arbitrarily.
  - 7 · The riveting pressure form is cam riveting and servo riveting two optional.
  - 8 · Riveting speed parameters can be set arbitrarily.
  - 9 · Equipment with fault alarm, pressure monitoring and other alarm display functions.
  - 10 · Chinese and English version of the two operating systems.
  - 11 · All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
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031

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

032





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 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

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 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.




**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动穿钉铆接、CCD检测、不良品区分、缺料报警、翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic riveting through rivets, CCD detection, defective product differentiation, shortage of material alarm, flip erection and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、5P
  3. 设备生产节拍：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 铆钉供料方式为振动盘供料；噪音≤80分贝；铆钉数量及模具可根据产品型号定做。
  6. 分钉机构速度和真空度参数可任意设定。
  7. 铆压形式为凸轮铆压和伺服铆压两种可选。
  8. 铆压速度参数可任意设定。
  9. 设备具有故障报警、压力监测等报警显示功能。
  10. 中文版和英文版两种操作系统。
  11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  12. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  13. 具有独立的自主知识产权。
- 
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  - 4 - The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.
  - 5 - The rivet feeding method is vibrating plate feeding; noise ≤ 80 decibels; the number of rivets and molds can be customized according to the product model.
  - 6 - The speed and vacuum degree parameters of the nail splitting mechanism can be set arbitrarily.
  - 7 - The riveting pressure form is cam riveting and servo riveting two optional.
  - 8 - Riveting speed parameters can be set arbitrarily.
  - 9 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
  - 10 - Chinese and English version of the two operating systems.
  - 11 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
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033

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

034





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC NAIL THREADING AND RIVETING EQUIPMENT**  
**自动穿钉铆接设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动穿钉铆接设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic nail threading and riveting equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
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A 款 paragraph



B 款 paragraph



C 款 paragraph



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035

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036





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC RIVETING EQUIPMENT**  
**自动铆接设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
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Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic riveting equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
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7. 设备具有故障报警、压力监测等报警显示功能。
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**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC RIVETING EQUIPMENT**  
**自动铆接设备**

**设备名称 EQUIPMENT NAME**

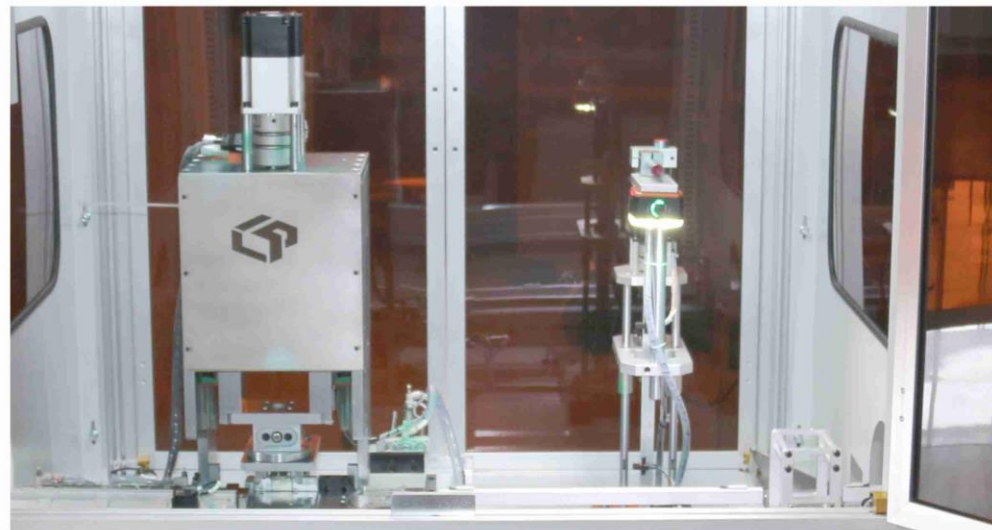
数字断路器、物联网断路器、AI断路器、微型融合断路器、智慧断路器、万能式微型断路器、5G断路器、智能断路器自动铆接设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers, Miniature Fusion Circuit Breakers, Intelligent circuit breaker, universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker Automatic riveting equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、定制化、可视化、一键切换、远程维护设计、预警通知、评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

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 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC RIVETING EQUIPMENT**  
**自动铆接设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
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041

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042





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC SIDE PAD PRINTING EQUIPMENT**  
**自动侧面移印设备**

**设备名称 EQUIPMENT NAME**

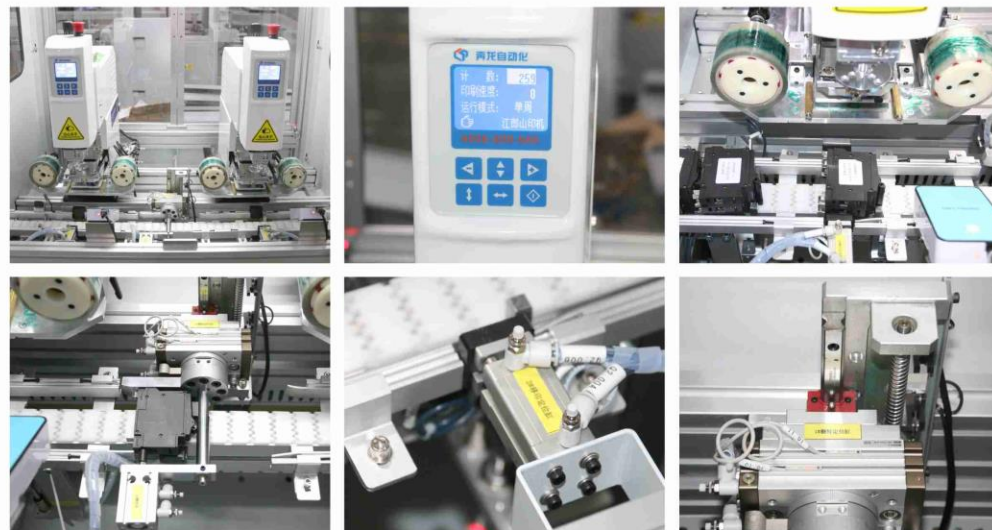
数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动侧面移印设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers. Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic side pad printing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动清洁、侧面移印、CCD视觉检测、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、  
 关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等  
 功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 cleaning, side pad printing, CCD visual inspection, defective product differentiation, missing material alarm, defective product return rework and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
- 5、不良品检测方式为：CCD视觉检测。
- 6、移印机为环保移印机，自带清洁系统和X、Y、Z调节机构。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。



- 1 · Device input voltage 380V±10%, 50Hz; ±1Hz;
- 2 · Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 · Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 · The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
- 5 · Defective product detection method is: CCD visual detection.
- 6 · The pad printing machine is environmental protection pad printing machine, with its own cleaning system and X, Y, Z adjustment mechanism.
- 7 · The equipment has alarm display function such as fault alarm and pressure monitoring.
- 8 · Two operating systems, Chinese and English.
- 9 · All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 · The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 · With independent intellectual property rights.



**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC SIDE PAD PRINTING EQUIPMENT**  
**自动侧面移印设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器、智慧断路器、万能式微型断路器、5G断路器、智能断路器自动侧面移印设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers, Miniature Fusion Circuit Breakers, Intelligent circuit breaker, universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker Automatic side pad printing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、定制化、可视化、一键切换、远程维护设计、预警通知评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动清洁、侧面移印、CCD视觉检测、不良品区分、缺料报警、不良品回返工等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic cleaning, side pad printing, CCD visual inspection, defective product differentiation, missing material alarm, defective product return rework and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
- 5、不良品检测方式为：CCD视觉检测。
- 6、移印机为环保移印机，自带清洁系统和X、Y、Z调节机构。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。



- 1 · Device input voltage 380V±10%, 50Hz; ±1Hz;
- 2 · Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 · Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 · The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
- 5 · Defective product detection method is: CCD visual detection.
- 6 · The pad printing machine is environmental protection pad printing machine, with its own cleaning system and X, Y, Z adjustment mechanism.
- 7 · The equipment has alarm display function such as fault alarm and pressure monitoring.
- 8 · Two operating systems, Chinese and English.
- 9 · All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 · The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 · With independent intellectual property rights.



**045**

高低压电器元件/新能源元件自动化生产线系统集成商  
High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级 4.0  
Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

**046**





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC FLIPPING EQUIPMENT**  
**自动翻转设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动翻转设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic turning equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



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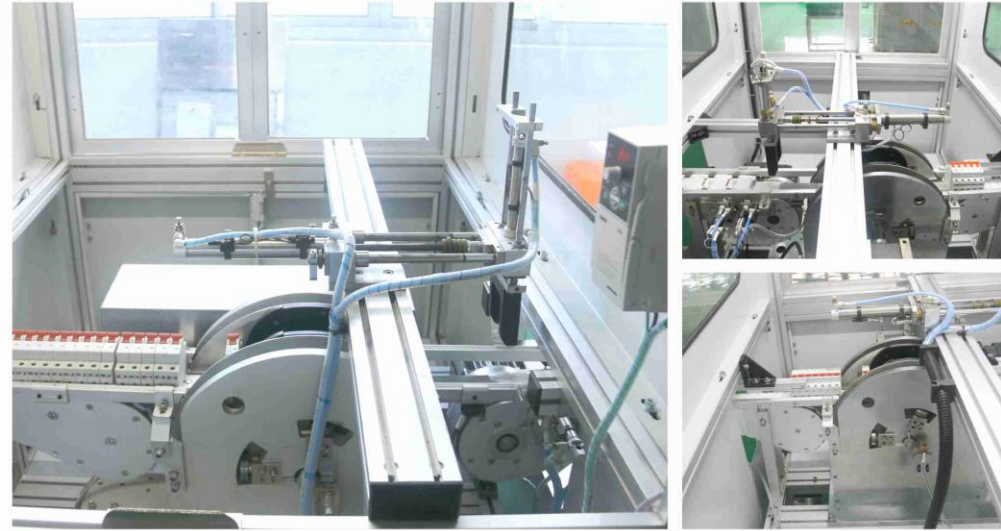
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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动隔料分组、90°旋转、90°翻转、下料、缺料报警等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、  
 数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 compartmentalized material grouping, 90° rotation, 90° flip, discharging, and missing material alarm.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可。
5. 设备夹具可根据产品型号定做。
6. 设备具有故障报警、压力监测等报警显示功能。
7. 中文版和英文版两种操作系统。
8. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
9. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
10. 具有独立的自主知识产权。

- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module.
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched with one key or sweeping code.
- 5 - Equipment fixture can be customized according to the product model.
- 6 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 7 - Two kinds of operating systems, Chinese and English.
- 8 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 9 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 10 - With independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC FLIPPING EQUIPMENT**  
**自动翻转设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动翻转设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers. Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic turning equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



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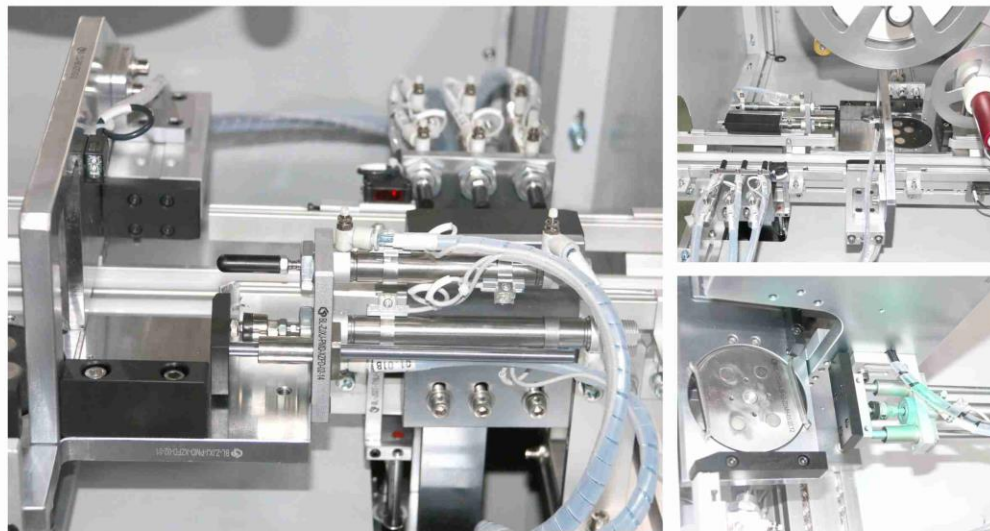
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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动隔料分组、90°旋转、90°翻转、下料、缺料报警等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、  
 数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 compartmentalized material grouping, 90° rotation, 90° flip, discharging, and missing material alarm.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可。
5. 设备夹具可根据产品型号定做。
6. 设备具有故障报警、压力监测等报警显示功能。
7. 中文版和英文版两种操作系统。
8. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
9. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
10. 具有独立的自主知识产权。

1. Device input voltage 380V±10%, 50Hz; ±1Hz;
2. Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module.
3. Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
4. The same shell frame product, different poles can be switched with one key or sweeping code.
5. Equipment fixture can be customized according to the product model.
6. Equipment with fault alarm, pressure monitoring and other alarm display functions.
7. Two kinds of operating systems, Chinese and English.
8. All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
9. The equipment can be equipped with optional functions such as "Intelligent energy analysis and energy saving management system" and "Intelligent equipment service big data cloud platform".
10. With independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC FLIPPING EQUIPMENT**  
**自动翻转设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器、智慧断路器、万能式微型断路器、5G断路器、智能断路器自动翻转设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers, Miniature Fusion Circuit Breakers, Intelligent circuit breaker, universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker Automatic turning equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、定制化、可视化、一键切换、远程维护设计、预警通知、评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle management.



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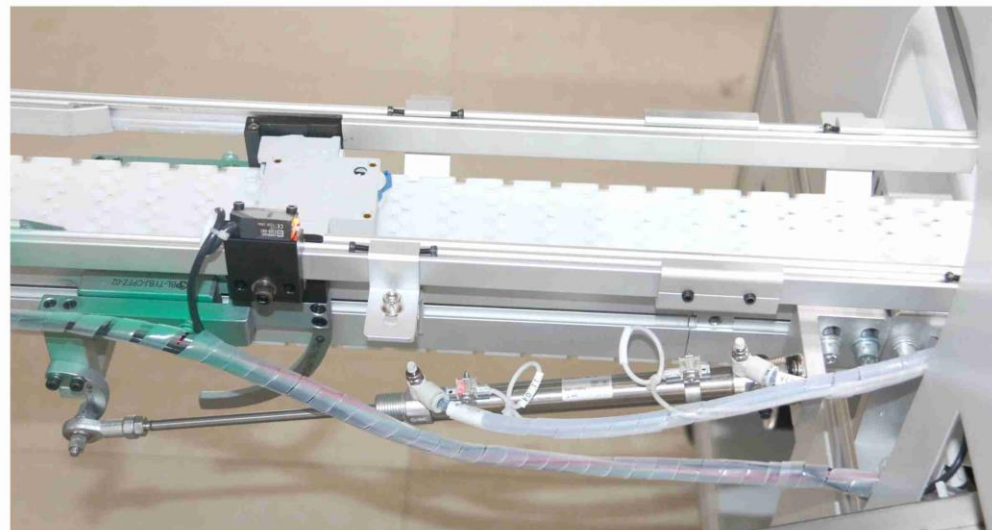
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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动隔料分组、90°旋转、90°翻转、下料、缺料报警等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic compartmentalized material grouping, 90° rotation, 90° flip, discharging, and missing material alarm.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可。
5. 设备夹具可根据产品型号定做。
6. 设备具有故障报警、压力监测等报警显示功能。
7. 中文版和英文版两种操作系统。
8. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
9. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
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- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module.
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched with one key or sweeping code.
- 5 - Equipment fixture can be customized according to the product model.
- 6 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 7 - Two kinds of operating systems, Chinese and English.
- 8 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 9 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 10 - With independent intellectual property rights.



051

高低压电器元件/新能源元件自动化生产线系统集成商  
High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

052





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC FLIPPING EQUIPMENT**  
**自动翻转设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
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**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



A 款 paragraph



B 款 paragraph



C 款 paragraph



D 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动隔料分组、90°旋转、90°翻转、下料、缺料报警等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、  
 数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 compartmentalized material grouping, 90° rotation, 90° flip, discharging, and missing material alarm.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可。
5. 设备夹具可根据产品型号定做。
6. 设备具有故障报警、压力监测等报警显示功能。
7. 中文版和英文版两种操作系统。
8. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
9. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
10. 具有独立的自主知识产权。

- 1 · Device input voltage 380V±10%, 50Hz; ±1Hz;
- 2 · Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module.
- 3 · Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 · The same shell frame product, different poles can be switched with one key or sweeping code.
- 5 · Equipment fixture can be customized according to the product model.
- 6 · Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 7 · Two kinds of operating systems, Chinese and English.
- 8 · All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 9 · The equipment can be equipped with optional functions such as "Intelligent energy analysis and energy saving management system" and "Intelligent equipment service big data cloud platform".
- 10 · With independent intellectual property rights.



053

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

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 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

054





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC INSTANTANEOUS  
 DETECTION EQUIPMENT**  
**自动瞬时检测设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动瞬时检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic transient detection equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching, remote maintenance design early warning notification, evaluation report, data collection and  
 processing, global inspection management, and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动扫码/读码、通断检测、低倍检测、高倍检测、CCD观察窗颜色检测、内跳外不跳、不良品区分、缺料报警、不良品回流返工等工序  
 的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与  
 节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system and ERP system  
 networking, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. For automatic  
 code sweeping/reading, through-break detection, low times detection, high times detection, CCD observation window color detection, internal jumping and external non-jumping,  
 defective product differentiation, lack of material alarm, defective product rework, etc.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
3. 设备生产节拍：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 电流输出系统：AC3~1500A或DC5~1000A、AC3~2000A、AC3~2600A可根据产品型号选配。
6. 检测高倍电流、低倍电流等参数可任意设定；电流精度±1.5%；波形失真度≤3%
7. 脱扣类型：B型、C型、D型可任意选择。
8. 脱扣时间：1~999mS参数可任意设定；检测次数：1~99次参数可任意设定。
9. 产品处于水平状态下检测或产品处于垂直状态下检测可选配。
10. 设备具有故障报警、压力监测等报警显示功能。
11. 中文版和英文版两种操作系统。
12. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
13. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
14. 具有独立的自主知识产权。



- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched by one key or sweeping code; different shell frame products need to manually change the mold or fixture.
- 5 - Current output system: AC3-1500A or DC5-1000A, AC3-2000A, AC3-2600A can be optional according to the product model.
- 6 - detection of high times the current, low times the current and other parameters can be set arbitrarily; current accuracy ± 1.5%; waveform distortion ≤ 3%
- 7 - Types of decoupling: B type, C type, D type can be arbitrarily selected.
- 8 - Detriggering time: 1-999mS parameters can be set arbitrarily; detection times: 1-99 times parameters can be set arbitrarily.
- 9 - The product is in the horizontal state detection or the product is in the vertical state detection can be optional.
- 10 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 11 - Two kinds of operating systems, Chinese and English.
- 12 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
- 13 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 14 - With independent intellectual property rights.



**055**

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**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**SEMI-AUTOMATIC TRANSIENT TESTING EQUIPMENT**  
**半自动瞬时检测设备**

**设备名称 EQUIPMENT NAME**

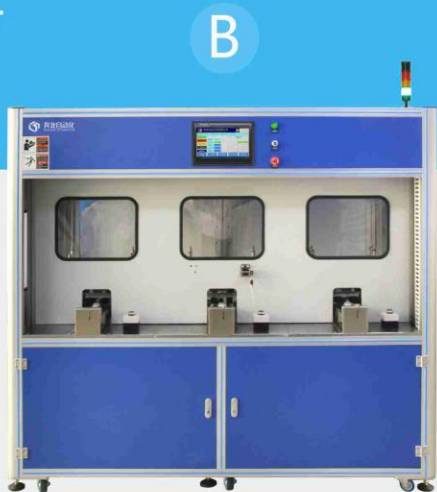
数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 半自动瞬时检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Semi-automatic transient testing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有人工上下料、不良品人工区分及返工、自动扫码/读码、通断检测、低倍检测、高倍检测、CCD观察窗颜色检测、内跳外不跳等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system and ERP system networking, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for manual loading and unloading, manual differentiation and reworking of defective products, automatic code scanning/reading, through-break detection, low-frequency detection, high-frequency detection, CCD observation window color detection, internal jumping and external non-jumping processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
4. 设备设计多个检测工位，不同壳架产品选用不同工位夹具进行检测；不同极数可以一键切换或扫码切换均可。
5. 电流输出系统：AC3~1500A或DC5~1000A、AC3~2000A、AC3~2600A可根据产品型号选配。
6. 检测高倍电流、低倍电流等参数可任意设定；电流精度±1.5%；波形失真度≤3%
7. 脱扣类型：B型、C型、D型可任意选择。
8. 脱扣时间：1~999mS参数可任意设定；检测次数：1~99次参数可任意设定。
9. 产品处于水平状态下检测或产品处于垂直状态下检测可选配。
10. 设备具有故障报警、压力监测等报警显示功能。
11. 中文版和英文版两种操作系统。
12. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
13. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
14. 具有独立的自主知识产权。



- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole, five different specifications of equipment.
- 4 - Equipment design multiple testing stations, different shell frame products choose different stations fixture for testing, different poles can be switched with one key or sweeping code.
- 5 - Current output system: AC3~1500A or DC5~1000A, AC3~2000A, AC3~2600A can be selected according to the product model.
- 6 - detection of high times the current, low times the current and other parameters can be set arbitrarily; current accuracy ± 1.5%; waveform distortion ≤ 3%
- 7 - Types of decoupling: B type, C type, D type can be arbitrarily selected.
- 8 - Detriggering time: 1~999mS parameters can be set arbitrarily; detection times: 1~99 times parameters can be set arbitrarily.
- 9 - The product is in the horizontal state detection or the product is in the vertical state detection can be optional.
- 10 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 11 - Two kinds of operating systems, Chinese and English.
- 12 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
- 13 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 14 - With independent intellectual property rights.



057

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 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

058







**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC INSTANTANEOUS, ON/OFF, VOLTAGE TESTING EQUIPMENT**  
**自动瞬时、通断、耐压检测设备**



**设备名称 EQUIPMENT NAME**

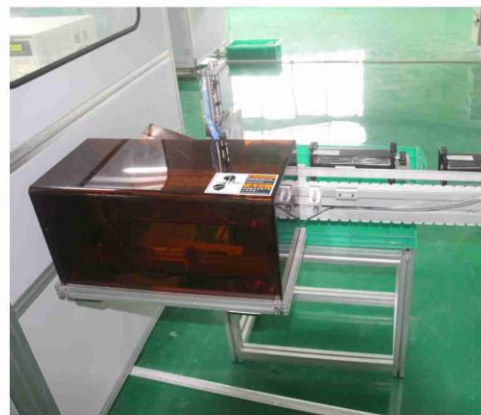
数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动瞬时、通断、耐压检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic instantaneous, on-off and withstand voltage testing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动扫码/读码、低倍检测、高倍检测、CCD观察窗颜色检测、内跳外不跳、通断检测、耐压检测、不良品区分、缺料报警、不良品  
 回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、  
 智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system and ERP system  
 networking, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for processes  
 such as automatic code scanning/reading, low times detection, high times detection, CCD observation window color detection, internal jumping and external non-jumping, on/off  
 detection, pressure resistance detection, defective product differentiation, lack of material alarm, defective product reworking.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
- 5、电流输出系统：AC3~1500A或DC5~1000A、AC3~2000A、AC3~2600A可根据产品型号选配。
- 6、检测高倍电流、低倍电流等参数可任意设定；电流精度±1.5%；波形失真度≤3%
- 7、脱扣类型：B型、C型、D型可任意选择。
- 8、脱扣时间：1~999ms参数可任意设定；检测次数：1~99次参数可任意设定。
- 9、产品处于水平状态下检测或产品处于垂直状态下检测可适配。
- 10、高压输出范围：0~5000V；泄露电流为10mA、20mA、100mA、200mA档可选。
- 11、检测高压绝缘时间：1~999S参数可任意设定。12、检测次数：1~99次参数可任意设定。
- 13、高压检测部位：产品处于合闸状态时，检测相与相之间的耐压；产品处于合闸状态时，检测相与  
底板之间的耐压；产品处于合闸状态时，检测相与手柄之间的耐压；产品处于分闸状态时，检测  
进出线之间的耐压。
- 14、设备具有故障报警、压力监测等报警显示功能。15、中文版和英文版两种操作系统。
- 16、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 17、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 18、具有独立的自主知识产权。



- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz; 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched by one key or sweeping code; different shell frame products need to manually change the mold or fixture.
- 5 - Current output system: AC3~1500A or DC5~1000A, AC3~2000A, AC3~2600A can be optional according to the product model.
- 6 - detection of high times the current, low times the current and other parameters can be set arbitrarily; current accuracy ± 1.5%; waveform distortion ≤ 3%
- 7 - Types of decoupling: B type, C type, D type can be arbitrarily selected.
- 8 - Detriggering time: 1~999ms parameters can be set arbitrarily; detection times: 1~99 times parameters can be set arbitrarily.
- 9 - The product is in the horizontal state detection or the product is in the vertical state detection can be optional.
- 10 - High-voltage output range: 0~5000V; leakage current is 10mA, 20mA, 100mA, 200mA sub-grade optional.
- 11 - Detection of high-voltage insulation time: 1~999S parameters can be set arbitrarily. 12 - the number of times to detect: 1~99 times parameters can be set arbitrarily.
- 13 - High-voltage detection parts: when the product is in the closed state, detect the withstand voltage between phase and phase; when the product is in the closed state, detect the withstand voltage  
between phase and base plate; when the product is in the closed state, detect the withstand voltage between phase and handle; when the product is in the split state, detect the withstand voltage  
between incoming and outgoing lines. 14 - The equipment has alarm display functions such as fault alarm and pressure monitoring. 15 - Two operating systems, Chinese and English.
- 16 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States and Taiwan.
- 17 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 18 - With independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ON-OFF/VOLTAGE TESTING EQUIPMENT**  
**自动通断/耐压检测设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动通断/耐压检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers. Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic on-off/voltage testing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



A 款 paragraph

B 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动通断检测、耐压检测、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic on/off detection, voltage resistance detection, defective product differentiation, shortage of material alarm, defective product rework, etc.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压380V±10%，50Hz；±1Hz；
  - 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
  - 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  - 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  - 5、高压输出范围：0~5000V；泄露电流为10mA、20mA、100mA、200mA分档可选。
  - 6、检测高压绝缘时间：1~999S参数可任意设定。
  - 7、检测次数：1~99次参数可任意设定。
  - 8、高压检测部位：产品处于合闸状态时，检测相与相之间的耐压；产品处于合闸状态时，检测相与底板之间的耐压；产品处于合闸状态时，检测相与手柄之间的耐压；产品处于分闸状态时，检测进出线之间的耐压。
  - 9、产品处于水平状态下检测或产品处于垂直状态下检测可选配。
  - 10、设备具有故障报警、压力监测等报警显示功能。
  - 11、中文版和英文版两种操作系统。
  - 12、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  - 13、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  - 14、具有独立的自主知识产权。
- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz; 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module  
 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.  
 4 - The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.  
 5 - High-voltage output range: 0~5000V; leakage current is 10mA, 20mA, 100mA, 200mA sub-grade selectable.  
 6 - Detection of high-voltage insulation time: 1~999S parameters can be set arbitrarily. 7 - the number of times to detect: 1~99 times parameters can be set arbitrarily.  
 8 - High-voltage detection parts: when the product is in the closed state, detect the withstand voltage between phase and phase; when the product is in the closed state, detect the withstand voltage between phase and base plate; when the product is in the closed state, detect the withstand voltage between phase and handle; when the product is in the split state, detect the withstand voltage between incoming and outgoing lines. 9 - It is optional to detect when the product is in horizontal state or in vertical state.  
 10 - Equipment with fault alarm, pressure monitoring and other alarm display functions. 11 - Two operating systems, Chinese and English.  
 12 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.  
 13 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".  
 14 - With independent intellectual property rights.



**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ON-OFF/VOLTAGE TESTING EQUIPMENT**  
**自动通断/耐压检测设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动通断/耐压检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic on-off/voltage testing equipment

**系统特点 SYSTEM FEATURES**

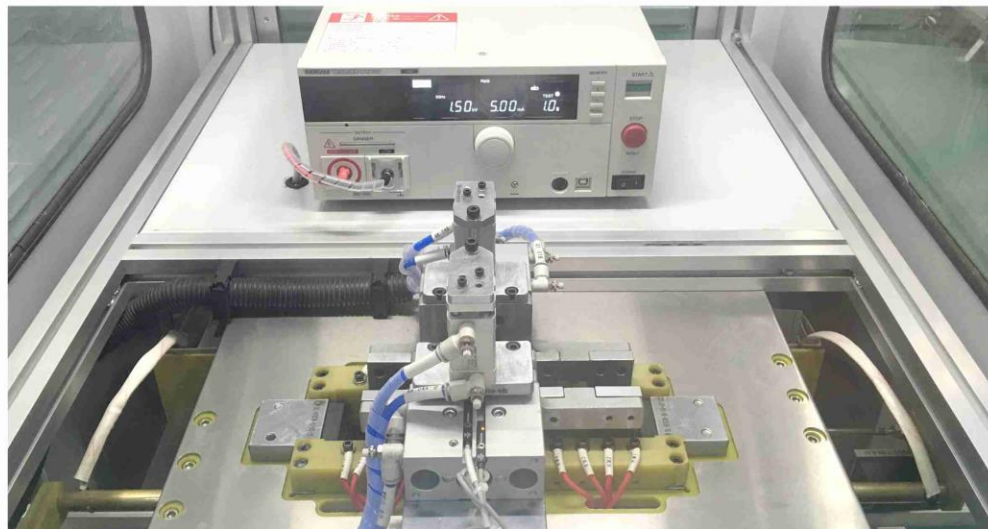
采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



A 款 paragraph

B 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动通断检测、耐压检测、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic on/off detection, voltage resistance detection, defective product differentiation, shortage of material alarm, defective product rework, etc.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压380V±10%，50Hz；±1Hz；
  - 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
  - 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  - 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  - 5、高压输出范围：0~5000V；泄露电流为10mA、20mA、100mA、200mA分档可选。
  - 6、检测高压绝缘时间：1~999S参数可任意设定。
  - 7、检测次数：1~99次参数可任意设定。
  - 8、高压检测部位：产品处于合闸状态时，检测相与相之间的耐压；产品处于合闸状态时，检测相与底板之间的耐压；产品处于合闸状态时，检测相与手柄之间的耐压；产品处于分闸状态时，检测进出线之间的耐压。
  - 9、产品处于水平状态下检测或产品处于垂直状态下检测可选配。
  - 10、设备具有故障报警、压力监测等报警显示功能。
  - 11、中文版和英文版两种操作系统。
  - 12、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  - 13、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  - 14、具有独立的自主知识产权。
- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz; 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module  
 3 - Equipment production beat: 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.  
 4 - The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.  
 5 - High-voltage output range: 0~5000V; leakage current is 10mA, 20mA, 100mA, 200mA sub-grade selectable.  
 6 - Detection of high-voltage insulation time: 1~999S parameters can be set arbitrarily. 7 - the number of times to detect: 1~99 times parameters can be set arbitrarily.  
 8 - High-voltage detection parts: when the product is in the closed state, detect the withstand voltage between phase and phase; when the product is in the closed state, detect the withstand voltage between phase and base plate; when the product is in the closed state, detect the withstand voltage between phase and handle; when the product is in the split state, detect the withstand voltage between incoming and outgoing lines. 9 - It is optional to detect when the product is in horizontal state or in vertical state.  
 10 - Equipment with fault alarm, pressure monitoring and other alarm display functions. 11 - Two operating systems, Chinese and English.  
 12 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.  
 13 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".  
 14 - With independent intellectual property rights.



**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC SCREW TORQUE TESTING EQUIPMENT**  
**自动螺丝扭矩检测设备**

**设备名称 EQUIPMENT NAME**

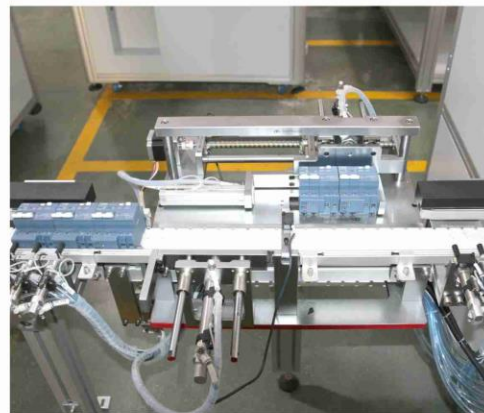
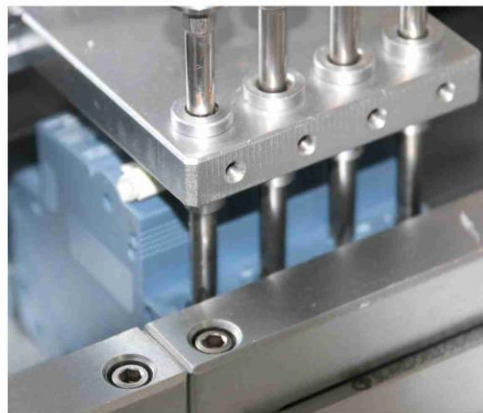
数字断路器、物联网断路器、AI断路器、微型融合断路器、智慧断路器、万能式微型断路器、5G断路器、智能断路器自动螺丝扭矩检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers, Miniature Fusion Circuit Breakers, Intelligent circuit breaker, universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker Automatic screw torque testing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化定制、可视化、一键切换、远程维护设计、预警通知评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote maintenance design, early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动上料、扭矩检测、下料、缺料报警、90°旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic loading, torque detection, discharging, missing material alarm, 90° rotation and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
- 5、扭矩方式：伺服电机、扭力电动螺丝批两种可任意选配。
- 6、设备夹具可根据产品型号定做。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。



- 1 - Device input voltage 220V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module.
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched with one key or sweeping code switch; different shell frame products need to manually replace the mold or fixture.
- 5, torque mode: servo motor, torque electric screwdriver two can be optional.
- 6 - Equipment fixture can be customized according to the product model.
- 7 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 8 - Chinese version and English version of the two operating systems.
- 9 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.



065

高低压电器元件/新能源元件自动化生产线系统集成商  
High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

066





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC TIME DELAY  
 DETECTION EQUIPMENT**  
**自动延时检测设备**

A

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动延时检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic time delay detection equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动热脱扣检测或延时检测、CCD检测、不良品区分、缺料报警、不良品二次回流检测等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for processes such as automatic thermal decoupling detection or delay detection, CCD detection, defective product differentiation, lack of material alarm, defective product secondary reflow detection.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极、4秒/极；六种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 检测夹具数量为8的整数倍，夹具尺寸可根据产品型号定做。
6. 检测电流、时间、转速、温度系数、冷却时间等参数可任意设定。
7. 设备具有故障报警、压力监测等报警显示功能。
8. 中文版和英文版两种操作系统。
9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
11. 具有独立的自主知识产权。



- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole, 4sec/pole; six different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched with one key or sweeping code switching are available; different shell frame products require manual replacement of molds or fixtures.
- 5 - The number of testing fixture is the integer multiple of 8, and the fixture size can be customized according to the product model.
- 6 - Detection current, time, speed, temperature coefficient, cooling time and other parameters can be set arbitrarily.
- 7 - The equipment has alarm display function such as fault alarm and pressure monitoring.
- 8 - Two kinds of operating systems, Chinese and English.
- 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.

A 款 paragraph

B 款 paragraph

C 款 paragraph



067

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

068





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC TIME DELAY  
 DETECTION EQUIPMENT**  
**自动延时检测设备**

B



**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动延时检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic time delay detection equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.

A 款 paragraph

B 款 paragraph

C 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动热脱扣检测或延时检测、CCD检测、不良品区分、缺料报警、不良品二次回流检测等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for processes such as automatic thermal decoupling detection or delay detection, CCD detection, defective product differentiation, lack of material alarm, defective product secondary reflow detection.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极、4秒/极；六种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 检测夹具数量为8的整数倍，夹具尺寸可根据产品型号定做。
6. 检测电流、时间、转速、温度系数、冷却时间等参数可任意设定。
7. 设备具有故障报警、压力监测等报警显示功能。
8. 中文版和英文版两种操作系统。
9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
11. 具有独立的自主知识产权。

- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole, 4sec/pole; six different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched with one key or sweeping code switching are available; different shell frame products require manual replacement of molds or fixtures.
- 5 - The number of testing fixture is the integer multiple of 8, and the fixture size can be customized according to the product model.
- 6 - Detection current, time, speed, temperature coefficient, cooling time and other parameters can be set arbitrarily.
- 7 - The equipment has alarm display function such as fault alarm and pressure monitoring.
- 8 - Two kinds of operating systems, Chinese and English.
- 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.



069

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

070





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC TIME DELAY  
 DETECTION EQUIPMENT**  
**自动延时检测设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动延时检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic time delay detection equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动热脱扣检测或延时检测、CCD检测、不良品区分、缺料报警、不良品二次回流检测等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for processes such as automatic thermal decoupling detection or delay detection, CCD detection, defective product differentiation, lack of material alarm, defective product secondary reflow detection.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极、4秒/极；六种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 检测夹具数量为8的整数倍，夹具尺寸可根据产品型号定做。
6. 检测电流、时间、转速、温度系数、冷却时间等参数可任意设定。
7. 设备具有故障报警、压力监测等报警显示功能。
8. 中文版和英文版两种操作系统。
9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
11. 具有独立的自主知识产权。



- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
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- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole, 4sec/pole; six different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched with one key or sweeping code switching are available; different shell frame products require manual replacement of molds or fixtures.
- 5 - The number of testing fixture is the integer multiple of 8, and the fixture size can be customized according to the product model.
- 6 - Detection current, time, speed, temperature coefficient, cooling time and other parameters can be set arbitrarily.
- 7 - The equipment has alarm display function such as fault alarm and pressure monitoring.
- 8 - Two kinds of operating systems, Chinese and English.
- 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.

A 款 paragraph

B 款 paragraph

C 款 paragraph



071

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

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072





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC CIRCULATION COOLING EQUIPMENT**  
**自动循环冷却设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动循环冷却设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic circulation cooling equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

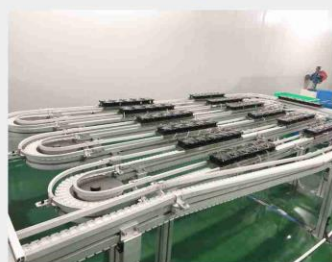
Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



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B 款 paragraph

C 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动上料、螺旋循环冷却或立体库位循环冷却、下料、温度分析、缺料报警、90°旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system and ERP system networking, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic feeding, spiral circulation cooling or three-dimensional storage position circulation cooling, discharging, temperature analysis, shortage alarm, 90° rotation and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 冷却方式：自然风冷、直流风机、压缩空气、空调吹风四种可任意选配。
6. 设备设计方式为螺旋循环式冷却和立体库位式循环冷却两种可任意选配。
7. 设备夹具可根据产品型号定做。
8. 设备具有故障报警、压力监测等报警显示功能。
9. 中文版和英文版两种操作系统。
10. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
11. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
12. 具有独立的自主知识产权

1. Device input voltage 220V±10%, 50Hz; ±1Hz;
2. Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module.
3. Equipment production beat: 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
4. The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.
5. Cooling mode: natural air cooling, DC fan, compressed air, air conditioning blowing four kinds of optional.
6. The equipment is designed in the way of spiral circulation type cooling and three-dimensional storage position type circulation cooling two can be optional.
7. Equipment fixture can be customized according to the product model.
8. Equipment with fault alarm, pressure monitoring and other alarm display functions.
9. Two kinds of operating systems, Chinese and English.
10. All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
11. The equipment can be equipped with optional functions such as "Intelligent energy analysis and energy saving management system" and "Intelligent equipment service big data cloud platform".
12. With independent intellectual property rights



073

高低压电器元器件/新能源元器件自动化生产线系统集成商  
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**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC CIRCULATION COOLING EQUIPMENT**  
**自动循环冷却设备**

B

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动循环冷却设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic circulation cooling equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动上料、螺旋循环冷却或立体库位循环冷却、下料、温度分析、缺料报警、90°旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system and ERP system networking, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic feeding, spiral circulation cooling or three-dimensional storage position circulation cooling, discharging, temperature analysis, shortage alarm, 90° rotation and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 冷却方式：自然风冷、直流风机、压缩空气、空调吹风四种可任意选配。
6. 设备设计方式为螺旋循环式冷却和立体库位式循环冷却两种可任意选配。
7. 设备夹具可根据产品型号定做。
8. 设备具有故障报警、压力监测等报警显示功能。
9. 中文版和英文版两种操作系统。
10. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
11. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
12. 具有独立的自主知识产权

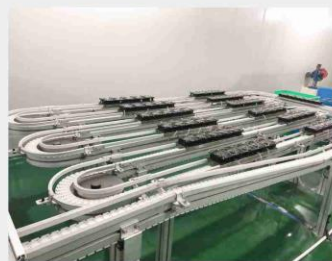
- 1 - Device input voltage 220V±10%, 50Hz; ±1Hz;
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- 6 - The equipment is designed in the way of spiral circulation type cooling and three-dimensional storage position type circulation cooling two can be optional.
- 7 - Equipment fixture can be customized according to the product model.
- 8 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
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A 款 paragraph

B 款 paragraph

C 款 paragraph



075

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**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC CIRCULATION COOLING EQUIPMENT**  
**自动循环冷却设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI 断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动循环冷却设备

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 Automatic circulation cooling equipment

**系统特点 SYSTEM FEATURES**

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**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

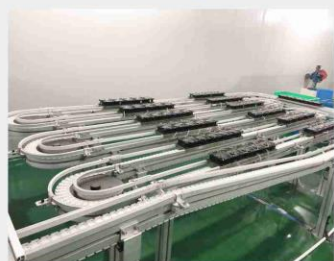
1. 设备输入电压220V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
  3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 冷却方式：自然风冷、直流风机、压缩空气、空调吹风四种可任意选配。
  6. 设备设计方式为螺旋循环式冷却和立体库位式循环冷却两种可任意选配。
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  10. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  11. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  12. 具有独立的自主知识产权
1. Device input voltage 220V±10%, 50Hz; ±1Hz;
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  3. Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  4. The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.
  5. Cooling mode: natural air cooling, DC fan, compressed air, air conditioning blowing four kinds of optional.
  6. The equipment is designed in the way of spiral circulation type cooling and three-dimensional storage position type circulation cooling two can be optional.
  7. Equipment fixture can be customized according to the product model.
  8. Equipment with fault alarm, pressure monitoring and other alarm display functions.
  9. Two kinds of operating systems, Chinese and English.
  10. All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
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A 款 paragraph

B 款 paragraph

C 款 paragraph



077

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

078





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC TIME DELAY  
 RECALIBRATION TESTING EQUIPMENT**  
**自动延时复校检测设备**

A

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动延时复校检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic time delay recalibration testing equipment

**系统特点 SYSTEM FEATURES**

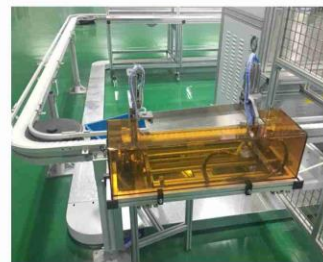
采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informationization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



A 款 paragraph

B 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动热脱扣检测或延时检测、CCD检测、不良品区分、缺料报警、不良品二次回流检测等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for processes such as automatic thermal decoupling detection or delay detection, CCD detection, defective product differentiation, lack of material alarm, defective product secondary reflow detection.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V/380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
- 3、设备生产节拍：≤10秒/极。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
- 5、检测夹具数量为8的整数倍，夹具尺寸可根据产品型号定做。
- 6、检测电流、时间、转速、温度系数、冷却时间等参数可任意设定。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权



079

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080





**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC TIME DELAY  
 RECALIBRATION TESTING EQUIPMENT**  
**自动延时复校检测设备**

B

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动延时复校检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic time delay recalibration testing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.

A 款 paragraph

B 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动热脱扣检测或延时检测、CCD检测、不良品区分、缺料报警、不良品二次回流检测等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for processes such as automatic thermal decoupling detection or delay detection, CCD detection, defective product differentiation, lack of material alarm, defective product secondary reflow detection.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
  3. 设备生产节拍：≤10秒/极。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 检测夹具数量为8的整数倍，夹具尺寸可根据产品型号定做。
  6. 检测电流、时间、转速、温度系数、冷却时间等参数可任意设定。
  7. 设备具有故障报警、压力监测等报警显示功能。
  8. 中文版和英文版两种操作系统。
  9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  11. 具有独立的自主知识产权
1. Input voltage of the equipment 220V/380V ±10%, 50Hz; ±1Hz;  
 2. Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 1P+ module, 2P+ module, 3P+ module, 4P+ module.  
 3. Equipment production beat: ≤ 10 seconds/pole.  
 4. The same shell frame product, different poles can be switched by one key or by scanning the code; different shell frame products need to change moulds or fixtures manually.  
 5. The number of testing fixtures is an integer multiple of 8, and the size of the fixtures can be customized according to the product type.  
 6. Testing current, time, speed, temperature coefficient, cooling time and other parameters can be set arbitrarily.  
 7. The equipment has alarm display functions such as fault alarm and pressure monitoring.  
 8. Two operating systems, Chinese and English.  
 9. All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA and Taiwan.  
 10. The equipment can be equipped with optional functions such as "Intelligent Energy Analysis and Energy Saving Management System" and "Intelligent Equipment Service Big Data Cloud Platform".  
 11. With independent independent intellectual property rights



081

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082





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**MANUAL MODULE ASSEMBLY AND ASSEMBLY EQUIPMENT**  
**人工模块装配拼装设备**



**设备名称 EQUIPMENT NAME**

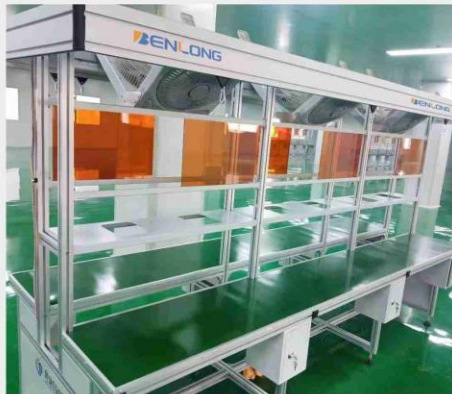
数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 人工模块装配拼装设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Manual module assembly and assembly equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、定制化、可视化、一键切换、远程维护设计、预警通知、评估报告、  
 数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote  
 maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle  
 management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动上料、零部件成型、装配、检测、下料、缺料报警、90°旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命  
 监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 loading, component forming, assembly, testing, discharging, missing material alarm, 90° rotation and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
  3. 设备生产节拍：≤10秒/极。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；切换产品需要人工更换模具或夹具。
  5. 装配方式：人工装配、自动装配两种可任意选配。
  6. 设备夹具可根据产品型号定做。
  7. 设备具有故障报警、压力监测等报警显示功能。
  8. 中文版和英文版两种操作系统。
  9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  11. 具有独立的自主知识产权
- 1 - Device input voltage 220V±10%, 50Hz; ±1Hz;  
 2 - Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 1P+ module, 2P+ module, 3P+ module, 4P+ module.  
 3 - Equipment production beat: ≤ 10 seconds/pole.  
 4 - The same shell and frame products, different poles can be switched with one key or by scanning the code; switching products requires manual replacement of moulds or fixtures.  
 5 - Assembly method: manual assembly and automatic assembly can be optional.  
 6 - Equipment fixture can be customized according to the product type.  
 7 - Equipment with fault alarm, pressure monitoring and other alarm display functions.  
 8 - Two kinds of operating systems: Chinese and English.  
 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA and Taiwan.  
 10 - The equipment can be equipped with optional functions such as "Intelligent Energy Analysis and Energy Saving Management System" and "Intelligent Equipment Service Big Data Cloud Platform".  
 11 - With independent intellectual property rights



083

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084





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC NAIL THREADING AND RIVETING EQUIPMENT**  
**自动穿钉铆接设备**

A

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动穿钉铆接设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic nail threading and riveting equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

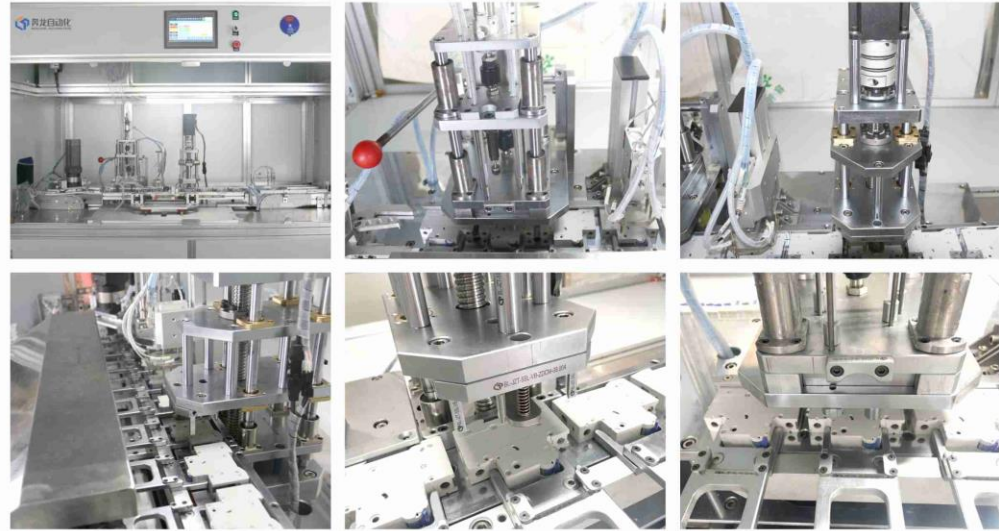
Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switch,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



A 款 paragraph

B 款 paragraph

C 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动穿钉铆接、CCD检测、不良品区分、缺料报警、翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic riveting through rivets, CCD detection, defective product differentiation, shortage of material alarm, flip erection and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、5P
  3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 铆钉供料方式为振动盘供料；噪音≤80分贝；铆钉数量及模具可根据产品型号定做。
  6. 分钉机构速度和真空度参数可任意设定。
  7. 铆压形式为凸轮铆压和伺服铆压两种可选。
  8. 铆压速度参数可任意设定。
  9. 设备具有故障报警、压力监测等报警显示功能。
  10. 中文版和英文版两种操作系统。
  11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  12. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  13. 具有独立的自主知识产权。
- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
  - 2 - Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 5P
  - 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  - 4 - The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.
  - 5 - The rivet feeding method is vibrating plate feeding; noise ≤ 80 decibels; the number of rivets and molds can be customized according to the product model.
  - 6 - The speed and vacuum degree parameters of the nail splitting mechanism can be set arbitrarily.
  - 7 - The riveting pressure form is cam riveting and servo riveting two optional.
  - 8 - Riveting speed parameters can be set arbitrarily.
  - 9 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
  - 10 - Chinese and English version of the two operating systems.
  - 11 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
  - 12 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  - 13 - With independent intellectual property rights.



085

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 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC NAIL THREADING AND RIVETING EQUIPMENT**  
**自动穿钉铆接设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动穿钉铆接设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers. Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic nail threading and riveting equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动穿铆钉铆接、CCD检测、不良品区分、缺料报警、翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic riveting through rivets, CCD detection, defective product differentiation, shortage of material alarm, flip erection and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、5P
  3. 设备生产节拍：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 铆钉供料方式为振动盘供料；噪音≤80分贝；铆钉数量及模具可根据产品型号定做。
  6. 分钉机构速度和真空度参数可任意设定。
  7. 铆压形式为凸轮铆压和伺服铆压两种可选。
  8. 铆压速度参数可任意设定。
  9. 设备具有故障报警、压力监测等报警显示功能。
  10. 中文版和英文版两种操作系统。
  11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  12. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  13. 具有独立的自主知识产权。
- 
- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
  - 2 - Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 5P
  - 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  - 4 - The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.
  - 5 - The rivet feeding method is vibrating plate feeding; noise ≤ 80 decibels; the number of rivets and molds can be customized according to the product model.
  - 6 - The speed and vacuum degree parameters of the nail splitting mechanism can be set arbitrarily.
  - 7 - The riveting pressure form is cam riveting and servo riveting two optional.
  - 8 - Riveting speed parameters can be set arbitrarily.
  - 9 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
  - 10 - Chinese and English version of the two operating systems.
  - 11 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
  - 12 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  - 13 - With independent intellectual property rights.



087

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

088





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC NAIL THREADING AND RIVETING EQUIPMENT**  
**自动穿钉铆接设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动穿钉铆接设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic nail threading and riveting equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



A 款 paragraph



B 款 paragraph



C 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动穿钉铆接、CCD检测、不良品区分、缺料报警、翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic riveting through rivets, CCD detection, defective product differentiation, shortage of material alarm, flip erection and other processes.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压220V/380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、5P
  3. 设备生产节拍：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 铆钉供料方式为振动盘供料；噪音≤80分贝；铆钉数量及模具可根据产品型号定做。
  6. 分钉机构速度和真空度参数可任意设定。
  7. 铆压形式为凸轮铆压和伺服铆压两种可选。
  8. 铆压速度参数可任意设定。
  9. 设备具有故障报警、压力监测等报警显示功能。
  10. 中文版和英文版两种操作系统。
  11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  12. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  13. 具有独立的自主知识产权。
- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
  - 2 - Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 5P
  - 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  - 4 - The same shell frame product, different poles can be switched with one key or sweeping code; different shell frame products need to manually replace the mold or fixture.
  - 5 - The rivet feeding method is vibrating plate feeding; noise ≤ 80 decibels; the number of rivets and molds can be customized according to the product model.
  - 6 - The speed and vacuum degree parameters of the nail splitting mechanism can be set arbitrarily.
  - 7 - The riveting pressure form is cam riveting and servo riveting two optional.
  - 8 - Riveting speed parameters can be set arbitrarily.
  - 9 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
  - 10 - Chinese and English version of the two operating systems.
  - 11 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, the United States, Taiwan, etc.
  - 12 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  - 13 - With independent intellectual property rights.



089

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

090





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ELECTRONIC INTEGRATED TESTING EQUIPMENT**  
**自动电子综合检测设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动电子综合检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic electronic integrated testing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动读码与数据关联、按键检测、漏电校准、漏电检测、缺相、过压、欠压、分合闸检测、同步性、谐波输出、远程通讯、蓝牙/WiFi  
 NB/4G通讯/载波、浪涌、电弧等工序的装配、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、  
 关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 With automatic code reading and data correlation, key detection, leakage calibration, leakage detection, phase loss, overvoltage, undervoltage, split-close detection, synchronisation,  
 harmonic output, remote communication, Bluetooth/WiFi/NB/4G communication/carrier, surge, electrical isolation and other processes of assembly, defective product differentiation,  
 shortage alarm, defective product return and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data  
 storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data  
 cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍：30秒~90秒/台，具体以客户产品检测项目确定。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 兼容产品类型：B型、C型、D型、交流断路器A型漏电特性132种规格、交流断路器AC型漏电特性132种规格、交流断路器不带漏电特性132种规格、直流断路器不带漏电特性132种规格、共≥528种规格可选。
6. 该设备检测产品次数：1-999999次可以任意设定。
7. 该设备的上下料方式为：机器人或气动手指两种可选。
8. 设备及仪器仪表精度：符合国家相关执行标准。
9. 设备具有故障报警、压力监测等报警显示功能。
10. 中文版和英文版两种操作系统。
11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
12. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
13. 具有独立的自主知识产权



1. Equipment input voltage 380V±10%, 50Hz; ±1Hz;
2. Equipment compatible with the number of poles: 1P+ module, 2P+ module, 3P+ module, 4P+ module.
3. Equipment production beat: 30 seconds ~ 90 seconds/set, to be determined by the customer's product testing items.
- 4 - The same shell and frame product, different poles can be switched by one key or by sweeping the code; different shell and frame products need to change moulds or fixtures manually.
- 5 - Compatible product types: B type, C type, D type, AC circuit breaker A type leakage characteristics 132 specifications, AC circuit breaker AC type leakage characteristics 132 specifications, AC circuit breaker without leakage characteristics 132 specifications, DC circuit breaker without leakage characteristics 132 specifications, a total of ≥ 528 specifications can be selected.
- 6 - The number of times the equipment detects the product: 1-999999 times can be set arbitrarily.
- 7 - The equipment loading and unloading method is: robot or pneumatic finger two optional.
- 8 - The equipment and instrumentation precision: in line with the relevant national implementation standards.
- 9 - The equipment has alarm display functions such as fault alarm and pressure monitoring.
- 10 - Two kinds of operating systems, Chinese and English.
- 11 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA and Taiwan.
- 12 - The equipment can be equipped with optional functions such as "Intelligent Energy Analysis and Energy Saving Management System" and "Intelligent Equipment Service Big Data Cloud Platform".
- 13 - With independent independent intellectual property rights





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ELECTRONIC INTEGRATED TESTING EQUIPMENT**  
**自动电子综合检测设备**

**设备名称 EQUIPMENT NAME**

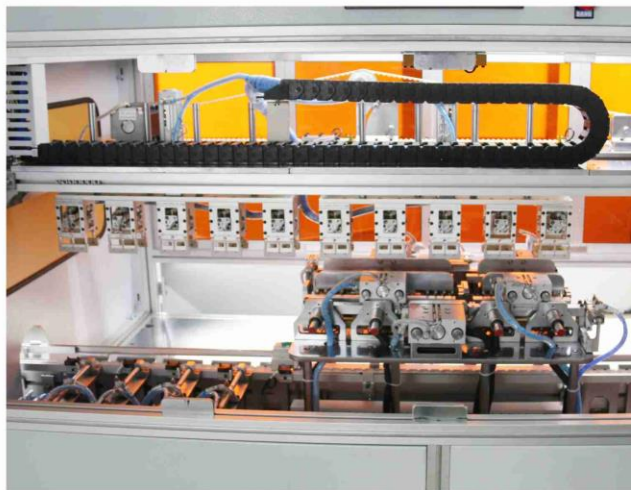
数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动电子综合检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic electronic integrated testing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动读码与数据关联、按键检测、漏电校准、漏电检测、缺相、过压、欠压、分合闸检测、同步性、谐波输出、远程通讯、蓝牙/WiFi  
 NB/4G通讯/载波、浪涌、电弧等工序的装配、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、  
 关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 With automatic code reading and data correlation, key detection, leakage calibration, leakage detection, phase loss, overvoltage, undervoltage, split-close detection, synchronisation,  
 harmonic output, remote communication, Bluetooth/WiFi/NB/4G communication/carrier, surge, electrical isolation and other processes of assembly, defective product differentiation,  
 shortage alarm, defective product rework and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data  
 storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data  
 cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍：30秒~90秒/台，具体以客户产品检测项目确定。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 兼容产品类型：B型、C型、D型、交流断路器A型漏电特性132种规格、交流断路器AC型漏电特性132种规格、  
交流断路器不带漏电特性132种规格、直流断路器不带漏电特性132种规格、共528种规格可选。
6. 该设备检测产品次数：1-999999次可以任意设定。
7. 该设备的上下料方式为：机器人或气动手指两种可选。
8. 设备及仪器仪表精度：符合国家相关执行标准。
9. 设备具有故障报警、压力监测等报警显示功能。
10. 中文版和英文版两种操作系统。
11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
12. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
13. 具有独立的自主知识产权



1. Equipment input voltage 380V±10%, 50Hz; ±1Hz;
2. Equipment compatible with the number of poles: 1P+ module, 2P+ module, 3P+ module, 4P+ module.
3. Equipment production beat: 30 seconds ~ 90 seconds/set, to be determined by the customer's product testing items.
4. The same shell and frame product, different poles can be switched by one key or by sweeping the code; different shell and frame products need to change moulds or fixtures manually.
5. Compatible product types: B type, C type, D type, AC circuit breaker A type leakage characteristics 132 specifications, AC circuit breaker AC type leakage characteristics 132 specifications,  
AC circuit breaker without leakage characteristics 132 specifications, DC circuit breaker without leakage characteristics 132 specifications, a total of 528 specifications can be selected.
6. The number of times the equipment detects the product: 1-999999 times can be set arbitrarily.
7. The equipment loading and unloading method is: robot or pneumatic finger two optional.
8. The equipment and instrumentation precision: in line with the relevant national implementation standards.
9. The equipment has alarm display functions such as fault alarm and pressure monitoring.
10. Two kinds of operating systems, Chinese and English.
11. All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA and Taiwan.
12. The equipment can be equipped with optional functions such as "Intelligent Energy Analysis and Energy Saving Management System" and "Intelligent Equipment Service Big Data Cloud Platform".
13. With independent intellectual property rights



093

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级 4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

094





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ELECTRONIC INTEGRATED TESTING EQUIPMENT**  
**自动电子综合检测设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动电子综合检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic electronic integrated testing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动读码与数据关联、按键检测、漏电校准、漏电检测、缺相、过压、欠压、分合闸检测、同步性、谐波输出、远程通讯、蓝牙/WiFi  
 NB/4G通讯/载波、浪涌、电弧等工序的装配、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、  
 关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 With automatic code reading and data correlation, key detection, leakage calibration, leakage detection, phase loss, overvoltage, undervoltage, split-close detection, synchronisation,  
 harmonic output, remote communication, Bluetooth/WiFi/NB/4G communication/carrier, surge, electrical isolation and other processes of assembly, defective product differentiation,  
 shortage alarm, defective product return and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data  
 storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data  
 cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍：30秒~90秒/台，具体以客户产品检测项目确定。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 兼容产品类型：B型、C型、D型、交流断路器A型漏电特性132种规格、交流断路器AC型漏电特性132种规格、  
交流断路器不带漏电特性132种规格、直流断路器不带漏电特性132种规格、共≥528种规格可选。
6. 该设备检测产品次数：1-999999次可以任意设定。
7. 该设备的上下料方式为：机器人或气动手指两种可选。
8. 设备及仪器仪表精度：符合国家相关执行标准。
9. 设备具有故障报警、压力监测等报警显示功能。
- 10、中文版和英文版两种操作系统。
- 11、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
12. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
13. 具有独立的自主知识产权



1. Equipment input voltage 380V±10%, 50Hz; ±1Hz;
2. Equipment compatible with the number of poles: 1P+ module, 2P+ module, 3P+ module, 4P+ module.
3. Equipment production beat: 30 seconds ~ 90 seconds/set, to be determined by the customer's product testing items.
- 4 - The same shell and frame product, different poles can be switched by one key or by sweeping the code; different shell and frame products need to change moulds or fixtures manually.
- 5 - Compatible product types: B type, C type, D type, AC circuit breaker A type leakage characteristics 132 specifications, AC circuit breaker AC type leakage characteristics 132 specifications,  
AC circuit breaker without leakage characteristics 132 specifications, DC circuit breaker without leakage characteristics 132 specifications, a total of ≥ 528 specifications can be selected.
- 6 - The number of times the equipment detects the product: 1-999999 times can be set arbitrarily.
- 7 - The equipment loading and unloading method is: robot or pneumatic finger two optional.
- 8 - The equipment and instrumentation precision: in line with the relevant national implementation standards.
- 9 - The equipment has alarm display functions such as fault alarm and pressure monitoring.
- 10 - Two kinds of operating systems, Chinese and English.
- 11 - All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA and Taiwan.
- 12 - The equipment can be equipped with optional functions such as "Intelligent Energy Analysis and Energy Saving Management System" and "Intelligent Equipment Service Big Data Cloud Platform".
- 13 - With independent independent intellectual property rights





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ELECTRONIC INTEGRATED TESTING EQUIPMENT**  
**自动电子综合检测设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动电子综合检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic electronic integrated testing equipment



**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动读码与数据关联、按键检测、漏电校准、漏电检测、缺相、过压、欠压、分合闸检测、同步性、谐波输出、远程通讯、蓝牙/WiFi/NB/4G通讯/载波、浪涌、电弧等工序的装配、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。With automatic code reading and data correlation, key detection, leakage calibration, leakage detection, phase loss, overvoltage, undervoltage, split-close detection, synchronisation, harmonic output, remote communication, Bluetooth/WiFi/4G communication/carrier, surge, electrical isolation and other processes of assembly, defective product differentiation, shortage alarm, defective product rework and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍：30秒~90秒/台，具体以客户产品检测项目确定。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 兼容产品类型：B型、C型、D型。交流断路器A型漏电特性132种规格、交流断路器AC型漏电特性132种规格、交流断路器不带漏电特性132种规格、直流断路器不带漏电特性132种规格、共≥528种规格可选。
6. 该设备检测产品次数：1-999999次可以任意设定。
7. 该设备的上下料方式为：机器人或气动手指两种可选。
8. 设备及仪器仪表精度：符合国家相关执行标准。
9. 设备具有故障报警、压力监测等报警显示功能。
10. 中文版和英文版两种操作系统。
11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
12. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
13. 具有独立的自主知识产权



1. Equipment input voltage 380V±10%, 50Hz; ±1Hz;
2. Equipment compatible with the number of poles: 1P+ module, 2P+ module, 3P+ module, 4P+ module.
3. Equipment production beat: 30 seconds ~ 90 seconds/set, to be determined by the customer's product testing items.
4. The same shell and frame product, different poles can be switched by one key or by sweeping the code; different shell and frame products need to change moulds or fixtures manually.
5. Compatible product types: B type, C type, D type. AC circuit breaker A type leakage characteristics 132 specifications, AC circuit breaker AC type leakage characteristics 132 specifications, AC circuit breaker without leakage characteristics 132 specifications, DC circuit breaker without leakage characteristics 132 specifications, a total of ≥ 528 specifications can be selected.
6. The number of times the equipment detects the product: 1-999999 times can be set arbitrarily.
7. The equipment loading and unloading method is: robot or pneumatic finger two optional.
8. The equipment and instrumentation precision: in line with the relevant national implementation standards.
9. The equipment has alarm display functions such as fault alarm and pressure monitoring.
10. Two kinds of operating systems, Chinese and English.
11. All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA and Taiwan.
12. The equipment can be equipped with optional functions such as "Intelligent Energy Analysis and Energy Saving Management System" and "Intelligent Equipment Service Big Data Cloud Platform".
13. With independent independent intellectual property rights



097

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级 4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

098





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ASSEMBLY OF STOPPING PARTS EQUIPMENT**  
**自动装配止动件设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动装配止动件设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers. Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic assembly of stopping devices

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

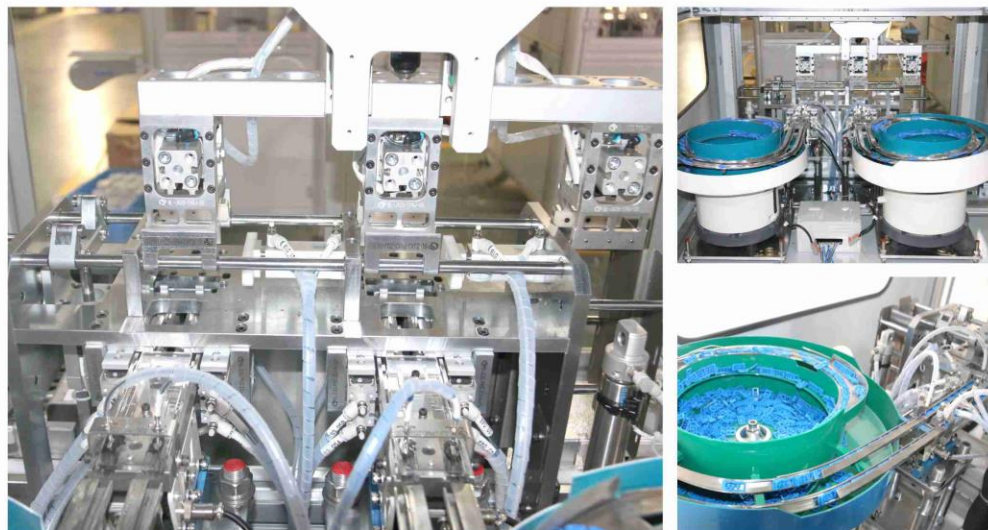
Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



A 款 paragraph

B 款 paragraph

C 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动装配止动件、CCD视觉检测、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键  
 元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 assembly of stopping parts, CCD visual inspection, defective product differentiation, missing material alarm, defective product rework.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压380V±10%，50Hz；±1Hz；
  - 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
  - 3、设备生产节拍：1秒/级、1.2秒/级、1.5秒/级、2秒/级、3秒/级；五种不同规格设备。
  - 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  - 5、不良品检测方式为：CCD视觉检测或光纤传感器检测两种可选。
  - 6、产品处于水平状态下装配，止动件为振动盘供料；噪音≤80分贝。
  - 7、设备具有故障报警、压力监测等报警显示功能。
  - 8、中文版和英文版两种操作系统。
  - 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  - 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  - 11、具有独立的自主知识产权。
- 1 · Device input voltage 380V±10%, 50Hz; ±1Hz;
  - 2 · Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
  - 3 · Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  - 4 · The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
  - 5 · Defective product detection method is: CCD vision detection or fiber optic sensor detection two optional.
  - 6 · The product is assembled in horizontal state, and the stopping parts are fed by vibration plate; noise ≤ 80 decibels.
  - 7 · Equipment with fault alarm, pressure monitoring and other alarm display functions.
  - 8 · Two kinds of operating systems, Chinese and English.
  - 9 · All core parts are imported from different countries and regions, such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
  - 10 · The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  - 11 · With independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ASSEMBLY OF STOPPING PARTS EQUIPMENT**

**自动装配止动件设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动装配止动件设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic assembly of stopping devices

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

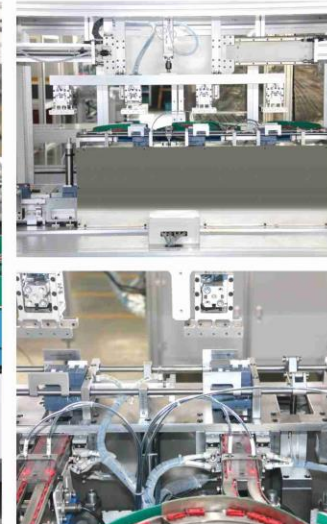
Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



A 款 paragraph

B 款 paragraph

C 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动装配止动件、CCD视觉检测、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键  
 元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 assembly of stopping parts, CCD visual inspection, defective product differentiation, missing material alarm, defective product rework.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
- 5、不良品检测方式为：CCD视觉检测或光纤传感器检测两种可选。
- 6、产品处于水平状态下装配，止动件为振动盘供料；噪音≤80分贝。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。



- 1 · Device input voltage 380V±10%, 50Hz; ±1Hz;
- 2 · Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 · Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 · The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
- 5 · Defective product detection method is: CCD vision detection or fiber optic sensor detection two optional.
- 6 · The product is assembled in horizontal state, and the stopping parts are fed by vibration plate; noise ≤ 80 decibels.
- 7 · Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 8 · Two kinds of operating systems, Chinese and English.
- 9 · All core parts are imported from different countries and regions, such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 · The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 · With independent intellectual property rights.



**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC ASSEMBLY OF STOPPING PARTS EQUIPMENT**  
**自动装配止动件设备**

**设备名称 EQUIPMENT NAME**

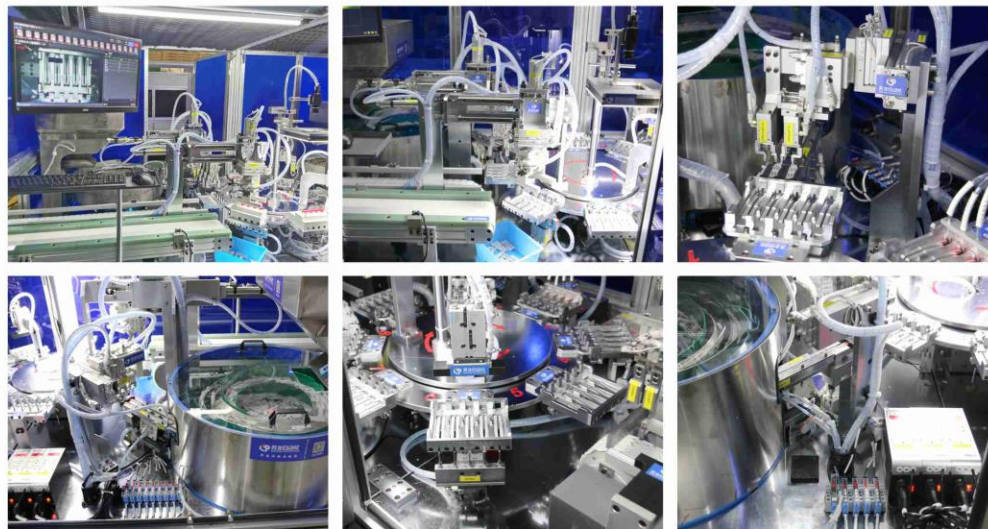
数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动装配止动件设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic assembly of stopping devices

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动装配止动件、CCD视觉检测、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键  
 元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 assembly of stopping parts, CCD visual inspection, defective product differentiation, missing material alarm, defective product rework.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
- 5、不良品检测方式为：CCD视觉检测或光纤传感器检测两种可选。
- 6、产品处于水平状态下装配，止动件为振动盘送料；噪音≤80分贝。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。



- 1 · Device input voltage 380V±10%, 50Hz; ±1Hz;
- 2 · Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 · Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 · The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
- 5 · Defective product detection method is: CCD vision detection or fiber optic sensor detection two optional.
- 6 · The product is assembled in horizontal state, and the stopping parts are fed by vibration plate; noise ≤ 80 decibels.
- 7 · Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 8 · Two kinds of operating systems, Chinese and English.
- 9 · All core parts are imported from different countries and regions, such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 · The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 · With independent intellectual property rights.

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**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC PAD PRINTING EQUIPMENT**  
**自动移印设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动移印设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic pad printing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.

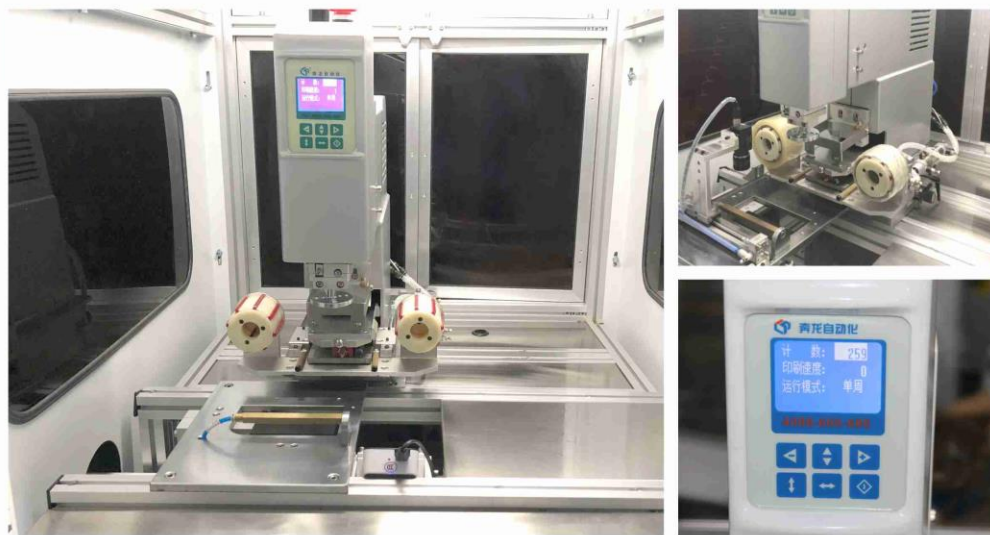


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D 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动清洁、移印、CCD视觉检测、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键  
 元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 cleaning, pad printing, CCD visual inspection, defective product differentiation, missing material alarm, defective product return rework.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
- 5、不良品检测方式为：CCD视觉检测。
- 6、移印机为环保移印机，自带清洁系统和X、Y、Z调节机构。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。

- 1 - Device input voltage 380V±10%, 50Hz: ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
- 5 - Defective product detection method is: CCD visual detection.
- 6 - The pad printing machine is environmental protection pad printing machine, with its own cleaning system and X, Y, Z adjustment mechanism.
- 7 - The equipment has alarm display function such as fault alarm and pressure monitoring.
- 8 - Two operating systems, Chinese and English.
- 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC PAD PRINTING EQUIPMENT**  
**自动移印设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动移印设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers. Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic pad printing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.

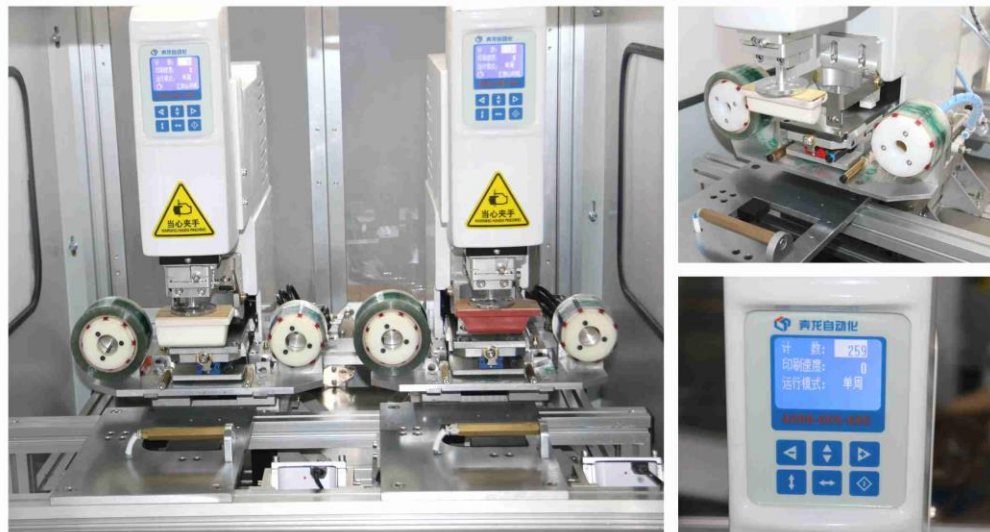


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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动清洁、移印、CCD视觉检测、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键  
 元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 cleaning, pad printing, CCD visual inspection, defective product differentiation, missing material alarm, defective product return rework.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 不良品检测方式为：CCD视觉检测。
6. 移印机为环保移印机，自带清洁系统和X、Y、Z调节机构。
7. 设备具有故障报警、压力监测等报警显示功能。
8. 中文版和英文版两种操作系统。
9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
11. 具有独立的自主知识产权。

- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
- 5 - Defective product detection method is: CCD visual detection.
- 6 - The pad printing machine is environmental protection pad printing machine, with its own cleaning system and X, Y, Z adjustment mechanism.
- 7 - The equipment has alarm display function such as fault alarm and pressure monitoring.
- 8 - Two operating systems, Chinese and English.
- 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC PAD PRINTING EQUIPMENT**  
**自动移印设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动移印设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic pad printing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.

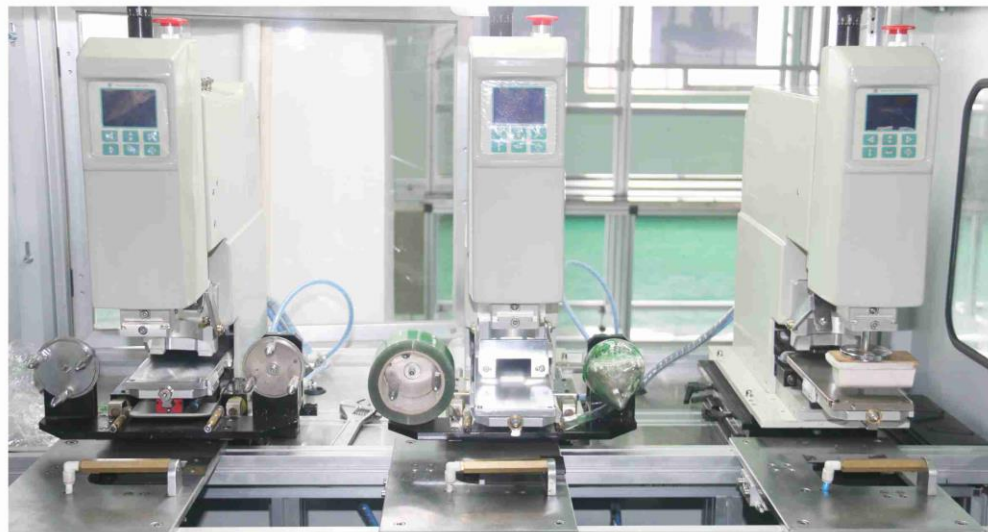


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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动清洁、移印、CCD视觉检测、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键  
 元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with  
 ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic  
 cleaning, pad printing, CCD visual inspection, defective product differentiation, missing material alarm, defective product return rework.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
5. 不良品检测方式为：CCD视觉检测。
6. 移印机为环保移印机，自带清洁系统和X、Y、Z调节机构。
7. 设备具有故障报警、压力监测等报警显示功能。
8. 中文版和英文版两种操作系统。
9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
11. 具有独立的自主知识产权。

- 1 - Device input voltage 380V±10%, 50Hz: ±1Hz;
- 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
- 5 - Defective product detection method is: CCD visual detection.
- 6 - The pad printing machine is environmental protection pad printing machine, with its own cleaning system and X, Y, Z adjustment mechanism.
- 7 - The equipment has alarm display function such as fault alarm and pressure monitoring.
- 8 - Two operating systems, Chinese and English.
- 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC PAD PRINTING EQUIPMENT**  
**自动移印设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器、智慧断路器、万能式微型断路器、5G断路器、智能断路器自动移印设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers, Miniature Fusion Circuit Breakers, Intelligent circuit breaker, universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker Automatic pad printing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、定制化、可视化、一键切换、远程维护设计、预警通知、评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle management.



A款 paragraph

B款 paragraph

C款 paragraph


D款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动清洁、移印、CCD视觉检测、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。It has the functions of online monitoring, real-time monitoring, quality traceability, barcode identification, key component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc. for automatic cleaning, pad printing, CCD visual inspection, defective product differentiation, missing material alarm, defective product return rework.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
  3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 不良品检测方式为：CCD视觉检测。
  6. 移印机为环保移印机，自带清洁系统和X、Y、Z调节机构。
  7. 设备具有故障报警、压力监测等报警显示功能。
  8. 中文版和英文版两种操作系统。
  9. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  10. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  11. 具有独立的自主知识产权。
- 
- 1 - Device input voltage 380V±10%, 50Hz: ±1Hz;
  - 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
  - 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  - 4 - The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
  - 5 - Defective product detection method is: CCD visual detection.
  - 6 - The pad printing machine is environmental protection pad printing machine, with its own cleaning system and X, Y, Z adjustment mechanism.
  - 7 - The equipment has alarm display function such as fault alarm and pressure monitoring.
  - 8 - Two operating systems, Chinese and English.
  - 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
  - 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  - 11 - With independent intellectual property rights.



**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC PAD PRINTING  
 LASER MARKING EQUIPMENT**  
**自动移印/激光打标设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器、智慧断路器、万能式微型断路器、5G断路器、智能断路器自动移印/激光打标设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers, Miniature Fusion Circuit Breakers, Intelligent circuit breaker, universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker Automatic Pad Printing / Laser Marking Equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、定制化、可视化、一键切换、远程维护设计、预警通知、评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动激光打标产品商标、产品参数、CCD视觉检测、不良品区分、缺料报警、自动旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic laser marking product trademark, product parameters, CCD visual inspection, defective product differentiation, lack of material alarm, automatic rotation and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P+模块、2P+模块、3P+模块、4P+模块。
  3. 设备生产节拍：≤10秒/极。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 不良品检测方式为：CCD视觉检测。
  6. 激光参数可以预存控制系统内，自动调取打标；打标内容可任意编辑。
  7. 设备为气动手指自动上下料，夹具可根据产品型号定做。
  8. 设备具有故障报警、压力监测等报警显示功能。
  9. 中文版和英文版两种操作系统。
  10. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  11. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  12. 具有独立的自主知识产权
- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz;  
 2 - Equipment compatible with the number of poles: 1P+ module, 2P+ module, 3P+ module, 4P+ module.  
 3 - Equipment production beat: ≤ 10 seconds/pole.  
 4 - The same shell and frame products, different poles can be switched by one key or sweeping the code to switch; different shell and frame products need to manually replace the mold or fixture.  
 5 - Defective products detection method: CCD visual inspection.  
 6 - Laser parameters can be pre-saved in the control system, automatically retrieve marking; marking content can be arbitrarily edited.  
 7 - The equipment is pneumatic finger automatic loading and unloading, the fixture can be customized according to the product model.  
 8 - The equipment has alarm display function such as fault alarm and pressure monitoring.  
 9 - Two kinds of operating systems, Chinese and English.  
 10 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.  
 11 - The equipment can be equipped with optional functions such as "Intelligent energy analysis and energy saving management system" and "Intelligent equipment service big data cloud platform".  
 12 - With independent intellectual property rights





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**ROBOT + AUTOMATIC LASER MARKING EQUIPMENT**  
**机器人+自动激光打标设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 机器人+自动激光打标设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Robot + automatic laser marking equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动激光打标产品商标、产品参数、CCD视觉检测、不良品区分、缺料报警、自动旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic laser marking product trademark, product parameters, CCD visual inspection, defective product differentiation, lack of material alarm, automatic rotation and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
  3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 不良品检测方式为：CCD视觉检测。
  6. 激光参数可以预存控制系统内，自动调取打标；打标内容可任意编辑。
  7. 设备为机器人自动上下料，夹具可根据产品型号定做。
  8. 设备具有故障报警、压力监测等报警显示功能。
  9. 中文版和英文版两种操作系统。
  10. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  11. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  12. 具有独立的自主知识产权。
1. Device input voltage 380V±10%, 50Hz; ±1Hz;
  2. Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
  3. Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  4. The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
  5. Defective products detection method: CCD visual inspection.
  6. Laser parameters can be pre-saved in the control system, automatically retrieve the marking; marking content can be edited at will.
  7. The equipment is robot automatic loading and unloading, the fixture can be customized according to the product model.
  8. The equipment has alarm display function such as fault alarm and pressure monitoring.
  9. Two kinds of operating systems, Chinese and English.
  10. All core parts are imported from different countries and regions, such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
  11. The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  12. With independent intellectual property rights.



A 款 paragraph

B 款 paragraph

C 款 paragraph

D 款 paragraph





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**ROBOT + AUTOMATIC LASER MARKING EQUIPMENT**  
**自动激光打标设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动激光打标设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 automatic laser marking equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



A 款 paragraph

B 款 paragraph

C 款 paragraph

D 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动激光打标产品商标、产品参数、CCD视觉检测、不良品区分、缺料报警、自动旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic laser marking product trademark, product parameters, CCD visual inspection, defective product differentiation, lack of material alarm, automatic rotation and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
  3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 不良品检测方式为：CCD视觉检测。
  6. 激光参数可以预存控制系统内，自动调取打标；打标内容可任意编辑。
  7. 设备为机器人自动上下料，夹具可根据产品型号定做。
  8. 设备具有故障报警、压力监测等报警显示功能。
  9. 中文版和英文版两种操作系统。
  10. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  11. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  12. 具有独立的自主知识产权。
1. Device input voltage 380V±10%, 50Hz; ±1Hz;
  2. Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
  3. Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  4. The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
  5. Defective products detection method: CCD visual inspection.
  6. Laser parameters can be pre-saved in the control system, automatically retrieve the marking; marking content can be edited at will.
  7. The equipment is robot automatic loading and unloading, the fixture can be customized according to the product model.
  8. The equipment has alarm display function such as fault alarm and pressure monitoring.
  9. Two kinds of operating systems, Chinese and English.
  10. All core parts are imported from different countries and regions, such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
  11. The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  12. With independent independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**ROBOT + AUTOMATIC LASER MARKING EQUIPMENT**  
**自动激光打标设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动激光打标设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 automatic laser marking equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



A 款 paragraph

B 款 paragraph

C 款 paragraph

D 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动激光打标产品商标、产品参数、CCD视觉检测、不良品区分、缺料报警、自动旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic laser marking product trademark, product parameters, CCD visual inspection, defective product differentiation, lack of material alarm, automatic rotation and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
  3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 不良品检测方式为：CCD视觉检测。
  6. 激光参数可以预存控制系统内，自动调取打标；打标内容可任意编辑。
  7. 设备为机器人自动上下料，夹具可根据产品型号定做。
  8. 设备具有故障报警、压力监测等报警显示功能。
  9. 中文版和英文版两种操作系统。
  10. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  11. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  12. 具有独立的自主知识产权。
- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz;
  - 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
  - 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  - 4 - The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
  - 5 - Defective products detection method: CCD visual inspection.
  - 6 - Laser parameters can be pre-saved in the control system, automatically retrieve the marking; marking content can be edited at will.
  - 7 - The equipment is robot automatic loading and unloading, the fixture can be customized according to the product model.
  - 8 - The equipment has alarm display function such as fault alarm and pressure monitoring.
  - 9 - Two kinds of operating systems, Chinese and English.
  - 10 - All core parts are imported from different countries and regions, such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
  - 11 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  - 12 - With independent independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**ROBOT + AUTOMATIC LASER MARKING EQUIPMENT**  
**自动激光打标设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动激光打标设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers. Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 automatic laser marking equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



A 款 paragraph



B 款 paragraph



C 款 paragraph



D 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动激光打标产品商标、产品参数、CCD视觉检测、不良品区分、缺料报警、自动旋转等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic laser marking product trademark, product parameters, CCD visual inspection, defective product differentiation, lack of material alarm, automatic rotation and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块
  3. 设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 不良品检测方式为：CCD视觉检测。
  6. 激光参数可以预存控制系统内，自动调取打标；打标内容可任意编辑。
  7. 设备为机器人自动上下料，夹具可根据产品型号定做。
  8. 设备具有故障报警、压力监测等报警显示功能。
  9. 中文版和英文版两种操作系统。
  10. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  11. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  12. 具有独立的自主知识产权。
- 1 - Device input voltage 380V±10%, 50Hz; ±1Hz;
  - 2 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
  - 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
  - 4 - The same shell frame product, different poles can be switched by one key or sweeping the code to switch; different shell frame products need to manually replace the mold or fixture.
  - 5 - Defective products detection method: CCD visual inspection.
  - 6 - Laser parameters can be pre-saved in the control system, automatically retrieve the marking; marking content can be edited at will.
  - 7 - The equipment is robot automatic loading and unloading, the fixture can be customized according to the product model.
  - 8 - The equipment has alarm display function such as fault alarm and pressure monitoring.
  - 9 - Two kinds of operating systems, Chinese and English.
  - 10 - All core parts are imported from different countries and regions, such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
  - 11 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  - 12 - With independent independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC LABELING EQUIPMENT**  
**自动贴标设备**

**设备名称 EQUIPMENT NAME**

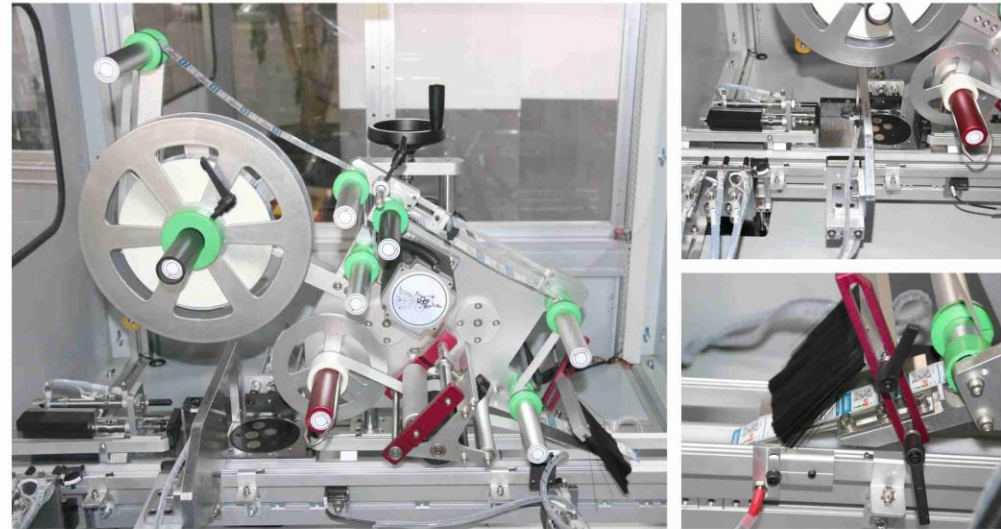
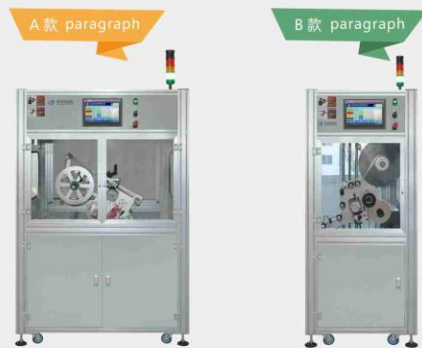
数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动贴标设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers. Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic labeling equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动贴标（二维码标签、条形码标签、ID码标签、图案等）、CCD检测、不良品区分、缺料报警、竖立翻转水平、水平翻转竖立等工  
 序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析  
 与节能管理系统、智能装备服务大数据云平台等功能。

With automatic labeling (2D code label, barcode label, ID code label, pattern, etc.), CCD detection, defective product differentiation, lack of material alarm, vertical flip horizontal,  
 horizontal flip vertical and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage,  
 MES system and ERP system networking, parameters arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data  
 cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V/380V±10%，50Hz；±1Hz；
  - 2、设备兼容极数：1P、2P、3P、4P、5P
  - 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
  - 4、同一壳架产品，不同极数可以一键切换或扫描切换；不同壳架产品需要人工更换模具或夹具。
  - 5、设备夹具可根据产品型号定做。
  - 6、标签为卷材状态，贴标内容可任意更换。
  - 7、设备具有故障报警、压力监测等报警显示功能。
  - 8、中文版和英文版两种操作系统。
  - 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  - 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  - 11、具有独立的自主知识产权。
- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;  
 2 - Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 5P  
 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.  
 4 - The same shell frame product, different poles can be switched by one key or scan switch; different shell frame products need to manually replace the mold or fixture.  
 5 - Equipment fixture can be customized according to the product model.  
 6 - The label is rolled material state, the labeling content can be changed at will.  
 7 - The equipment has alarm display function such as fault alarm and pressure monitoring.  
 8 - Two operating systems, Chinese and English.  
 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.  
 10 - The equipment can be equipped with optional functions such as "Intelligent energy analysis and energy saving management system" and "Intelligent equipment service big data cloud platform".  
 11 - With independent intellectual property rights.



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 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC LABELING EQUIPMENT**  
**自动贴标设备**

**设备名称 EQUIPMENT NAME**

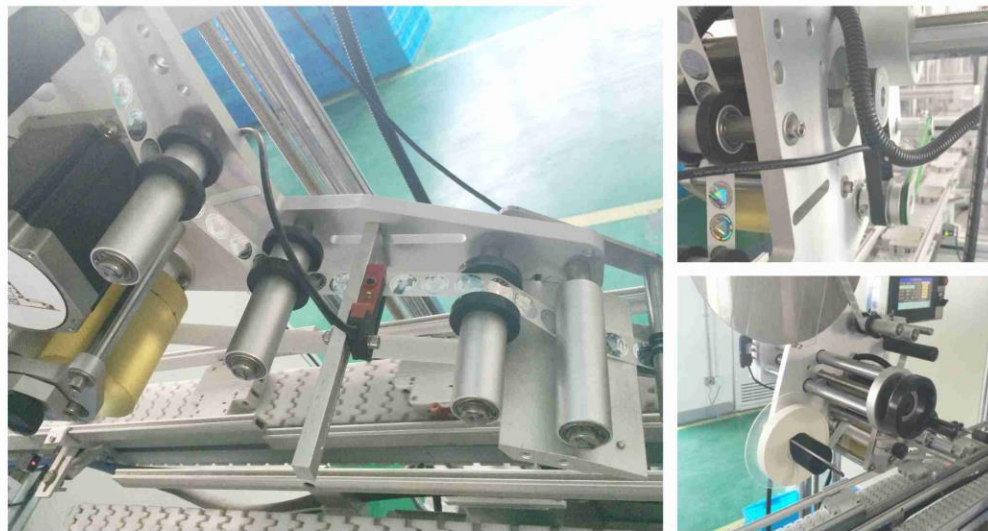
数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动贴标设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic labeling equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动贴标（二维码标签、条形码标签、ID码标签、图案等）、CCD检测、不良品区分、缺料报警、竖立翻转水平、水平翻转竖立等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic labeling (2D code label, barcode label, ID code label, pattern, etc.), CCD detection, defective product differentiation, lack of material alarm, vertical flip horizontal, horizontal flip vertical and other processes of online monitoring, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary recipe, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V/380V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P、2P、3P、4P、5P
- 3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
- 4、同一壳架产品，不同极数可以一键切换或扫描切换；不同壳架产品需要人工更换模具或夹具。
- 5、设备夹具可根据产品型号定做。
- 6、标签为卷料状态，贴标内容可任意更换。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。

- 1 - Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 5P
- 3 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
- 4 - The same shell frame product, different poles can be switched by one key or scan switch; different shell frame products need to manually replace the mold or fixture.
- 5 - Equipment fixture can be customized according to the product model.
- 6 - The label is rolled material state, the labeling content can be changed at will.
- 7 - The equipment has alarm display function such as fault alarm and pressure monitoring.
- 8 - Two operating systems, Chinese and English.
- 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "Intelligent energy analysis and energy saving management system" and "Intelligent equipment service big data cloud platform".
- 11 - With independent intellectual property rights.





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC AGEING TESTING EQUIPMENT**  
**自动老化检测设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动老化检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic ageing testing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design, early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.



A 款 paragraph



B 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动读码与数据关联、机械特性、锁止装置检测、指示灯检测、计量、增益校准、电流校准、电压校准、相位校准、功率、有功功率、  
 无功功率、视在功率、电压相位、电流相位、功率因数、频率、功耗、温度校准、按键检测、漏电流检测、漏电检测、缺相、过压、  
 欠压、分合闸检测、同步性、谐波输出、远程通讯、蓝牙/WiFi/NB/4G通讯/载波、浪涌、电孤等工序的装配、不良品区分、缺料报警、不良  
 品回流返工等工序的装配、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命  
 监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

with automatic code reading and data correlation, mechanical characteristics, locking device detection, indicator detection, metering, gain calibration, current calibration, voltage  
 calibration, phase calibration, power, active power, reactive power, apparent power, voltage phase, current phase, power phase, power factor, frequency, power consumption,  
 temperature calibration, key detection, leakage calibration, leakage detection, phase loss, overvoltage, undervoltage, break-over detection, synchronisation, harmonic output,  
 remote communication, Bluetooth/WiFi/NB/4G communication/carrier, surge, electrical isolation, online monitoring, real-time monitoring, quality traceability, barcode identification,  
 key component life monitoring, data storage, assembly of processes such as defective product differentiation, lack of material alarm, defective product return to work, etc.  
 MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment service big data  
 cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压  $380V \pm 10\%$ ,  $50Hz; \pm 1Hz$ ; 2. 设备兼容极数: 1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
3. 设备生产节拍: 30秒~90秒/台, 具体以客户产品检测项目确定。
4. 同一壳架产品, 不同极数可以一键切换或扫码切换均可; 不同壳架产品需要人工更换模具或夹具。
5. 兼容产品类型: B型、C型、D型。交流断路器A型漏电动特性132种规格、交流断路器AC型漏电动特性132种规格、交流断路器不带漏电动特性132种规格、直流断路器不带漏电动特性132种规格、共 $\geq 528$ 种规格可选。
6. 该设备的上下料方式为: 机器人或气动手指两种可选。
7. 该设备检测产品次数: 1-999999次可以任意设定。
8. 设备及仪器仪表精度: 符合国家相关执行标准。
9. 设备具有故障报警、压力监测等报警显示功能。
10. 中文版和英文版两种操作系统。
11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
12. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。 13. 具有独立的自主知识产权
1. Equipment input voltage  $380V \pm 10\%$ ,  $50Hz; \pm 1Hz$ ; 2. Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 1P+ module, 2P+ module, 3P+ module, 4P+ module.
3. Production speed of the equipment: 30 seconds~90 seconds/set, to be determined by the customer's product testing items.
4. The same shell and frame product, different poles can be switched by one key or by sweeping the code, different shell and frame products need to change moulds or fixtures manually.
5. Compatible product types: B type, C type, D type. AC circuit breaker A type leakage characteristics 132 specifications, AC circuit breaker AC type leakage characteristics 132 specifications, AC circuit breaker without leakage characteristics 132 specifications, DC circuit breaker without leakage characteristics 132 specifications, a total of  $\geq 528$  specifications can be selected.
6. The loading and unloading method of the equipment is: robot or pneumatic finger two optional. 7. the equipment testing product times: 1-99999 times can be set arbitrarily.
8. The accuracy of the equipment and instrumentation: in line with the relevant national implementation standards.
9. The equipment has fault alarm, pressure monitoring and other alarm display functions. 10. Two operating systems, Chinese and English.
11. All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA and Taiwan.
12. The equipment can be equipped with optional functions such as "Intelligent Energy Analysis and Energy Saving Management System" and "Intelligent Equipment Service Big Data Cloud Platform".
13. With independent intellectual property rights





**电表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC AGEING TESTING EQUIPMENT**  
**自动老化检测设备**

B



**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动老化检测设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic ageing testing equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informationization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management, and equipment  
 whole life cycle management.

A款 paragraph



B款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动读码与数据关联、机械特性、锁止装置检测、指示灯检测、计量、增益校准、电流校准、电压校准、相位校准、功率、有功功率、  
 无功功率、视在功率、电压相位、电流相位、功率相位、功率因数、频率、功耗、温度校准、按键检测、漏电校准、漏电检测、缺相、过压、  
 欠压、分合闸检测、同步性、谐波输出、远程通讯、蓝牙/WiFi/NB/4G通讯/载波、浪涌、电孤等工序的装配、不良品区分、缺料报警、不良  
 品回流返工等工序的装配、不良品区分、缺料报警、不良品回流返工等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命  
 监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

with automatic code reading and data correlation, mechanical characteristics, locking device detection, indicator detection, metering, gain calibration, voltage  
 calibration, phase calibration, power, active power, reactive power, apparent power, voltage phase, current phase, power phase, power factor, frequency, power consumption,  
 temperature calibration, key detection, leakage calibration, leakage detection, phase loss, overvoltage, undervoltage, break-over detection, synchronisation, harmonic output,  
 remote communication, Bluetooth/WiFi/NB/4G communication/carrier, surge, electrical isolation, online monitoring, real-time monitoring, quality traceability, barcode identification,  
 key component life monitoring, data storage, assembly of processes such as defective product differentiation, lack of material alarm, defective product return to work, etc.  
 MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment service big data  
 cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

1. 设备输入电压380V±10%，50Hz；±1Hz；
  2. 设备兼容极数：1P、2P、3P、4P、1P+模块、2P+模块、3P+模块、4P+模块。
  3. 设备生产节拍：30秒~90秒/台，具体以客户产品检测项目确定。
  4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；不同壳架产品需要人工更换模具或夹具。
  5. 兼容产品类型：B型、C型、D型。交流断路器A型漏电特性132种规格、交流断路器AC型漏电特性132种规格、交流断路器不带漏电特性132种规格、直流断路器不带漏电特性132种规格、共≥528种规格可选。
  6. 该设备的上下料方式为：机器人或气动手指两种可选。
  7. 该设备检测产品次数：1-99999次可以任意设定。
  8. 设备及仪器仪表精度：符合国家相关执行标准。
  9. 设备具有故障报警、压力监测等报警显示功能。
  10. 中文版和英文版两种操作系统。
  11. 所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  12. 设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  13. 具有独立的自主知识产权
1. Equipment input voltage 380V±10%, 50Hz; ±1Hz; 2. Equipment compatible with the number of poles: 1P, 2P, 3P, 4P, 1P+ module, 2P+ module, 3P+ module, 4P+ module.  
 3. Production speed of the equipment: 30 seconds~90 seconds/set, to be determined by the customer's product testing items.  
 4. The same shell and frame product, different poles can be switched by one key or by sweeping the code; different shell and frame products need to change moulds or fixtures manually.  
 5. Compatible product types: B type, C type, D type. AC circuit breaker A type leakage characteristics 132 specifications, AC circuit breaker AC type leakage characteristics 132 specifications,  
 AC circuit breaker without leakage characteristics 132 specifications, DC circuit breaker without leakage characteristics 132 specifications, a total of ≥528 specifications can be selected.  
 6. The loading and unloading method of the equipment is: robot or pneumatic finger two optional. 7. the equipment testing product times: 1-99999 times can be set arbitrarily.  
 8. The accuracy of the equipment and instrumentation: in line with the relevant national implementation standards.  
 9. The equipment has fault alarm, pressure monitoring and other alarm display functions. 10. Two operating systems, Chinese and English.  
 11. All core accessories are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA and Taiwan.  
 12. The equipment can be equipped with optional functions such as "Intelligent Energy Analysis and Energy Saving Management System" and "Intelligent Equipment Service Big Data Cloud Platform".  
 13. With independent independent intellectual property rights



129

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

130





**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC PACKAGING EQUIPMENT**  
**UNPACKING MACHINE**  
**自动包装设备/开箱机**

A

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动包装设备/开箱机

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic packaging equipment/ Carton opener



**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment  
 whole life cycle management.

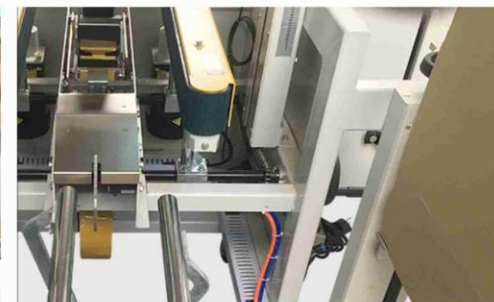
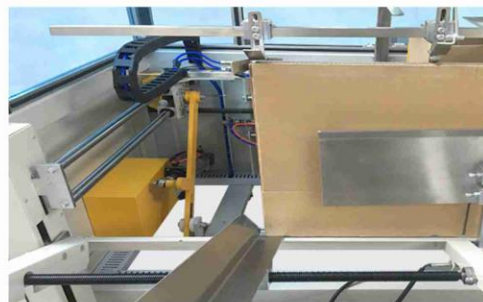
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C 款 paragraph

D 款 paragraph

E 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动隔料分组、产品装袋、热封塑、小盒成型、产品装入小盒内、小盒贴标签、中盒成型、小盒产品装入中盒内、中盒贴标签、外箱自  
 动成型、中盒产品装入外箱内、外箱自动贴标签、检测、喷码、封透明胶带、捆扎带、90°旋转、下料码垛、缺料报警等工序的在线监测、实  
 时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、  
 智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality, traceability, barcode identification, key components life monitoring, data storage, MES system networking with  
 ERP system, intelligent energy analysis and energy saving management system, intelligent equipment service data platform, etc. traceability, barcode identification, key components  
 life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent  
 equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

开箱方式：立式开箱  
 开箱速度：8-12箱/分钟  
 封箱尺寸(mm)：L260-500,W160-400,H180-420  
 电源电压：220V、功率：180W、气压：6kg/cm<sup>3</sup>、耗气量：450NL/min  
 适用胶带宽度：48、60、70mm（择一使用）、胶带搭头：50-70mm  
 纸箱存储量：≈80个（根据纸箱厚度决定）  
 机械尺寸：L2100\*W2050\*H1450mm  
 机器重量：550KG、台面高度：630mm

Opening method: vertical opening, Opening speed: 8-12 boxes/min  
 Seal size (mm): L260-500, W160-400, H180-420  
 Power supply voltage: 220V, power: 180W, air pressure: 6kg/cm<sup>3</sup>, air consumption: 450NL/min  
 Applicable tape width: 48, 60, 70mm (choose one to use), tape hitch: 50-70mm  
 Carton storage capacity: ≈80 (according to the thickness of the carton to decide)  
 Machine size: L2100\*W2050\*H1450mm, Machine weight: 550KG  
 Table height: 630mm



131

高低压电器元器件/新能源元器件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级 4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

132





**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC PACKAGING EQUIPMENT**  
**CAPPING MACHINE**  
**自动包装设备/折盖机**

B

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动包装设备/折盖机

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic packaging equipment/Lid folding machines

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment  
 whole life cycle management.



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B 款 paragraph

C 款 paragraph

D 款 paragraph

E 款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动隔料分组、产品装袋、热封塑、小盒成型、产品装入小盒内、小盒贴标签、中盒成型、小盒产品装入中盒内、中盒贴标签、外箱自动成型、中盒产品装入外箱内、外箱自动贴标签、检测、喷码、封透明胶带、捆扎带、90°旋转、下料码垛、缺料报警等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality, traceability, barcode identification, key components life monitoring, data storage, MES system networking with ERP system, intelligent energy analysis and energy saving management system, intelligent equipment service data platform, etc. traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

封箱速度：8-12箱/分钟  
 封箱尺寸(mm)：L200-600,W130-500,H130-500  
 电源电压：220V，功率：400W，气压：6kg/cm<sup>3</sup>，耗气量：150NL/min  
 适用胶带宽度：48、60、70mm（择一使用）  
 胶带搭头：50-70mm  
 机械尺寸：L1850\*W1250\*H1550mm  
 机器重量：250KG  
 台面高度：620mm  
 Sealing speed: 8-12 boxes/min  
 Sealing size(mm): L200-600,W130-500,H130-500  
 Power supply voltage: 220V, power: 400W, air pressure: 6kg/cm<sup>3</sup>, air consumption: 150NL/min  
 Applicable tape width: 48, 60, 70mm (choose one to use)  
 Tape lap: 50-70mm  
 Machine size: L1850\*W1250\*H1550mm  
 Machine weight: 250KG, Table height: 620mm



133

高低压电器元器件/新能源元器件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

134





**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AUTOMATIC PACKAGING EQUIPMENT**  
**CARTONING MACHINE**  
**自动包装设备/装箱机**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动包装设备/装箱机

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic packaging equipment/Cartonning machines

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment  
 whole life cycle management.

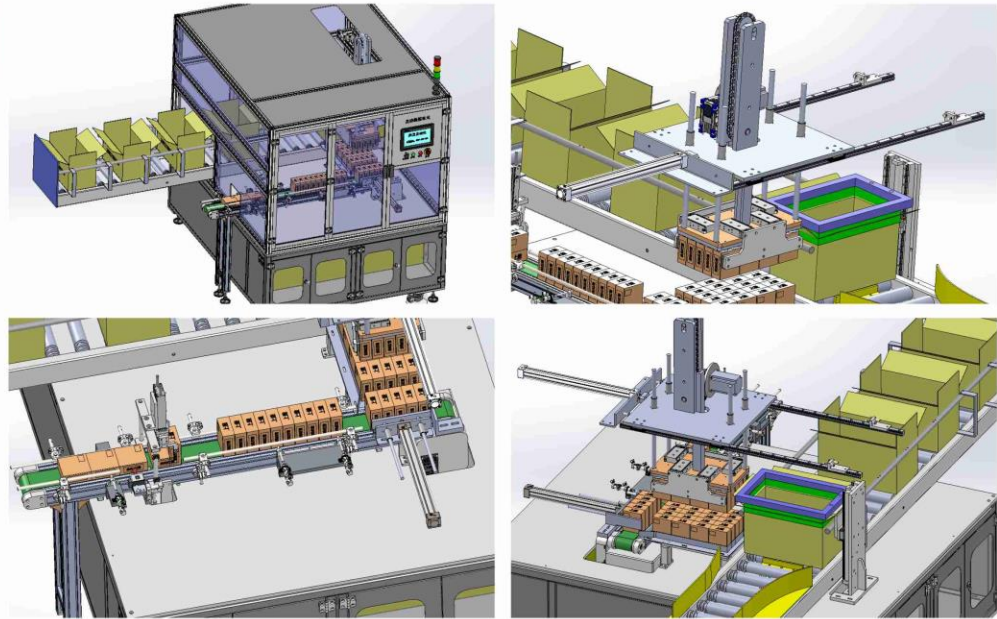
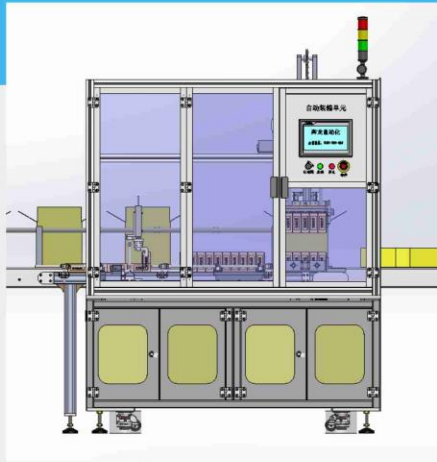
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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动隔料分组、产品装袋、热封塑、小盒成型、产品装入小盒内、小盒贴标签、中盒成型、小盒产品装入中盒内、中盒贴标签、外箱  
 自动成型、中盒产品装入外箱内、外箱自动贴标签、检测、喷码、封透明胶带、捆扎带、90°旋转、下料码垛、缺料报警等工序的在线监测、实  
 时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、  
 智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality, traceability, barcode identification, key components life monitoring, data storage, MES system networking with  
 ERP system, intelligent energy analysis and energy saving management system, intelligent equipment service data platform, etc. traceability, barcode identification, key components  
 life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent  
 equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压380V±10%，50Hz；±1Hz；
  - 2、设备兼容性生产效率：可根据客户要求定做。
  - 3、装配方式：根据产品的不同生产工艺及要求，可以实现产品的自动装配。
  - 4、设备夹具可根据产品型号定做。
  - 5、设备具有故障报警、压力监测等报警显示功能。
  - 6、中文版和英文版两种操作系统。
  - 7、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  - 8、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  - 9、具有独立的自主知识产权。
- 1、Equipment input voltage 380V±10%, 50Hz; ±1Hz;
  - 2、Equipment compatibility and production efficiency: can be customized according to customer requirements.
  - 3、Assembly mode: according to the different production process and requirements of the product, it can realize the automatic assembly of the product.
  - 4、Equipment fixture can be customized according to the product model.
  - 5、Equipment with alarm display function such as fault alarm and pressure monitoring.
  - 6、Two kinds of operating systems, Chinese and English.
  - 7、All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
  - 8、The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  - 9、With independent intellectual property rights.





电能表外置低压断路器自动化装配检测柔性生产线  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

AUTOMATIC PACKAGING EQUIPMENT  
 SEALING MACHINE  
 自动包装设备/封箱机

D

设备名称 EQUIPMENT NAME

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动包装设备/封箱机

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic packaging equipment/ Box Sealing Machines

系统特点 SYSTEM FEATURES

采用多规格混合生产、自动化、信息化、模块化、柔性化、  
 定制化、可视化、一键切换、远程维护设计、预警通知、  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment  
 whole life cycle management.



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137

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator



数字化智能制造装  
 定制解决方案提



设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

具有自动隔料分组、产品装袋、热封塑、小盒成型、产品装入小盒内、小盒贴标签、中盒成型、小盒产品装入中盒内、中盒贴标签、外箱自动成型、中盒产品装入外箱内、外箱自动贴标签、检测、喷码、封透明胶带、捆扎带、90°旋转、下料码垛、缺料报警等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality, traceability, barcode identification, key components life monitoring, data storage, MES system networking with ERP system, intelligent energy analysis and energy saving management system, intelligent equipment service data platform, etc. traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

设备技术参数 EQUIPMENT TECHNICAL PARAMETERS

电源220V/50HZ、功率：0.18Kw；  
 重量：60kg；  
 外形尺寸：1030\*660\*1010（不含前后滚筒架）mm  
 胶带宽度：大刀30mm/70mm、小刀30mm/45mm；  
 纸箱尺寸：最大W600mm\*H500mm、最小W250mm\*H200mm；  
 封箱承重：30kg  
 封箱速度：1000包/小时；  
 人工放料或其他包装设备出口口自动放料，自动封箱。  
 Power supply 220V/50HZ, power: 0.18Kw., Weight: 60kg.  
 Overall dimension: 1030\*660\*1010 (excluding front and rear roller frame) mm  
 Tape width: large knife 30mm/70mm, small knife 30mm/45mm.  
 Carton size: max W600mm\*H500mm, min W250mm\*H200mm;  
 Sealing weight: 30kg  
 Sealing speed: 1000 packages/hour;  
 Manual discharge or automatic discharge from other packaging equipment and automatic sealing.



推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

138





电能表外置低压断路器自动化装配检测柔性生产线  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

AUTOMATIC PACKAGING EQUIPMENT  
 STRAPPING MACHINE  
 自动包装设备/捆扎机

E

设备名称 EQUIPMENT NAME

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 自动包装设备/捆扎机

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Automatic packaging equipment/Strapping machines



系统特点 SYSTEM FEATURES

采用多规格混合生产、自动化、信息化、模块化、柔性化、定制化、可视化、一键切换、远程维护设计、预警通知、评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote maintenance design, early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle management.

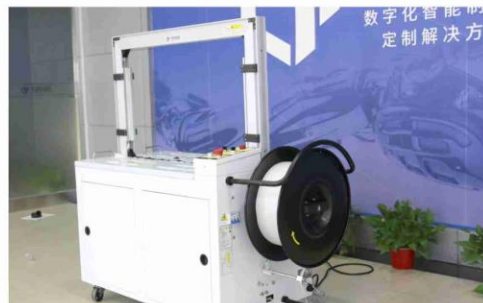
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设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

具有自动隔料分组、产品装袋、热封塑、小盒成型、产品装入小盒内、小盒贴标签、中盒成型、小盒产品装入中盒内、中盒贴标签、外箱自动成型、中盒产品装入外箱内、外箱自动贴标签、检测、喷码、封透明胶带、捆扎带、90°旋转、下料码垛、缺料报警等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality, traceability, barcode identification, key components life monitoring, data storage, MES system networking with ERP system, intelligent energy analysis and energy saving management system, intelligent equipment service data platform, etc. traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

设备技术参数 EQUIPMENT TECHNICAL PARAMETERS

电源：380V 50Hz，功率：1.0kW  
 捆扎速度：≤2.5秒/道  
 工作台面高度：750mm(可根据需要定制)  
 捆扎带规格：宽9-15(±1)mm，厚0.55-1.0(±0.1)mm  
 捆扎规格：最小包装尺寸：宽80mm×高100mm  
 标准框架尺寸：宽800mm×高600mm(可定制)  
 整机尺寸：L1400mm×W628mm×H1418mm；  
 人工放料或其他包装设备出料口自动放料，自动捆扎。

Power supply: 380V 50Hz, power: 1.0kW. Strapping speed: ≤2.5 sec/channel  
 Working table height: 750mm (can be customized according to needs)  
 Strapping specifications: width 9-15(±1)mm, thickness 0.55-1.0(±0.1)mm  
 Strapping specifications: minimum packing size: width 80mm\*height 100mm  
 Standard frame size: width 800mm\*height 600mm (can be customized)  
 Overall machine size: L1400mm\*W628mm\*H1418mm:  
 Manual discharging or automatic discharging from the discharge of other packaging equipment, automatic bundling.



139

高低压电器元器件/新能源元器件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

140





## 电能表外置低压断路器自动化装配检测柔性生产线

Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

## ROBOT PALLETIZING EQUIPMENT 机器人码垛设备



### 设备名称 EQUIPMENT NAME

数字断路器、物联网断路器、AI断路器、微型融合断路器、智慧断路器、万能式微型断路器、5G断路器、智能断路器、机器人码垛设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers, Miniature Fusion Circuit Breakers, Intelligent circuit breaker, universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker Robot palletising equipment

### 系统特点 SYSTEM FEATURES

采用多规格混合生产、自动化、信息化、模块化、柔性化、定制化、可视化、一键切换、远程维护设计、预警通知、评估报告、数据采集与处理、全局检测管理、设备全生命周期管理等。

Adopting multi-specification mixed production, automation, informatization, modularization, flexibility, customization, visualization, one-click switching, remote maintenance design early warning notification, evaluation report, data collection and processing, global inspection management, and equipment whole life cycle management.



### 设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

具有自动隔料分组、产品装袋、热封塑、小盒成型、产品装入小盒内、小盒贴标签、中盒成型、小盒产品装入中盒内、中盒贴标签、外箱自动成型、中盒产品装入外箱内、外箱自动贴标签、检测、喷码、封透明胶带、捆扎带、90°旋转、下料码垛、缺料报警等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality, traceability, barcode identification, key components life monitoring, data storage, MES system networking with ERP system, intelligent energy analysis and energy saving management system, intelligent equipment service data platform, etc. traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

### 设备技术参数 EQUIPMENT TECHNICAL PARAMETERS

- 1、设备输入电压220V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P+模块、2P+模块、3P+模块、4P+模块。
- 3、设备生产节拍：≤10秒/级。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可。
- 5、包装方式：人工包装、自动包装两种可任意选配。
- 6、设备夹具可根据产品型号定做。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。

- 1 · Device input voltage 220V±10%, 50Hz; ±1Hz;
- 2 · Equipment compatible with the number of poles: 1P+ module, 2P+ module, 3P+ module, 4P+ module.
- 3 · Equipment production beat: ≤ 10 seconds / pole.
- 4 · The same shell and frame products, different poles can be switched with one key or sweeping code.
- 5 · Packing method: manual packing and automatic packing can be optional.
- 6 · Equipment fixture can be customized according to the product model.
- 7 · Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 8 · Two kinds of operating systems, Chinese and English.
- 9 · All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 · The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 · With independent intellectual property rights.



141

高低压电器元件/新能源元件自动化生产线系统集成商  
High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级 4.0  
Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

142





**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AGV AUTOMATIC LOGISTICS EQUIPMENT**  
**AGV自动物流设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI 断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 AGV自动物流设备

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 AGV automatic logistics equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



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**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动隔料分组、产品装袋、热封塑、小盒成型、产品装入小盒内、小盒贴标签、中盒成型、小盒产品装入中盒内、中盒贴标签、外箱自动成型、中盒产品装入外箱内、外箱自动贴标签、检测、喷码、封透明胶带、捆扎带、90°旋转、下料码垛、缺料报警等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

It has the functions of online monitoring, real-time monitoring, quality, traceability, barcode identification, key components life monitoring, data storage, MES system networking with ERP system, intelligent energy analysis and energy saving management system, intelligent equipment service data platform, etc. traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V±10%，50Hz；±1Hz；
- 2、设备兼容极数：1P+模块、2P+模块、3P+模块、4P+模块。
- 3、设备生产节拍：≤10秒/级。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可。
- 5、包装方式：人工包装、自动包装两种可任意选配。
- 6、设备夹具可根据产品型号定做。
- 7、设备具有故障报警、压力监测等报警显示功能。
- 8、中文版和英文版两种操作系统。
- 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
- 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
- 11、具有独立的自主知识产权。

- 1 - Device input voltage 220V±10%, 50Hz; ±1Hz;
- 2 - Equipment compatible with the number of poles: 1P+ module, 2P+ module, 3P+ module, 4P+ module.
- 3 - Equipment production beat: ≤ 10 seconds / pole.
- 4 - The same shell and frame products, different poles can be switched with one key or sweeping code.
- 5 - Packing method: manual packing and automatic packing can be optional.
- 6 - Equipment fixture can be customized according to the product model.
- 7 - Equipment with fault alarm, pressure monitoring and other alarm display functions.
- 8 - Two kinds of operating systems, Chinese and English.
- 9 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
- 10 - The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
- 11 - With independent independent intellectual property rights.





**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**AGV AUTOMATIC LOGISTICS EQUIPMENT**  
**AGV自动物流设备**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 AGV自动物流设备  
 Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 AGV automatic logistics equipment

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。  
 Adopting multi-specification mixed production, automation, informatization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



B款 paragraph

A款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动隔料分组、产品装袋、热封塑、小盒成型、产品装入小盒内、小盒贴标签、中盒成型、小盒产品装入中盒内、中盒贴标签、外箱自动成型、中盒产品装入外箱内、外箱自动贴标签、检测、喷码、封透明胶带、捆扎带、90°旋转、下料码垛、缺料报警等工序的在线监测、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online monitoring, real-time monitoring, quality, traceability, barcode identification, key components life monitoring, data storage, MES system networking with ERP system, intelligent energy analysis and energy saving management system, intelligent equipment service data platform, etc. traceability, barcode identification, key components life monitoring, data storage, MES system and ERP system networking, parameters arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment services big data cloud platform and other functions.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V±10%，50Hz；±1Hz；
  - 2、设备兼容极数：1P+模块、2P+模块、3P+模块、4P+模块。
  - 3、设备生产节拍：≤10秒/级。
  - 4、同一壳架产品，不同极数可以一键切换或扫码切换均可。
  - 5、包装方式：人工包装、自动包装两种可任意选配。
  - 6、设备夹具可根据产品型号定做。
  - 7、设备具有故障报警、压力监测等报警显示功能。
  - 8、中文版和英文版两种操作系统。
  - 9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  - 10、设备可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  - 11、具有独立的自主知识产权。
- 1 · Device input voltage 220V±10%, 50Hz; ±1Hz;
  - 2 · Equipment compatible with the number of poles: 1P+ module, 2P+ module, 3P+ module, 4P+ module.
  - 3 · Equipment production beat: ≤ 10 seconds / pole.
  - 4 · The same shell and frame products, different poles can be switched with one key or sweeping code.
  - 5 · Packing method: manual packing and automatic packing can be optional.
  - 6 · Equipment fixture can be customized according to the product model.
  - 7 · Equipment with fault alarm, pressure monitoring and other alarm display functions.
  - 8 · Two kinds of operating systems, Chinese and English.
  - 9 · All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
  - 10 · The equipment can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".
  - 11 · With independent intellectual property rights.





**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**MES INTELLIGENT MANUFACTURING  
 PRODUCTION PROCESS  
 EXECUTION SYSTEM**  
**MES智能制造生产过程执行系统**

A

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 MES智能制造生产过程执行系统

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 MES Intelligent Manufacturing Production Process Execution System

**系统特点 SYSTEM FEATURES**

采用多规格混合生产、自动化、信息化、模块化、柔性化  
 定制化、可视化、一键切换、远程维护设计、预警通知  
 评估报告、数据采集与处理、全局检测管理、设备全生命  
 周期管理等。

Adopting multi-specification mixed production, automation, informationization,  
 modularization, flexibility, customization, visualization, one-click switching,  
 remote maintenance design early warning notification, evaluation report,  
 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



A款 paragraph

B款 paragraph

C款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动化生产线所有工序的在线数据监测、设备在线状态、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、与ERP或SAP系统联网通讯对接、参数任意配方、远程维护、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
 It has the functions of online data monitoring of all processes of automatic production line, online status of equipment, real-time monitoring, quality traceability, barcode identification, key components life monitoring, data storage, networking communication docking with ERP or SAP system, arbitrary recipe of parameters, remote maintenance, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud platform, etc.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、设备输入电压220V±10%，50Hz；±1Hz
  - 2、系统可与ERP或SAP系统联网通讯对接，客户可选配。
  - 3、系统可根据需方要求定做。
  - 4、系统具有双硬盘自动备份、数据打印功能。
  - 5、中文版和英文版两种操作系统。
  - 6、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  - 7、系统可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
  - 8、具有独立的自主知识产权。
- 1 - Device input voltage 220V±10%, 50Hz; ±1Hz  
 2 - System can be connected with ERP or SAP system network communication docking, customer can choose.  
 3 - System can be customized according to the requirements of the demand side.  
 4 - The system has double hard disk automatic backup and data printing function.  
 5 - Two kinds of operating systems, Chinese and English.  
 6 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.  
 7 - The system can be equipped with optional functions such as "intelligent energy analysis and energy saving management system" and "intelligent equipment service big data cloud platform".  
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**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**MES INTELLIGENT MANUFACTURING  
 PRODUCTION PROCESS  
 EXECUTION SYSTEM**  
**MES智能制造生产过程执行系统**

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 MES智能制造生产过程执行系统

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 remote maintenance design early warning notification, evaluation report,  
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 and equipment whole life cycle management.



A款 paragraph

B款 paragraph

C款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动化生产线所有工序的在线数据监测、设备在线状态、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、与ERP或SAP系统联网通讯对接、参数任意配方、远程维护、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
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**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**MES INTELLIGENT MANUFACTURING  
 PRODUCTION PROCESS  
 EXECUTION SYSTEM**  
**MES智能制造生产过程执行系统**

B

**设备名称 EQUIPMENT NAME**

数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 MES智能制造生产过程执行系统

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 MES Intelligent Manufacturing Production Process Execution System

**系统特点 SYSTEM FEATURES**

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 data collection and processing, global inspection management,  
 and equipment whole life cycle management.



A款 paragraph

B款 paragraph

C款 paragraph



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

具有自动化生产线所有工序的在线数据监测、设备在线状态、实时监控、质量溯源、条码识别、关键元器件寿命监测、数据存储、与ERP或SAP系统联网通讯对接、参数任意配方、远程维护、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。  
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  - 7、系统可选配《智慧能源分析与节能管理系统》和《智能装备服务大数据云平台》等功能。
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149

高低压电器元件/新能源元件自动化生产线系统集成商  
 High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0  
 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

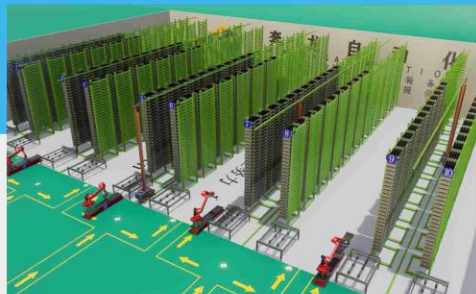
150





**电能表外置低压断路器自动化装配检测柔性生产线**  
 Electricity meter external low-voltage circuit breaker automatic assembly and testing flexible production line

**INTELLIGENT WAREHOUSING**  
**智能仓储**



**设备名称 EQUIPMENT NAME**

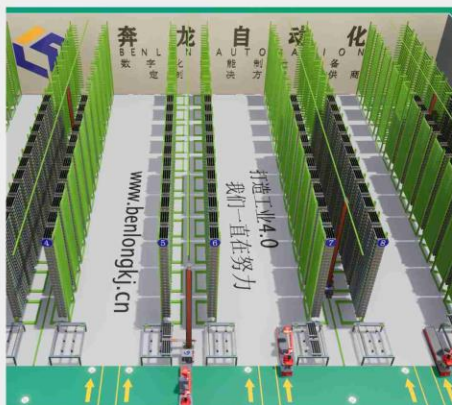
数字断路器、物联网断路器、AI断路器、微型融合断路器  
 智慧断路器、万能式微型断路器、5G断路器、智能断路器  
 智能仓储

Digital Circuit Breakers, IoT Circuit Breakers, AI Circuit Breakers,  
 Miniature Fusion Circuit Breakers, Intelligent circuit breaker,  
 universal miniature circuit breaker, 5G circuit breaker, smart circuit breaker  
 Intelligent warehousing

**系统特点 SYSTEM FEATURES**

采用自动化、信息化、智能化等生产物流、从原辅料到成品之间所有物料的配送、分拣、检测、包装、搬运、输送、取货、盘点、贴标、存储与制造信息化管理。

Automation, information technology, intelligent production logistics, distribution, sorting, testing, packaging, handling, conveying, pick-up, inventory, labeling, storage and manufacturing information management of all materials from raw and auxiliary materials to finished products.



**设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION**

WMS制造业仓储管理系统，适用于生产制造业仓储精细化管理。多仓管理、智能盘点、策略规则、绩效管理 etc 软件模块搭配PDA、RFID、AGV、机器人等智能硬件，全面助力制造业仓储数字化升级。WCS仓储控制系统介于WMS系统和智能硬件系统之间，可以协调各种物流设备之间的运行，为上层系统的调度指令提供执行保障和优化，实现对各种设备系统接口的集成、统一调度和监控。

WMS manufacturing warehouse management system, applicable to the production of manufacturing warehousing refinement management. Multi-bin management, intelligent inventory, strategy rules, performance management and other software modules with PDA, RFID, AGV, robots and other intelligent hardware, comprehensive help manufacturing warehousing digital upgrade. WCS warehouse control system is between WMS system and intelligent hardware system, which can coordinate the operation between various logistics equipment, provide execution guarantee and optimization for the scheduling instructions of the upper system, and realize the integration, unified scheduling and monitoring of various equipment system interfaces.

**设备技术参数 EQUIPMENT TECHNICAL PARAMETERS**

- 1、系统可与ERP或SAP系统联网通讯对接，客户可选配。
  - 2、系统可根据需求方要求定做。
  - 3、系统具有双硬盘自动备份、数据打印功能。
  - 4、中文版和英文版两种操作系统。
  - 5、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
  - 6、货架高度可达30米甚至更高，减少土地占用面积
  - 7、自动无人化作业，降低人力成本
  - 8、与ERP系统可实现数据无缝对接与实时智能的生产调度
  - 9、消灭仓库内的混乱状况，降低管理难度
  - 10、显著提高货物存取及运送的作业效率
- 1 - The system can be connected with ERP or SAP system network communication docking, which is optional for customers.
  - 2 - System can be customized according to the requirements of the demand side.
  - 3 - The system has double hard disk automatic backup and data printing function.
  - 4 - Two kinds of operating systems, Chinese and English.
  - 5 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
  - 6 - The height of the shelves can reach 30 meters or even higher, reducing the land occupation area
  - 7 - Automatic unmanned operation, reduce labor cost
  - 8 - Seamless data connection with ERP system and real-time intelligent production scheduling
  - 9 - Eliminate the chaotic situation in the warehouse and reduce the management difficulty
  - 10 - Significantly improve the operational efficiency of goods access and delivery





致力于成为全球智能装备供应商  
Committed to becoming a global supplier  
of intelligent equipment



## EXQUISITE PACKAGING

### » 精致包装

木箱包装就是用木质包装容器将要保护的物品包装起来，木箱包装最初是为了方便运输仓储而产生的一个包装产物，对于一些在运输和仓储时容易损坏的物品用木质包装容器进行加固，从而起到一个保护作用。

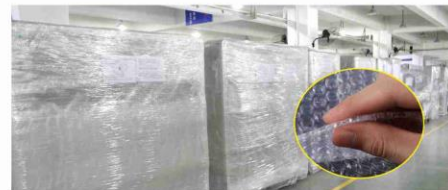
Wooden box packaging is the use of wooden packaging containers to protect the goods packaged, wooden box packaging is initially for the convenience of transport and storage and a packaging product, for some in the transport and storage of easily damaged items with wooden packaging containers for reinforcement, so as to play a protective role.



多层保护膜包裹  
Multi-layer protective  
film wrapping



空气泡沫包装容器  
Air foam packaging  
containers



实木木箱定制包装  
Solid wood crates custom  
packaging



叉车装车发货  
Forklift truck loading  
and delivery





# OUR CLIENTS

## Top 500 Corporate Clients



## Selected Brand Customers



# Co-operative Company 1200+

Some brands (in no particular order)

