



机器人应用专用设备

SPECIAL EQUIPMENT FOR ROBOT APPLICATIONS



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". Benlong 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

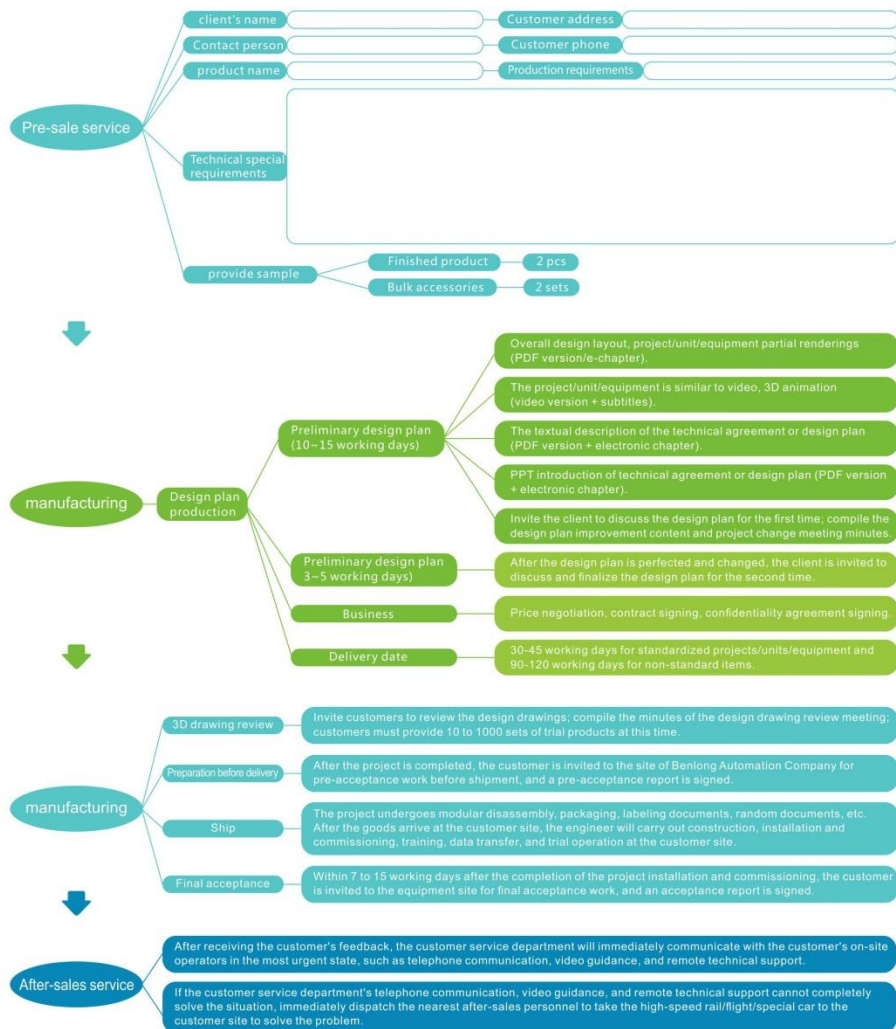
奔龙自动化官方网站上传设备日常维修、易损件更换过程的视频及资料。
The official website of Benlong Automation uploads videos and information on the daily maintenance of the equipment and the replacement process of wearing parts.



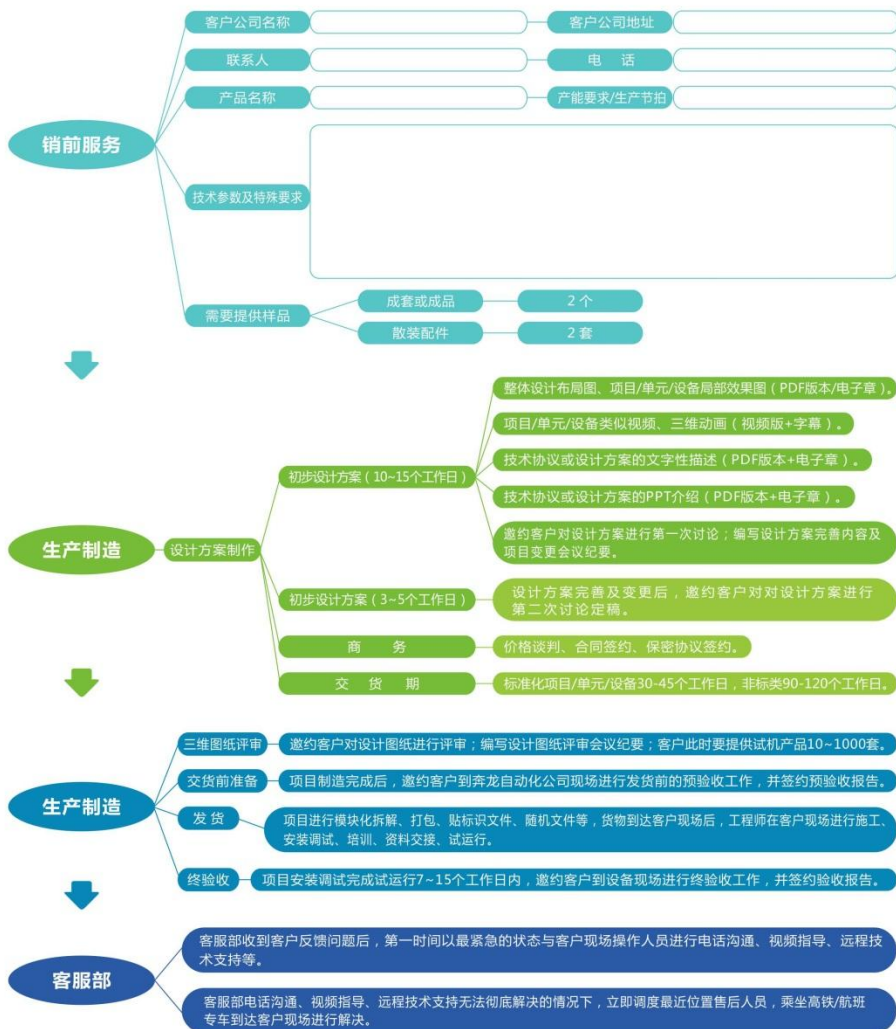
技术服务与支持 TECHNICAL SERVICE AND SUPPORT

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: familiarity 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



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Robot+Automatic Laser Marking Equipment A/B/C



浪涌保护器机器人上料/下料单元
Robot loading/unloading cell for surge protectors



浪涌保护器机器人自动装配模块单元
Automatic assembly module cell for surge protector robot



光伏直流隔离开关机器人自动上料/下料单元
Robot loading/unloading cell for photovoltaic DC disconnect switches



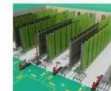
电表自动化装配检测柔性生产线
Flexible production line for automated assembly and testing of energy meters



新能源光伏连接器自动装配设备
New energy photovoltaic connector automatic assembly equipment



智能仓储
Intelligent Warehousing



AGV智能搬运机器人
AGV Intelligent Handling Robot



机器人码垛设备
Robot Palletizing Equipment



立式注塑机电极自动上下料设备
Vertical injection molding machine electrode automatic loading and unloading equipment



卧式注塑机工件自动上下料设备
Horizontal injection molding machine insert automatic loading and unloading equipment



注塑机械手(伺服机械手)A/B/C/D
Injection molding robot (servo robot)A/B/C/D



机器人应用专用设备
 Special equipment for robot applications

机器人+自动延时检测设备
 Robot + automatic time-delay inspection 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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



-  自动化
Automation
-  信息化
Informatization
-  模块化
Modularity
-  可视化
Visualization
-  定制化
Customization
-  柔性化
Flexibility
-  云计算
Cloud Computing
-  一键切换
One Click Switch
-  远程维护
Remote Maintenance
-  预警通知
Early Warning Notice
-  评估报告
Evaluation Report
-  数据采集
Data Acquisition

A款 paragraph



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/板、1.2秒/板、1.5秒/板、2秒/板、3秒/板、4秒/板；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.
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 - 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



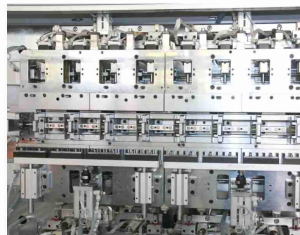
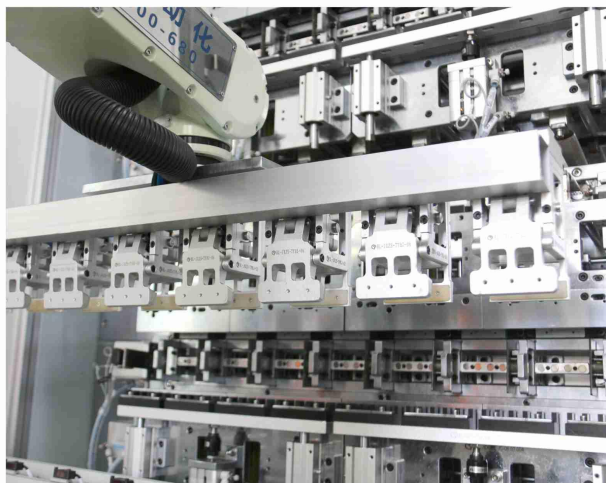
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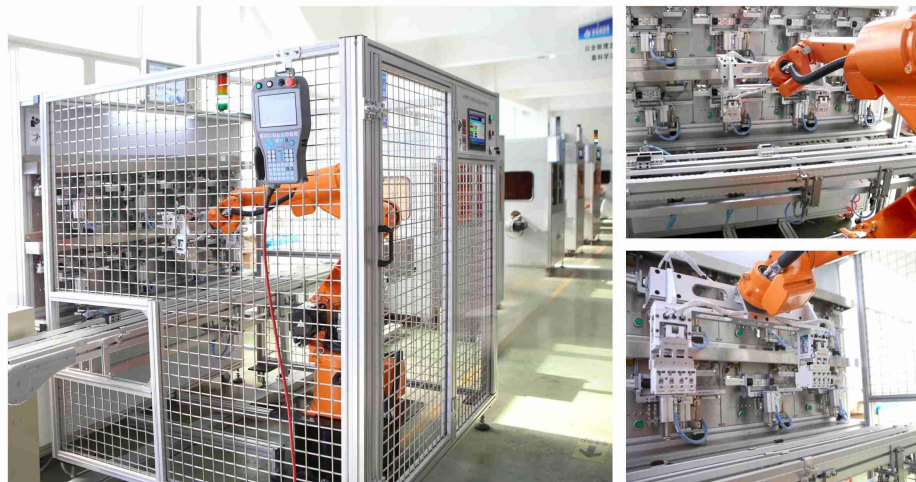
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- 自动化 Automation
- 信息化 Informatization
- 模块化 Modularity
- 可视化 Visualization
- 定制化 Customization
- 柔性化 Flexibility
- 云计算 Cloud Computing
- 一键切换 One Click Switch
- 远程维护 Remote Maintenance
- 预警通知 Early Warning Notice
- 评估报告 Evaluation Report
- 数据采集 Data Acquisition

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 - 检测电流、时间、转速、温度系数、冷却时间等参数可任意设定。
 - 设备具有故障报警、压力监测等报警显示功能。
 - 中文版和英文版两种操作系统。
 - 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。
 - 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。
 - 具有独立的自主知识产权。
-
- Device input voltage 220V/380V±10%, 50Hz; ±1Hz;
 - Equipment compatible poles: 1P, 2P, 3P, 4P, 1P+module, 2P+module, 3P+module, 4P+module
 - Equipment production beat: 1sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole, 4sec/pole; six different specifications of equipment.
 - 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.
 - The number of testing fixture is the integer multiple of 8, and the fixture size can be customized according to the product model.
 - Detection current, time, speed, temperature coefficient, cooling time and other parameters can be set arbitrarily.
 - The equipment has alarm display function such as fault alarm and pressure monitoring.
 - Two kinds of operating systems, Chinese and English.
 - All core parts are imported from different countries and regions such as Italy, Sweden, Germany, Japan, USA, Taiwan, etc.
 - 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".
 - With independent intellectual property rights.

A款 paragraph



B款 paragraph



C款 paragraph



D款 paragraph



E款 paragraph



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



机器人应用专用设备

Special equipment for robot applications

机器人+自动延时检测设备

Robot + automatic time-delay inspection 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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



D

- 自动化 Automation
- 信息化 Informatization
- 模块化 Modularity
- 可视化 Visualization
- 定制化 Customization
- 柔性化 Flexibility
- 云计算 Cloud Computing
- 一键切换 One Click Switch
- 远程维护 Remote Maintenance
- 预警通知 Early Warning Notice
- 评估报告 Evaluation Report
- 数据采集 Data Acquisition

A款 paragraph



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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 - 11、 With independent intellectual property rights.



机器人应用专用设备
 Special equipment for robot applications

机器人+自动延时检测设备
 Robot + automatic time-delay inspection equipment

E

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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



- 
自动化
Automation
- 
信息化
Informatization
- 
模块化
Modularity
- 
可视化
Visualization
- 
定制化
Customization
- 
柔性化
Flexibility
- 
云计算
Cloud Computing
- 
一键切换
One Click Switch
- 
远程维护
Remote Maintenance
- 
预警通知
Early Warning Notice
- 
评估报告
Evaluation Report
- 
数据采集
Data Acquisition

A款 paragraph



B款 paragraph



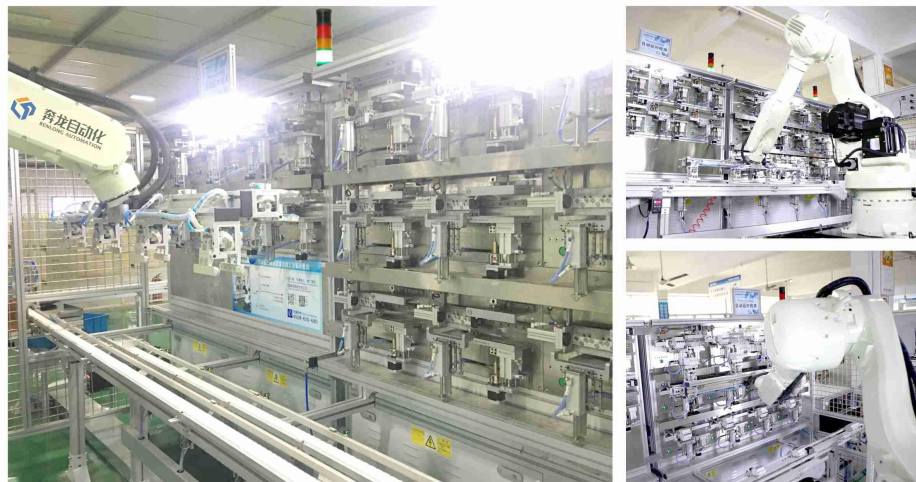
C款 paragraph



D款 paragraph



E款 paragraph



设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

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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/板、1.2秒/板、1.5秒/板、2秒/板、3秒/板、4秒/板；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.



机器人应用专用设备
 Special equipment for robot applications

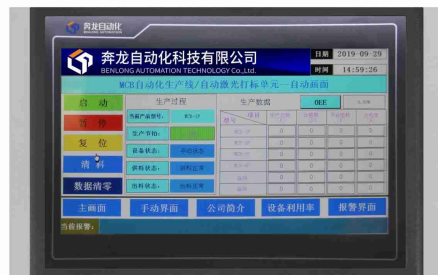
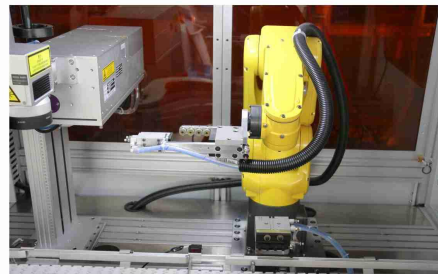
机器人+自动激光打标设备
 Robot + automatic laser marking equipment

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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.

-  自动化
Automation
-  信息化
Informatization
-  模块化
Modularity
-  可视化
Visualization
-  定制化
Customization
-  柔性化
Flexibility
-  云计算
Cloud Computing
-  一键切换
One Click Switch
-  远程维护
Remote Maintenance
-  预警通知
Early Warning Notice
-  评估报告
Evaluation Report
-  数据采集
Data Acquisition



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: 1.5sec/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



011

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

012



机器人应用专用设备
Special equipment for robot applications

机器人+自动激光打标设备
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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



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: 1.5sec/pole, 1.2sec/pole, 1.5sec/pole, 2sec/pole, 3sec/pole; five different specifications of equipment.
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- 6 - Laser parameters can be pre-saved in the control system, automatically retrieve the marking; marking content can be edited at will.
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- 8 - The equipment has alarm display function such as fault alarm and pressure monitoring.
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- 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.

A款 paragraph

B款 paragraph

C款 paragraph



机器人应用专用设备

Special equipment for robot applications

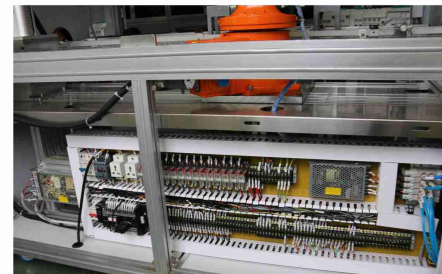
机器人+自动激光打标设备

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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



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、参数任意配置、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/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。
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- 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: 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



机器人应用专用设备

Special equipment for robot applications

浪涌保护机器人上料/下料单元 Surge Protector Robot Loader Unloader Cells

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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

具有自动供料、装配、锁螺丝、锡焊、拉拔力检测、通断检测、浪涌冲击检测、耐高压检测、装卡扣、移印、激光、包装、码垛、AGV物流、缺料报警等工序的装配、在线检测、实时监控、质量溯源、条码识别、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。

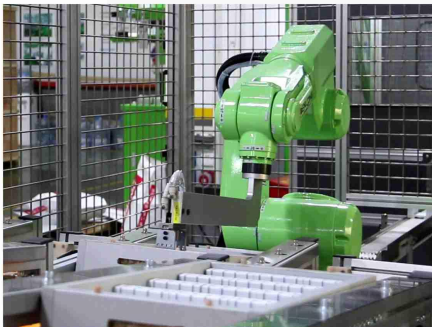
It has the functions of automatic material supply, assembly, screw locking, soldering, pulling force detection, through-break detection, surge impact detection, high-voltage resistance detection, mounting snap, pad printing, laser, packaging, palletizing, AGV logistics, lack of material alarm and other processes such as assembly, online testing, real-time monitoring, quality traceability, barcode identification, component life monitoring, data storage, networking of the MES system with the ERP system, parameter arbitrary formula, intelligent equipment service cloud platform and other functions, 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：壹种系列产品的2极、3极、4极或根据客户要求定制。
3. 设备生产节拍：5秒/台、10秒/台两种可任意选配。
4. 同一壳架产品，不同极数可以一键切换或扫码切换均可；切换不同壳架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. equipment input voltage: 380V ± 10%, 50Hz; ± 1Hz;
2. equipment compatibility: a series of products 2 pole, 3 pole, 4 pole or customized according to customer requirements.
3. equipment production beat: 5 seconds / Taiwan, 10 seconds / Taiwan, two optional.
4. the same shell frame products, different poles can be a key to switch or scanning code can be switched; switching between different shell frame products need to manually replace the mold or fixture.
5. Assembly mode: manual assembly, automatic assembly 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 function.
8. Chinese and English version of the two operating systems.
9. All core parts are imported from Italy, Sweden, Germany, Japan, the United States, Taiwan and other countries and regions.
10. 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. It has independent intellectual property rights.



机器人应用专用设备
 Special equipment for robot applications

浪涌保护器机器人自动装配模块单元
 Robotic automated assembly of modular cells for surge protectors

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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

具有自动供料、装配、锁螺丝、锡焊、拉拔力检测、通断检测、浪涌冲击检测、耐高压检测、装卡扣、移印、激光、包装、码垛、AGV物流、缺料报警等工序的装配、在线检测、实时监控、质量溯源、条码识别、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 automatic material supply, assembly, screw locking, soldering, pulling force detection, through-break detection, surge impact detection, high-voltage resistance detection, mounting snap, pad printing, laser, packaging, palletizing, AGV logistics, lack of material alarm and other processes such as assembly, online testing, real-time monitoring, quality traceability, barcode identification, component life monitoring, data storage, networking of the MES system with the ERP system, parameter arbitrary formula, intelligent equipment service cloud platform and other functions, 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：壹种系列产品的2极、3极、4极或根据客户要求定制。
- 3、设备生产节拍：5秒/台、10秒/台两种可任意选配。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；切换不同壳架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 - equipment input voltage: 380V ± 10%, 50Hz; ± 1Hz;
- 2 - equipment compatibility: a series of products 2 pole, 3 pole, 4 pole or customized according to customer requirements.
- 3 - equipment production beat: 5 seconds / Taiwan, 10 seconds / Taiwan, two optional.
- 4 - the same shell frame products, different poles can be a key to switch or scanning code can be switched; switching between different shell frame products need to manually replace the mold or fixture.
- 5 - Assembly mode: manual assembly, automatic assembly 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 function.
- 8 - Chinese and English version of the two operating systems.
- 9 - All core parts are imported from Italy, Sweden, Germany, Japan, the United States, Taiwan and other countries and regions.
- 10 - 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 - It has independent independent intellectual property rights.



机器人应用专用设备

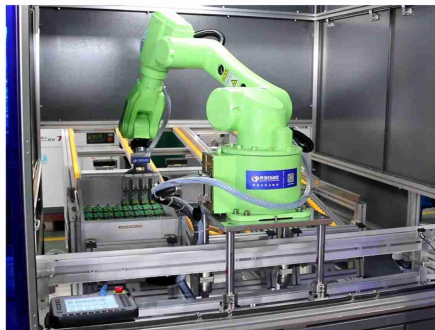
Special equipment for robot applications

光伏直流隔离开关机器人自动上料/下料单元 Photovoltaic DC isolation switch robot automatic loading/unloading unit

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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

具有自动供料、CCD检测、底座、塑料件、密封圈、塑料螺母、O型密封圈、插头等零件的自动组合装配、自动检测、自动下料、不良品区分、计数、装袋、包装、机器人码垛、AGV物流等工序的装配、气密性值任意设定、在线监测、实时监控、质量溯源、条码识别、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 material supply, CCD detection, base, plastic parts, seals, plastic nuts, O-ring seals, plugs and other parts of the automatic combination of assembly, automatic detection, automatic feeding, distinction of defective products, counting, bagging, packaging, robot palletizing, AGV logistics and other processes of assembly, gas tightness value arbitrary setting, online monitoring, real-time monitoring, quality traceability, bar code identification, component life monitoring, data storage, MES system and ERP system networking, parameters arbitrary recipe, 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 $380V \pm 10\%$, $50Hz$; $\pm 1Hz$;
2. 设备兼容：一种规格产品。
3. 设备生产节拍：5秒/个。
4. 同一壳架产品，不同型号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. 装配方式：人工补料、自动装配、自动检测、自动下料。
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 $380V \pm 10\%$, $50Hz$; $\pm 1Hz$;
2. Equipment compatibility: one kind of specification products.
3. Equipment production beat: 5 seconds/pc.
4. The same shell frame product, different models can be switched with one key or sweeping code switching are available; different shell frame products need manual replacement of molds or fixtures.
5. Assembly mode: manual replenishment, automatic assembly, automatic detection, automatic discharging.
6. The equipment has alarm display function such as fault alarm and pressure monitoring.
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.



机器人应用专用设备
 Special equipment for robot applications

电表自动化装配检测柔性生产线
 Flexible production line for automated
 assembly and testing of energy meters

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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

具有产品自动上料底座、装配导电柱、装配线路板、锡焊、锁螺丝、装配密封圈、装配玻璃罩、装配外圈、锁螺丝、特性检测、日计时检测、误差校准、耐压检测、全屏检测、特性综合检测、激光刻标、自动贴标、载波检测、红外功能检测、蓝牙通讯检测、复检检测、装配铭牌、扫码资产信息数据对比、合格不合格区分、包装、码垛、AGV物流、废料报警等工序的装配、在线检测、实时监控、质量溯源、条码识别、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。

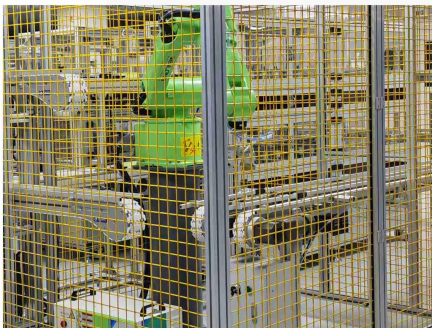
With automatic product loading base, assembly of conductive columns, assembly of circuit boards, soldering, locking screws, assembly of seals, assembly of glass cover, assembly of the outer ring, locking screws, characterization testing, day-timing testing, error calibration, voltage testing, full-screen testing, comprehensive testing of the characteristics of the laser engraving, auto-labeling, carrier testing, infrared function testing, Bluetooth communication testing, recalibration testing, assembly of nameplates, scanning code asset information, data comparison, qualified and unqualified distinction, packaging, palletizing, AGV logistics, lack of material alarms and other processes of assembly, online testing, real-time monitoring, quality traceability, barcode identification, component life monitoring, data storage, MES system and ERP system networking, parameters of any recipe, 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：国网/南网、单相电表系列、三相电表系列。
- 3、设备生产节拍：30秒/台，且可以根据客户要求定制。
- 4、同一壳架产品，不同极数可以一键切换或扫码切换均可；切换不同壳架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. equipment input voltage: 380V ± 10%, 50Hz; ± 1Hz;
2. Equipment compatibility: State Grid/South Grid, single-phase energy meter series, three-phase energy meter series.
3. equipment production beat: 30 seconds / unit, and can be customized according to customer requirements.
4. the same shell frame products, different poles can be switched by one key or sweep code switching; switching different shell frame products need to manually replace the mold or fixture.
5. Assembly mode: manual assembly, automatic assembly 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 function.
8. Chinese and English version of the two operating systems.
9. All core parts are imported from Italy, Sweden, Germany, Japan, the United States, Taiwan and other countries and regions.
10. 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. It has independent independent intellectual property rights.



机器人应用专用设备

Special equipment for robot applications

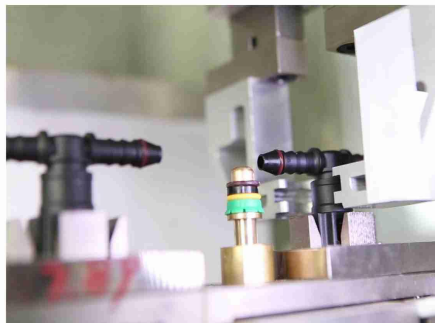
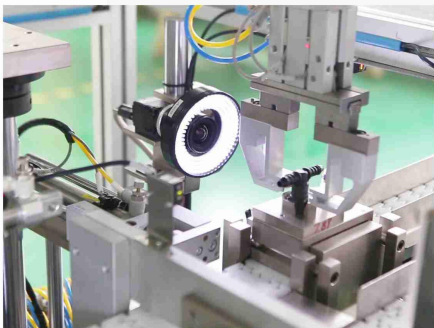
新能源光伏连接器自动装配设备

New energy photovoltaic connector 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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

具有自动供料、CCD检测、底座、塑料件、密封胶、塑料螺母、O型密封圈、插头等零件的自动组合装配、自动检测、自动下料、不良品区分、计数、装袋、包装、机器人码垛、AGV物流等工序的装配、气密性值任意设定、在线监测、实时监控、质量溯源、条码识别、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 material supply, CCD detection, base, plastic parts, seals, plastic nuts, O-ring seals, plugs and other parts of the automatic combination of assembly, automatic detection, automatic feeding, distinction of defective products, counting, bagging, packaging, robot palletizing, AGV logistics and other processes of assembly, gas tightness value arbitrary setting, online monitoring, real-time monitoring, quality traceability, bar code identification, component life monitoring, data storage, MES system and ERP system networking, parameters arbitrary recipe, 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 $380V \pm 10\%$, 50Hz; $\pm 1Hz$;
2. 设备兼容: 一种规格产品。
3. 设备生产节拍: 5秒/个。
4. 同一壳架产品, 不同型号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. 装配方式: 人工补料、自动装配、自动检测、自动下料。
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 $380V \pm 10\%$, 50Hz; $\pm 1Hz$;
2. Equipment compatibility: one kind of specification products.
3. Equipment production beat: 5 seconds/pc.
4. The same shell frame product, different models can be switched with one key or sweeping code switching are available; different shell frame products need manual replacement of molds or fixtures.
5. Assembly mode: manual replenishment, automatic assembly, automatic detection, automatic discharging.
6. The equipment has alarm display function such as fault alarm and pressure monitoring.
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.



机器人应用专用设备
 Special equipment for robot applications

注塑机械手(伺服机械手)
 Injection molding robot (servo robot)

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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.

- 
自动化
Automation
- 
信息化
Informatization
- 
模块化
Modularity
- 
可视化
Visualization
- 
定制化
Customization
- 
柔性化
Flexibility
- 
云计算
Cloud Computing
- 
一键切换
One Click Switch
- 
远程维护
Remote Maintenance
- 
预警通知
Early Warning Notice
- 
评估报告
Evaluation Report
- 
数据采集
Data Acquisition



二轴(机械手)
2 axle (Robotic)



三轴(机械手)
3 axle (Robotic)



五轴(机械手)
5 axle (Robotic)



大型牛头(机械手)
Maximum axis (Robotic)

设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

具有自动托盘供料、装配、检测、不良品区分、包装、码垛、AGV物流、缺料报警等工序的装配、在线检测、实时监控、质量溯源、条码识别、元器件寿命监测、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 pallet feeding, assembly, testing, defective product differentiation, packaging, palletizing, AGV logistics, shortage alarm and other processes of assembly, online testing, real-time monitoring, quality traceability, barcode identification, component life monitoring, data storage, MES system and ERP system networking, parameters arbitrary recipe, 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 $380V \pm 10\%$, 50Hz; $\pm 1\text{Hz}$;
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 $380V \pm 10\%$, 50Hz; $\pm 1\text{Hz}$;
- 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 independent intellectual property rights.



机器人应用专用设备

Special equipment for robot applications

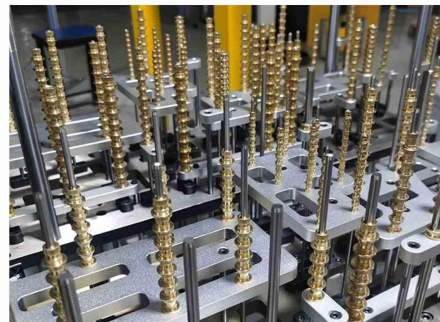
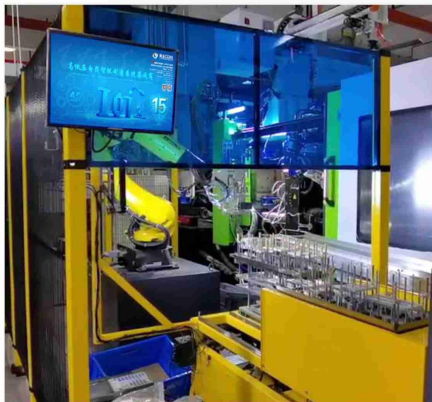
卧式注塑机镶件自动上下料设备

Horizontal injection molding machine inserts automatic loading and unloading 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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

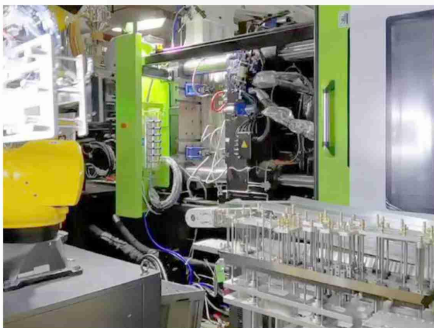
具有自动托盘供料、装配、检测、不良品区分、包装、码垛、AGV物流、缺料报警等工序的装配、在线检测、实时监控、质量溯源、条码识别、元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic pallet feeding, assembly, inspection, defective product differentiation, packaging, palletizing, AGV logistics, out-of-materials reporting assembly, online inspection, real-time monitoring, quality traceability, barcode identification, component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management, data storage, MES system and ERP system networking, parameter arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud 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 $380V \pm 10\%$, $50Hz$; $\pm 1Hz$;
- 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.



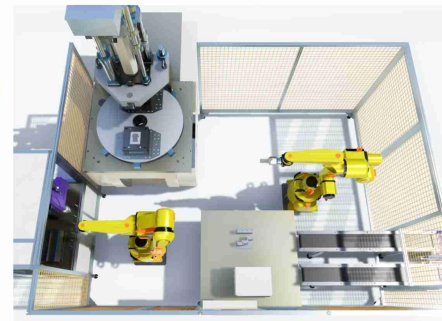
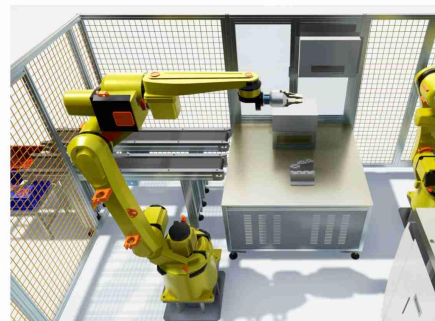
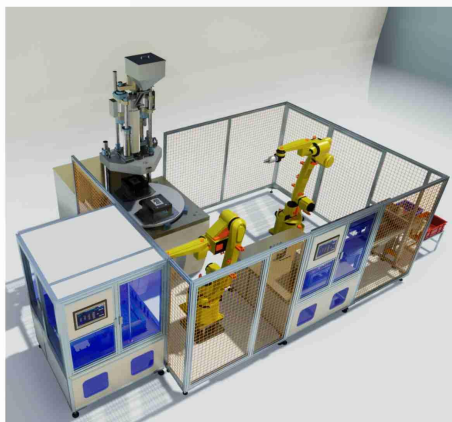
机器人应用专用设备
 Special equipment for robot applications

立式注塑机电极自动上下料设备
 Vertical injection molding machine electrode
 automatic loading and unloading 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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

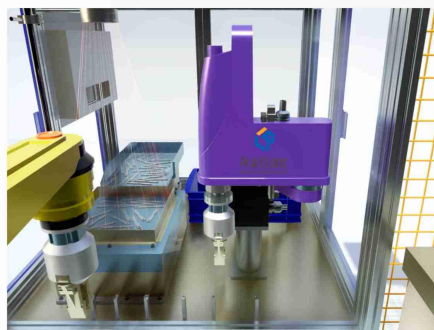
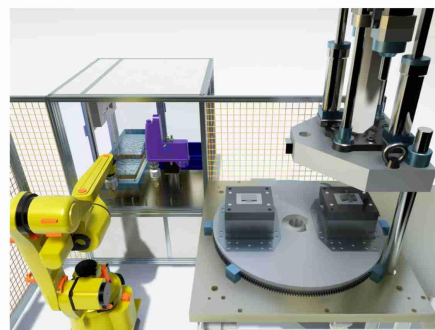
具有自动托盘供料、装配、检测、不良品区分、包装、码垛、AGV物流、缺料报警等工序的装配、在线检测、实时监控、质量溯源、条码识别、元器件寿命监测、数据存储、MES系统与ERP系统联网、参数任意配方、智慧能源分析与节能管理系统、智能装备服务大数据云平台等功能。

With automatic pallet feeding, assembly, inspection, defective product differentiation, packaging, palletizing, AGV logistics, out-of-materials reporting assembly, online inspection, real-time monitoring, quality traceability, barcode identification, component life monitoring, data storage, MES system networking with ERP system, parameter arbitrary recipe, intelligent energy analysis and energy saving management, data storage, MES system and ERP system networking, parameter arbitrary formula, intelligent energy analysis and energy saving management system, intelligent equipment service big data cloud 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、设备兼容性及生产效率：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.



机器人应用专用设备

Special equipment for robot applications

机器人码垛设备

Robot palletizing 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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



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 $220V \pm 10\%$ ，50Hz； $\pm 1Hz$ ；
- 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。
- 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 $220V \pm 10\%$, 50Hz; $\pm 1Hz$;
- 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.
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机器人应用专用设备
Special equipment for robot applications

AGV智能搬运机器人
AGV Intelligent Handling Robot

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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.



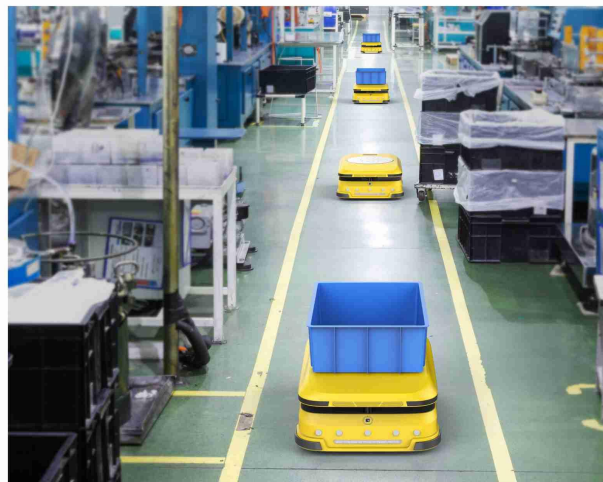
A



A 款 paragraph



B 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/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。
- 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.
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- 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.
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机器人应用专用设备

Special equipment for robot applications

AGV智能搬运机器人

AGV Intelligent Handling Robot

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。

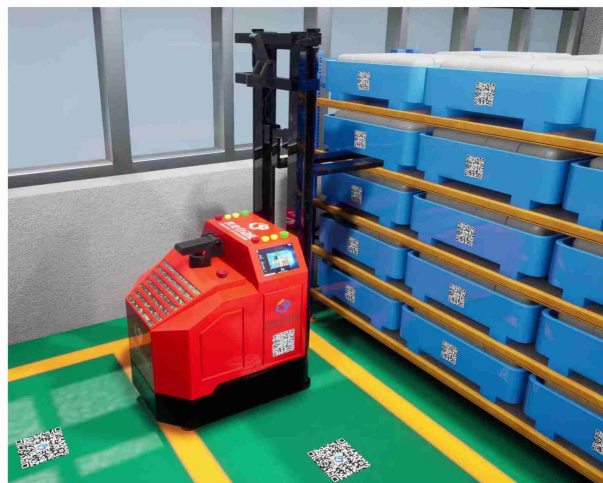
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B款 paragraph



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。

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设备技术参数 EQUIPMENT TECHNICAL PARAMETERS

- 1、设备输入电压220V±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。
- 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。
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机器人应用专用设备
 Special equipment for robot applications

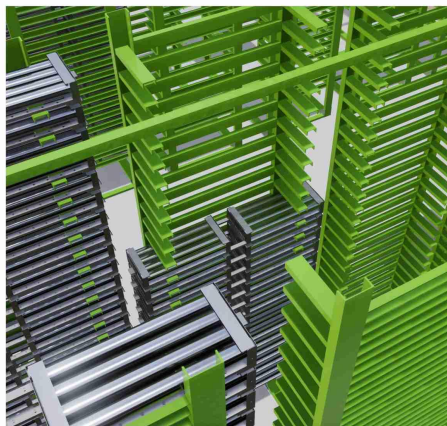
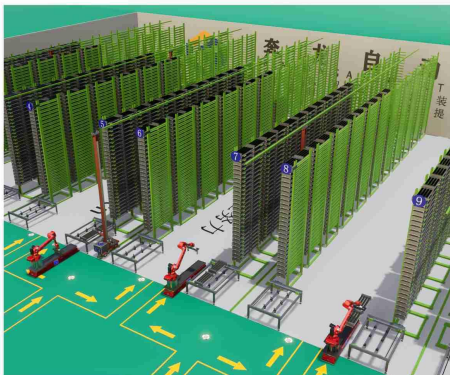
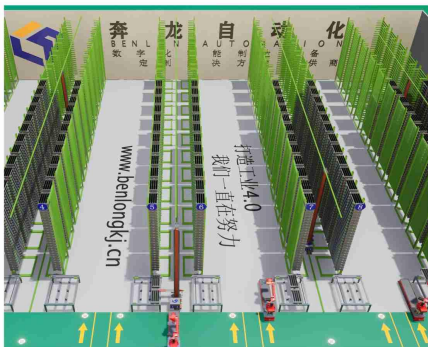
智能仓储
 Intelligent warehousing

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-spec mixed production, automation, informatization, modularization, Flexibility, customization, Visualization, One-click switching, Remote maintenance design, Early warning notification, assessment reports, data collection and processing, Global detection management, Equipment lifecycle management, etc.

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自动化
Automation
- 
信息化
Informatization
- 
模块化
Modularity
- 
可视化
Visualization
- 
定制化
Customization
- 
柔性化
Flexibility
- 
云计算
Cloud Computing
- 
一键切换
One Click Switch
- 
远程维护
Remote Maintenance
- 
预警通知
Early Warning Notice
- 
评估报告
Evaluation Report
- 
数据采集
Data Acquisition



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



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