奔龙自动化科技有限公司成立于2008年，以自动化、智能化、机器人、传感器、物联网、MES系统技术为核心，为客户提供智能装备制造及系统集成解决方案的国家级高新技术企业。主营产品有：高低压电器元器件自动化生产线、新能源元器件自动化生产线、充电桩自动化生产线、锂电池自动化拼装生产线、自动化焊接设备等，公司产品远销全国各地，同时出口到东南亚、中东、北非等30多个国家和地区。

Benlong Automation Technology Co., Ltd. was established in 2008, with automation, intelligence, robotics, sensors, Internet of Things, and MES system technology as its core, providing customers with intelligent equipment manufacturing and system integration solutions as a national high-tech enterprise. Our main products include: automated production lines for high and low voltage electrical components, automated production lines for new energy components, automated production lines for charging piles, automated assembly production lines for lithium batteries, automated welding equipment, etc. Our products are exported to various parts of the country and are also exported to more than 30 countries and regions such as Southeast Asia, the Middle East, and North Africa.

2008 年	80 +名	3 +家	2 +所	30 +个
奔龙自动化创业	技术专员	战略合作单位	科研院所及大专院校	业务遍及国家和地区
Benlong Entrepreneurship	technical attache	Strategic Partners	Research Institutions	Business covers countries and regions
20 +家	28 +家	1200 +家	265 +个	2 +个
外贸合作企业	上市公司合作	国内公司合作	知识产权	企业资质
foreign enterprise	Listed company cooperation	Cooperative companies	intellectual property	Qualifications

奔龙自动化科技有限公司
Benlong Automation Technology Co., Ltd

SINCE 2008

+86-577-62777062 4008-600-680
E-mail: zzl@benlongkj.cn http://www. benlongkj.com

+86 150 5837 0007

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激光应用专用设备

SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

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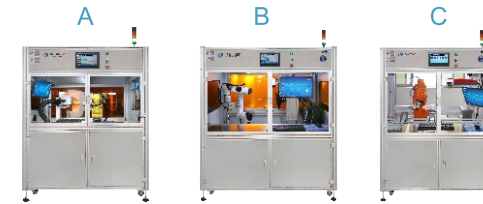
激光应用专用设备
Specialized equipment for laser applications

MCBMCB微型断路器自动激光打标设备
MCBMCB miniature circuit breaker automatic laser marking equipment

A   B   C   D

MCB微型断路器机器人+自动激光打标设备
MCB miniature circuit breaker robot + automatic laser marking equipment

A   B   C

紫外激光打标设备
UV laser marking equipment

MCB微型断路器二维码自动激光打标设备
MCB miniature circuit breaker 2D code automatic laser marking equipment

光纤激光打标设备
Fiber laser marking equipment

MCCB塑壳断路器自动激光打标设备
MCCB plastic case circuit breaker automatic laser marking equipment

光伏直流隔离开关自动激光打标设备
Photovoltaic DC isolation switch automatic laser marking equipment

时控开关自动激光打标设备
Automatic laser marking equipment for time control switch

浪涌保护器自动激光打标设备
Automatic laser marking equipment for surge protector

奔龙自动化 BENLONG AUTOMATION ｜ 国家高新技术企业 专利示范企业｜浙江省科学技术进步奖｜科技人员突出贡献奖

National High-tech Enterprise, Patent Demonstration Enterprise, Science and Technology Progress Award of Zhejiang Province, Outstanding Contribution of Science and Technology Personnel Award

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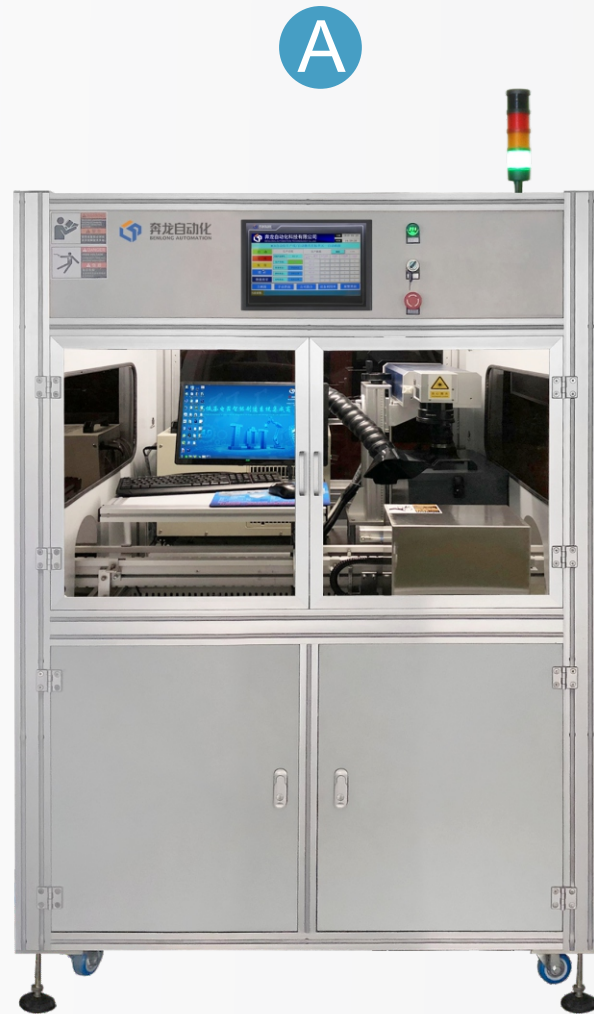
激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

MCB微型断路器自动激光打标设备
MCB Miniature 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。

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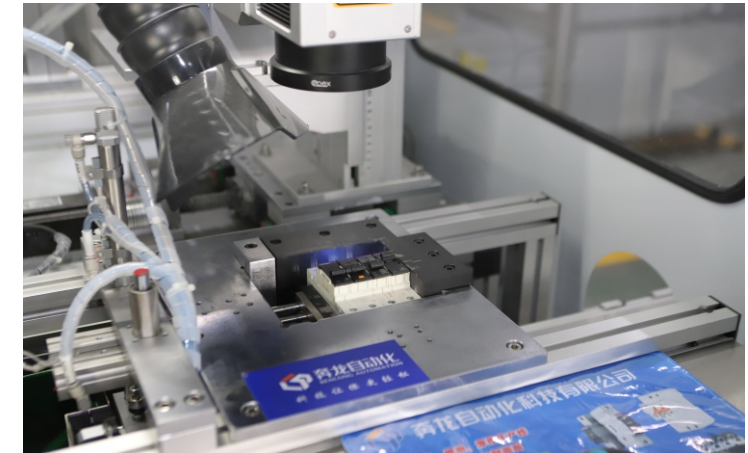
自动化 Automation　信息化 Informatization　模块化 Modularity　可视化 Visualization　定制化 Customization　柔性化 Flexibility

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

A

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设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

具有自动激光打标二维码或产品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、实时监测、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 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 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、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;
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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.
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7、Equipment with 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 independent intellectual property rights.

001　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4.0　002
Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

奔龙自动化 BENLONG AUTOMATION | 国家高新技术企业 专利示范企业 | 浙江省科学技术进步奖 | 科技人员突出贡献奖
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SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

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MCB Miniature Circuit Breaker Automatic Laser Marking Equipment

B

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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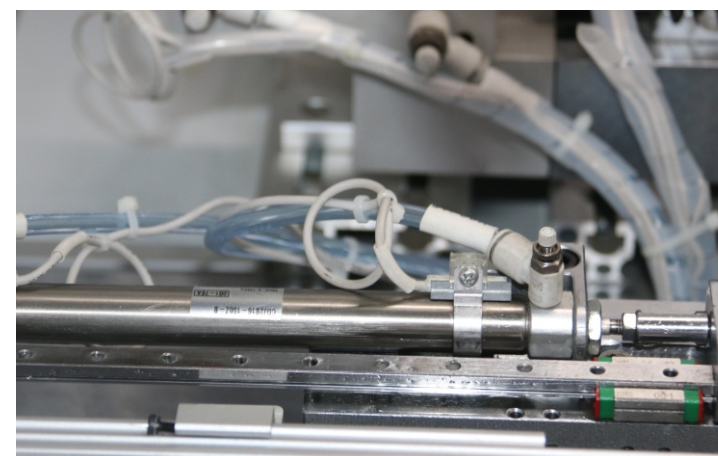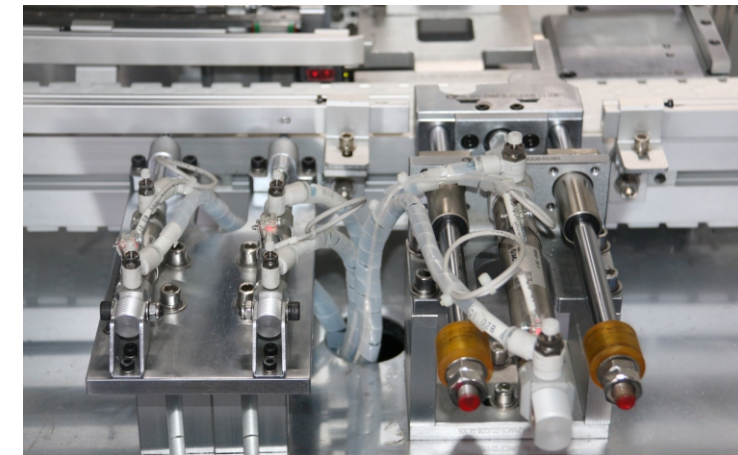
自动化 Automation　信息化 Informatization　模块化 Modularity　可视化 Visualization　定制化 Customization　柔性化 Flexibility

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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设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

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设备技术参数 EQUIPMENT TECHNICAL PARAMETERS

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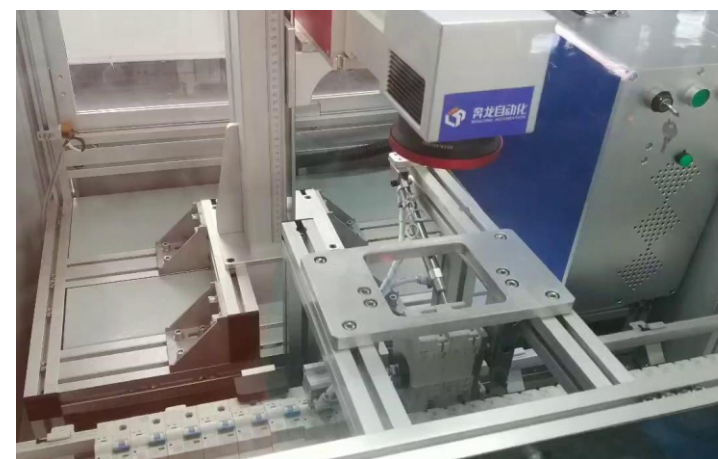003　高低压电器元器件/新能源元器件自动化生产线系统集成商
High and low voltage electrical components / new energy components automated production line system integrator

推动制造产业数字化转型升级4.0
Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0　004

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激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

MCB微型断路器自动激光打标设备
MCB Miniature Circuit Breaker Automatic Laser Marking Equipment

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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。

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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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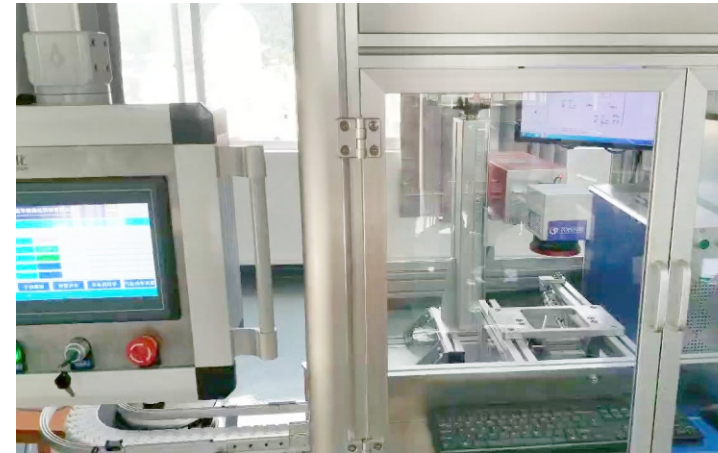11、With independent independent intellectual property rights.

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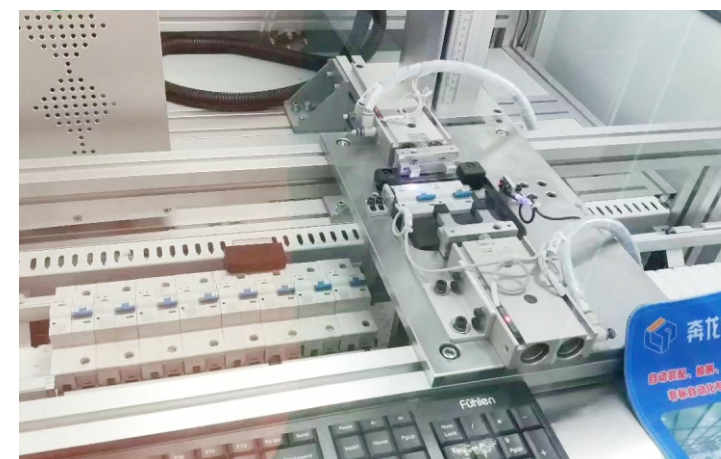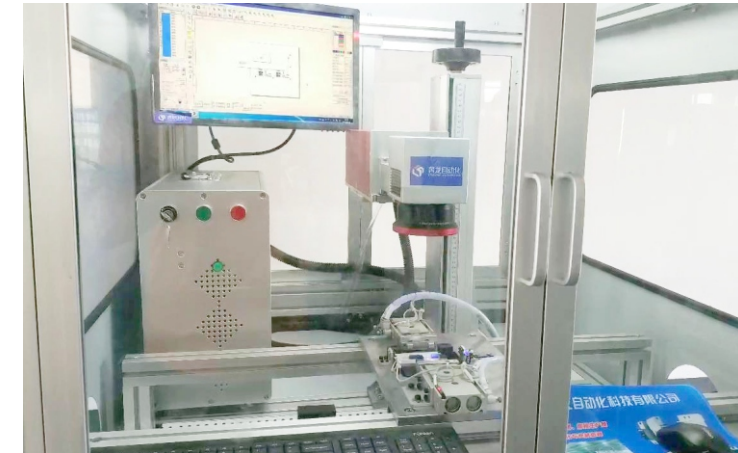
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2、设备兼容极数：1P、2P、3P、4P、5P
3、设备生产节拍：1秒/极、1.2秒/极、1.5秒/极、2秒/极、3秒/极；五种不同规格设备。
4、同一壳架产品，不同极数可以一键切换；不同壳架产品需要人工更换模具或夹具。
5、设备夹具可根据产品型号定做。
6、激光参数可以预存控制系统内，自动调取打标；打标二维码参数可任意设定，一般≤24位。
7、设备具有故障报警、压力监测等报警显示功能。
8、中文版和英文版两种操作系统。
9、所有核心配件均采用意大利、瑞典、德国、日本、美国、台湾等不同国家和地区的进口配件。
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 can be set arbitrarily, generally ≤ 24 bits.
7、Equipment with 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 independent intellectual property rights.

007 | 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 | 008
Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0

BENLONG AUTOMATION 奔龙自动化 | 国家高新技术企业 专利示范企业 | 浙江省科学技术进步奖 | 科技人员突出贡献奖

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高端智能装备整体解决方案 | 奔龙自动化 BENLONG AUTOMATION

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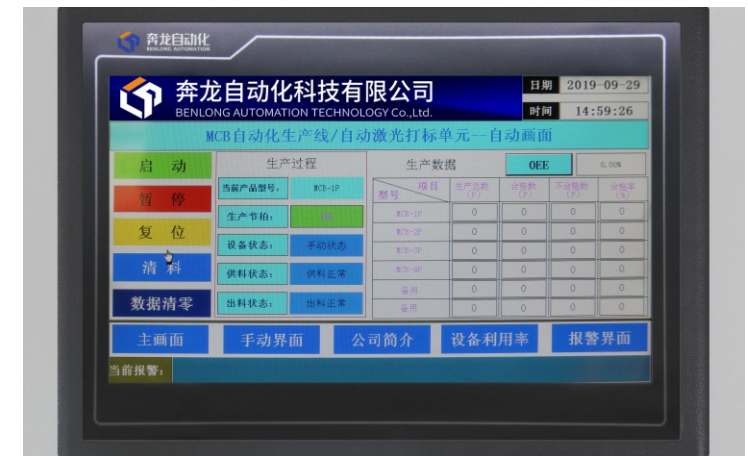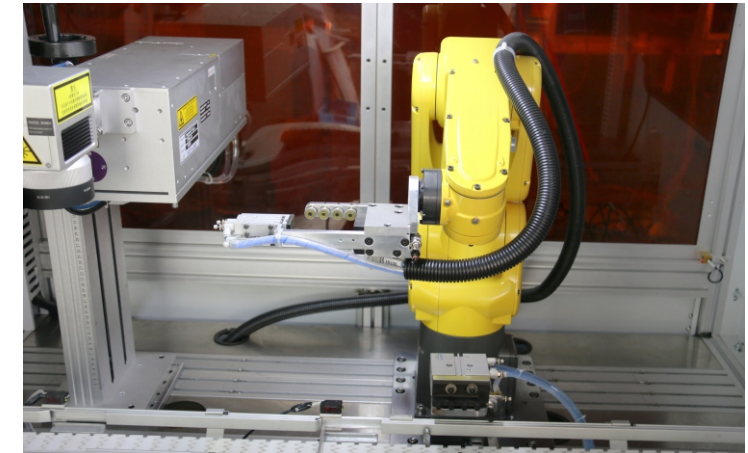
激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

MCB微型断路器机器人+自动激光打标设备
MCB Miniature Circuit Breaker Robot + Automatic Laser Marking Equipment

A

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

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.

009 | 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
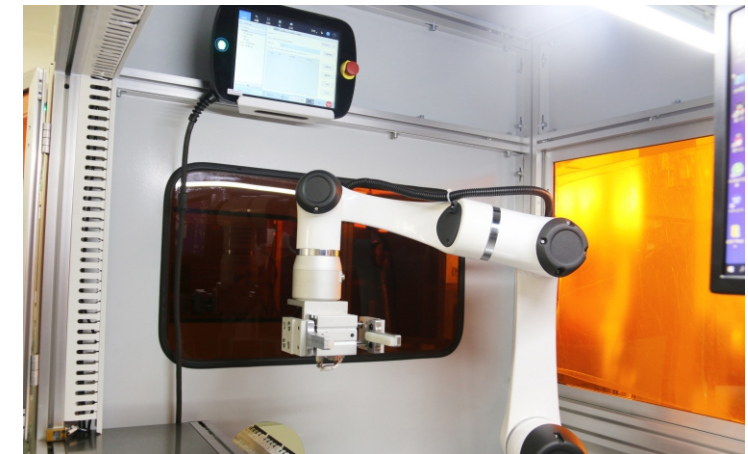Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0 | 010

奔龙自动化 BENLONG AUTOMATION | 国家高新技术企业 专利示范企业 | 浙江省科学技术进步奖 | 科技人员突出贡献奖

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B

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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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

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.

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

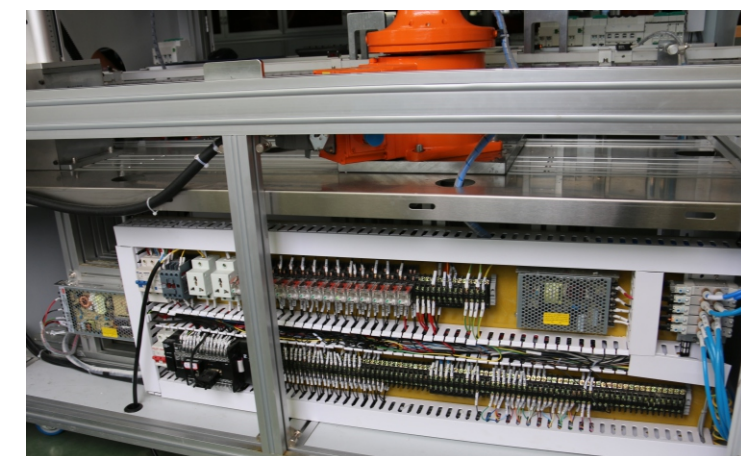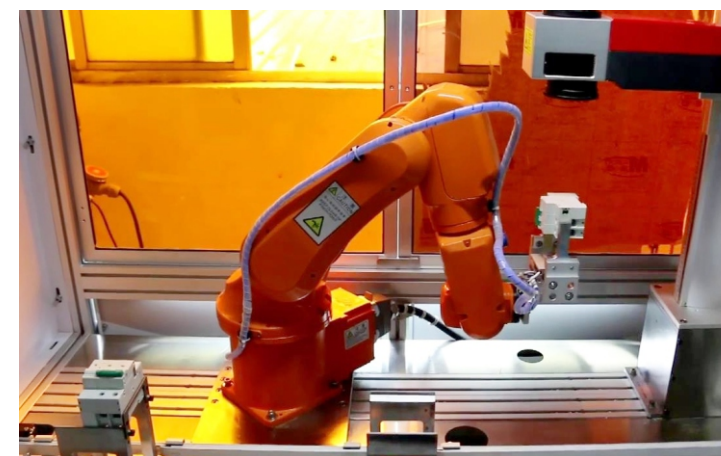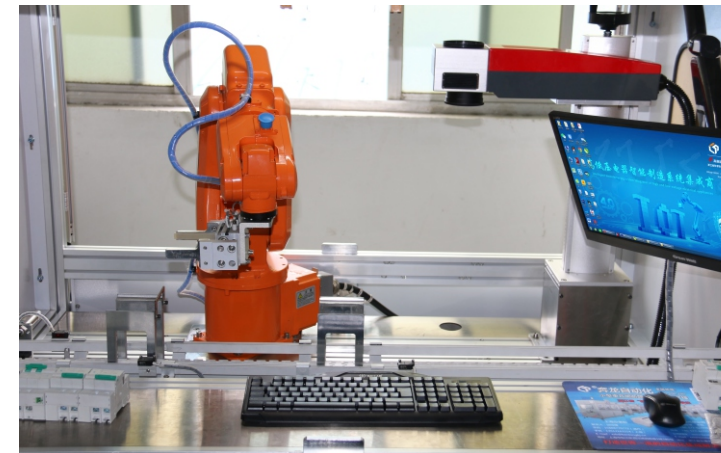推动制造产业数字化转型升级4.0 Promoting Digital Transformation and Upgrade of Manufacturing Industry 4.0 | 012

奔龙自动化 BENLONG AUTOMATION | 国家高新技术企业 专利示范企业 | 浙江省科学技术进步奖 | 科技人员突出贡献奖
National High-tech Enterprise, Patent Demonstration Enterprise, Science and Technology Progress Award of Zhejiang Province, Outstanding Contribution of Science and Technology Personnel Award

高端智能装备整体解决方案 | 奔龙自动化 BENLONG AUTOMATION
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激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

MCB微型断路器机器人+自动激光打标设备
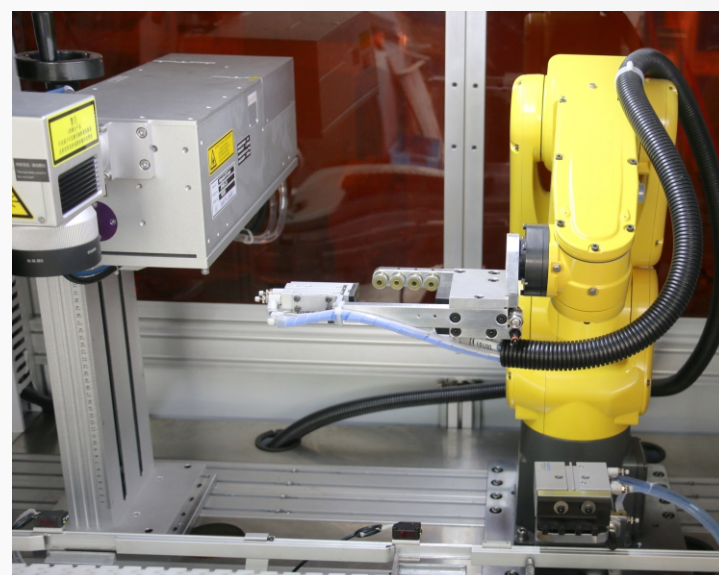### MCB Miniature Circuit Breaker Robot + Automatic Laser Marking Equipment

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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-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

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.

013 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 4.0 014

奔龙自动化 BENLONG AUTOMATION | 国家高新技术企业 专利示范企业 | 浙江省科学技术进步奖 | 科技人员突出贡献奖

National High-tech Enterprise, Patent Demonstration Enterprise, Science and Technology Progress Award of Zhejiang Province, Outstanding Contribution of Science and Technology Personnel Award

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激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

MCB微型断路器二维码自动激光打标设备
MCB miniature circuit breaker two-dimensional code 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

具有自动激光打标二维码或产品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 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 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、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 can be set arbitrarily, generally ≤ 24 bits.

7、Equipment with 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 independent intellectual property rights.

奔龙自动化 BENLONG AUTOMATION ｜ 国家高新技术企业 专利示范企业｜浙江省科学技术进步奖｜科技人员突出贡献奖

National High-tech Enterprise, Patent Demonstration Enterprise, Science and Technology Progress Award of Zhejiang Province, Outstanding Contribution of Science and Technology Personnel Award

高端智能装备整体解决方案 ｜ 奔龙自动化

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激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

MCCB塑壳断路器自动激光打标设备
MCCB Plastic Case Circuit Breaker Automatic Laser Marking Equipment
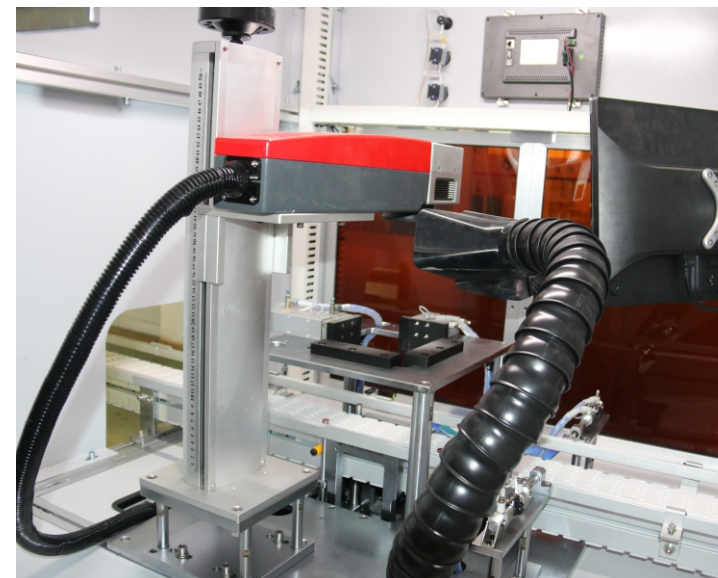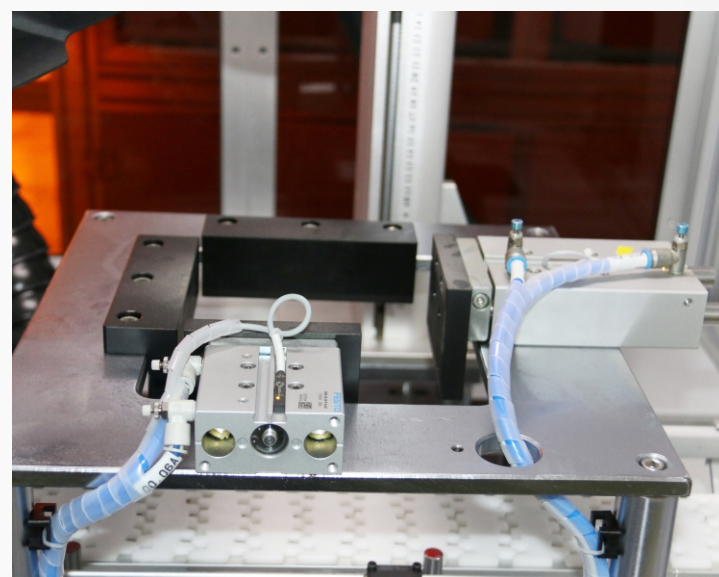
系统特点 SYSTEM FEATURES

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-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

具有自动激光打标二维码或产品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 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 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、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 can be set arbitrarily, generally ≤ 24 bits.

7、Equipment with 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".

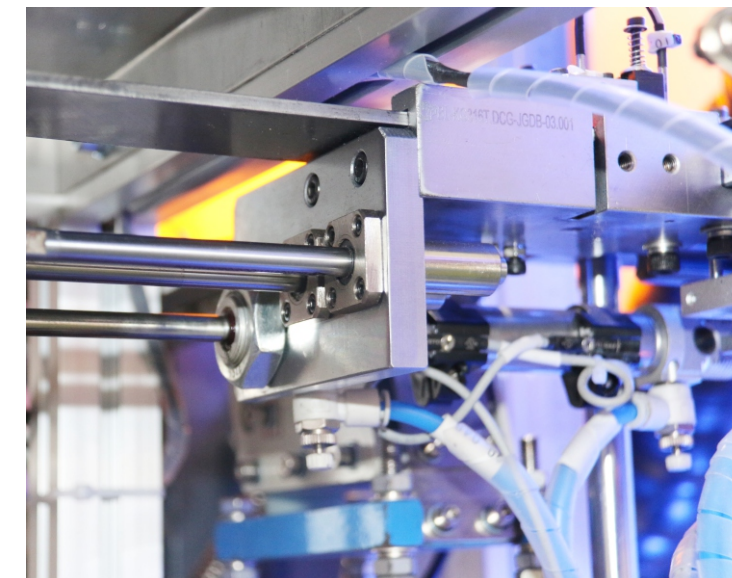11、With independent independent intellectual property rights.

017 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   018

奔龙自动化 | BENLONG AUTOMATION

国家高新技术企业 | 专利示范企业 | 浙江省科学技术进步奖 | 科技人员突出贡献奖
National High-tech Enterprise, Patent Demonstration Enterprise, Science and Technology Progress Award of Zhejiang Province, Outstanding Contribution of Science and Technology Personnel Award

高端智能装备整体解决方案 | 奔龙自动化 BENLONG AUTOMATION
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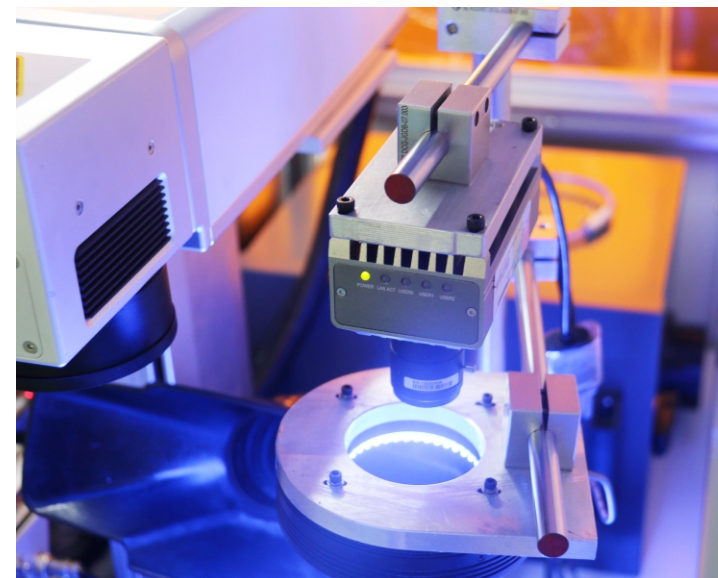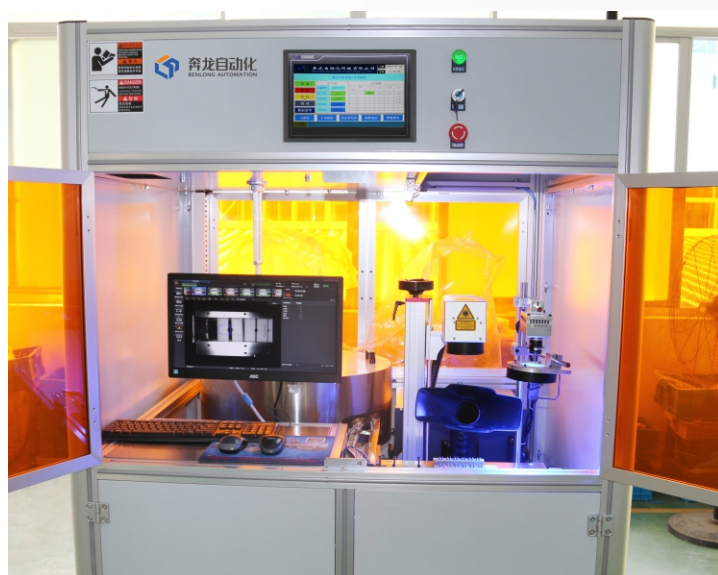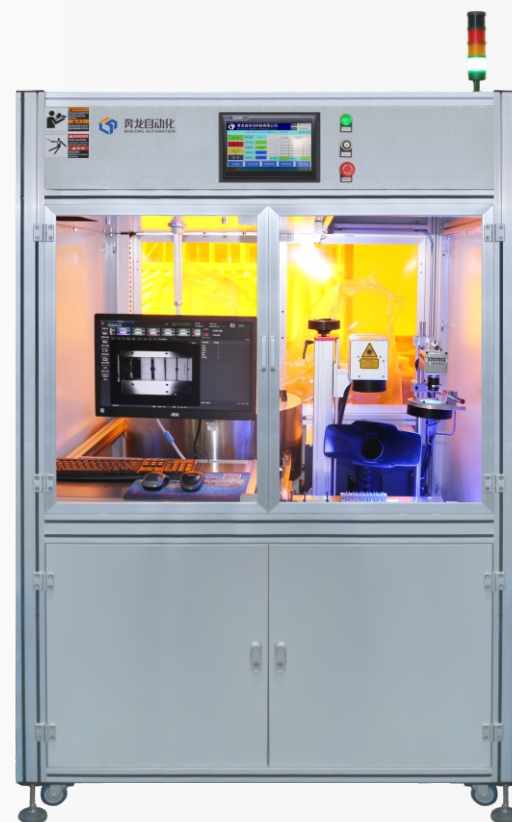
激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

时控开关自动激光打标设备
Automatic laser marking equipment for time control switches

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

具有自动激光打标二维码或产品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 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 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、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 can be set arbitrarily, generally ≤ 24 bits.
7、Equipment with 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 independent intellectual property rights.

019　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 4.0　020

奔龙自动化 BENLONG AUTOMATION | 国家高新技术企业 专利示范企业 | 浙江省科学技术进步奖 | 科技人员突出贡献奖

National High-tech Enterprise, Patent Demonstration Enterprise, Science and Technology Progress Award of Zhejiang Province, Outstanding Contribution of Science and Technology Personnel Award

高端智能装备整体解决方案 | 奔龙自动化 BENLONG AUTOMATION

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激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

浪涌保护器自动激光打标设备
Automatic Laser Marking Equipment for Surge Protectors
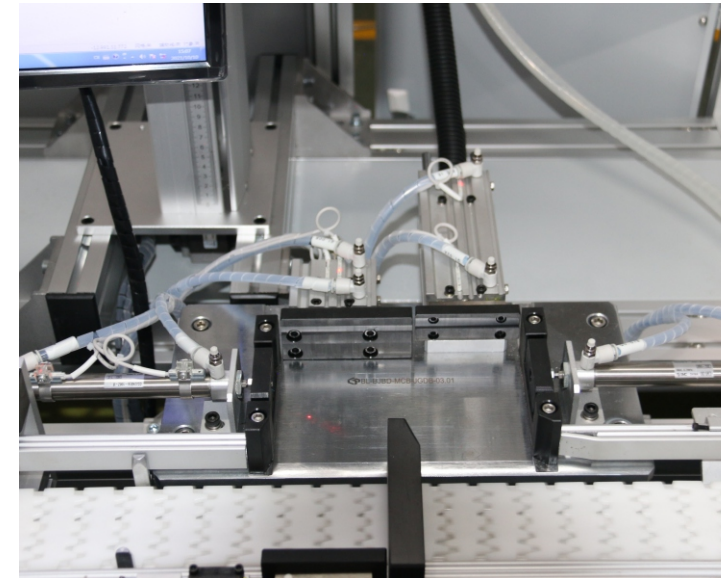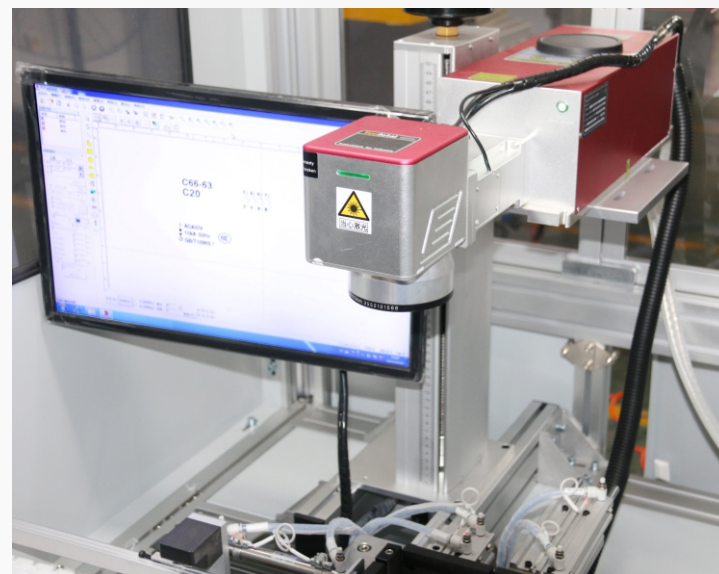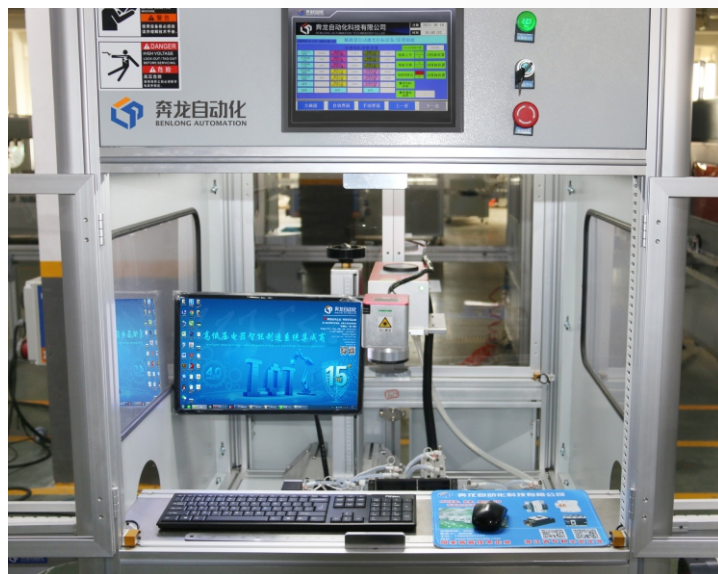
系统特点 SYSTEM FEATURES

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.

| 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

具有自动激光打标二维码或产品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 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 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、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 can be set arbitrarily, generally ≤ 24 bits.

7、Equipment with 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 independent intellectual property rights.
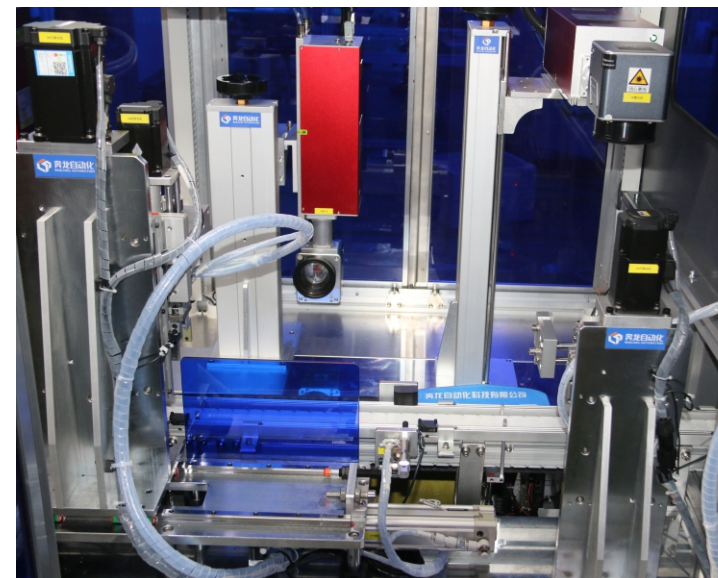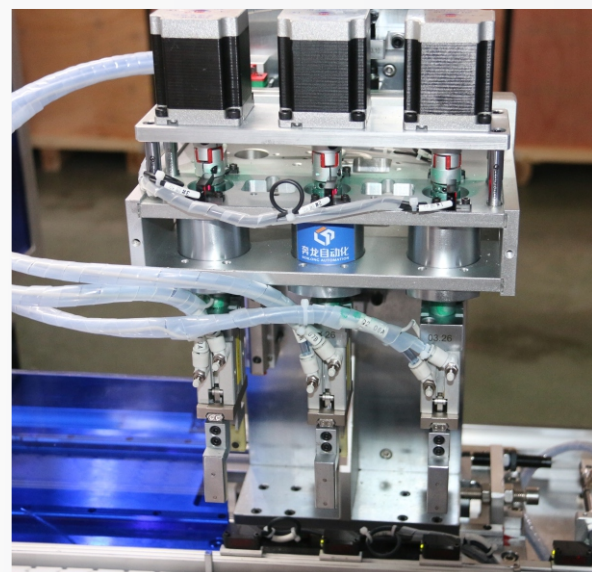
021 高低压电器元器件/新能源元器件自动化生产线系统集成商
High and low voltage electrical components / new energy components automated production line system integrator

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

022

National High-tech Enterprise, Patent Demonstration Enterprise, Science and Technology Progress Award of Zhejiang Province, Outstanding Contribution of Science and Technology Personnel Award

高端智能装备整体解决方案

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激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

光伏直流隔离开关自动激光打标设备
Photovoltaic DC isolation switch 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: 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 detection.
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.

023　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 4.0　024

奔龙自动化 BENLONG AUTOMATION | 国家高新技术企业 专利示范企业 | 浙江省科学技术进步奖 | 科技人员突出贡献奖

National High-tech Enterprise, Patent Demonstration Enterprise, Science and Technology Progress Award of Zhejiang Province, Outstanding Contribution of Science and Technology Personnel Award

高端智能装备整体解决方案 | 奔龙自动化

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激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

光纤激光打标设备
Fiber Laser Marking Equipment

应用范围 APPLICATIONS

手机按键、塑胶透光按键、电子元器件、集成电路(IC)、电工器、通讯产品、卫浴洁具、工具配件、刀具、眼镜钟表、珠宝首饰、汽车配件、箱包饰扣、炊具、不锈钢制品等行业。

Cell phone keys, plastic translucent keys, electronic components, integrated circuits (IC), electrical appliances, communication products, sanitary ware, tool accessories, knives, glasses and clocks, jewelry, auto parts, luggage and bags, cookware, stainless steel products and other industries.

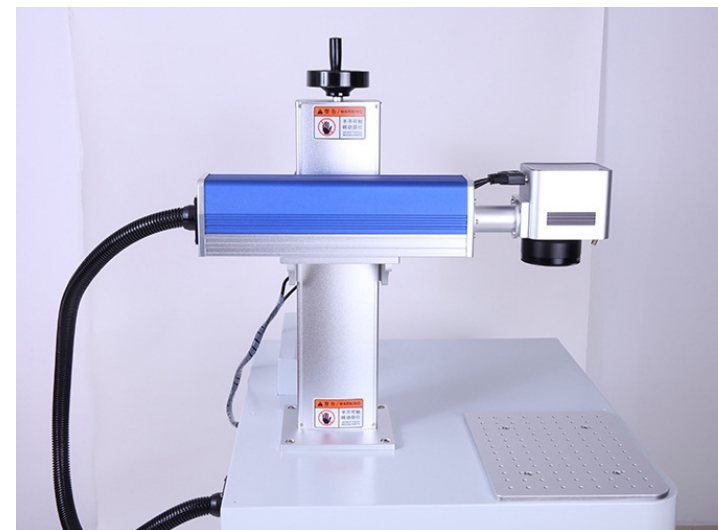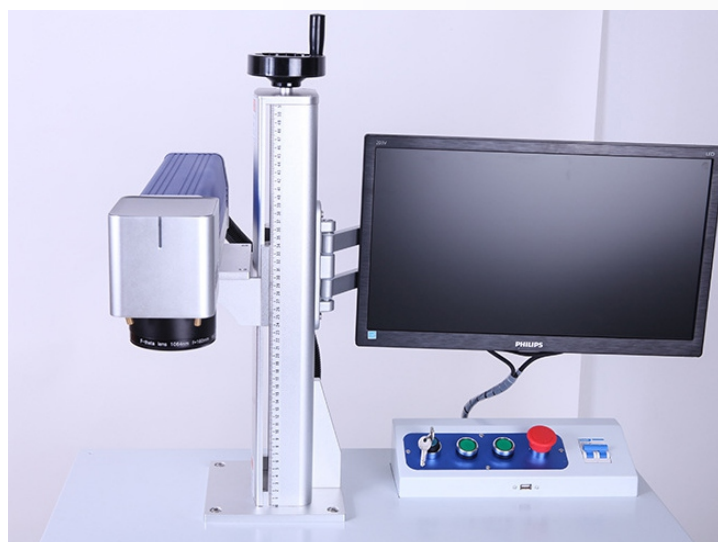|				
自主研发 Self-developed	高效精准 Efficient and precise	经久耐用 Durable	操作简单 Easy to operate	用途广泛 Wide range of uses

设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

★ 加工速度快，是传统打标机的2-3倍。
★ 采用光纤激光器输出激光，再经高速扫描振镜系统实现打功能。
★ 光纤激光打标机电光转换效率高，达20%以上(YAG为3%右)，极大的节省了电能。
★ 激光器采用风冷方式冷，散热性能好，不需空调和水循环统，光纤可盘绕，整机体积小巧，输出光束质量好，谐振无光学镜片，具有免调节，免维护，可靠性高等性能。

★ Fast processing speed, 2-3 times faster than traditional marking machine.
★ Using fiber laser output laser, and then through the high-speed scanning oscillator system to achieve hit function.
★ Fiber laser marking machine electro-optical conversion efficiency is high, up to 20% (YAG for 3% right), a great saving of electricity.
★ Laser using air-cooled way cold, good heat dissipation performance, no air conditioning and water circulation system, fiber can be coiled, the whole machine is compact, the output beam quality is good, resonance without optical lens, with no adjustment, maintenance-free, high reliability performance.

设备技术参数 EQUIPMENT TECHNICAL PARAMETERS

产品名称:光纤激光打标机	Product name: Fiber laser marking machine
支持图片格式:PLT、BMP、JPG、PNG、DXF	Support image format: PLT, BMP, JPG, PNG, DXF
输出功率:20W/30W/50W	Output power:20W/30W/50W
工作幅面:110-300MM（可定制）	Working width: 110-300MM (can be customized)
最大刻印速度:7000MM/S	Maximum engraving speed: 7000MM / S
系统环境:XP/WIN7/WIN8/WIN10	System environment:XP/WIN7/WIN8/WIN10
雕刻深度:≤0.3MM视材质而定	Engraving depth: ≤ 0.3MM depending on the material
识别结果力率:500W	Recognition results in force rate: 500W
最小雕刻尺寸:汉字1*1字母0.5*0.5mm	Minimum engraving size: Chinese characters 1 * 1 letters 0.5 * 0.5 mm
激光器类型:脉冲光纤固体激光器	Laser type: pulse fiber solid-state laser
精度:0.01mm	Accuracy: 0.01mm
工作电压:220V+10%50/60HZ	Operating voltage: 220V +10%50/60HZ
激光波长:1064mm	Laser wavelength: 1064mm
冷却方式:内置风冷	Cooling mode: built-in air cooling
光束质量:<2	Beam quality:<2
外观尺寸:750*650*1450MM	Appearance size:750*650*1450MM
脉冲频道:20KSZ	Pulse channel:20KSZ
整机重量:78KG	Overall machine weight:78KG

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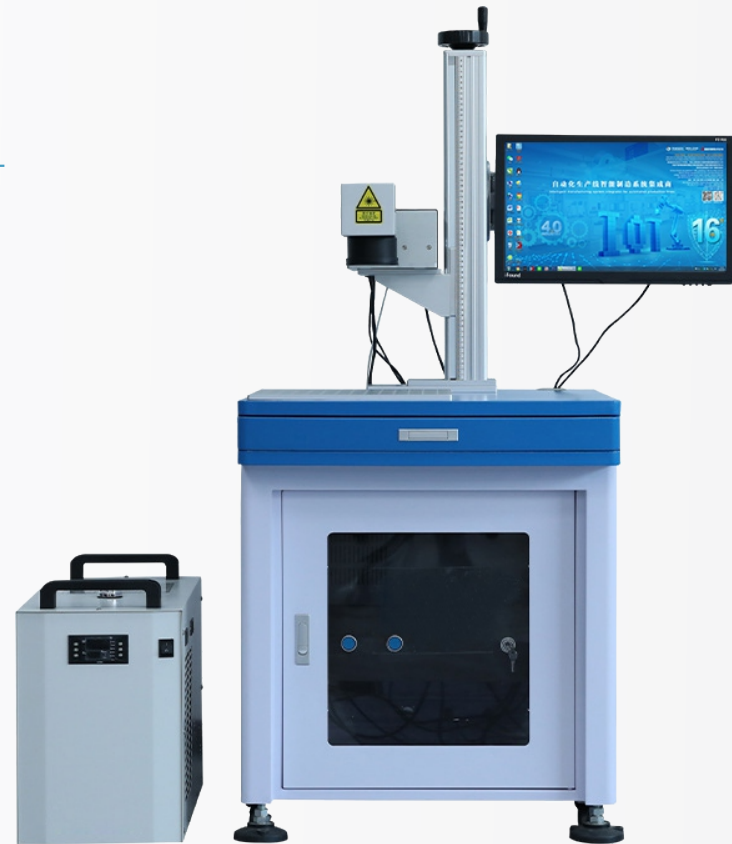
激光应用专用设备
SPECIALIZED EQUIPMENT FOR LASER APPLICATIONS

紫外激光打标设备　UV Laser Marking Equipment

应用范围 APPLICATIONS

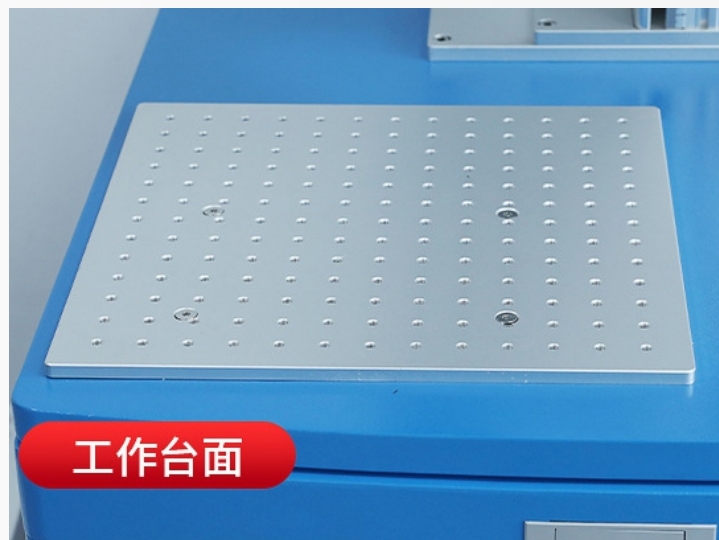主要应用于超精细加工的高端市场，手机、充电器、数据线、药品、化妆品、视频及其他高分子材料的包装瓶表面打标，效果非常精细，标记清晰牢固，优于油墨喷码且无污染;柔性pcb 板打标，划片:硅晶圆片微孔、盲孔加工等等。

Mainly used in the high-end market of ultra-fine processing, cell phones, chargers, data lines, drugs, cosmetics, video and other polymer materials, packaging bottle surface marking, the effect is very fine, mark clear and solid, better than ink spray code and no pollution; flexible pcb board marking, scribing: silicon wafer micro-hole, blind hole processing and so on.

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液晶显示屏

工作台面

设备功能介绍 EQUIPMENT FUNCTION INTRODUCTION

1、紫外激光由于聚焦光斑极小，且加工热影响区小，因而可以进行超精细打标、特殊材料打标，是对打标效果有更高的要求客户的首选产品。

2、紫外激光除铜材质外,适合加工的材质更加广泛。

3、标记速度快,效率高;整机性能稳定,体积小,功耗低等优势。。紫外激光在塑料标刻效果要求无手感方面作为首选光源，颜色偏黑蓝且均匀,效率适中。

1, UV laser because of the focus spot is very small, and processing heat-affected zone is small, so you can carry out ultra-fine marking, marking of special materials, is the marking effect of higher requirements of customers preferred products.

2, UV laser in addition to copper, suitable for processing a wider range of materials.

3, marking speed, high efficiency; stable performance of the machine, small size, low power consumption and other advantages. UV laser in the plastic marking effect requires no hand as the preferred light source, the color is black and blue and uniform, moderate efficiency.

设备技术参数 EQUIPMENT TECHNICAL PARAMETERS

激光类型：脉冲型全固态固体激光	Laser type: pulsed all-solid-state laser
激光波长：355nm	Laser wavelength: 355 nm
激光功率：3-20 W@ 30 KHz	Laser power: 3-20 W@ 30 KHz
光束质量：M2〈1.2	Beam quality: M2 < 1.2
脉冲重复频率：30-120KHz	Pulse repetition frequency: 30-120 KHz
光斑直径：0.7±0.1mm	Spot diameter: 0.7±0.1mm
标记速度：≤12000mm/s	Marking speed: ≤12000mm/s
打标范围：50mmx50mm-300mmx300mm	Marking range: 50mmx50mm-300mmx300mm
最小线宽：0.012mm	Minimum line width: 0.012mm
最小字符：0.15mm	Minimum character: 0.15mm
重复精度：±0.01mm	Repeat accuracy: ±0.01mm
冷却方式：风冷/水冷	Cooling method: air-cooled/water-cooled
系统运行环境：Win XP/Win 7	System operating environment: Win XP/Win 7
电力需求：220V/20A/50Hz	Power requirement: 220V/20A/50Hz
整机功率：800-1500W	Whole machine power: 800-1500W
外形尺寸(长x宽x高)：650mmx800mmx1500mm	Dimension(LxWxH): 650mmx800mmx1500mm
整机重量：约110KG	Overall machine weight: about 110KG

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