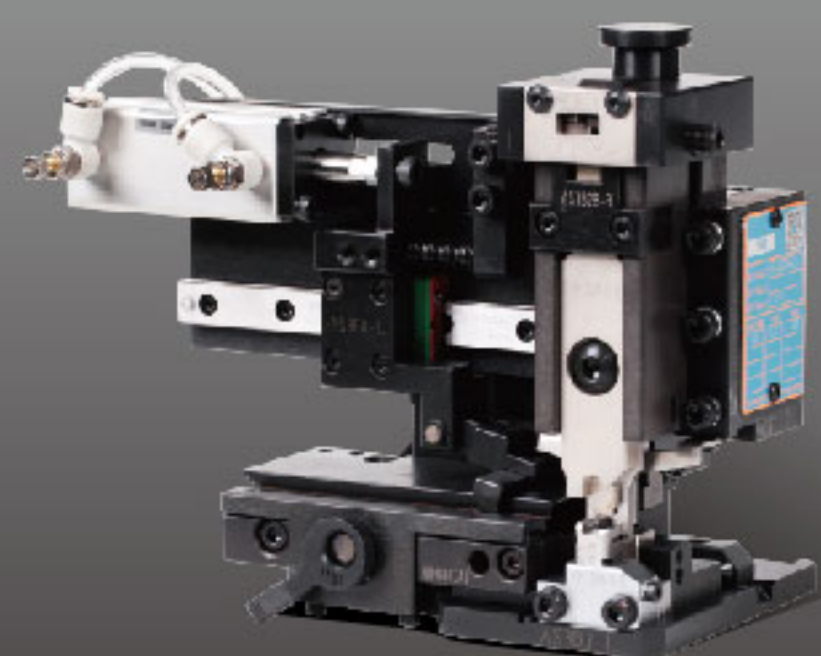
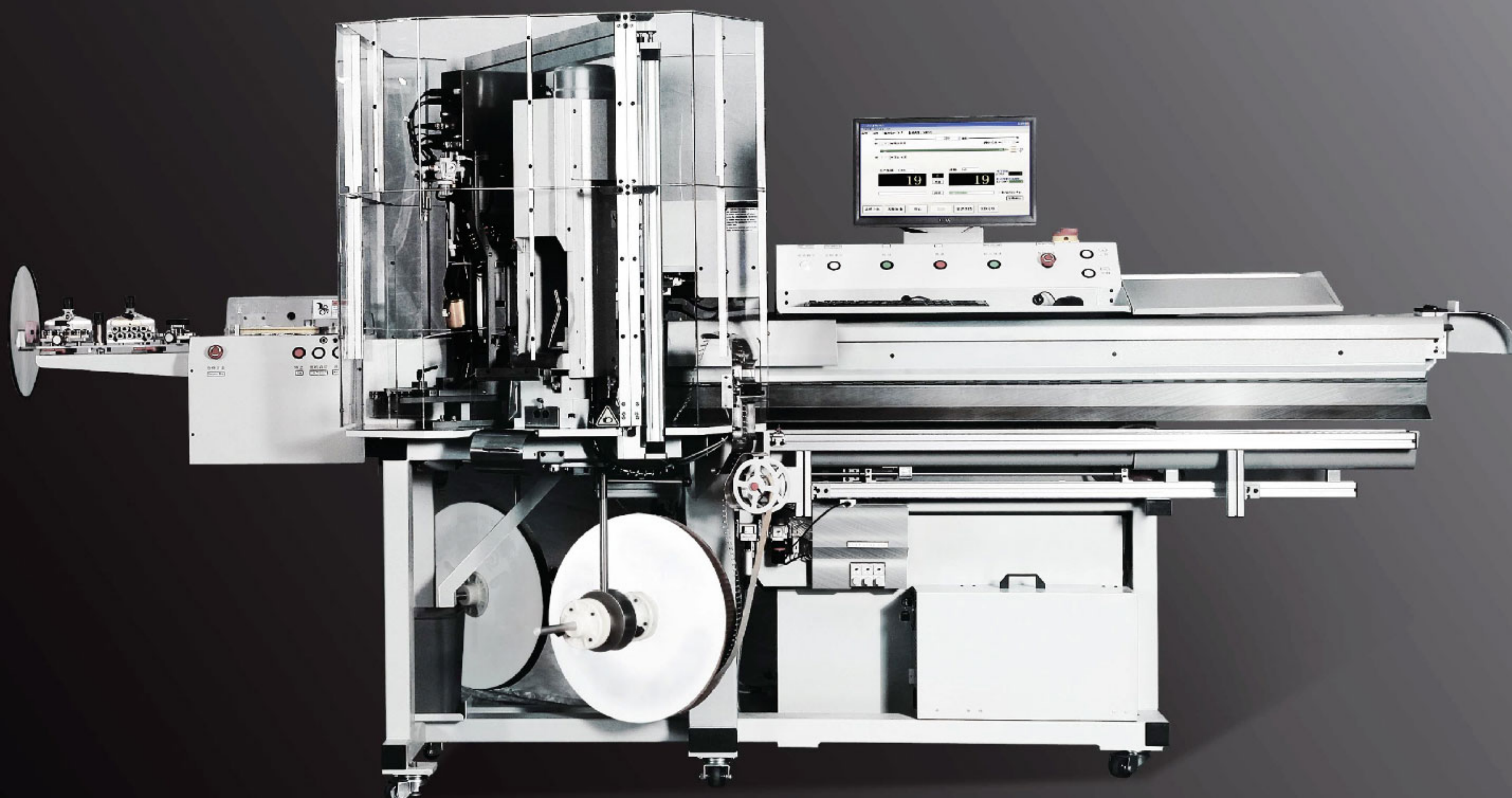




产品型录

PRODUCT CATALOG



HACINT

鹤壁海昌智能科技有限公司
HACINT INTELLIGENCE TECHNOLOGY CO., LTD



高新技术企业



ISO9001:2015 ISO14001:2015



By

SGS

VDA6.4

VDA6.4认证

做客户信赖的智能制造
系统解决方案供应商

To be the trusted systematic
solutions supplier for intellig
ent manufacturing



品质决定未来
The quality, the future
01/02



东莞海弘：华南研发中心
Dongguan Haihong : R&D center in South China



昆山海弘：华东研发中心
Kunshan Haihong : R&D center in East China



河南海弘：软件开发公司
Henan Haihong : Software Service



公司概况

About us

自1994年成立以来，鹤壁海昌智能科技有限公司始终以“让智能制造触手可及”为企业使命，致力于做客户信赖的智能制造系统解决方案供应商。目前，公司实行3+2+X产品战略，主要产品包括：线束设备系列、压接模具系列、线束测试系列、智能软件系列、智能装备系列、线束行业外设备系列等，产品广泛应用于汽车、家电、5G、3C、医疗、电动工具等行业。

海昌智能拥有经验丰富的科研团队，始终以科技创新作为核心竞争力，聚焦客户，孕育精品，着力为制造企业提供整套智能化解决方案，助力企业实现智能化升级。产品多次荣获省部级科技进步奖，公司先后被认定为国家高新技术企业、全国质量标杆、河南省创新型试点企业、河南省中小企业数字化服务商；公司重视质量管理体系建设，在同行业内率先通过VDA6.4质量管理体系认证。

多年来，公司相继与安波福、莱尼、李尔、博世、西门子等众多国际知名企业建立紧密合作关系，同时在美国、墨西哥、塞尔维亚、摩洛哥、泰国、印度、上海、东莞、重庆、天津、长春等国家和地区建立了售后服务基地，产品畅销美洲、欧洲、非洲、东南亚等国家和地区。

“品质决定未来”是海昌人永恒不变的信念，“杰出，超出客户的期望”是海昌人孜孜追求的目标。海昌智能将继续秉承真诚、周到、高效、专业的服务理念，大力弘扬团结协作、拼搏创新的企业精神，怀揣以诚铸品、和谐共赢的经营理念，共创制造业企业高科技高智能的美好未来！

With the mission of intelligent manufacturing, Hacint Intelligence Technology Co., Ltd. has been committed to becoming the trusted systematic solutions supplier for intelligent manufacturing since establishment in 1994. Hacint implements 3+2+X product strategy: crimping applicator series, harness equipment series, harness test series, software series, intelligent equipment series, and equipment of other industry, which are widely used in automotive, appliances, 5G, 3C, medical and health care and electrical tool.

Hacint owns an experienced R&D team and takes technological innovation as its core competitiveness, focusing on customer and fostering new products. Hacint provides systematic solutions for intelligent manufacturing to help customer achieve intelligent upgrading. The company has been recognized as the national high-tech enterprise, national quality benchmark, innovative pilot enterprise in Henan Province, and digital service provider for SMEs in Henan Province. The company attaches great importance to quality system construction and is the first in the industry to pass the VDA6.4 quality management system.

Over the years, the company has established close cooperation with many international famous enterprises such as Aptiv, Leoni, Lear, Bosch, Siemens, etc. Meanwhile, we have established after-sales service offices in the United States, Mexico, Serbia, Morocco, Thailand, India, Shanghai, Dongguan, Chongqing, Tianjin, Changchun and other countries and regions, and our products are sold well in America, Europe, Africa, Southeast Asia, etc..

"Quality determines the future" is the eternal belief of Hacint people, "Excellence, exceeding customer expectations" is the goal that Hacint people pursue diligently. Hacint will continue to uphold the service concept of sincerity, thoughtfulness, efficiency and professionalism, vigorously carry forward the enterprise spirit of unity and cooperation, hard work and innovation, and carry the business philosophy of casting products with sincerity and harmonious win-win situation, to create a bright future of high-tech and high intelligence for manufacturing enterprises!

目录

CATALOG

智能软件系列

SOFTWARE SERIES

07/08

HMES (H9/H7/H5/H3) 系列智造信息系统

HMES(H9/H7/H5/H3) SERIES INTELLIGENT MANUFACTURING
EXECUTION SYSTEM

线束设备系列

HARNESS EQUIPMENT SERIES

09

全自动压接机

AUTOMATIC CRIMPING EQUIPMENT

09/23

HBQ-802E 型全自动下线压接机

HBQ-802E FULLY AUTOMATIC CRIMPING MACHINE

HBQ-804 型全自动下线压接机

HBQ-804 FULLY AUTOMATIC CRIMPING MACHINE

HBQ-804H 型全自动下线压接机

HBQ-804H FULLY AUTOMATIC CRIMPING MACHINE

HBQ-804P 型全自动下线压接机

HBQ-804P FULLY AUTOMATIC CRIMPING MACHINE

HBQ-805 型全自动下线压接机

HBQ-805 FULLY AUTOMATIC CRIMPING MACHINE

FSA-001 型防水栓工作站

FSA-001 SEAL LOADING MODULE

HBQ-804-03A 型预送线器

HBQ-804-03A WIRE PRE-FEEDER

双进线自动切换装置

DUAL WIRES FEEDING MODULE

自动机快速换模装置

QUICK CHANGE MODULE

CVIS100 端子缺陷检测系统

CVIS100 VISUAL INSPECTION SYSTEM

HBQ-054 剥皮及穿栓检测系统

HBQ-054 STRIPPING & SEALING DETECTION SYSTEM

半自动压接机

CRIMPING EQUIPMENT

24/33

HBQ-2030JB/2040EB 型端子压接机

HBQ-2030JB/2040EB CRIMPING MACHINE

HBQ-X4030JB/X4040EB/8030J/8040E 型端子压接机

HBQ-X4030JB/X4040EB/8030J/8040E CRIMPING MACHINE

HBQ-160 多功能压接机

HBQ-160 MULTI-FUNCTION CRIMPING MACHINE

HBQ-X4030JSI/X4040ESI/8030JSI/8040ESI 网络压接机

HBQ-X4030JSI/X4040ESI/8030JSI/8040ESI NETWORK CRIMPING MACHINE

HBQ-P20/P30 型压接机

HBQ-P20/P30 CRIMPING MACHINE

HBQ-121 U型端子压接机

HBQ-121 CRIMPING MACHINE

HBQ-H15A 油压机

HBQ-H15A OIL HYDRAULIC CRIMPING MACHINE

HBQ-125A 免换模压接机

HBQ-125A HEXAGONAL CRIMPING MACHINE

选配件

OPTIONAL ACCESSORIES

剥打一体机

HBQ-210B 双线穿剥打一体机

HBQ-210C 双线剥打一体机

HBQ-210D 重型穿剥打一体机

HBQ-208 同心剥打一体机

HBQ-106 散粒航空端子剥打一体机

HBQ-109 新能源双剥双打工作站

HBQ-212A 以太网短线剥皮压接设备

HBQ-011/011S 管式端子压接机

STRIPPING AND CRIMPING EQUIPMENT 34/41

HBQ-210B STRIPPING & CRIMPING MACHINE

HBQ-210C STRIPPING & CRIMPING MACHINE

HBQ-210D STRIPPING & CRIMPING MACHINE

HBQ-208 STRIPPING & CRIMPING MACHINE

HBQ-106 LOOSE TERMINAL CRIMPING MACHINE

HBQ-109 DUAL-WIRE CRIMPING MACHINE

HBQ-212A ETHERNET SHORT WIRE STRIPPING AND CRIMPING MACHINE

HBQ-011/011S FERRULES CRIMPING MACHINE

多功能设备

HBQ-901 六线加工中心

HBQ-902 多线型加工中心

HBQ-180 智能大平线加工中心

HBQ-922 双线绞合加工中心

HBQ-910A 型全自动下线打卷机

MULTIFUNCTIONAL EQUIPMENT 42/47

HBQ-901 HARNESS PROCESSING CENTER

HBQ-902 HARNESS PROCESSING CENTER

HBQ-180 PROCESSING CENTER

HBQ-922 DUAL-WIRE TWISTING CENTER

HBQ-910A AUTOMATIC WIRE CUTTING AND WINDING MACHINE

剪剥设备

HBQ-041C 型自动导线剪剥机

HBQ-421 全自动屏蔽线下线机

HBQ-423 全自动屏蔽线下线机

HBQ-429 电动剥皮机

HBQ-422A 型环剥机

HBQ-426 型环剥机

HBQ-425A 屏蔽网切割机

HBQ-Z221A 新能源线束加工三合一设备

HBQ-428 新能源线束自动化生产线

CUTTING AND STRIPPING EQUIPMENT 48/56

HBQ-041C AUTOMATIC STRIPPING MACHINE

HBQ-421 AUTOMATIC STRIPPING MACHINE

HBQ-423 AUTOMATIC STRIPPING MACHINE

HBQ-429 ELECTRIC STRIPPING MACHINE

HBQ-422A ROTARY STRIPPING MACHINE

HBQ-426 ROTARY STRIPPING MACHINE

HBQ-425A SHIELDING BRAID CUTTING MACHINE

HBQ-Z221A NEW ENERGY CABLE PROCESSING MACHINE

HBQ-428 AUTOMATIC NEW ENERGY CABLE PROCESSING MACHINE

防水密封设备

FSM-001 手动穿栓机

WPP 型防水栓模具

FSY-001 防水栓去油机

HBQ-Z209 经济型盲堵插入机

HBQ-Z215A 立式盲棒自动插入机

SEALING EQUIPMENT 57/60

FSM-001 SEAL LOADING MACHINE

WPP SEAL APPLICATOR

FSY-001 SEAL DEOILER

HBQ-Z209 ECONOMIC AUTOMATIC INSERTION MACHINE

HBQ-Z215A AUTOMATIC INSERTION MACHINE

线束后工序设备

HBQ-371 中间热缩管收缩机

HBQ-372 端部热缩管收缩机

HBQ-373 新能源热缩管收缩机

HBQ-068 双头绞线机

HBQ-068JD 双头点缠绞线机

HBQ-360 四头绞线机

HBQ-067 胶带捆扎机

HBQ-320 扎带枪

TLZ-4/TLZ-5 型线束装配流水线

HBQ-Z211 卡扣安装设备

HBQ-G401 力矩工作站

HBQ-K602 保险盒压装机

POST HARNESS PROCESS EQUIPMENT 61/72

HBQ-371 HEAT-SHRINK MACHINE

HBQ-372 HEAT-SHRINK MACHINE

HBQ-373 HEAT-SHRINK MACHINE

HBQ-068 DUAL-WIRE TWISTING MACHINE

HBQ-068JD PONIT TWISTING MACHINE

HBQ-360 FOUR -WIRE TWISTING MACHINE

HBQ-067 TAPE BUNDLER

HBQ-320 CABLE TIE GUN

TLZ-4/TLZ-5 WIRE HARENESS ASSEMBLY LINE

HBQ-Z211 BUCKLE INSTALLATION MACHINE

HBQ-G401 TORQUE WORKSTATION

HBQ-K602 FUSE BOX CRIMPING MACHINE

压接模具系列

YJM -AFS300I/YJM -AFE300I 型压接模具

AS3B0/AE3B0 型压接模具

S3D 型压接模具

欧式机械压接模具(GS3M2)

智能芯控压接模具(AFS300B-S)

AFS300K 压接模具

AFTCA 计数切断型压接模具

NEFTCA-X 型旗形端子压接模具

单粒端子压接模具解决方案(ESTA)

FPCA（四点）/SPCA（六点）压接模具

AS4A/AE4A 型压接模具

XS4/E4 型压接模具

YJM-4XA/YJM-100 模具

Nano 型压接模具(S4B)

DYM-C 刺破压接模具

GS3M4 型韩式端子压接模具

CLM 轻型电瓶端子压接模具

LCMS 型重载压接模具

CRIMPING APPLICATOR SERIES 73/94

YJM -AFS300I/YJM -AFE300I CRIMPING APPLICATOR

AS3B0/AE3B0 CRIMPING APPLICATOR

S3D CRIMPING APPLICATOR

GS3M2 CRIMPING APPLICATOR

SENSING APPLICATOR (AFS300B-S)

AFS300K CRIMPING APPLICATOR

AFTCA COUNTING CRIMPING APPLICATOR

NEFTCA-X FLAG TERMINAL CRIMPING APPLICATOR

ESTA CRIMPING APPLICATOR

FPCA(FOUR POINTS)/SPCA(SIX POINTS)CRIMPING APPLICATOR

AS4/AE4A CRIMPING APPLICATOR

XS4/E4 CRIMPING APPLICATOR

YJM-4XA/YJM-100 APPLICATOR

NANO CRIMPING APPLICATOR (S4B)

DYM-C CRIMPING APPLICATOR

GS3M4 CRIMPING APPLICATOR

CLM BATTERY TERMINAL CRIMPING APPLICATOR

LCMS HEAVY DUTY CRIMPING APPLICATOR

闭式端子免换模压接模具(HCA/NHCA)	HCA/NHCA CRIMPING APPLICATOR
HD07 型重载压接模具	HD07 HEAVY DUTY CRIMPING APPLICATOR
HSPCA-K 型六点压接模具	HSPCA-K SIX POINTS CRIMPING APPLICATOR
易损件（压接刀具等）	WEARING PARTS(BLADES)

线束测试系列	HARNESS TEST SERIES	95/103
CS 型线束检测系统	CS TEST TABLE	
HCS6000 线束检测系统	HCS6000 TEST TABLE	
CSA 型扎带检测台	CSA CABLE TIE TEST TABLE	
CSB 电器盒视觉检测台	CSB VISUAL TEST TABLE FOR ELECTRIC BOX	
CSB-0012 视觉检测台	CSB-0012 VISION INSPECTION TABLE	
测试模块	TEST MODULE	
HBQ-051A/HBQ-052A/HBQ-053 型端子剖面工作室	HBQ-051A/HBQ-052A/HBQ-053 CROSS SECTION ANALYSIS CENTER	
HBQ-061C/064/065/065-E/410 型数字拉力试验机	HBQ-061C/064/065/065-E/410 PULL FORCE TESTER	

智能装备系列	INTELLIGENT EQUIPMENT SERIES	104/105
HBQ-Z021 智能自动组装机	HBQ-Z021 CONNECTORS AUTO-ASSEMBLY MACHINE	
HBQ-K612 168W板端连接器设备	HBQ-K612 168W BOARD END CONNECTOR MACHINE	

线束行业外设备系列	EQUIPMENT OF OTHER INDUSTRY	106/107
HBQ-K603 高速视觉数粒机	HBQ-K603 HIGH SPEED VISION COUNTING MACHINE	
HBQ-Z108 8盘卧式端子收料机	HBQ-Z108 8-DISK HORIZONTAL TERMINAL RECEIVER	

HMES (H9/H7/H5/H3) 系列智造信息系统

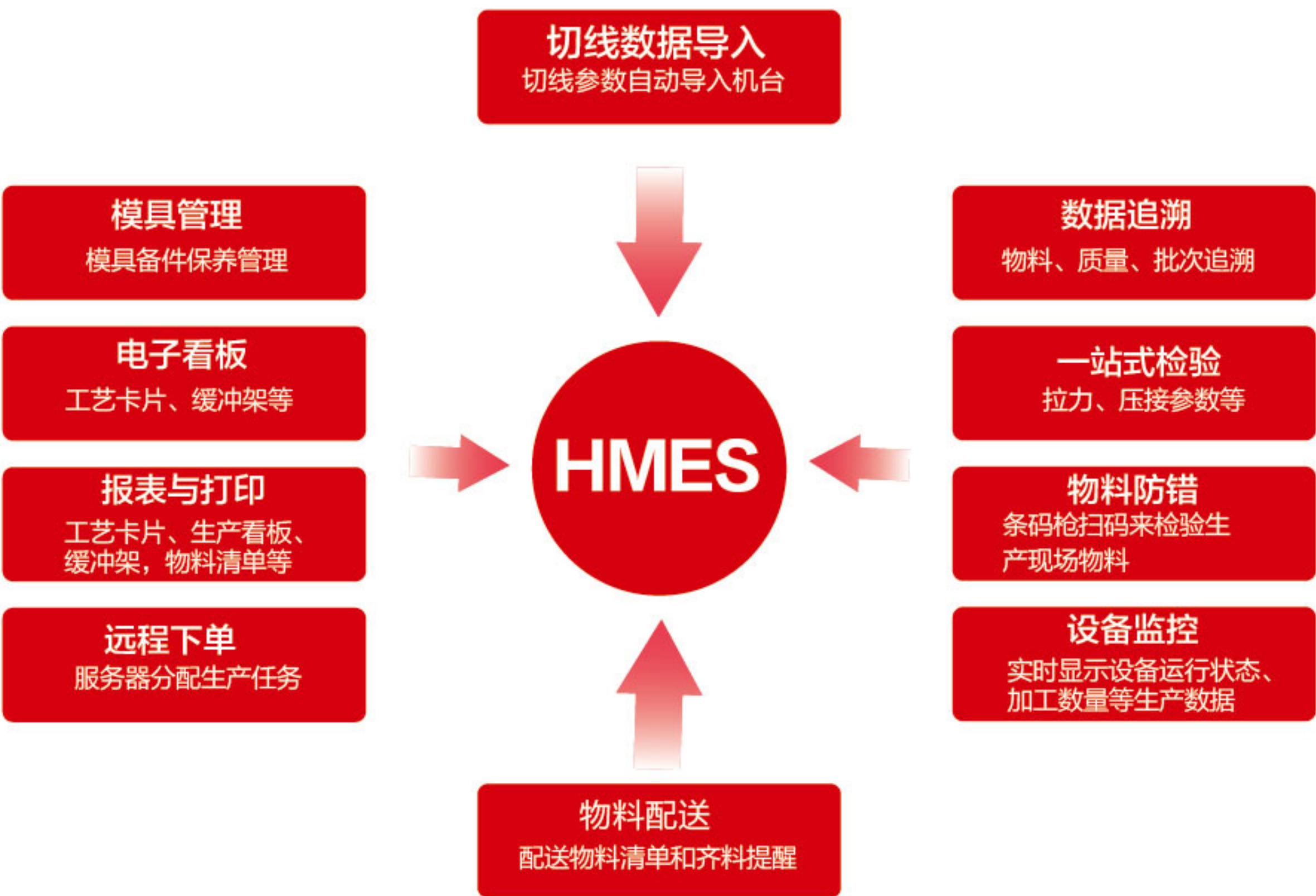
HMES(H9/H7/H5/H3) SERIES INTELLIGENT MANUFACTURING EXECUTION SYSTEM

产品介绍 Introduction

凭借海昌30余年设备开发制造经验，针对“线束、注塑、机加工、冲压”行业，我们分别成功开发HMES-H9、HMES-H7、HMES-H5、HMES-H3智造信息系统。HMES-H9是一个涵盖线束工艺管理和线束生产的制造执行系统，旨在为客户提供从工艺管理到线束生产全过程的信息一体化解决方案。其中看板自动高效合并、自动出工艺卡片、切线和压接参数自动导入设备，电子看板拉动生产，压接模具易损件的保养提醒等特色功能可以大大提高生产效率和信息化管理水平。此外本系统能够实时记录现场生产和产品质量数据，保证生产和质量双重追溯，同时为管理者对生产现场进行有效管理提供支持。

With more than 30 years of equipment development and manufacturing experience, we have successfully developed HMES-H9, HMES-H7, HMES-H5 and HMES-H3 Intelligent manufacturing execution system separately for the "wire harness, injection molding, machining and stamping" industries. HMES-H9 Manufacturing Execution System is an integrated solution, which covers harness production and process management. The features such as high efficient auto-merge of Kanban, automatic generation of the process card, automatic import of the data of the cutting and stripping, maintenance notice of spare parts greatly enhance the product efficiency and the level of the informatization management. In addition, the real time record for the data of production and product quality makes it easy to track the production and quality and meanwhile offers a good support for the effective management of the production.

功能 Function



电子看板

实现现场无纸化办公

物料防错

采用电子设备收集数据

一站式检验

快捷集中的压接参数检验

设备监控

及时了解设备运行情况

报表与打印

一键单独或批量打印报表和标签

模具管理

模具实时配送

远程下单

简化工作流程

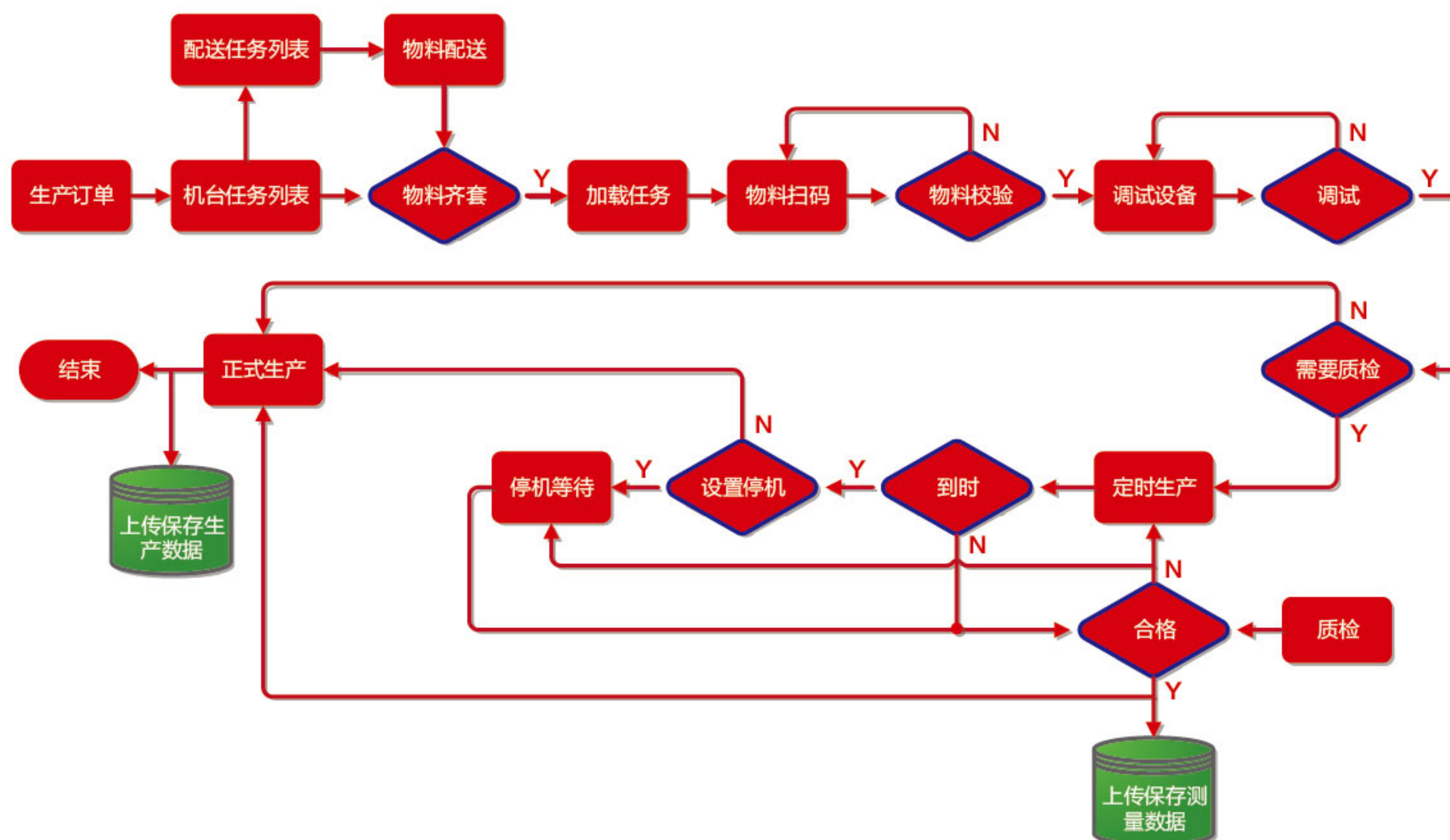
物料配送

实现现场物料实时配送

半成品线架管理

手持终端扫描进行上下架和盘点

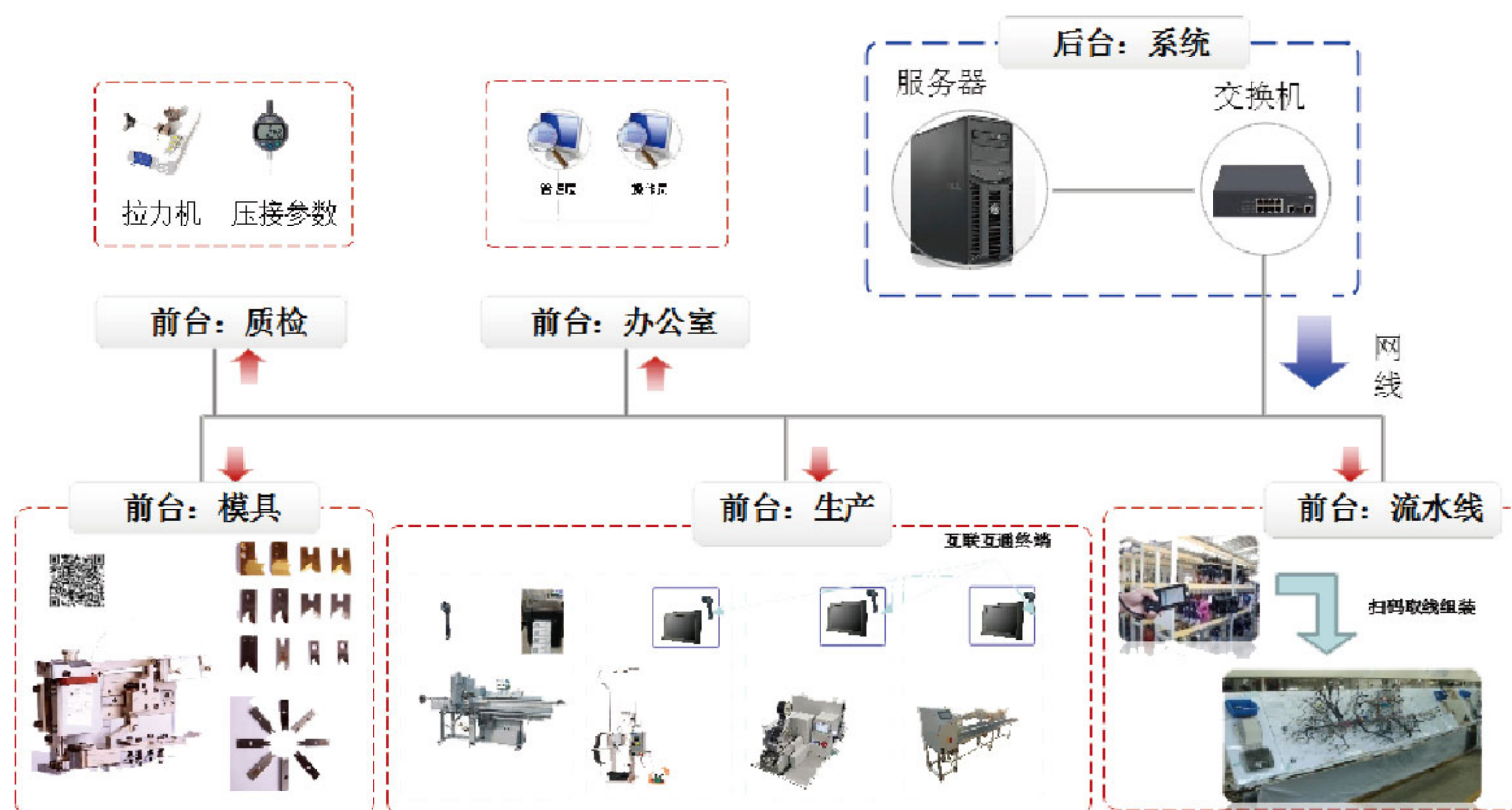
生产控制流程 Production control flow



硬件架构 Hardware structure

HMES是一个由自动压接机、半自动压接机、绞线机等生产设备，拉力试验机、千分尺、高度仪等测量设备、压接模具管理端计算机和数据管理端计算机等组成的可实现设备互联互通数据共享的网络系统。

HMES is a data sharing network which connects the production equipment (like fully automatic crimping machine, semi-automatic crimping machine, twisting machine, etc.), the measuring equipment (Like the pull tester, micrometer and height gauge, etc.), computers of applicators management and computers of data management together and realize the devices communication between each other.



HBQ-802E 型全自动下线压接机

HBQ-802E FULLY AUTOMATIC CRIMPING MACHINE



产品介绍 Introduction

HBQ-802E 型全自动下线压接机，采用多工位开放平台，搭载独特的驱动系统，并使用高速控制技术和高刚性的驱动机构，是具有高水准处理能力和高加工精度的优良机型。

操作方面开发出电脑控制的操作系统，人性化的操作界面浅显易懂，易学易用。还可选配防水栓穿入单元和数字式压接工作站，以满足汽车、电子线束的各种加工需求。作为一款久经市场考验的国产机型，HBQ-802E 所拥有的性价比优势，使得全自动线束加工的入门经济化。

HBQ-802E fully automatic crimping machine, equipped with multi-station platform, special drive system, high speed control technology and high rigidity drive mechanism, is the excellent machine of high-level processing accuracy. Operation controlled by computer system, friendly operating interface and easy to learn and use. With options of seals loading module and digital crimping module, to meet the various needs of automobile & electronic wiring harness processing. As a domestic machine that has been popular and reliable in the market for a long time, the cost-effective advantage of HBQ-802E makes the wire processing more economic.

功能 Function

定长裁切
Cutting



全 剥
Full stripping



半 剥
Half stripping



单端压接
Crimping for one end



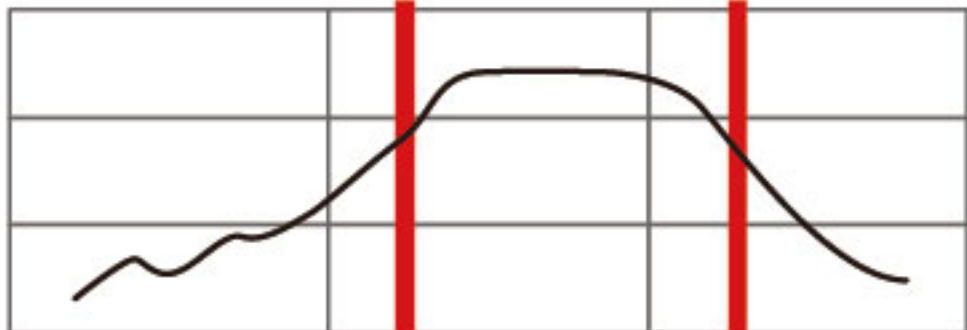
两端压接
crimping



两端穿栓
Seal loading



压力监视
Crimp force
monitoring



其他功能 Other functions

定长裁切 Cut to length 半剥 Half strip 全剥 Full strip 双端压接 Crimp to crimp 防水栓穿入 Seal loading 喷墨印字 Inkjet marking 端子压接高度测量 Crimping height measuring 端子拉拔力检测 Pull force testing 料带切断 terminal strip cutting 纸带收集 paper winder 气动延时送料 pneumatic delay feed 成品自动收集 automatic collection crimped wires 不良品处理（选配压力管理） defectives treating(Matching CFM) 局域网连接 Networking 生产管理系统 HMES

特性 Features

- 机身以有清洁感的工业灰色为基调，整体结构简洁大方；
- 采用带挡边输送皮带，在防止皮带跑偏的同时还防止导线滑落；
- 导线的切断、剥头一步完成，高效省时；
- 前后端采用旋转摆臂结构，效率更高；
- 采用柔性送线系统，在保护电线不受损伤的同时，又保证了送线长度的精确；
- 搭载的嵌入式压力管理装置可实时监控产品质量，出现不良产品自动报警、自动剪断；
- 友好的pc机界面，更加直观的图形画面提高了可视性和操作性。

- The machine takes the commercial gray as the basic color, the overall structure is simple and generous;
- A wall conveyor belt can prevent the belt deviating, at the same time, also can help for preventing the wires falling.
- The cut-off and stripping can be one-step, time-saving and high efficiency;
- First and rear ends adopt the rotating arm structure, higher efficiency;
- Flexibility feeding system for high accuracy of feeding length and protecting wires from damage;;
- The Crimping Force Monitor(CFM) loaded can monitor product quality in real time ,and can alarm and cut off (this function is optional) automatically if degraded products come up;
- Friendly PC interface and more direct-viewing graph pictures enhance the visibility and operation.

技术参数 Specifications

型 号	Type	HBQ-802E
长度范围	Cutting Length	60~20000mm
长度精度	Cutting Accuracy	L<500mm : ± 1mm ;L> 500mm : ± (1mm+0.2%*L)
剥皮长度	Stripping Length	0.1~18mm ,side 1;0.1~15mm ,side 2
线径范围	Wire Cross Sections	0.22~3mm²(AWG24~AWG12)
送线速度	Wire Feeding Speed	8.0 m/s(max)
噪音水平	Noise Level	<75dB(W ithoutcrim ping)
气 源	Air Supply	0.5~0.6MPa
耗 气 量	Air Consumption	5.5~10m³/h
环境温度	Temperature	-5~40℃
压 力	Crimp Force	20kN
压接行程	Stoke	30mm (40mm Optional)
电 源	Power Supply	AC380V/50Hz/3kW
尺 寸	Dimensions	L3720 × W1230 × H1875mm （含两米收线器 Including 2m wire deposit unit）
重 量	Weight	1000kg
选配件	Optional Accessories	FSA-001 防水栓工作站 FSA-001 seal loading module HBQ-804-03A 型预送线器 Wire Pre-feeder 伺服压接机 DPS servo crimping module 防护罩 Safety cover 双进线矫直器 Double wires feeding straightener 双端子料盘旋转模块 Double terminal plate rotation module 端子压接可视模块 Visual module for crimping 收线器：4米、6米或8米 Wire deposit unit: 4m 6m or 8m

★ 某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed,although they are within cross sections,we are willing to offer samples for you if any demands.

HBQ-804 型全自动下线压接机

HBQ-804 FULLY AUTOMATIC CRIMPING MACHINE



产品介绍 Introduction

HBQ-804 型全自动下线压接机采用五工位开放平台，搭载独特的驱动系统，并使用高速控制技术和高刚性的驱动机构，是具有高水准处理能力和高加工精度的优良机型。操作方面开发出电脑控制的操作系统，人性化操作界面浅显易懂，易学易用。还可以选配防水栓穿入单元和数字式压接工作站，以满足汽车、电子线束的各种加工需求。

HBQ-804 Fully Automatic Crimping Machine equipped with five Platforms, special driver system, high speed control technology and high rigidity driver mechanism, is the excellent machine of high-level processing accuracy. Operation controlled by computer system, friendly operating interface and easy to learn and use. With options of Seals Loading Machine and digital crimping workstation, to meet the various needs of automobile & electronic wiring harness processing.

功能 Function

定长裁切
Cutting



全 剥
Full stripping



半 剥
Half stripping



喷墨印字
Inkjet marking



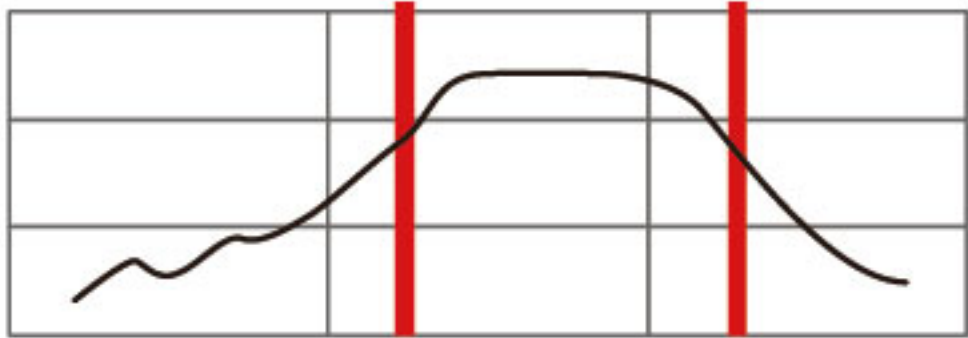
两端压接
Crimping



两端穿栓
Seal loading



压力监视
Crimp force
monitoring



其他功能 Other functions

定长裁切 Cut to length 半剥 Half strip 全剥 Full strip 双端压接 Crimp to crimp 防水栓穿入 Seal loading 喷墨印字 Inkjet marking 端子压接高度测量 Crimping height measuring 端子拉力检测 Pull force testing 端子影像检测 terminal image detection 料带切断 terminal strip cutting 纸带收集 paper winder 气动延时送料 pneumatic delay feed 成品自动收集 automatic collection crimped wires 不良品处理（选配压力管理） defectives treating(Matching CFM) 局域网连接 Networking 生产管理系统 HMES

特性 Features

- 采用带挡边的输送皮带，在防止皮带跑偏的同时还防止导线滑落；
- 导线的切断、剥头同步完成，高效省时；
- 前后端采用旋转摆臂结构，效率更高；
- 采用柔性送线系统，在保护电线不受损伤的同时，又保证了送线长度的精度；
- 搭载的嵌入式压力管理装置可实时监控产品质量，出现不良产品自动报警、自动裁剪；
- 友好的PC机界面，更加直观的图形提高了可视性和操作性。

- A wall conveyor belt can prevent the belt deviating, at the same time, also can help for preventing the wires falling;
- The cut-off and striping can be one-step, time-saving and high efficiency;
- Front and rear rotation swivel arms for higher efficiency;
- Flexibility feeding system for high accuracy of feeding length and protecting wires from damage;
- Equipped with embedded pressure management device to monitor the product quality in real time, automatic alarm for defective products and automatic cutting;
- Friendly PC interface and more direct-viewing graph pictures enhance the visibility and operation.

技术参数 Specifications

型 号	Type	HBQ-804
长度范围	Cutting Length	60~20000mm
长度精度	Cutting Accuracy	L<500mm : ± 1m m ; L> 500mm : ± (1mm+0.2% *L)
剥皮长度	Stripping Length	0.1~18mm ,side 1;0.1~15mm ,side 2
线径范围	Wire Cross Sections	0.22~5mm² (AWG24~AWG10)
送线速度	Wire Feeding Speed	12m/s(max)
噪音水平	Noise Level	<75dB
气 源	Air Supply	0.5~0.6MPa
耗 气 量	Air Consumption	6.5~10m³/h
环境温度	Temperature	-5~+40℃
压 力	Crimp Force	20kN
压接行程	Stoke	30mm (40mm Optional)
电 源	Power Supply	3x380V /50H z /3kW
尺 寸	Dimensions	L4980 × W1485 × H2183mm （含两米收线器 Including 2m wire deposit unit）
重 量	Weight	1400kg
选配件	Optional Accessories	预送线（同步带送线）Wire Prefeeder FSA-001 防水栓工作站 FSA-001 seal loading module 伺服压接机 DPS servo crimping module 变频压接机 Frequency conversion crimping machine 端子压接高度测量 Shut height measurement module 端子拉拔力检测 Terminal Pull Force detection module 端子影像检测 Terminal image detection module 安全防护罩 Safety cover 收线器：4米、6米或8米 Wire deposit unit: 4m 6m or 8m 双进线矫直器 Double wires feeding straightener 端子料盘旋转模块 Terminal plate rotation module

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some special hard and solid wire may not be able to process, even if they are shown in the cross section area. If you have any questions, we are glad to try samples for you.

HBQ-804H 型全自动下线压接机

HBQ-804H FULLY AUTOMATIC CRIMPING MACHINE



产品介绍 Introduction

HBQ-804H 型全自动下线压接机采用四工位开放平台，搭载独特的驱动系统，并使用高速控制技术和高刚性的驱动机构，是具有高水准处理能力和高加工精度的优良机型。操作方面开发出电脑控制的操作系统，人性化操作界面浅显易懂，易学易用。压接机提供充足的压压力进行大端子压接，以满足新能源线束的加工需求。

HBQ-804H Fully Automatic Crimping Machine equipped with five stations platform, special driver system, high speed control technology and high rigidity driver mechanism, is the excellent machine of high-level processing accuracy. The friendly operation software is easy to learn and use. The powerful crimp force make the crimp for big terminal very easy and meanwhile meet the processing requirements of the new energy wire harness.

功能 Function

定长裁切
Cutting



全 剥
Full stripping



半 剥
Half stripping



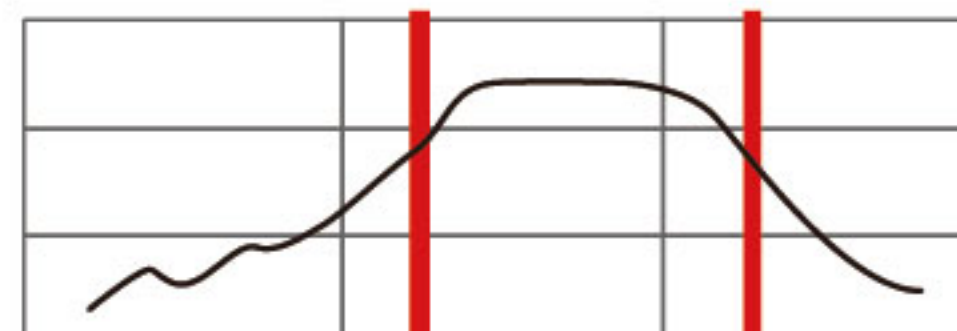
两端压接
Crimping



两端穿栓
Seal loading



压力监视
Crimp force
monitoring



喷墨印字
Inkjet marking



其他功能 Other functions

定长裁切 Cut to length 半剥 Half strip 全剥 Full strip 两端压接 Crimp to crimp 防水栓穿入 Seal loading 喷墨印字 Inkjet marking 端子压接高度测量 Crimping height measuring
料带切断 Terminal strip cutting 纸带收集 Paper winder 气动延时送料 Pneumatic delay feed 成品自动收集 Automatic collection of crimped wires 不良品处理（选配压力管理）
Defectives treating(CFM optional) 局域网连接 Networking 生产管理系统 HMES

特性 Features

- 机身以有清洁感的工业灰色为基调，整体结构简洁大方；
 - 采用带挡边的输送皮带，在防止皮带跑偏的同时还防止导线滑落；
 - 剥头采用双工位设计，可剥特殊长度；
 - 前后端采用旋转摆臂结构，效率更高；
 - 采用柔性送线系统，在保护电线不受损伤的同时，又保证了送线长度的精度；
 - 搭载的嵌入式压力管理装置可实时监控产品质量，出现不良产品自动报警、自动裁剪；
 - 友好的PC机界面，更加直观的图形提高了可视性和操作性。
- The machine takes the commercial gray as the basis color, the overall structure is simple and generous;
 - A wall conveyor belt can prevent the belt deviating, at the same time, also can help for preventing the wires falling;
 - Dual work stations for stripping special length;
 - Front and rear rotation swivel arms for higher efficiency;
 - Flexibility feeding system for high accuracy of feeding length and protecting wires from damage;
 - The Crimping Force Monitor (CFM) loaded can monitor product quality in real time, and can alarm and cut off (this function is optional) automatically if degraded products come up;
 - Friendly PC interface and more direct-viewing graph pictures enhance the visibility and operation.

技术参数 Specifications

型 号	Type	HBQ-804H
长度范围	Cutting Length	60~20000mm
长度精度	Cutting Accuracy	L<500mm : ± 1mm ;L > 500mm : ± (1mm +0.2% *L)
剥皮长度	Stripping Length	0.1~18mm ,side 1;0.1~15mm ,side 2
线径范围	Wire Cross Sections	3.0~16mm² (AWG12~AWG6)
送线速度	Wire Feeding Speed	10m /s(max)
噪音水平	Noise Level	<75dB
气 源	Air Supply	0.5~0.6MPa
耗 气 量	Air Consumption	7.5m³/h
环境温度	Temperature	-5~+40℃
压 力	Crimp Force	80kN
压接行程	Stoke	40mm Optional
电 源	Power Supply	3 × 380V/50Hz
尺 寸	Dimensions	L3925 × W 1485 × H 2183mm （含两米收线器 Including 2m wire deposit unit）
重 量	Weight	1600kg
选配件	Optional Accessories	FSA-001 防水栓工作站 FSA-001 seal loading module 端子压接高度测量 Shut height measurement module 安全防护罩 Safety cover 收线器：4米、6米或8米 Wire deposit unit: 4m 6m or 8m 端子料盘旋转模块 Terminal plate Holder rotation module

★ 某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some special hard and solid wire may not be able to process, even if they are shown in the cross section area. If you have any questions, we are glad to try samples for you.

HBQ-804P 型全自动下线压接机

HBQ-804P FULLY AUTOMATIC CRIMPING MACHINE



产品介绍 Introduction

HBQ-804P 型管式端子全自动下线压接机，是一款针对配电柜行业管式端子压接的全自动设备；具有自动下线、穿号码管、喷印字符、自动压接功能；采用多工位开放平台，搭载独特的驱动系统，完美解决现有配电柜线束加工流程繁琐、效率低等问题，是一款具有高水准处理能力及高加工精度的优良机型。

HBQ-804P Fully automatic crimping machine is specially designed for crimping tubular terminals and used for the distribution equipment industry and have the functions like automatic cutting, tubing, inkjet printing and crimping. With unique drive system and multi-station open platform, HBQ-804P perfectly solves the issues of the harness production for distribution cabinet like the cumbersome processing and low efficiency. It is an excellent model with high level of processing capacity and high processing accuracy.

功能 Function

定长裁切 Cutting		两端压接 Crimping	
全 剥 Full stripping		喷墨印字 Inkjet marking	
半 剥 Half stripping		压力监视 Crimp force monitoring	
穿号码管 Sleeve insertion			

其他功能 Other functions

定长裁切 Cut to length 单/双端半剥 single/double end half stripping 单/双端全剥single/double end stripping 单端压接 single end crimping 防水栓穿入 Seal loading 喷墨印字 Inkjet marking 端子压接高度测量 Crimping height measuring 端子拉拔力检测 Pull force testing 料带切断 Terminal strip cutting 纸带收集 Paper winder 气动延时送料Pneumatic delay feed 成品自动收集 Automatic collection of crimped wires 不良品处理(选配压力管理)Defectives treating(CFM optional) 散粒端子压接等 loose terminal crimping, etc

特性 Features

- **减人工**: 自动下线、穿号码管、喷印字符、穿管式端子、压接等功能一台机器实现，替代人工繁琐作业流程；
- **高水准**: 采用804自动机成熟平台，采用高速控制技术和高刚性的驱动机构；
- **高质量**: 送线、裁切、压接全方位自动检测；
- **易扩展**: 开放式平台，可扩展管式端子种类、链式端子功能等；
- **人性化**: 人性化布局，操作方便易懂。

- **Reduce labor**: The functions of automatic cutting, tubing, inkjet printing and crimping all in one machine which replace the laborious work process;
- **High level**: Based on the platform of HBQ-804, the machine adopts high-speed control technology and high-rigidity drive mechanism;
- **High quality**: automatic detection of wire feeding, cutting and crimping in all directions;
- **Good expandability**: Open platform for different terminal types and chain terminals;
- **Humanized**: Humanized layout, easy to operate and understand.

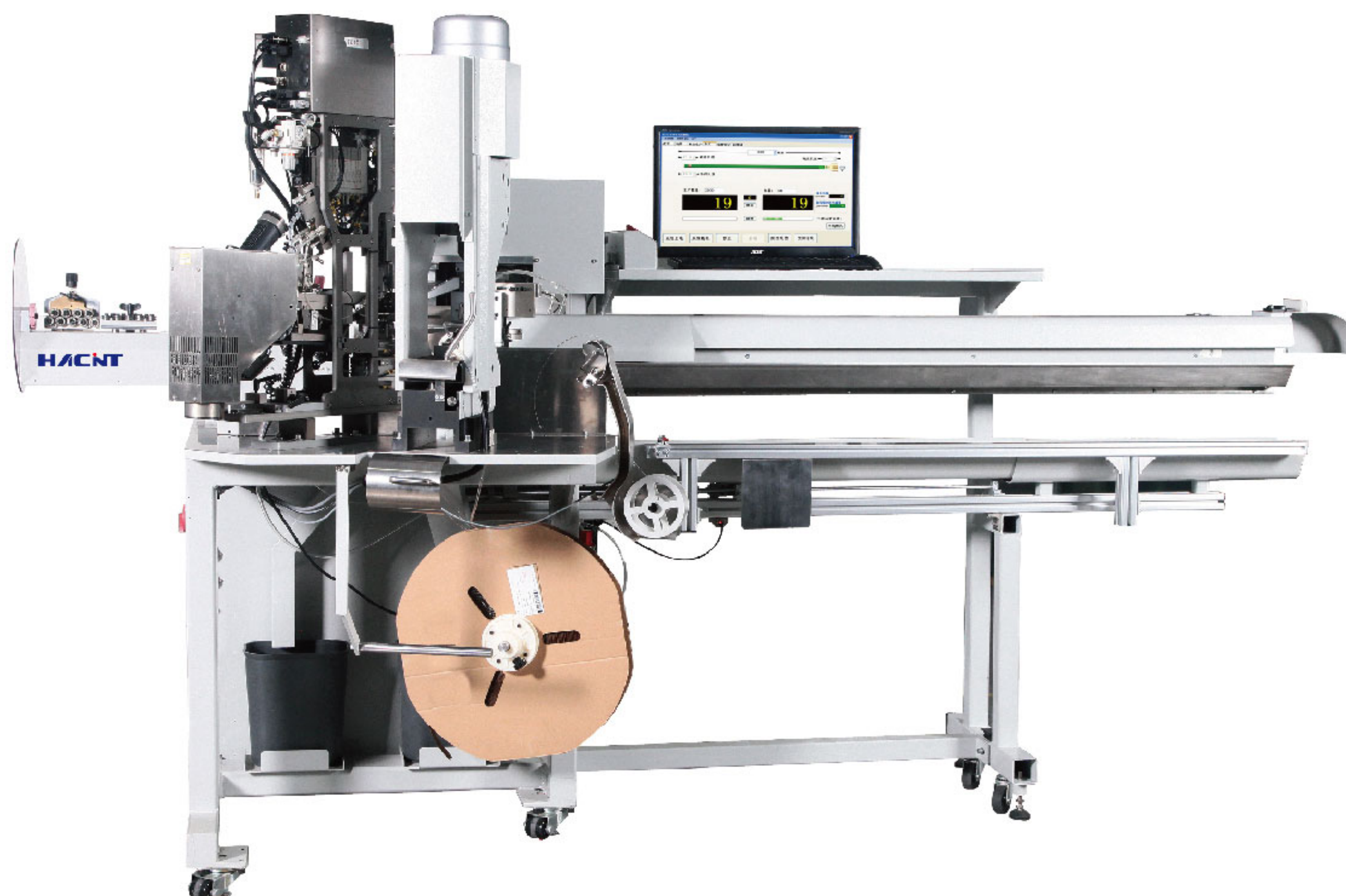
技术参数 Specifications

型 号	Type	HBQ-804P
长度范围	Cutting Length	80~20000mm
长度精度	Cutting Accuracy	L<500mm : ± 1mm ;L > 500mm : ± (1mm+0.2% *L)
剥皮长度	Stripping Length	0.1~18mm,side1 0.1~15mm,side2
线径范围	Wire Cross Sections	0.5~6.0mm²
送线速度	Wire Feeding Speed	10m/s(max)
噪音水平	Noise Level	<75dB
气 源	Air Supply	0.5~0.6MPa
环境温度	Temperature	-5~+40℃
压 力	Crimp Force	22kN
压接行程	Stoke	30mm (40mm Optional)
电 源	Power Supply	AC380V /50H z/3kW
尺 寸	Dimensions	L4980 × W1700 × H2183mm （含两米收线器 Including 2m wire deposit unit）
重 量	Weight	700kg
选配件	Optional Accessories	预送线器 Wire prefeeder 双进线 Dual wires feeding 防护罩 Safety cover 端子压接可视模块 Visual module for crimping 端子拉拔力检测 Terminal Pull Force detection module 收线器：4米、6米或8米 Wire deposit unit: 4m 6m or 8m

★ 某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some special hard and solid wire may not be able to process, even if they are shown in the cross section area. If you have any questions, we are glad to try samples for you.

HBQ-805 型全自动下线压接机

HBQ-805 FULLY AUTOMATIC CRIMPING MACHINE



产品介绍 Introduction

HBQ-805 是用于单头端子压接的经济性全自动压接机，它可以一次性完成导线单端的裁切剥皮，穿防水栓，压接，喷墨等工序。它为单头端子压接提供一种经济、高效的解决方案，提升了效率，降低了成本。

HBQ-805 is an economical fully automatic crimping machine for single-end terminal crimping. It can complete single-end cutting, stripping, sealing, crimping and inkjet marking in one process. It provides an economical and efficient solution for single-ended terminal crimping, increasing efficiency and reducing costs.

功能 Function

定长裁切
Cutting



全 剥
Full stripping



半 剥
Half stripping



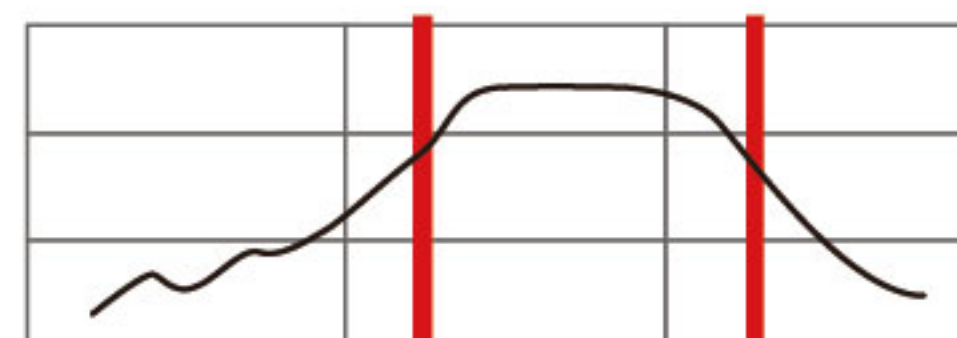
单端压接
Crimping for one end



单端穿栓
Single end seal



压力监视
Crimp force
monitoring



其他功能 Other functions

定长裁切 Cut to length 单/双端半剥 single/double end half stripping 单/双端全剥 single/double end stripping 单端压接 single end crimping 防水栓穿入 Seal loading 喷墨印字 Inkjet marking
端子压接高度测量 Crimping height measuring 端子拉力检测 Pull force testing 料带切断 Terminal strip cutting 纸带收集 Paper winder 气动延时送料 Pneumatic delay feed 成品自动收集
Automatic collection of crimped wires 不良品处理(选配压力管理) Defectives treating(CFM optional) 散粒端子压接等 loose terminal crimping, etc

特性

Features

- 颜色统一，结构简洁大方；
 - 输送皮带有防滑设计，皮带不会跑偏，导线不会滑落；
 - 导线的切断、剥头高效省时；
 - 后端采用旋转摆臂结构，提高效率；
 - 搭载的嵌入式压力管理装置可实现实时监控产品质量；
 - 友好的人机交互界面，提高了可视性和操作性；
 - 高性价比，高经济性的解决方案。
- Uniform color, simple and generous structure;
 - The conveyor belt has a non-slip design, the belt will not run off, and the wire will not slip;
 - Wire cutting and stripping are efficient and time-saving;
 - The rear end adopts a rotating swing arm structure to improve efficiency;
 - The embedded pressure management device for real-time monitoring of product quality;
 - Friendly human-computer interface for improved visibility and operability;
 - High cost-effective and economical solution.

技术参数

Specifications

型 号	Type	HBQ-805
长度范围	Cutting length	60~10000mm
长度精度	Cutting accuracy	L<500mm : ± 1mm ;L > 500mm : ± (1mm+0.2% *L)
剥皮长度	Stripping length	0.1~18mm
线径范围	Wire Cross Sections	0.22~3.0mm²
送线速度	Wire feeding speed	6m/s(max)
噪音水平	Noise level	<75dB
气 源	Air supply	0.5~0.6MPa
环境温度	Temperature	-5~40℃
压 力	Crimp force	20kN
压接行程	Stoke	30mm (40mm Optional)
电 源	Power Supply	AC380V /50H z/2kW
尺 寸	Dimensions	L3200 × W1100 × H1800mm （含两米收线器 Including 2m wire deposit unit ）
重 量	Weight	700kg
选配件	Optional accessories	FSA-001 防水栓工作站 FSA-001 seal loading module 预送线器 Wire pre-feeder 伺服压接机 DPS servo crimping module 防护罩 Safety cover 端子压接可视模块 Visual module for crimping 喷墨装置 Inkjet marking 散粒端子压接机 Loose terminal crimping machine 收线器：4米、6米或8米 Wire deposit unit: 4m 6m or 8m

★ 某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some special hard and solid wire may not be able to process, even if they are shown in the cross section area. If you have any questions, we are glad to try samples for you.

FSA-001 型防水栓工作站

FSA-001 SEAL LOADING MODULE

产品介绍 Introduction

FSA-001 型防水栓穿入单元为全自动线束加工系统提供了强有力的支持，该设备完美匹配HBQ-802/HBQ-804型全自动下线压接机，用于将防水栓安装至已剥去绝缘皮导线的末端，具有防水栓自动上料、筛选、送料、扩张、穿入功能，适用于各种防水栓。精密的防水栓定位系统确保了加工的精度，紧凑的外形结构，可靠的监控，使其成为HACINT全自动压接机的首选配置。

FSA-001 Seal Loading Machine provides strong support for automatic wire processing system, Which perfectly match to HBQ-802/HBQ-804 Fully Automatic Crimping Machine, insert seals to the end of stripped wires. With functions of automatic feeding, filtering, expanding and inserting, applicable to all kinds of seals. Precise positioning system to ensure the accurate processing, mini structure and reliable control, make its become the preferred accessory of HACINT automatic machine.

特性 Features

- 超薄机身设计，减少自动机空间的占用；
 - 多路传感器检测，保证穿入正确性，减少废品的产生；
 - 模块化设计，更换方便；
 - 完美兼容各主流自动机。
- The ultra-thin body design, reduce the space occupied by the automaton;
 - The multiple sensor detection to ensure the correctness of penetration, reduce the waste;
 - The modular design, convenient replacement;
 - Perfect match with all mainstream automatic crimping machines

技术参数 Specifications

线束外径	Wire Outer Diameter	1~5mm
防水栓尺寸	Seal Size	Height & Diameter <17mm
加工时间	Processing Time	0.17s
循环节拍	Cycle Time	0.9s
电 源	Power Supply	100~220VAC, 50H z, 200W
气 源	Air Supply	0.55~0.7kPa
尺 寸	Dimensions	L1000 × W800 × H350mm
重 量	Weight	30kg



HBQ-804-03A 型预送线器

HBQ -804-03A WIRE PRE-FEEDER

产品介绍

Introduction

HBQ-804-03A 是一种主动式预送线器，可以将导线平稳地输送至主机，以保证主机高效运行。它能够处理散装、桶装、靺装等各种包装的导线。该设备跟随主机的节奏进行同样的加减速，可以防止导线打结。

HBQ-804-03A is initiative Wire Pre-feeder, which can smoothly convey wires to the machine and ensure efficient operation. It is able to handle wires in bulk, in barrel and other kinds of packaging wires. The device can speed up and down accordingly with machine,which can prevent the wire knotted.

特性

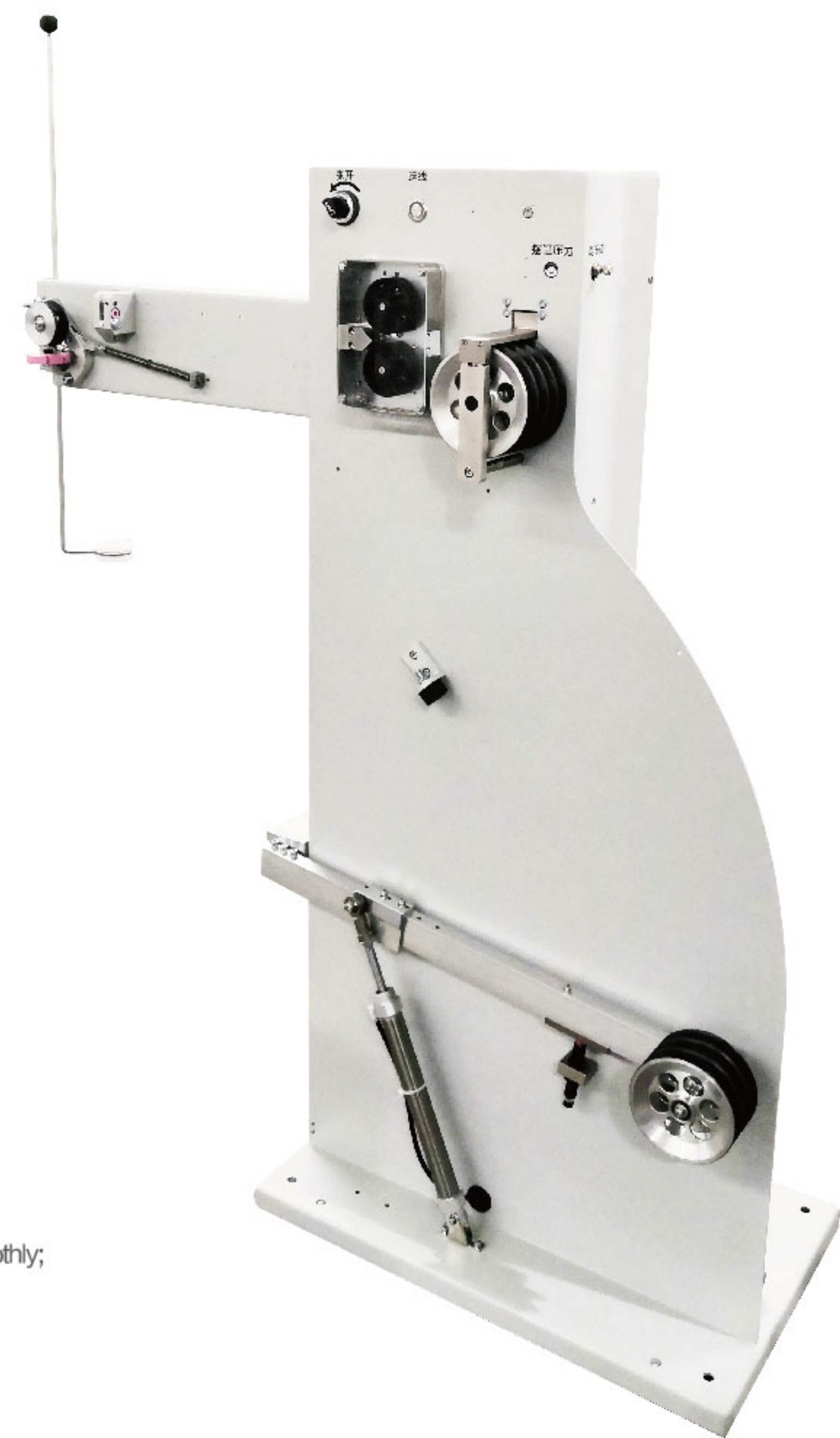
Features

- 采用伺服电机控制，无级变速，送线平稳；
 - 采用摆臂机构，从而更有效的校直、存储电线；
 - 后端带有防电线打结报警机构，有效的保护电线；
 - 可做为独立附件，与各种主流品牌自动机完美匹配。
- Controled by servo motor, variable speed control system , feeding forward smoothly;
 - With swing arm, more effective to straighten and store wire;
 - With wire knot alarm, effectively protect wires;
 - As a independent accessory, perfectly match to all leading brand machines.

技术参数

Specifications

电 源	Power Supply	AC220V/50Hz
功 率	Power	400W
送线速度	Feeding Speed	6m/s
尺 寸	Dimensions	L 1349 × W385 × H1327mm
重 量	Weight	55kg



双进线自动切换装置

DUAL WIRES FEEDING MODULE

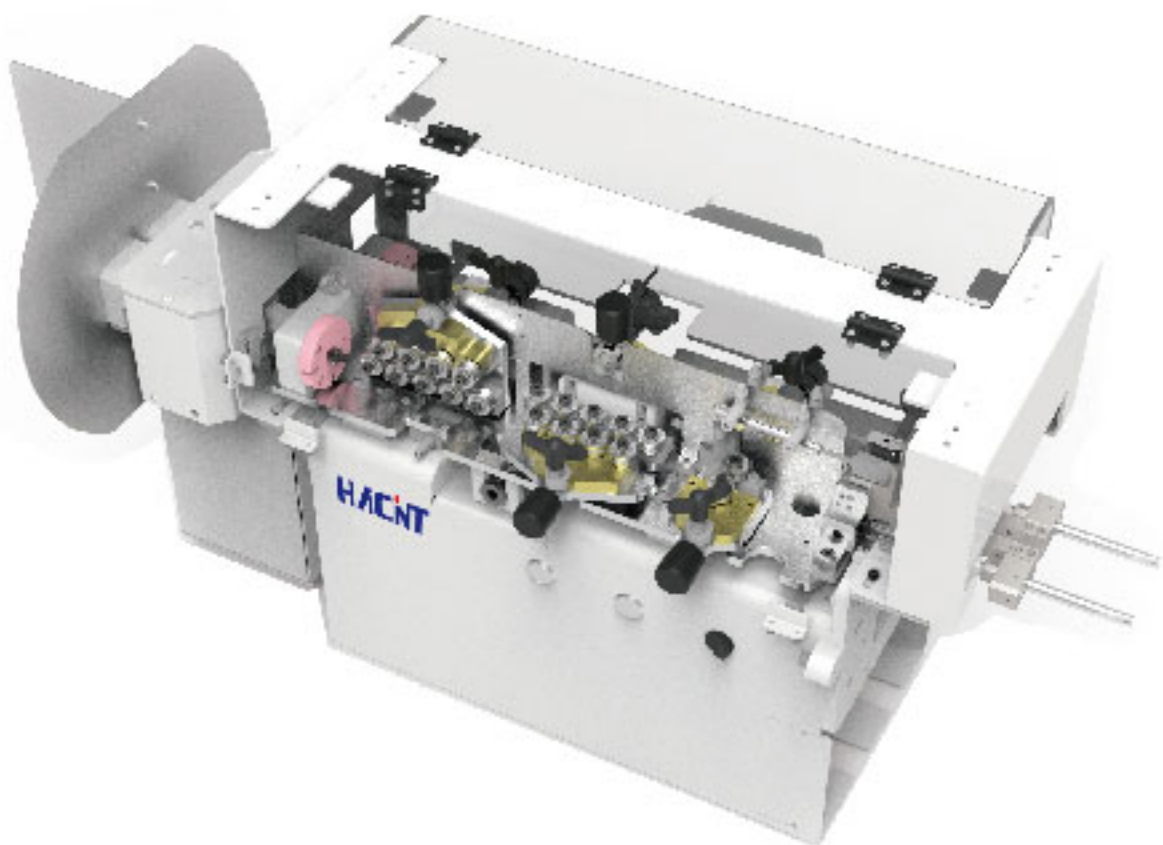
产品介绍 Introduction

该装置安装于自动机进线侧，集矫直、导向、切换功能于一体。操作员提前将下一步待生产线缆预穿至导管处，当需要换线时只需按下换线按钮即可实现预存线缆的自动切换并直接进入生产阶段。

This unit mounts at the inlet side of the wires. The functions of straightening, feeding and switching wires are all in one. The wire could be prepared during the other wire are handling. Just need to click the button to switch to another wire which is preset and begin the production directly.

特性 Feature

- 多地控制，减少操作员走动时间；
 - 报警故障灯指示，便于检修；
 - 安全防护，避免造成人身伤害；
 - 预穿线缆，提高生产效率；
 - 结构简化，缩短切换时间。
- Multiple control spots for reducing the walking time;
 - Alarm lamp indicates failures and it is convenient for repair;
 - Safety cover for avoiding any injure to the body;
 - Preset another wire for higher efficiency;
 - Simplified structure for shorter switch time.



技术参数 Specifications

电 源	Power Supply	220V
气 源	Air Supply	5-8Bar
外形尺寸	Dimensions	W850×D330×H460
重 量	Weight	90Kg

自动机快速换模装置

QUICK CHANGE MODULE

产品介绍 Introduction

该装置与自动机配套使用，其功能是自动将提前暂存的模具及端子推至压接位。操作员在生产过程中将模具及端子提前布置在一侧，待需要换模时按下换模按钮，该装置自动将正在生产中的模具解锁并拉出，然后将暂存模具自动推至压接位并锁紧，完成换型过程。

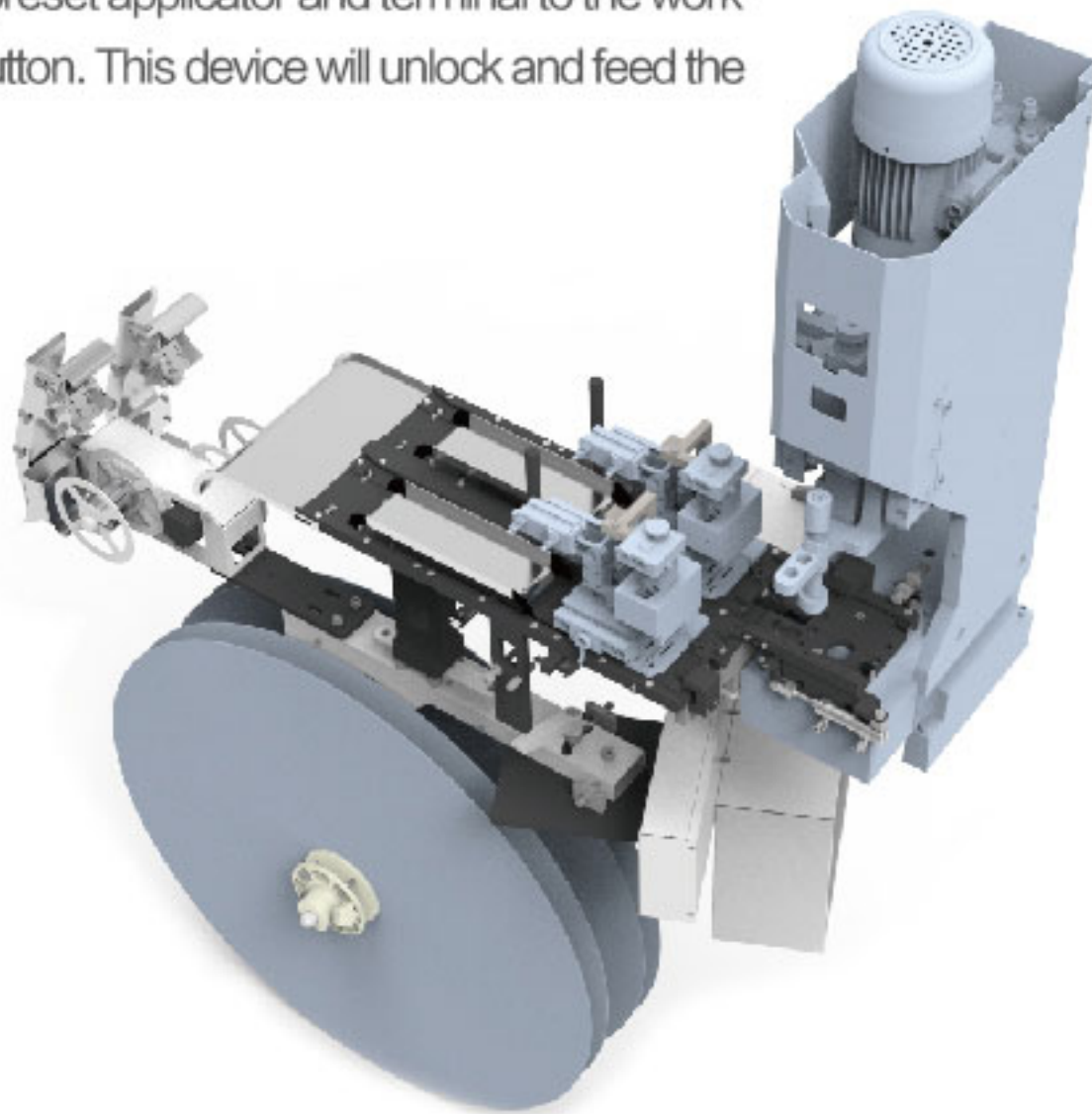
This device is used in conjunction with a fully automatic crimping machine. It could automatically feed the preset applicator and terminal to the work position. The applicator and the terminal are preset. When there is a need to use them, click the related button. This device will unlock and feed the applicator and terminal to the crimping station and lock.

特性 Feature

- 结构刚性稳定；
 - 一键切换，省时省力；
 - 多种机型可使用。
- Rigid and stable structure;
 - One key switch save a lot of time and labor;
 - Available for multiple type of machines.

技术参数 Specifications

电 源	Power Supply	220V
气 源	Air Supply	5-8Bar
重 量	Weight	120kg



图片中含有非此装置的部件
The picture contains parts that are not of this device

CVIS100 端子缺陷检测系统

CVIS100 VISUAL INSPECTION SYSTEM

产品介绍 Introduction

端子缺陷检测系统是一种用于检测压接后接线端子外观缺陷的测量设备，能够发现压力检测设备无法检出的压接缺陷。在模具压接端子后，机械臂输送端子行程中通过光感设备触发相机拍照，通过图像算法检测到不正常的压接缺陷。大大提高了端子质量缺陷检测的准确性，避免产生压接不良。

Visual inspection system is an equipment designed to inspect the appearance of defectives of the crimp terminals and it can inspect the defectives which can't be detected by CFM. The camera will snap the crimped terminals when the swivel arms pass by and then the visual inspection system will detect the defective terminals by image analysis, which will increase the precision of the quality control substantially of the terminals and avoid defectives to the utmost.

特性 Features

外形小巧，结构紧凑，通过数据采集卡传输图像在电脑端判定，性能稳定可靠；
界面清晰直观，数据一目了然，操作简便；
参数可调，通过设定公差匹配度能够适应各种端子。

Small size, compact structure and reliable performance through image judge on the computer.
Clear interface, legible data and easy operation.
The parameters are adjustable and can be applied to various terminals by setting the tolerances.

功能 Function

- **自动感应:** 设定好光感参数后，在生产过程中自动拍照，拍照机制运行稳定；
- **定制学习:** 通过良好端子图像进行学习，不同端子有独立的解决方案，已保存的方案可直接调用；
- **采集通道:** 双端压接端子图像独立采集判断，不会发生冲突；
- **数据处理:** 可按设置保存正常图像、异常图像，方便质量检测图片追溯；
- **数据通讯:** 与生产控制逻辑有稳定通讯协议，一旦发现压接质量异常会停止生产，将异常压接检出。
- **Automated inducting:** Automatic and stable snap in production after the light sensation parameters;
- **Customized learn:** Separate solutions for different terminals by a good learn of the terminals and direct call of the cases saved;
- **Collection channel:** Separate image collection and judge of both terminal ends without conflict;
- **Data processing:** Saving good and bad images for tracing back;
- **Data communication:** Stable communication with production control and instant stop of production once abnormal crimped terminals is found.



技术参数 Specifications

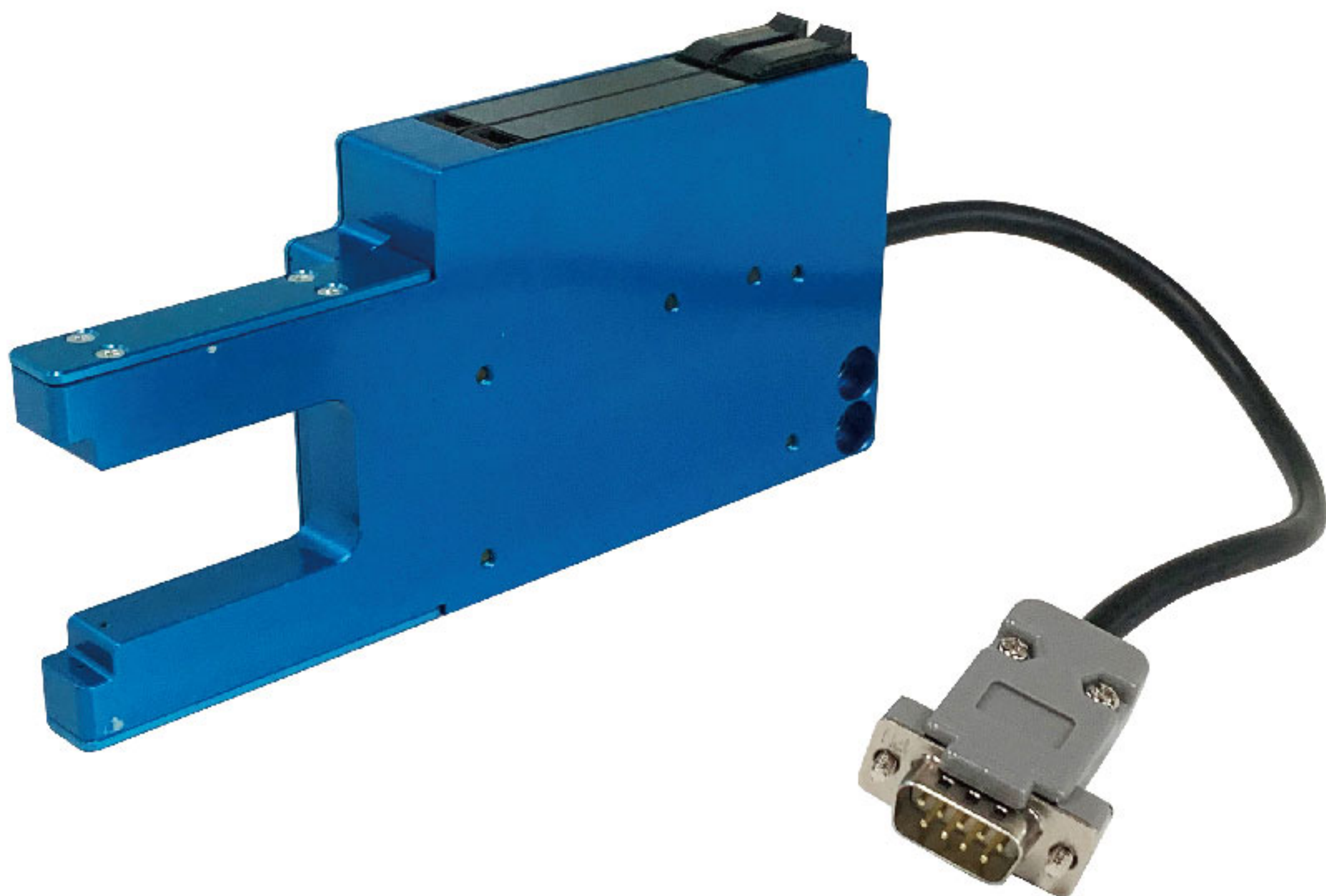
判定时间 Judge Time	<100ms	端子通过速度 Pass Vel speed	3m/s
快门速度 Snap Speed	1/60000s (17 μ s)	曝光时间 Exposure time	<0.02ms
误检率Failure Rate	0.10%	闪光灯发光时间 Lighting time	1ms
照相机像素 Pixel	彩色30万像素	保存品种数 Save types number	无上限 unlimited

★ 相关产品 Related Products

HBQ-804 全自动压接机 HBQ-804 Fully Automatic Crimping Machine

HBQ-054 剥皮及穿栓检测系统

HBQ-054 STRIPPING&SEALING DETECTION SYSTEM



产品介绍 Introduction

HBQ-054 剥皮及穿栓检测系统是一款具有在线检测剥皮及穿栓状态的检测系统。该系统通过与良品的比对测量，挑出未剥皮、剥皮刀完全剪断铜线、无防水栓等不良品，从而有效避免压接过程产生的无芯线、无防水栓压接的情形。此系统是对压力管理CFM的有效补充，降低不良品流出风险。

HBQ-054 can detect the stripping and sealing situations online. It picks out the not stripping, short copper wire completely cut, without seal and others defective products by measuring with good ones, so then it can avoid without core wire, without seals during the crimping process. It can highly reduce the defective products by working with CFM.

特性 Features

- 外观精致，内部结构紧凑，采用嵌入式控制，性能稳定可靠；
- 采用上位机软件进行参数设置，数据显示，数据保存，数据可以追溯；
- 输入输出采用双向设计，兼容NPN和PNP；
- 可以支持单线模式，双线模式(双线间距大于1mm)。

Delicacy appearance, compact internal structure, embedded control, stable and reliable performance;
Adopts upper computer software for parameter setting, data display, data storage, data can be traced;
Input and output adopt bidirectional design, compatible with NPN and PNP;
Support single and double line mode (double line spacing is greater than 1mm).

技术参数 Specifications

尺寸 Dimensions	155mm × 70mm × 22mm	放大器响应 Amplifier	小于60us
电源 Power Supply	24VDC	最小线径 Min Diameter	0.25mm ²
功率 Power	2W	通信接口 Communication Interface	RS232
采样频率 Frequency	80Khz	IO接口 Io Interface	两路双向输入，两路双向输出； two-way input & output;

HBQ-2030JB/2040EB 型端子压接机

HBQ-2030JB/2040EB CRIMPING MACHINE

产品介绍

Introduction

- 精：

封闭高度连续可调，精度可达0.03mm；
- 快：

匹配各式模具，更换方便快捷；
- 稳：

传动结构简单，运转稳定可靠；
- 省：

只在压接瞬间做功，节省电能；
- 静：

低噪音设计，适合家庭作业；
- 安：

独特的过载保护功能，确保操作安全。

● Precise:

Crimping height can be adjusted continuously ,with tolearance accurately to 0.03mm;

● Quick :

Match to all kinds of applicators , quick and convenient change;

● Stable:

Simple structure, stable & reliable operation;

● Economical :

Do work at crimp instant only and save energy;

● Quiet :

Low noise, suitable for home basis production;

● Safe :

Special over-load protection, operate in safety.

• HBQ-2030JB

技术参数

Specifications

型 号	Type	HBQ-2030JB	HBQ-2040EB
行 程	Stroke	30mm	40mm
公称压力	Crimp Force	20kN	
封闭高度	Shut height	119.7mm	135.78mm
重 量	Weight	75kg	
线径范围	Wire Cross Sections	0-4mm ²	

调整量	Adjusting range	10mm	6mm
尺 寸	Dimensions	L325 × W280 × H690mm	
冲程数	Stroke per minute	160s.p.m (高速200s.p.m)	
电 源	Power Supply	AC220V/50Hz	
功 率	Power	750W	

★ 某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed. although they are within cross sections. we are willing to offer samples for you if any demands.

★ 相关产品

Related Products

- HBQ-2030JB相关产品
- XAS4/AE4型压接模具
- XS4/E4型压接模具
- YJM-4XA/100A型压接模具
- HBQ-2040EB相关产品
- YJM-AFS300B/AFE300B型压接模具
- YJM-S300A/E300A型压接模具
- 其它相关产品
- 闭合高度仪
- 气动换向模块
- 多功能压接工作桌
- 自动卷纸器
- 不良品切断模块
- 剥线模块
- 压力管理装置

- Related Products for HBQ-2030JB
- XAS4/AE4 Crimping Applicator
- XS4/E4 Crimping Applicator
- YJM-4XA/100A Crimping Applicator
- Related Products for HBQ-2040EB
- YJM-AFS300B/AFE300B Crimping Applicator
- YJM-S300A/E300A Crimping Applicator
- Other Related Products
- Shut Height Gauge
- Pneumatic Changing Module
- Multi-function Crimping Work Table
- Paper Winder
- Bad Crimp Cutter
- Stripping Module
- CFM

HBQ-X4030JB/X4040EB/8030J/8040E 型端子压接机

HBQ-X4030JB/X4040EB/8030J/8040E CRIMPING MACHINE

产品介绍 Introduction

- **精**: 封闭高度连续可调, 精度可达0.03mm;
 - **快**: 匹配各式模具, 更换方便快捷;
 - **稳**: 传动结构简单, 运转稳定可靠;
 - **省**: 只在压接瞬间做功, 节省电能;
 - **静**: 低噪音设计, 适合家庭作业;
 - **安**: 独特的过载保护功能, 确保操作安全。
- **Precise**: Crimping height can be adjusted continuously ,with tolearance accurately to 0.03mm;
 - **Quick**: Match to all kinds of applicators , quick and convenient change;
 - **Stable**: Simple structure, stable & reliable operation;
 - **Economical**: Do work at crimp instant only and save energy;
 - **Quiet**: Low noise, suitable for home basis production;
 - **Safe**: Special over-load protection, operate in safety.



技术参数 Specifications

型 号	Type	HBQ-X4030JB	HBQ-X4040EB	HBQ-8030J	HBQ-8040E
行 程	Stroke	30mm	40mm	30mm	40mm
封闭高度	Shut Height	119.7mm	135.78mm	119.7mm	135.78mm/192mm +10mm (stamping)
调 整 量	Adjusting Range	10mm	2mm	10mm	2mm
公称压力	Crimp Force	40kN		80kN	
线径范围	Wire Cross Sections	0~8mm²		0~16mm²	
重 量	Weight	105kg		200kg	
尺 寸	Dimensions	L360 × W300 × H890mm		L430 × W360 × H1030mm	
冲 程 数	Stroke Per Minute	160s.p.m		80s.p.m	
电 源	Power Supply	AC220V /50Hz		AC380V /50Hz	
功 率	Power	1.5kW		3kW	

★某些特别坚硬且坚固的线束可能不能进行处理, 即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed. although they are within cross sections. we are willing to offer samples for you if any demands.

★ 相关产品 Related Products

HBQ-X4030JB相关产品

XAS4/AE4型压接模具
XS4/ E4型压接模具
YJM-4XA/100A型压接模具

HBQ-X4040EB相关产品

YJM-AFS300B/AFE300B型压接模具
YJM-S300A/E300A型压接模具

HBQ-8030J/8040E相关产品

YJM-AFS300B/AFE300B型压接模具
YJM-S300A/E300A型压接模具
电瓶端子压接模具
重载压接模具

Related Products for HBQ-X4030JB

XAS4/AE4 Crimping Applicator
XS4/ E4 Crimping Applicator
YJM-4XA/100A Crimping Applicator

Related Products for HBQ-X4040EB

YJM-AFS300B/AFE300B Crimping Applicator
YJM-S300A/E300A Crimping Applicator

Related Products for HBQ-8030J/8040E

YJM-AFS300B/AFE300B Crimping Applicator
YJM-S300A/E300A Crimping Applicator
Battery Crimping Applicator
Heavy Duty Crimping Applicator

其它相关产品

闭合高度仪
气动换向模块
多功能压接工作桌
自动卷纸器
不良品切断模块
剥线模块
压力管理装置

Other Related Products

Shut Height Gauge
Pneumatic Changing module
Multi-function Crimping Work Table
Paper Winder
Bad Crimp Cutter
Stripping Module
CFM

HBQ-160 多功能压接机

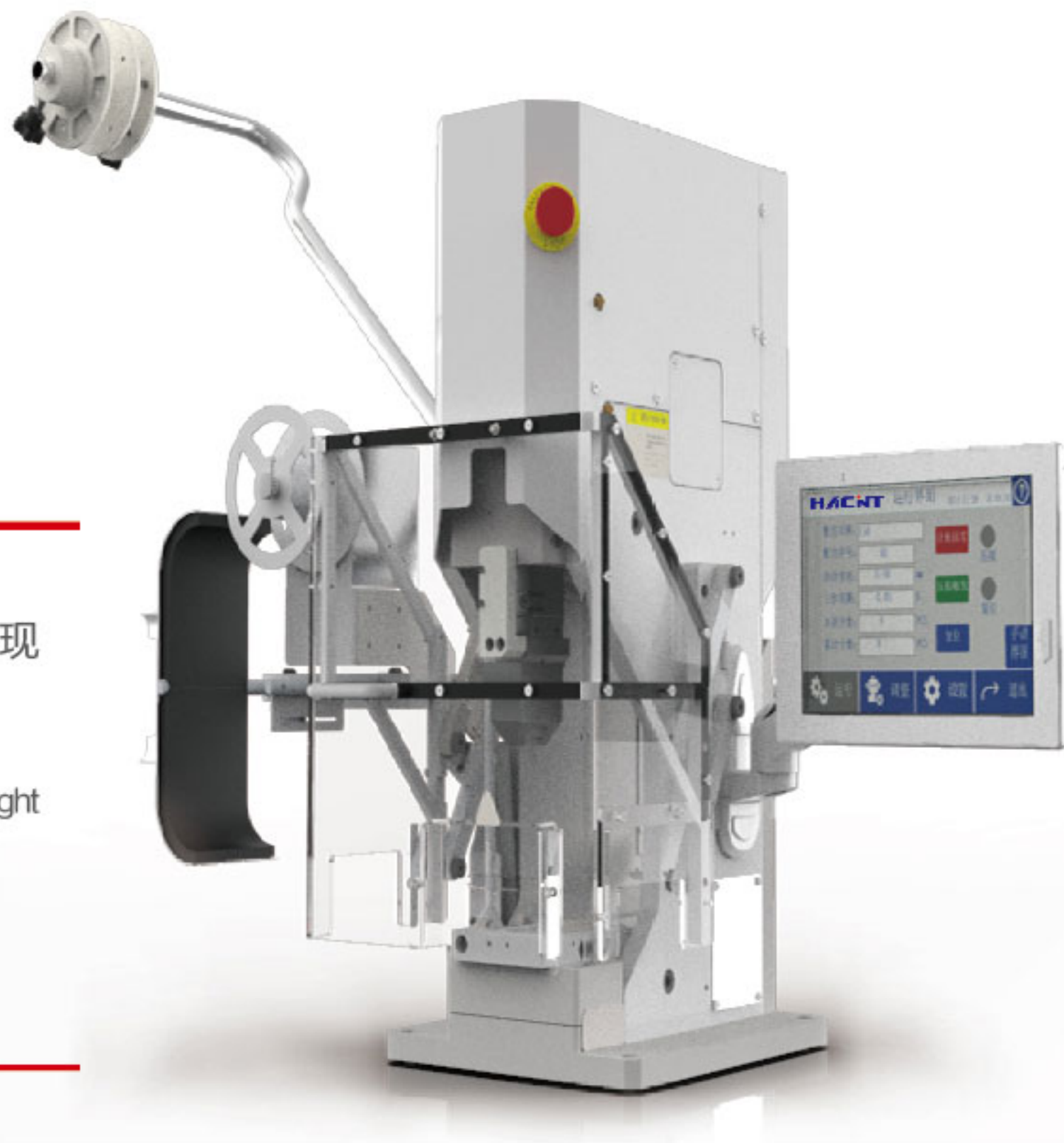
HBQ-160 MULTI-FUNCTION CRIMPING MACHINE

产品介绍

Introduction

HBQ-160 型多功能压接机是海昌公司研发的新一代伺服压接机。可实现压接高度自动调整、压接速度自由设置，以满足更多的压接工艺需求。

HBQ-160 crimping machine is a newly developed servo crimping machine. The crimping height and crimping speed are adjustable to meet different process requirements.



特性

Features

- **稳定:**
传动结构简单; 运行平稳可靠;
无键连接, 不易磨损, 设备使用寿命长;
- **高效:**
压接高度参数随时调用, 实现快速换模;
压接速度可调, 满足不同的压接需求;
10寸工业级工控机屏, 界面美观,操作简单;
- **高品质:**
独特伺服电机板卡驱动, 控制更精准;
压接高度微调量 $\pm 2\text{mm}$;
- **适配性:**
可选配联网模式, 与MES全面对接, 可进行各种数据的交互;
可选配料带切断模块、不良品切断模块、压力监测等模块。

- **Stability:**
Simple transmission structure for running stably;
Adopt the keyless connection, to ensure the wear-resisting and longer service life;
- **High efficiency:**
The crimping height is adjustable freely to realize the short changeover;
Adjustable crimping speed to meet different requirements;
Easy to operate with a color touch screen;
- **High quality:**
Adopting the Servo Motor Drive Board for being more precise;
Adjustment range of the crimping height is within $\pm 2\text{mm}$;
- **Optional modules:**
Optional networked function is seamlessly connected to MES, which sends production data and receives feedback information;
Optional carrier strip chopper, optional bad crimp cutter, CFM and other options.

技术参数

Specifications

型 号	Type	HBQ-160J	HBQ-160E	微 调 量	Adjustable Crimp Height	$\pm 2\text{mm}$
行 程	Pressure	30mm	40mm	线径范围	Wire Cross Sections	0~6mm ²
封闭高度	Stroke	119.7mm	135.78mm	电 源	Power Supply	AC220V 50Hz
公称压力	Crimp Force	25kN		气 源	Air Supply	0.5~0.7MPa
电机功率	Adjusting Scale	1.8kW		重 量	Weight	138kg
运行周期	Cycle Time	最短250ms		尺 寸	Dimensions	L1080 × W590 × H870mm

★某些特别坚硬且坚固的线束可能不能进行处理, 即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections. we are willing to offer samples for you if any demands.

HBQ-X4030JSI/X4040ESI/8030JSI/8040ESI 网络压接机

HBQ-X4030JSI/X4040ESI/8030JSI/8040ESI NETWORK CRIMPING MACHINE

产品介绍 Introduction

HBQ-X4030JSI/X4040ESI/8030JSI/8040ESI 型网络压接机是海昌公司研发的新一代半自动压接设备。设备与MES数据库无缝对接，实现高效生产。

HBQ-X4030JSI/X4040ESI /8030JSI/8040ESI is the new generation crimping machine, which could network with MES and adjust the crimping height automatically.

特性 Features

● 节能

变频驱动，节约电量；
运动平稳，无磨损、无噪音；
过载电路保护确保操作安全，避免损坏电机。

● 高效

封闭高度参数随时调用，实现快速换模；
单机模式、联网模式可满足不同客户需求；
一键扫码录入原材料信息，读取数据库信息并调用；
远程下单排产，提高生产效率；
模具日常管理，统计模具压接次数及超限报警提醒。

● 高品质

微调量±2mm 精度±0.01mm；
伺服抱闸制动保证压接过程高度的稳定可靠；
10寸工业级触摸屏操作灵敏；
体积小，占地面积小。可直接放置于工作台面使用。

● 适配性

可选配卷纸器、料带切断模块、气动送料模块、防护罩等配件。

● Energy efficiency

Driven by frequency conversion, save electricity;
Smooth movement, no wear, no noise;
Overload circuit protection to ensure safe operation, avoid damage to the motor.

● High Efficiency

Shut height parameters are called at any time to achieve fast mold change;
Offline and online mode can meet different customer needs;
One key scan code input raw material information, read database information and call out;
Remote control production, improve production efficiency;
Daily management of applicator, counting the times of pressing and over-limit alarm reminder.

● High Quality

Resolution range ±2mm, precision ±0.01mm;
Servo lock brake ensures the high stability and reliability during the pressing process;
Sensitive operation with 10inches industrial touch screen;
Small size, small occupation. Can be placed directly on the work table.

● Suitability

Optional winding device, carrier cutting module, pneumatic feeding module, safety cover and other accessories.



技术参数 Specifications

型 号	Type	HBQ-X4030JSI	HBQ-X4040ESI	HBQ-8030JSI	HBQ-8040ESI
行 程	Stroke	30mm	40mm	30mm	40mm
公称压力	Crimp Force	40kN		80kN	
封闭高度	Shut height	119.7mm	135.78mm	119.7mm	135.78mm
重 量	Weight	105kg		205kg	
线径范围	Wire Cross Sections	0~8mm²		0~16mm²	
高度调整量	Height adjusting range	±2mm		±2mm	
尺 寸	Dimensions	L360×W300×H890mm		L430 X W450 X H1030(mm)	
冲程数	Stroke per minute	160s.p.m		80s.p.m	
电 源	Power Supply	AC220V /50Hz		AC380V/50Hz	
功 率	Power	1.5kW		3.0kW	

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections. we are willing to offer samples for you if any demands.

HBQ-P20/P30 型压接机

HBQ-P20/P30 CRIMPING MACHINE

产品介绍

Introduction

HBQ-P20/P30 是一款重载压接机，可完成50mm²甚至更大截面导线的压接。通过安全光栅、双手按钮等安全器件，时刻保证操作者的安全。点动盘车、反向旋转等功能又可使模具调整更加方便，是传统冲床的理想替代产品。另有各种重载模具可供配套使用。

HBQ-P20/P30 is a heavy load machine, can crimp wires of 50mm² or even larger sizes. With safety devices, such as the security light curtains and 2 hands button, to ensure operator safety at all times. Inching turning, reverse rotation and other functions can make the adjustment more convenient, it is the right product to replace the traditional punching. Varieties of heavy duty applicators can be optional accessories.

特性

Features

- 本产品通过变频控制，可根据客户不同需求改变压接速度；
 - 可实现快慢速压接，压力恒转矩；
 - 压接精度高，微调精度0.05mm，无需工具，操作方便；
 - 产品安装了双手按钮，另外可选配安全光栅保护装置，充分考虑了人 机工程，时刻保护人身安全；
 - 产品具有声光报警功能，突出安全重要性；
 - 产品可实现低速盘车功能，减少操作者的体力劳动，方便模具的调整。
- The product through frequency control according to the different needs of customers change pressing speed;
 - Can realize fast slow contact pressure of constant torque;
 - High crimping precision 0.05mm, no tools required for convenient operation;
 - Product hands button, another optional security grating protection device, give full consideration to the man-machine engineering, moments of personal safety protection;
 - With sound and light alarm Function, focus on the importance of safety;
 - With low speed jog function, it's labor saving and convenient to adjust applicators.

技术参数

Specifications

型 号	Type	HBQ-P20	HBQ-P30	行程次数	Stroke Per Minute	45s.p.m	25s.p.m
公称压力	Crimp Force	200kN	300kN	电 源	Power Supply	AC380V/50Hz	
滑块行程	Stroke	50mm		功 率	Power	7.5kW	
闭合高度	Shut Height	202mm /197.5mm		重 量	Weight	900kg	
闭合高度调整量	Shut Height Adjusting Scale	15mm		尺 寸	Dimensions	L900XW1100XH1800mm	

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed. although they are within cross sections. we are willing to offer samples for you if any demands.

★ 相关产品

Related products

- CLM型电瓶端子压接模具
- CLM Battery Terminal Crimping Applicator
- HD07型重载压接模具
- HD07 Heavy Duty Crimping Applicator



HBQ-121 U型端子压接机

HBQ-121 CRIMPING MACHINE

产品介绍 Introduction

HBQ-121 压接机是海昌公司全新研发的一种用于链式U型端子压接的半自动设备，适用汽车线束、家电、电子行业无焊连接工艺。

HBQ-121 is a new semi-automatic crimping machine which is especially applicable for the U-terminal (Chain type). This machine is used for the crimp connection technology in automotive harness, appliance and electrics industries.

特性 Features

- 小型化设计
设备外形小巧，质量轻，移动和放置非常方便；
- 多端子连续压接
可实现多个端子不切断连续压接以及线径循环变化压接，同时配备压力管理装置进行压接质量监控；
- 模具快速换型
模块化的设计实现端子快速换型；
- 自主化设定
开放式生产参数设定窗口，多配方设定储存功能，便于快速生产换型调用；
- 操作安全性
全防护生产模式，保证操作安全；
界面多级密令多层权限管理设计，保证重要数据无丢失改动。
- Miniaturization Design
Small, light and portable;
- Continuous Crimp
Continuous crimp without cutting down and CFM for monitoring the crimp quality;
- Quick Change For Applicator
Module Design for changing the applicator quickly;
- Simplified Parameter Setting
Open production parameter settings and various articles saving for SMED;
- Safe operation
Fully protective production mode for safe operation;
Multi-level confidential and rights management design for date safety.



技术参数 Specifications

型 号 Type	HBQ-121	线径范围 Wire Cross Sections	Max 2mm²
电 源 Power Supply	220V	外形尺寸 Dimensions	L1000×W1000×H400mm
功 率 Power	2kw	重 量 Weight	130kg
行 程 Stroke	30mm	气 源 Air supply	5-6Bar

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections, we are willing to offer samples for you if any demands.

HBQ-H15A 油压机

HBQ-H15A OIL HYDRAULIC CRIMPING MACHINE

产品介绍

Introduction

HBQ-H15A 油压机是一款专为大平方线缆压接打造的半自动设备，与传统机械式压接机相比具有占地空间小、压接压力大等特点，并设计了全新的模具安装座，可同时适配CLM和HCA等多种模具，通用性更强；压接高度可调，并配备多种压接模式，适用范围更广。

HBQ-H15A is a semi-automatic machine specially designed for oversized wires. Compared with the mechanical crimping machines, HBQ-H15A is smaller in size but higher in crimp force. We design a new applicator-mounting, which can adapt to a variety of applicators such as CLM and HCA applicators. Adjustable shut height, multiple crimping functions and a wide range of application.

特性

Features

- 体积小、压接压力大；
 - 压接起停高度可设置；
 - 行程可调，短行程效率更高；
 - 压接线径大；
 - 可适配多种模具；
 - 加装防护罩，更安全；
 - 操作简单，快速熟练。
- Small size and high pressure;
 - Settable crimping safety height;
 - Adjustable crimping stroke, short stroke gets high efficiency;
 - Suitable oversized wires;
 - Adaptable different applicators;
 - Equipped with safety cover;
 - Easy operation.



技术参数

Specifications

型 号	Type	HBQ-H15A
行 程	Stroke	50mm(max)
电 源	Power Supply	220V/50Hz
功 率	Power	1.0kW
重 量	Weight	320kg

公称压力	Crimping Force	150kN
线径范围	Wire Cross Sections	120mm ² (max)
行程次数	Stroke Per Minute	7S.P.M (50mm行程)
外形尺寸	Dimensions	L800 × W750 × H1450mm

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed. although they are within cross sections. we are willing to offer samples for you if any demands.

HBQ-125A 免换模压接机

HBQ-125A HEXAGONAL CRIMPING MACHINE

产品介绍 Introduction

HBQ-125A 免换模压接机是一种用于管状端子和屏蔽环压接的模机一体压接设备，用于新能源汽车、充电桩、电瓶车等线束的生产，实现了免更换模具便可适应不同线径的压接要求。

HBQ-125A is one of crimping machine with build-in applicator, which is used for processing ferrules and shield ring. HBQ-125A could handle wires of different sizes without changing the applicator. This machine is widely used for the harness production of EV cars, charging station and battery cables.

特性 Features

- **高效降本**: 不同线径压接免更换模具，省去开模费用；
 - **稳定持久**: 全新的机构设计，不同闭合高度压接力稳定不衰减，满足更大平方线缆压接要求；
 - **通用性强**: 可压接管状端子和屏蔽环；
 - **调整精准**: 独立电机调整压接高度，自动补偿高度；
 - **多配置可选**: 可选配手动定位、自动定位装置，满足不同客户需求；
 - **操作简单**: 触控屏控制，设置参数、点动操作、调取工艺配方更便捷；
 - **支持定制**: 根据要求，压接长度可定制。
- **Efficient cost reduction**: No need to replace the applicator for different wire size, saving the cost for applicators;
 - **Stable and lasting**: brand-new mechanism design, the crimping force of different closing heights is stable without attenuation, meeting the requirements of larger square cable crimping;
 - **Strong versatility**: can crimp tubular ferrules and shielding rings;
 - **Accurate adjustment**: independent motor adjusts the crimping height and automatically compensates the height;
 - **Multiple configuration options**: optional manual positioning and automatic positioning devices to meet different customer needs;
 - **Simple operation**: touch screen control, setting parameters, single step operation, and calling process jobs are more convenient;
 - **Support customization**: the crimping length can be customized according to requirements.



技术参数 Specifications

型 号	Type	HBQ-125A
电 源	Power Supply	220V/50Hz
功 率	Power	2.0kW
重 量	Weight	450kg
尺 寸	Dimensions	L800 × W800 × H1500mm

压接长度	Crimping Length	12mm (可定制)
压接宽度	Crimping Width	3~16mm
公称压力	Crimping Force	250kN
线径范围	Wire Cross Sections	6~120mm ²
行程次数	Stroke per Minute	20 S.P.M

★ 某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections. we are willing to offer samples for you if any demands.

选配件 OPTIONAL ACCESSORIES

产品介绍 Introduction

压力管理装置(CFM)

- 热漂移补偿、不良报警、履历保存、波形安定性检出、CPK计算、计数；
- 采用3.5 " 彩色液晶触摸显示屏，省去复杂的按键操作；
- 内置、外置两种形式可选；
- 可与不同品牌端子压接机集成使用。

CRIMP FORCE MONITOR

- Thermal drift compensation, Defects alarm, values record, Waveform stability detection, CPK calculation;
- With 3.5 "color LCD touch screen, easy and simple to operate;
- Two types of Built-in & External optional;
- Can be integrated with different brands of crimping machines.



压力管理装置 (CFM)

Crimp force monitor

YJJFJ-037 多功能控制模块

- 外观小巧，安装方便，内置LED显示屏，操作简便；
- 改变内置程序，可控制不同模块；
- 废料切断模块和CLM电瓶端子压接模具通过气管快换接头可与本产品完美匹配；
- 低能耗，过载保护。

YJJFJ-037 MULTI-FUNCTION CONTROL MODULE

- Compact appearance, convenient installation, built-in LED display, easy operation;
- To change built-in procedures, can control the different modules;
- Waste cutting module and CLM battery terminal crimping applicator added with the tube quick change connector, can perfectly match to this module;
- Lower energy consumption, overload protection.



多功能控制模块

Multi-function Control Module

废料切断模块

- 独立对端子料带进行剪切，集中回收废料；
- 防止压接作业时废料飞溅、散落，方便现场管理；
- 安装于工作台面以下，废料通过导管引入；
- 刀口寿命长、剪切力大。



废料切断模块

Waste Cutting Module

WASTE CUTTING MODULE

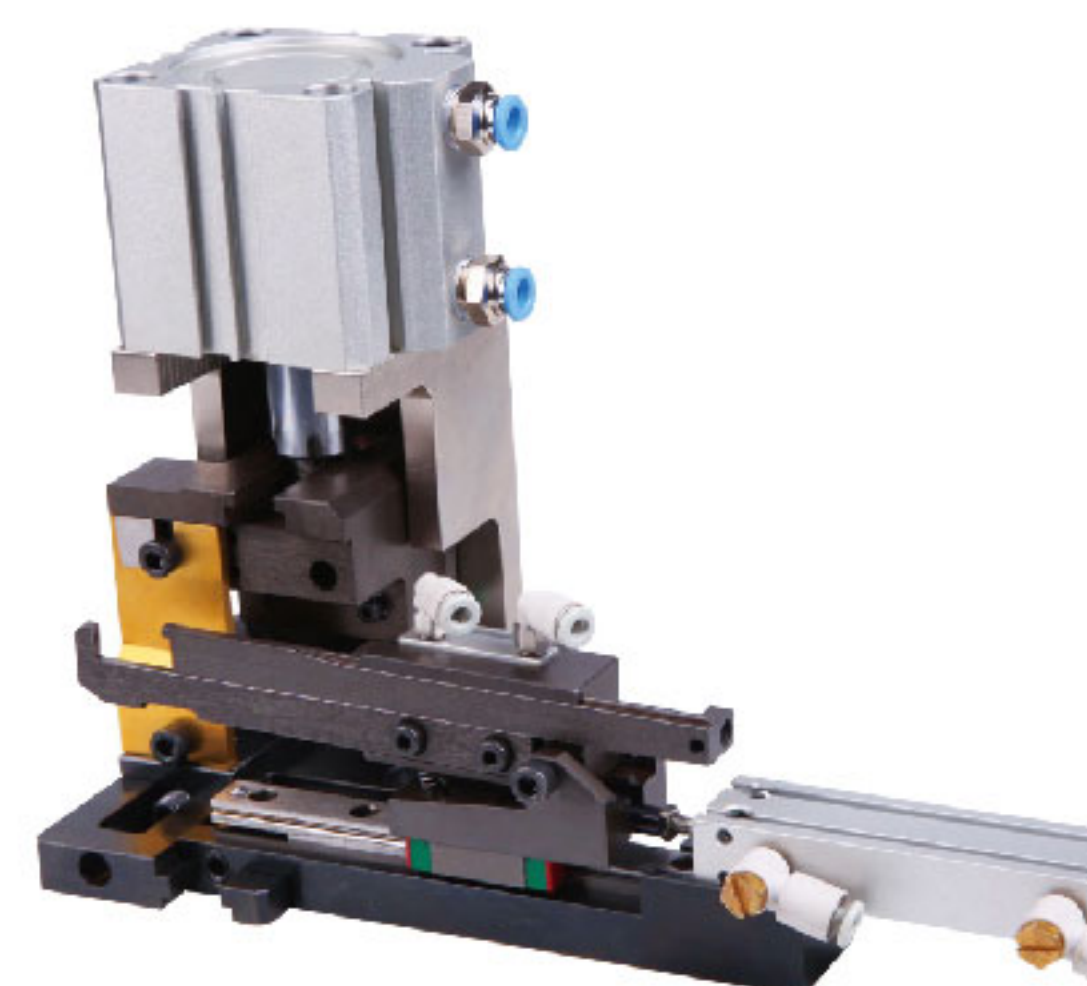
- Shear bands on the terminal independently, recycling waste concentrately;
- Prevent the waste splashing, scattering when machine is operating, convenient on-site management;
- Installed below the work surface, waste feeding through the catheter;
- Blade is long-life duration, shear pressure is large.

不良品切断模块

- 与压力管理 (CFM) 相连接，用于切除压接不合格的电缆；
- 压力管理报警时，能立刻切断不良品，保证产品品质；
- 可以安装到HACINT的压接机上；
- 可与料带切断模块组合使用；
- 特殊设备所需该模块可以根据具体情况而单独设计开发。

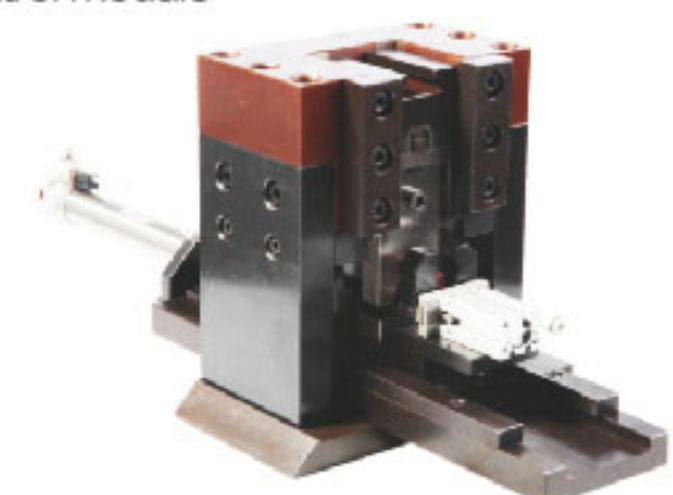
BAD CRIMP CUTTER

- Connected to cfm directly, to cut off unqualified wires;
- Ut off the unqualified products immediately the cfm alarm, to ensure high quality;
- Atch to the press machine of HACINT brand;
- An be applied to the tape cutting module;
- lfferent modules designed and developed according to special equipments.



不良品切断模块

BAD CRIMP CUTTER



电瓶端子压接模具

CLM Battery Terminal Crimping Applicator

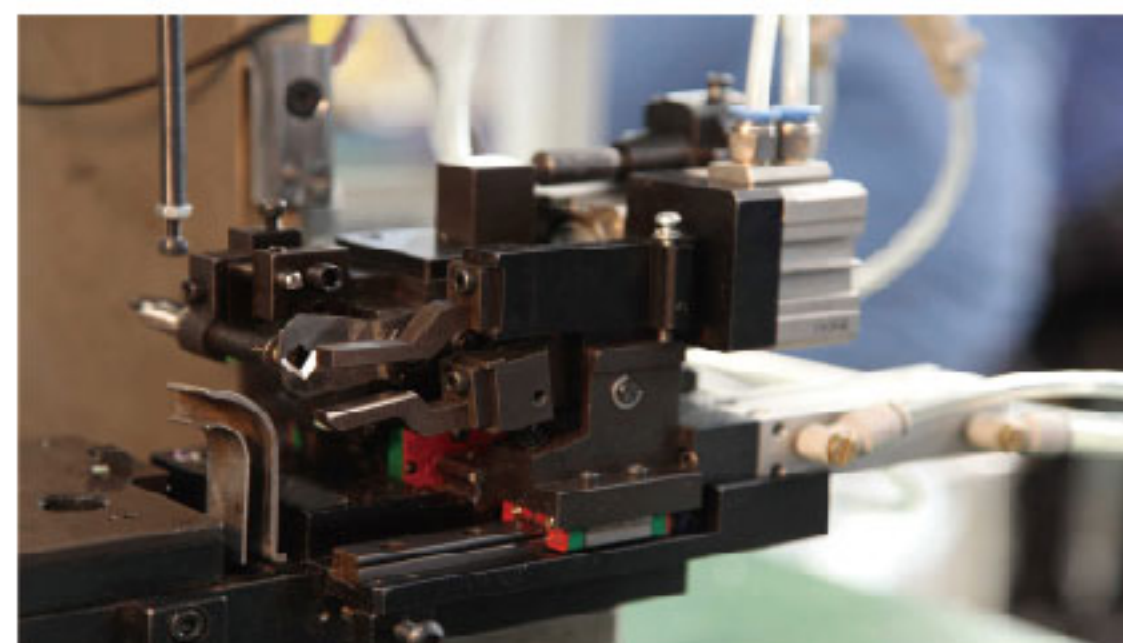
产品介绍 Introduction

剥线模块

- 剥线模块与端子压接机组合使用，剥皮打端子一次完成，尤其适用于多芯线缆的加工；
- 可安装到HACINT的4T压接机上，剥皮深度及长度方便可调；
- 推荐可与料带切断模块组合使用；
- 特殊设备所需，该模块可以根据具体情况而单独设计开发；
- 既可通过微动传感器触发，也可用过脚踏开关触发。

CABLE STRIPPING MODULE

- Stripping module installed to the terminal crimping machine, stripping and crimping completed in one-step;
- Match to the 4T press machine of HACINT brand, stripping depth and length can be conveniently adjusted;
- Can be applied to the tape cutting module;
- Different modules designed and developed according to special equipments;
- Can be triggered by pedal and the micro sensor.



剥线模块
Stripping module

自动卷纸器

- 可与任意一款端子压接机匹配，回收压接后剩余的纸带；
- 动力由电机驱动，噪音小，转动平稳，寿命长；
- 卷纸轮是靠弹簧的摩擦力驱动，卷纸时不会拉动端子轮转动。

PAPER WINDER

- Can be matched to any kind of terminal crimping machine, recove the remai tape after crimping;
- With the motor driving, quiet, smooth rotation and long life available;
- Paper winder is driven by the spring friction ,when the wheel is rotating , terminals will not be pull.



自动卷纸器
Paper winder



对插接头
Fast-plug coupler

气动换向模块

- 该模块是气动送料模具的好搭档，彻底改变在每副模具上都需安装换向阀的历史，大幅度节省模具投资；
- 具有延时设定功能，换向时间可以精确调整，可以满足各种特殊模具的送料要求；
- 外形小巧，可匹配各种端子压接机；
- 与之匹配的气管快换接头可实现与各种模具的快插快换，极大的提高了效率；
- 有螺纹拧紧快换接头和快速对插接头可供选择。

PNEUMATIC CHANGE MODULE

- The module is a good partner for pneumatic feeding applicators, no valves needed for each applicator any more, greatly save the cost;
- With delay setting function, change-over time can be accurately adjusted, can meet the feeding requirements of different special applicators;
- Compact size , can be matched with various terminal crimping machine;
- The pipe quick joint can realize the quick change for various applicators, greatly improves the efficiency;
- Two optional quick changed coupler: screwed one and fast-plug one.



气动送料模块
Pneumatic Feeding Module

闭合高度仪

- 闭合高度仪的专用测量仪器；
- 可对工厂所有端子压接机的闭合高度进行统一和校准，进而实现快速换模，提高工作效率；
- 内置预载荷消除机械间隙，测量精度0.01mm；
- 135.78mm（欧式）和119.7mm（日式）两种规格可供选择。

SHUT HEIGHT GAUGE

- Special equipment for crimping height;
- can be manufactured in all the terminal crimping machine of the closed high degree of harmonization and alignment, thereby achieving rapid change mode, improve work efficiency;
- Built-in pre-load to eliminate mechanical gap, measurement accuracy 0.01mm;
- 135.78mm (European-style) and 119.7mm (Japanese-style) two kinds of specification to choose from.



闭合高度仪
Shut Height Gauge

HBQ-210B 双线穿剥打一体机

HBQ-210B STRIPPING&CRIMPPING MACHINE

产品介绍

Introduction

HBQ-210B 应用于护套线或双绞线的加工。操作者手持线材插入设备，然后分别完成多芯线的穿栓/零切/剥皮/压接功能，一站式解决了传统所需的3步手工作业。其每个功能单元均可以独立打开或关闭。实时进行栓检测、颜色检测（选配）、剥皮检测（选配）、压力检测（选配）。大幅提高生产效率，精准保证产品质量，带给客户超高的性价比体验。

HBQ-Z210B is applied to processing sheathed wire or twisted pair with offering sealing, stripping, zero cutting, and crimping of the multi-core cables. This machine can realize three steps at the same. And these functions can be realized independently. It provides real-time monitoring of seals, wire color(optional), stripping(optional) and crimp force(optional), which significantly improves efficiency, high quality and cost performance.



特性

Features

- **高集成**: 集零切、穿栓、剥线、压接端子为一体;
 - **高品质**: 实时进行栓检测、颜色检测（选配）、剥皮检测（选配）、压力检测（选配）;
 - **高效率**: 循环周期约2.6S（仅供参考，不同线材略有差异）;
 - **高精度**: 剥皮精度±0.1mm，切刀精度±0.01mm;
 - **寿命长**: 剥皮、零切刀具相互独立，提高刀具使用寿命;
 - **操作人性化**: 剥皮长度和深度通过软件控制调节；
更换产品，调取对应产品配方即可。
- **High integration**: zero cutting, sealing, stripping and crimping can take place simultaneously;
 - **High quality**: seals monitoring, wire color monitoring(optional), stripping monitoring(optional) and crimping monitoring (optional) can be realized;
 - **Efficiency**: cycle time is approximate 2.6s (Notion: different wires for different cycle time);
 - **High accuracy**: stripping length accuracy ±0.1mm, stripping depth accuracy ±0.01mm;
 - **Durability**: blades for stripping and blades for zero cutting are independent and ensures blades durability;
 - **Easy operation**: stripping length and depth can be adjusted by software, articles storage for different wire processing data.

技术参数

Specifications

连接	Connection	电源及功率	220V 50Hz 1500W	Power Supply	220V 50Hz 1500W
		压缩空气	5-7Bar, 干燥无油	Air Pressure	5-7Bar, dry and oil-free
设备循环时间	Cycle Time	2.5-3.0s（包含穿栓）		2.5-3.0s（incl. sealing）	
		2.4-2.9s（不含穿栓）仅供参考，不同线材略有差异		2.4-2.9s（excl. sealing）(for reference only, different wires for different cycle time)	
线径范围	Wire Cross Sections	0.13-2.5 mm²		0.13-2.5 mm²	
防水栓尺寸	Seal Size	2mm < OD < 7mm（更大更小直径需确认）		2mm < OD < 7mm	
压接机	Crimping	行程	30mm或40mm	Stroke	30mm/40mm
		压力	20Kn	Crimp force	20KN
剥皮长度（穿剥压一体机）	Stripping Length（incl. seal）	A尺寸范围	0-8mm	A Range:	0-8mm
		B ≥ 25mm 与产品有关		B ≥ 25mm is related to the product	
剥皮长度（剥压一体机）	Stripping Length（excl. seal）	A尺寸范围	0-8mm	A Range:	0-8mm
		B ≥ 18mm 与产品有关		B ≥ 18mm is related to the product	
尺寸和重量	Dimensions & Weight	长X宽X高	约1000X800X1700mm	L*W*H	approx. L1000*W800*H1700mm
		重量	440kg	Weight	440kg



★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections. we are willing to offer samples for you if any demands.

HBQ-210C 双线剥打一体机

HBQ-210C STRIPPING&CRIMPING MACHINE

产品介绍 Introduction

HBQ-210C 主要应用于外绝缘皮剥皮较短、小平方线径的双芯线（以太网线）的加工。操作者手持线材插入设备，设备自动完成对线材的整形、零切、剥皮和压接。大幅提高生产效率，精准保证产品质量。

HBQ-210C is the machine mainly used to strip the external insulation wire in the processing of the short and small square double core wire (Ethernet wire). The operator inserts the wire into the equipment by hand, and the equipment automatically completes the shaping, zero-cutting, stripping and crimping of the wire, which dramatically increased production efficiency and ensures product quality accurately.

特性 Features

- **高集成**：集整形、零切、剥皮、压接端子为一体；
- **高品质**：压力管理检测端子压接质量；
- **高精度**：剥皮长度精度 $\pm 0.1\text{mm}$ ，切刀精度 $\pm 0.01\text{mm}$ ；
- **操作人性化**：剥皮长度、深度和零切长度可以通过参数控制调节。
- **High integration**: It is a device integrating shaping, zero cutting, stripping and crimping terminal;
- **High quality**: Equipped with pressure management device to detect the crimping quality of terminal;
- **High precision**: Stripping length accuracy $\pm 0.1\text{mm}$, cutter accuracy $\pm 0.01\text{mm}$;
- **Humanized operation**: Stripping length, stripping depth and zero-cutting length can be adjusted by controlling parameters.



技术参数 Specifications

连接	Connection	电源及功率	220V 50Hz 1500W	Power Supply and power	220V 50Hz 1500W
		压缩空气	5-7Bar, 干燥无油	Compression Air	5-7Bar Dry and oil free
线径范围	Wire Cross Sections	电线类型	有绝缘外层的双芯线（以太网线）	Wire type:	Double core wire with insulated outerlayer (Ethernet cable)
		横截面积	0.13-0.35mm ²	Cross sections:	0.13-0.35mm ²
		导体类型	铜或细导线	Conductor type:	Copper or thin wire
机架防护罩	Frame protection cover	机架	焊接钢结构	Frame of equipment:	welded steel structure
		防护罩	钣金造型结构加透明亚克力	Protective cover:	metal plate structure with transparent acrylic
周期	Period	设备循环时间	4.0-6.0s	Equipment cycle time:	4.0-6.0s
压接机	Crimping module	行程	30mm或40mm	Stroke:	30mm或40mm
		压力	20Kn	Pressure:	20Kn
剥皮长度（剥压一体机）	Stripping length (stripping and Crimping machine)	A尺寸范围	0-4mm	A Size range:	0-4mm
		B尺寸范围	8-12mm	B Size range:	8-12mm
尺寸和重量	Dimensions & weight	长X宽X高	约1000X1100X1700mm	Dimensions(mm):	about 1000(L)*1100(W)*1700 (H)
		重量	440kg	Weight:	440kg
		包装类型	木质托盘	Packing type:	wooden pallet

★ 某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections. we are willing to offer samples for you if any demands.

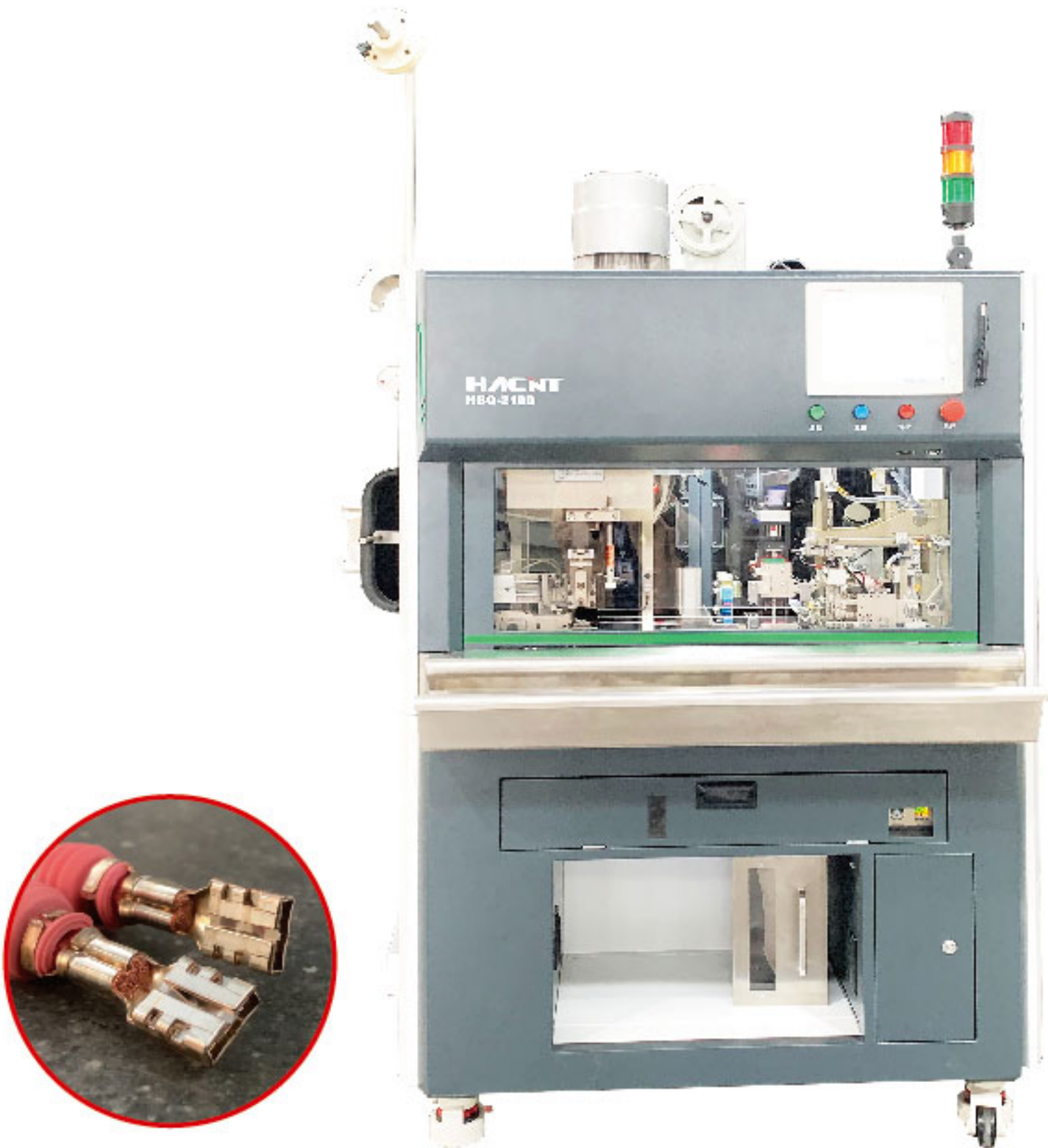
HBQ-210D 重型穿剥打一体机

HBQ-210D STRIPPING&CRIMPING MACHINE

产品介绍 Introduction

HBQ-210D 主要应用于大平方线材的加工，可分别完成单根线的穿栓/零切/剥皮/压接功能，其每个功能单元均可以独立打开和关闭。一站式解决了传统所需的3步手工作业，实时进行栓检测、剥皮检测、压力检测。大幅提高生产效率，精准保证产品质量，带给客户超高的性价比体验。

HBQ-210D is applied to processing oversized wires with offering sealing, stripping, zero cutting, and crimping of single wire, and these functions can be realized independently. This one-stop machine solves the traditional 3-step manual tasks, and provides real-time monitoring of seals, stripping and crimping force, which significantly improves efficiency, high quality and cost performance.



特性 Features

- **高集成**: 集穿栓、零切、剥线、压接端子为一体;
 - **高品质**: 实时进行栓检测、剥皮检测、压力检测;
 - **高效率**: 循环周期约4.5-6.0s仅供参考，不同线材略有差异;
 - **高精度**: 剥皮精度±0.1mm，切刀精度±0.01mm; 穿栓精度±0.1mm，栓检测精度±0.1mm;
 - **寿命长**: 剥皮、零切刀具相互独立，提高刀具使用寿命;
 - **操作人性化**: 剥皮长度和深度通过软件控制调节; 更换产品，调取对应产品配方即可。
- **High integration**: sealing, zero cutting, stripping and crimping can take place simultaneously;
 - **High quality**: seals monitoring, stripping monitoring and crimping force monitoring can be realized;
 - **Efficiency**: cycle time is approximate 2.6s(Notion: different wires for different cycle time);
 - **High accuracy**: stripping length accuracy ±0.1mm, stripping depth accuracy ±0.01mm, seal loading accuracy ±0.1mm, Seal Inspection accuracy ±0.1mm;
 - **Durability**: blades for stripping and blades for zero cutting are independent and ensures blades durability;
 - **Easy operation**: stripping length and depth can be adjusted by software, articles storage for different wire processing data.

技术参数 Specifications

连接	Connection	电源及功率 380V 50Hz 4500W 压缩空气 5-7Bar, 干燥无油	Power Supply and power 380V 50Hz 4500W Compression Air 5-7Bar Dry and oil free
线径范围	Wire Cross Sections	电线类型 单芯线, 多芯线 横截面积 2.5-16mm² 导体类型 铜或细导线	Wire type Single-core, multi-core Cross-sectional area: 2.5-16mm² Conductor type: Copper or thin wire
防水栓尺寸	Seal size	直径 φ D≤15mm; 长度≤18mm	Diameter φ D≤15mm Length≤18mm
机架防护罩	Frame protection cover	机架 焊接钢结构 防护罩 钣金造型结构加透明亚克力	Frame of equipment: welded steel structure Protective cover: metal plate structure with transparent acrylic
周期	Period	设备循环时间 4.5-6.0s	Equipment cycle time: 4.5-6.0s
压接机	Crimping	行程 30mm或40mm 压力 80Kn	Stroke: 30mm or 40mm Crimp force:80Kn
剥皮长度	Stripping length	A尺寸范围 0-11mm B最小取决于端子和栓长度（一般B>40mm）	A Size range: 0-11mm B minimum depends on terminal and seal length(B > 40mm in general)
尺寸和重量	Dimensions & weight	长X宽X高 约1200X1000X2000mm 重量 750kg 包装类型 木质托盘	Dimensions(mm):about1200(L)*1000(W)*2000 (H) Weight: 750kg Packing type: wooden pallet

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections. we are willing to offer samples for you if any demands.

HBQ-208 同心剥打一体机
HBQ-208 STRIPPING& CRIMPING MACHINE

产品介绍 Introduction

HBQ-208 单头同心剥打一体机是针对不同线径集剥皮、压接于一体的高效的线束生产设备。
HBQ-208 is a highly efficient machine for different wire sizes with a function combination of stripping and crimping.



特性 Features

- **集成化设计:** 集零切、剥线、压接端子于一体;
- **功能多样化:** 能适用不同的线径加工要求, 换型时间5min;
- **操作人性化:** 手工放线材, 线材无需移动; 触摸式操作界面, 简洁易懂;
- **设备整洁化:** 装有废料、线皮收集装置, 保持设备整洁;
- **设备精度高:** 剥皮深度由伺服电机控制, 精度为正负0.02毫米;
- **不良品检测:** 装有压力管理装置, 防止不良品流入下一工位。
- **Integration design:** Cutting, stripping, crimping;
- **Functional diversities:** Meeting the processing requirements of different wire sizes and changeover time is within 5min;
- **Humanization operation:** Place the wires manually and there is no move when processing; Easy to operate because of the touch operation interface;
- **Cleanliness:** Collection device of waste and wire scraps for machine clean;
- **High accuracy:** Cutting depth is controlled by servo motor with an accuracy of $\pm 2\text{mm}$;
- **Defective detection:** CFM (Crimp Force Monitoring) for preventing the defectives flowing to the next procedure.

技术参数 Specifications

型 号 Type	HBQ-208	公称压力 Crimp Force	20 kN
电 源 Power Supply	AC220,50Hz	压接行程 Stroke	40mm
气 源 Air Supply	5~7Bar	线径范围 Wire Cross Sections	0.3~2.0mm ²
功 率 Power	1.5 KW	效率 Cycle Time	3.5s
尺 寸 Dimensions	L650 × W680 × H1550mm	剥线长度A ≤ 15mm	
重 量 Weight	260 kg	适应线材长度B ≥ 35mm	
压接端子 Terminal	连续端子 Chain terminals	Wire Length	

★某些特别坚硬且坚固的线束可能不能进行处理, 即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections, we are willing to offer samples for you if any demands.

HBQ-106 散粒航空端子剥打一体机

HBQ-106 LOOSE TERMINAL CRIMPING MACHINE

产品介绍

Introduction

HBQ-106 是海昌公司最新研发的一款专门针对散粒航空端子四点压接的剥打一体设备。

采用的振动送料机构可保证散粒端子连续作业，运用海昌特有的四点压接模具不仅可适应多种规格航空端子，而且还能保证压接后端子同心度一致性非常高。

HBQ-106 is one of newly designed loose terminal crimping machine, particular for the bulk turned pin and socket contacts. The reliable vibration feed unit ensures efficient and continuous sorting. Together with the specialized and precise four-point applicator, this machine is able to process various types of turned pins and a good crimping with high quality.

特性

Features

- 大触摸屏显示多种配置信息，简单易上手；
 - 压接效率高，压接周期3s；
 - 全封闭铝框架结构，实现人机分离式作业；
 - 端子缺料自动报警；
 - 支持压接端子视觉检测；
 - 支持MES联网；
 - 支持多种规格航空端子(可定制)；
 - 支持定制四点压接模具。
- Touch screen displays various information and is convenient to operate.
 - Efficient crimping and the time cycle for crimping single terminal is 3s.
 - Fully enclosed aluminum frame structure for man-machine separation which makes the operation safer.
 - Auto alarm for terminal lack.
 - Able to integrate the visual inspection unit.
 - Could connect to MES.
 - Could processing various types of turned pin and socket contacts. (Customizable).
 - Customized four-point applicator.

技术参数

Specifications

公称压力	Crimp Force	40kN
线径范围	Wire Cross Sections	0.5~4mm ²
压接行程	Stoke	40mm
电 源	Power Supply	AC220V/50Hz
气 源	Air Pressure	≥0.5MPa
尺 寸	Dimensions (mm)	L800 × W800 × H1780
重 量	Weight	300kg
剥皮长度	Stripping Length	0~16mm
压接效率	Equipment CT	3s

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。

Some extremely hard and solid wires may not be able to be processed, although they are within cross sections, we are willing to offer samples for you if any demands.



HBQ-109 新能源双剥双打工作站

HBQ-109 DUAL-WIRE CRIMPING MACHINE

产品介绍

Introduction

HBQ-109 是海昌公司最新研发的一款新能源双芯线剥打一体设备。采用高精度的伺服电机切刀模组和带有绝对值编码器电缸的水平传送结构，可保证剥皮精度和压接位置精度均可达到0.01mm，采用的浮动抓线机构可保证双线在不同高度下压接均可保证其一致性。

HBQ-109 is the stripping and crimping machine used to process the dual-core EV cables. With high-precision servo motor cutter module and horizontal transmission structure with absolute encoder electric cylinder, the machine can secure the stripping accuracy and the crimping position accuracy to be 0.01mm. The floating gripper can ensure a good consistency of the two wires even crimping under different height.

特性

Features

- 简单**: 大触摸屏显示多种配置信息，简单易上手;
 - 高效**: 生产效率高，产品周期3.5s~4.5s;
 - 智能**: 双线自动实现颜色识别;
 - 持久**: 进口刀片材质，经久耐用;
 - 多选**: 可单独设置剥皮和压接模式，实现最佳生产模式;
 - 便捷**: 参数化调整，方便快捷;
 - 互联**: 支持MES联网。
- **Simple**: The large touch screen displays a variety of configuration information, which is easy to use.
 - **High efficiency**: high production efficiency, cycle time 3.5s~4.5s.
 - **Intelligent**: Two-wire automatic color recognition.
 - **Long lasting**: imported blade material, durable.
 - **Multiple selection**: the peeling and crimping modes can be set separately to realize the best production mode.
 - **Convenient**: parameterized adjustment, convenient and quick.
 - **Interconnection**: Support MES networking.



技术参数

Specifications

公称压力	Crimp Force	40kN	线径范围	Wire Cross Sections	0.5~4mm ²
电 源	Power Supply	AC220V/50Hz	压接行程	Stroke	40mm
气 源	Air Supply	0.5 MPa (min)	剥皮长度	Stripping Length	0.1~6mm
尺 寸	Dimensions (mm)	L1000 × W800 × H2000	压接效率	Equipment CT	3.5~4.5s

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed. although they are within cross sections. we are willing to offer samples for you if any demands.

HBQ-212A 以太网短线剥皮压接设备

HBQ-212A ETHERNET SHORT WIRE STRIPPING
AND CRIMPING MACHINE

产品介绍 Introduction

HBQ-212A 以太网短线剥皮压接设备，可实现对多规格双芯线以太网的自动剥皮和压接，其中可自动完成芯线整形、芯线剥皮、芯线端子压接、外圆环压接、CCD压接自动检测、下料等工作。

剥皮：对于8mm长的芯线可实现3.9mm极限剥皮长度；

压接：同时实现芯线和外圆环的压接；

HBQ-212A can realize automatic stripping and crimping of multi-specification dual-core Ethernet wires, which can automatically complete core wire shaping, core wire stripping, core wire terminal crimping, outer ring crimping, CCD crimping automatic detection and discharging.

Stripping: 3.9 mm extreme stripping length for 8 mm long core wires.

Crimping: simultaneous crimping of core wires and outer rings.



特性 Features

● **高集成：**芯线整形、芯线剥皮、芯线端子压接、外圆环压接、CCD压接检测

● **高品质：**通过CCD检测，剔除不良；

● **高效率：**两套循环夹爪并行作业，提高生产效率；

● **人性化：**剥皮长度、压接尺寸通过软件控制调节；

更换产品，调取对应产品配方即可。

● 采用高精度定位机构，保证了长度的一致性；

● 搭载的自动视觉检测装置可实时监控产品质量，出现不良产品自动报警、自动隔离；

● 友好的pc界面，更加直观的图形画面提高了可视性和操作性。



● **Highly integrated:** core shaping, core stripping, core terminal crimping, outer ring crimping, CCD crimp detection

● **High quality:** CCD detection to reject defective.

● **High efficiency:** two sets of circular clamping jaws operate in parallel to improve production efficiency.

● **Humanization:** stripping length and crimping size are adjusted by software control.

To change products, just call up the corresponding product recipe.

● The use of a high-precision positioning mechanism ensures consistency in length.

● Equipped with automatic visual inspection device for real-time monitoring of product quality, automatic alarm and automatic isolation of defective products.

● Friendly PC interface with more intuitive graphic screens for improved visibility and operability.

技术参数 Specifications

适用产品	Wire type	双芯线以太网 (如需适配其他产品，请联系我司)	Applicable products Dual core Ethernet (If you need to adapt to other products, please contact us)
线径范围	Wire Cross Sections	0.13-0.35mm²	
剥皮长度	Stripping length	A:0.1-3.9mm B:8-12mm	

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections, we are willing to offer samples for you if any demands.

HBQ-011/011S 管式端子压接机

HBQ-011/011S FERRULES CRIMPING MACHINE

产品介绍 Introduction

HBQ-011/011S 是海昌公司在针对冷压管式端子专门开发的剥打一体设备，具有体积小、效率高及操作简单等特点。
HBQ-011/011S is one of stripping and crimping machine specially designed for ferrule terminals. It is compact, high effective and easy to operate.

特性 Features

- **安全:** 全封闭防护，人手始终在机器外面，保证绝对安全；
- **配置:** 支持多种端子规格，并可实现免工具快速更换；
- **操作:** 操作简单，新员工半小时即可培训上岗。
- **Safe:** Fully enclosed protection and The hand is always outside the machine, ensuring absolute safety.
- **Configuration:** Support a variety of terminal specifications, and can be quickly replaced without tools.
- **Operation:** Simple operation, new employees can train for half an hour.



技术参数 Specifications

型 号	Type	HBQ-011	HBQ-011S
电 源	Power Supply	AC220V/50Hz	AC220V/50Hz
气 源	Air Supply	0.4~0.6MPa	0.5~0.8MPa
效 率	Cycle Time	1.2~1.8s	2.2~3.8s
线径范围	Wire Cross Sections	0.25~2.5mm ²	2.5~4 mm ²
剥皮范围	Stripping Length	4~7mm	8~16mm
剥皮精度	Stripping Accuracy	± 5%	± 5%
尺 寸	Dimensions	L600 × W246 × H445mm	L680 × W246 × H445mm
重 量	Weight	40kg	45kg

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections. we are willing to offer samples for you if any demands.

HBQ-901 六线加工中心

HBQ-901 HARNESS PROCESSING CENTER



产品介绍

Introduction

HBQ-901 六线加工中心可完成最多6根线材的下线、剥皮、穿栓、压接和端子插入护套等功能，为线束生产企业节省大量人力，有效减少在制品数量，提高企业的市场反应灵敏度，提升产品品质。该产品适合于订单数量较大，产品线束种类少于等于6种线束的生产，相对效率更高。该型设备采用模组化设计思路，可提供定制化服务，根据客户的实际生产状况灵活调整工位布局，具有较好的市场适用性。

The HBQ-901 harness processing center can perform the functions of cutting, stripping, sealing, crimping and inserting terminals into connector and it can process wires up to 6, saving a lot of manpower for wire harness manufacturers, effectively reducing the number of products in progress, increasing the company's market response sensitivity and improving product quality. This product is suitable for the production of large order quantity and less than or equal to 6 kinds of wiring harness, and the relative efficiency is higher. This type of equipment adopts modular design ideas, can provide customized services, and flexibly adjust the station layout according to the actual production conditions of customers, which has good market applicability.

特性

Feature

- **柔性扩展**：采用工控机控制，方便接入MES，进行各种功能扩展；
 - **高度智能**：只需手动穿入线材，其余加工全部由设备自动完成；
 - **操作简捷**：形象直观的参数设置界面，可方便灵活的进行工艺参数设置；
 - **控制精准**：剥皮、插端、线材转运均采用伺服马达精确控制位移精度；
 - **在线检测**：装有精密测力装置，可动态显示插入力和拔出力的大小并进行数据保存；
 - **品质稳定**：装有压力管理装置和不良品管理装置，防止不良品流入下一工位。
- **Flexible expansion**: using industrial computer control, it is convenient to connect to MES, and expand various functions.
- **Highly intelligent**: only need to insert the wire manually, and all other processing is automatically completed by the equipment.
- **Simple operation**: visual and intuitive parameter setting interface, convenient and flexible for process parameter setting.
- **Accurate control**: the stripping, inserting end, and wire transfer all adopt servo motors to precisely control the displacement accuracy.
- **Online detection**: equipped with precision force measuring device, which can dynamically display the size of insertion force and withdrawal force and save data.
- **Stable quality**: equipped with pressure management device and defective product management device to prevent defective products from flowing into the next station.

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections. we are willing to offer samples for you if any demands.

技术参数

Specifications

线径范围	Wire Cross Sections	0.35~2mm²
加工线束根数	Wire Number	≤6
剥皮长度	Stripping Length	0.1~18mm
送线速度	Feeding Speed	3m/s (max)
加工线长	Cutting Length	
A:简易双端护套Simple insertion both ends 300~3000mm		
B:复合双端护套 Composite insertion both ends 700~3000mm		
C:单端护套Single end insertion (Need to process the other ends) 280~2000mm		
D:单端护套 Single end insertion (No need to process the other ends) 80~2000mm		
穿栓种类	Seal Type	2(Optional)
压机种类	Crimping Station	4(Optional)
送线精度	Feeding Accuracy	± (1+0.2%*L) mm
电源	Power Supply	AC380V/50Hz
气源	Air Supply	5~6Bar

HBQ-902 多线型加工中心

HBQ-902 HARNESS PROCESSING CENTER



产品介绍 Introduction

HBQ-902 多线加工中心可完成最多36根线材的下线、剥皮、穿栓、压接和端子插入护套等功能，为线束生产企业节省大量人力，有效减少在制品数量，提高企业的市场反应灵敏度，提升产品品质。该设备能更好的适应多种护套同时插端的情况，对插端种类多，复杂的插端工艺有更好的兼容性。该型设备采用模组化设计思路，可提供定制化服务，根据客户的实际生产状况灵活调整工位布局，具有较好的市场适用性。

The HBQ-902 harness processing center can perform the functions of cutting, stripping, sealing, crimping and inserting terminals into connector and it can process wires up to 36, saving a lot of manpower for wire harness manufacturers, effectively reducing the number of products in progress, increasing the company's market response sensitivity and improving product quality. The device can adapt to the situation of simultaneous insertion with multiple sheaths, and has better compatibility with a variety of insertion ends and complex insertion techniques. This type of equipment adopts modular design ideas, can provide customized services, and flexibly adjust the station layout according to the actual production conditions of customers, which has good market applicability.

特性 Feature

- **柔性扩展**: 采用工控机控制，方便接入MES，进行各种功能扩展；
 - **高度智能**: 只需人工上线材、护套、端子，其余加工全部由设备自动完成；
 - **操作简捷**: 形象直观的参数设置界面，可方便灵活的进行工艺参数设置；
 - **控制精准**: 剥皮、插端、线材转运均采用伺服马达精确控制位移精度；
 - **在线检测**: 装有精密测力装置，可动态显示插入力和拔出力的大小并进行数据保存；
 - **品质稳定**: 装有压力管理装置和不良品管理装置，防止不良品流入下一工位。
- **Flexible expansion**: using industrial computer control, it is convenient to connect to MES, and expand various functions;
- **High intelligence**: all the process could complete by the machine except loading the wires, connectors and terminals;
- **Simple operation**: visual and intuitive parameter setting interface, convenient and flexible for process parameter setting;
- **Accurate control**: the stripping, inserting end, and wire transfer all adopt servo motors to precisely control the displacement accuracy;
- **Online detection**: equipped with precision force measuring device, which can dynamically display the size of insertion force and withdrawal force and save data;
- **Stable quality**: equipped with pressure management device and defective product management device to prevent defective products from flowing into the next station.

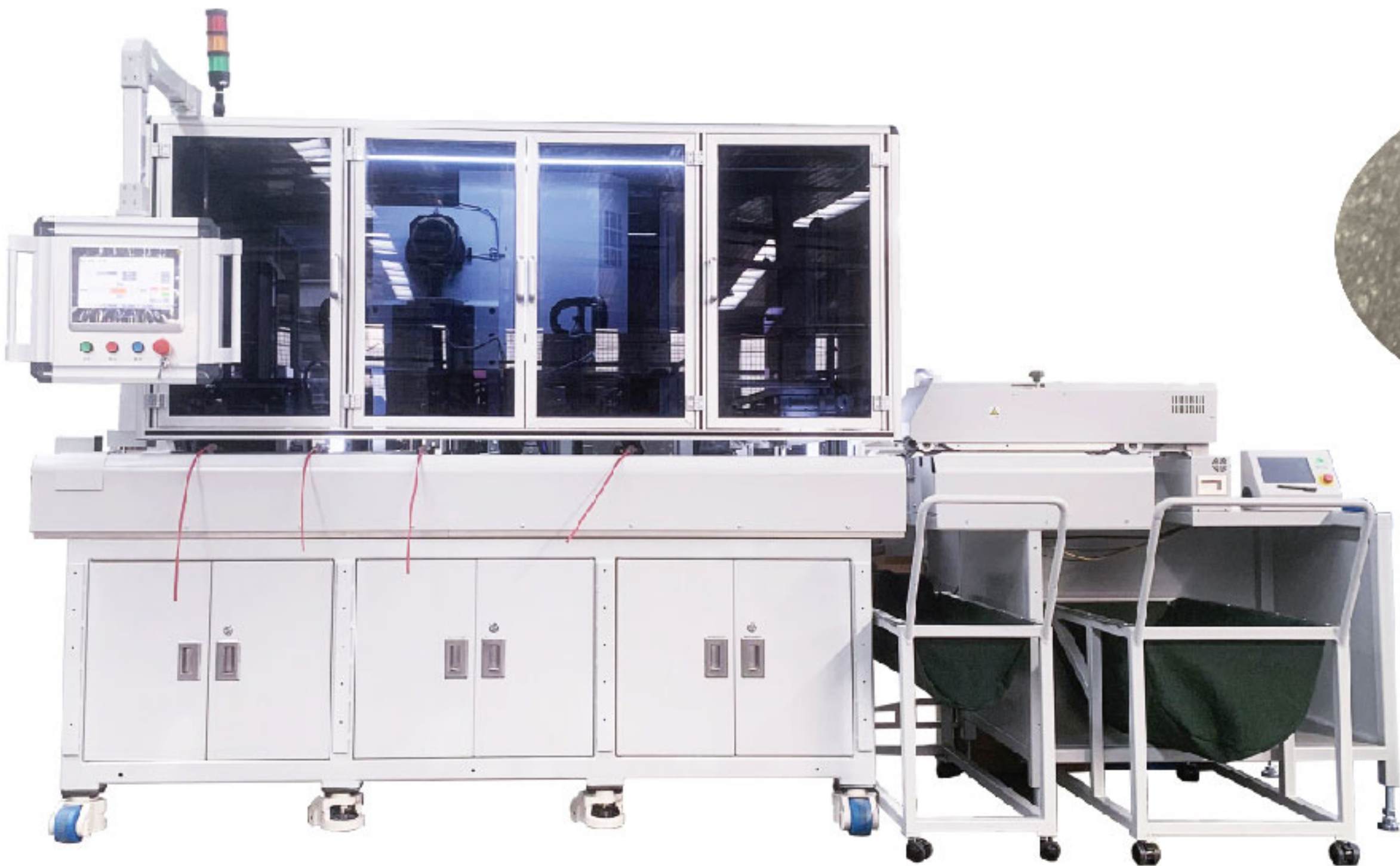
★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections. we are willing to offer samples for you if any demands.

技术参数 Specifications

线径范围	Wire Cross Sections	0.35~2mm ²
加工线束根数	Wire Number	≤36
剥皮长度	Stripping Length	0.1~18mm
送线速度	Feeding Speed	3m/s (max)
加工线长	Cutting Length	
A:简易双端护套Simple insertion both ends 300~3000mm		
B:复合双端护套 Composite insertion both ends 700~3000mm		
C:单端护套Single end insertion (Need to process the other ends) 280~2000mm		
D:单端护套 Single end insertion (No need to process the other ends) 80~2000mm		
穿栓种类	Seal Type	2(Optional)
压机种类	Crimping Station	4(Optional)
送线精度	Feeding Accuracy	± (1+0.2%*L) mm
电源	Power Supply	AC380V/50Hz
气源	Air Supply	5~7Bar
功率	Power	10kW
重量	Weight	4000kg
外观尺寸	Dimensions	L6600×W2360×H2000mm

HBQ-180 智能大平线加工中心

HBQ-180 PROCESSING CENTER



产品介绍

Introduction

HBQ-180 智能大平线加工中心专门针对大平方电瓶线而设计，具有剥皮、压接、热缩功能，运用载盘+机器人自动取放端子，视觉检测不良品，具有通用性强，效率高、智能化程度高等优势。

HBQ-180 is specially designed for large wire of the new energy industry, with automatic functions of stripping, crimping, heat shrinkable and CCD+ robot to automatically detect materials. It's more universal and intelligent.

特性

Features

- **高效:** 剥皮、端子取料、压接、热缩自动完成，省去中间周转时间，效率高；
- **通用:** 端子载盘+机器人，实现柔性上料，若更换端子，只需更换载盘，可实现快速换型；
- **智能:** 载盘到位后，机器人快速依次抓取端子；CCD在线检测剥头和有热缩管；
- **安全:** 设备装有整体防护罩，每扇检修门都装有安全门开关，运行过程中打开会直接报警停机。
- **Efficient:** with automatic functions of stripping, crimping, heat shrinkable to save the middle turnover time, it's high efficient;
- **General:** Vibration platform with CCD+ robot to flexibly feed, can process some single terminals, and avoid frequent type change caused by terminals match with a vibration plate;
- **Intelligent:** CCD can automatically detect terminal position and the robot quickly grab terminals. If the vibration plate has no appropriate position, the vibration plate automatically reverses the terminal to the appropriate position and continues to grab;
- **Safety:** The equipment is equipped with an integral safety cover, and each access door equipped with a safety door switch, which will directly alarm and stop the machine if the safety guard opened during operation.

技术参数

Specifications

型号	Type	HBQ-180	公称压力	Crimp force	200kN
线径范围	Wire Cross Sections	10-50mm²	运行周期	Cycle time	15s
长度范围	Wire Length Range	300-3000mm	功率	Power	9.0kW
热缩管长度	Length of Heat Shrinkable Tube	30-60mm	电源	Power Supply	AC380V 50Hz
剥皮长度	Stripping Length	0-20mm	气源	Air Supply	5-7Bar
重量	Weight	2000kg	外观尺寸	Dimensions	L4500 × W1700 × H2400mm

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed, although they are within cross sections. we are willing to offer samples for you if any demands.

HBQ-922 双线绞合加工中心

HBQ-922 DUAL-WIRE TWISTING CENTER



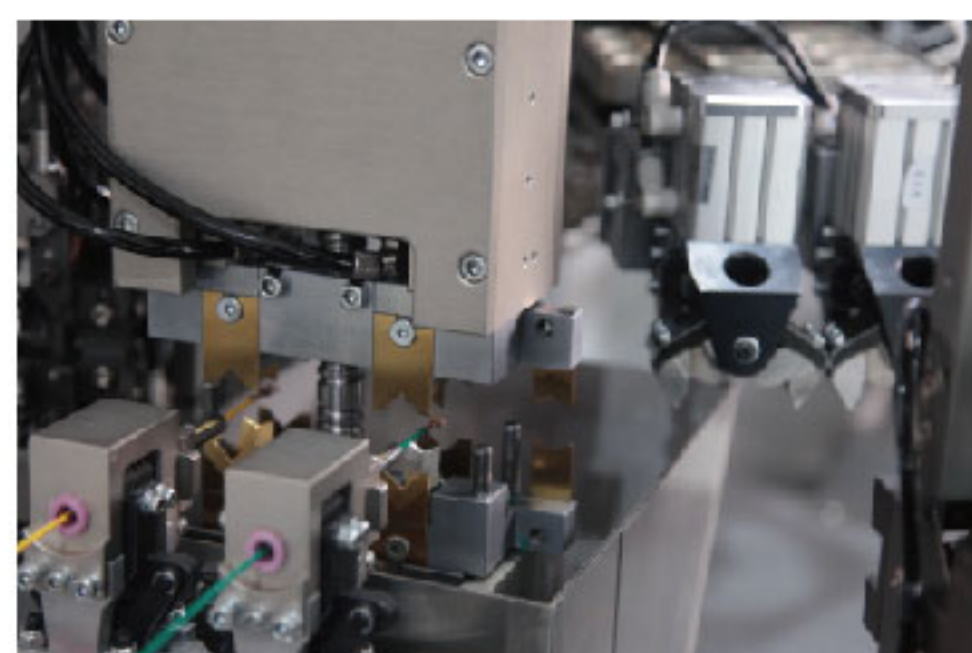
产品介绍 Introduction

HBQ-922 双线绞合加工中心是将下线与绞线功能融为一体，能全自动实现电线裁切、剥皮、穿防水栓、压接端子、绞合等功能的创新机型。该机可以高效的处理导线面积为 $2 \times 0.3 \text{ mm}^2$ 至 $2 \times 2.5 \text{ mm}^2$ 的绞合线加工。其显著优势如下：

- **省人力**：该机融合下线、压接、穿栓、绞线、四个工序为一体；
- **省物流**：节省了传统自动压接机与绞线机之间的物料移动；
- **高效率**：最高可以实现4.5秒/根线的加工效率；
- **精节距**：节距公差可以控制在 $\pm 10\%$ ；
- **高柔性**：可以兼容绞合线和非绞合线两种加工模式。

HBQ-922 is a machine that processes twisted pairs, for automatically cutting, stripping, seal inserting, crimping and twisting. Wires with cross sections ranging from $2 \times 0.3 \text{ mm}^2$ to $2 \times 2.5 \text{ mm}^2$ can be processed efficiently. there are following features:

- **Labor Save**: can realize cutting, crimping, seal inserting and twisting at the same time;
- **Moving Save**: remove the material moving from crimping machine to twisting machine;
- **High Efficiency**: the highest processing efficiency can be up to 4.5s;
- **Pitch length Accuracy**: within $\pm 10\%$;
- **High flexibility**: process of twisted pairs, single wires and dual wires.



产品功能

Function

绞 合
Twisted pair



裁 切
Cut to size



半 剥
Half stripping



全 剥
Full stripping



两端穿栓
Crimp ping



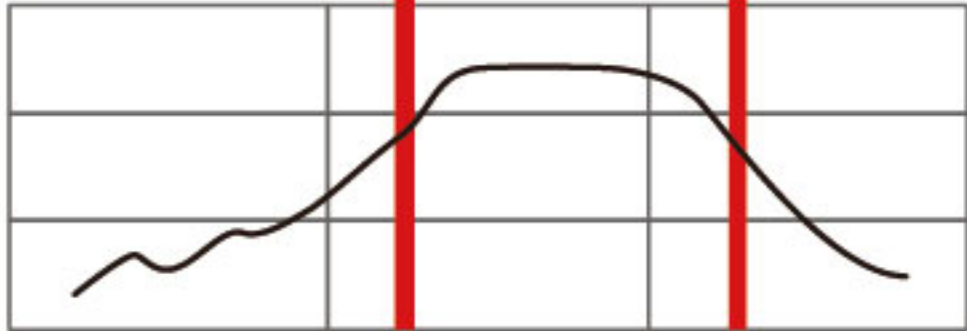
压接端子
Crimping



喷墨打标
Inkjet marking



压力监视
Crimp force monitoring



其他功能

Other functions

料带切断 Terminal strip cutting 纸带收集 paper winder 成品自动收集 Automatic collection 不良品处理（选配压力管理）Defectives handle(CFM optional)
局域网连接 Network 生产管理系统 HMES

技术参数

Specifications

型号	Type	HBQ-922
线径范围	Wire Cross Sections	0.3~2.5mm²
长度范围	Wire Length	300~4000mm标配
加工精度	Machining Accuracy	±（0.3%L+1.5mm）,L表示线长（ Wire length）
剥皮长度	Stripping Length	0.1~18mm
开口长度	Open Length Ends	35~90mm
绞线节距	Pitch Length	5~80mm accuracy:± 10%
送线速度	Feeding Speed	3m/s
噪音水平	Noise Level	<75dB(Without crimping)
环境温度	Temperature	-5~+40℃
气源	Air Supply	0.5~0.8MPa
电源	Power Supply	3×380V/50Hz
功率	Power	8kW(max)
尺寸	Dimensions	L9000×W2200×H2000mm
可选配件	Optional Accessories	FSA-001 防水栓工作站 FSA-001 seal loading module 伺服压接机 DPS servo crimping module 变频压接机 Frequency conversion crimping machine 端子压接高度测量 Shut height measurement module 端子拉拔力检测 Terminal Pull Force detection module

★某些特别坚硬且坚固的线束可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely hard and solid wires may not be able to be processed,although they are within cross sections.we are willing to offer samples for you if any demands.

HBQ-910A 型全自动下线打卷机

HBQ-910A AUTOMATIC WIRE CUTTING AND WINDING MACHINE

产品介绍 Introduction

HBQ-910A 型全自动下线打卷机，是一款实现线束定长下线，自动打卷的设备；操作简单，自动化程度高，可满足市场对线束再加工的工艺及效率要求。

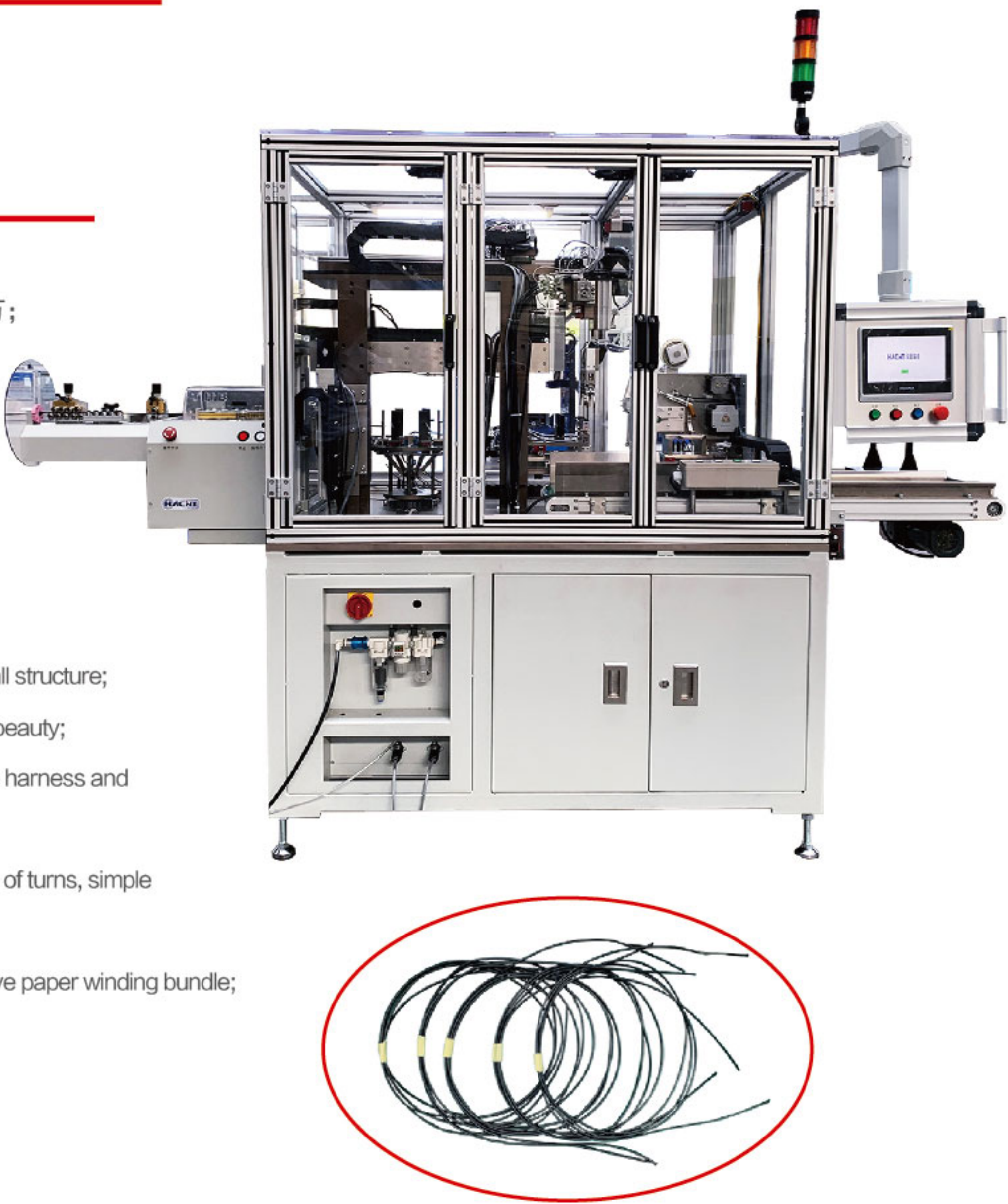
HBQ-910A automatic wire cutting and winding machine is a machine for cutting wire harnesses at a fixed length and winding them automatically; it is easy to operate and has a high degree of automation and can meet the market's requirements for the process and efficiency of wire harness reprocessing.

功能 Function

定长裁切，线束打卷，线圈捆扎。
Cut-to-length, harness winding, coil bundling.

特性 Features

- 机身以有清透感的灰白色为基调，整体结构简洁大方；
 - 采用全封闭式型材亚克力防护罩，安全美观；
 - 可实现线束两端长度固定，线圈自动变径的功能；
 - 输入线长，自动计算线圈直径及圈数，简捷高效；
 - 缠胶带模组可适应不同种类的胶带或胶纸缠绕捆扎；
 - 友好的pc机界面，操作简单直观。
- The body is clean off-white tone, with a simple and generous overall structure;
 - The adoption of a fully enclosed profile acrylic shield for safety and beauty;
 - It can realize the function of fixing the length of both ends of the wire harness and automatic reducer of the coil;
 - Input wire length, automatic calculation of coil diameter and number of turns, simple and efficient;
 - Tape winding module can adapt to different kinds of tape or adhesive paper winding bundle;
 - User-friendly PC interface, easy and intuitive operation.



技术参数 Specifications

型号	Type	HBQ-910A	噪音水平	Noise level	<75dB
打卷长度范围	Winding length range	1.2m-6m	气源	Air Supply	0.5-0.7MPa
长度精度	Length accuracy	L<500mm:±1mm;	环境温度	Temperature	-5~40℃
		L>500mm:±(1mm+0.2%*L)	设备CT	Equipment CT	L<3m,CT=11S;L>3m,每长1m,CT增加0.5S
线径范围	Wire Cross Sections	1-4mm²	电源	Power Supply	380V
打卷直径	Winding diameter	125mm-240mm	尺寸	Dimensions	2850mm×1100mm×1955mm
线头长度	Thread length	250mm-320mm	重量	Weight	800kg

HBQ-041C 型自动导线剪剥机

HBQ-041C AUTOMATIC STRIPPING MACHINE

产品介绍

Introduction

该产品是一款针对线束行业切线剥皮的一款设备，该设备具有剥线速度快，切剥精度高，调试简单，操作方便等优点。能满足不同线缆加工应用，可实现对线缆的全剥、半剥等快速生产。

This machine is designed for cutting & stripping. With fast and precise cutting and stripping, simple debugging, easy operation, this machine meets the demands of variable wire processing and fast production of full and half stripping.



可选配收线器

Optional wire deposit module



选配校直器

Optional wire straightener



HBQ-041C 型自动导线剪剥机

HBQ-041C AUTOMATIC STRIPPING MACHINE

特性

Feature

- 本机由PLC控制，触摸屏操作，性能稳定，操作简易；
 - 高速剥线，裁线范围内可任意设定剥头长度及总长；
 - 可独立设定送线、切线、剥皮速度，以满足最佳剥线效果；
 - 具有设定总量、把数、延时等功能；
 - 电机驱动采用步进控制，精度高，使用寿命长；
 - 可储存500种不同规格型号线材加工数据；
 - 刀片为进口材质，经久耐用；
 - 标配防护罩，为安全生产保驾护航；
 - 有刀口吹气功能；
 - 有外设接口，可联控收线机和喷码机。
- PLC control touch screen for stable performance and easy use;
 - Fast stripping and arbitrary setting of the wire length and the Stripping length;
 - Individual setting of the speed of the feeding, cutting and stripping for the best stripping;
 - Setting of total quantity, bundle number, time delay;
 - Servo control for high precision and long service life;
 - Processing data of 500 different wires;
 - Imported blades for durable service;
 - Standard safety cover for safe production;
 - Air-blowing for blade;
 - Peripheral interfaces for Take-up machine and Inkjet printer.

技术参数

Specifications

型 号	Type	HBQ-041C	剥头长度	Stripping length	Front end stripping length前端剥头:
线径范围	Wire Cross Sections	0.3-6mm²			1~47mm
控制方式	Control mode	Touch screen and press button 触摸屏、按键			Rear end stripping length后端剥头: 1~47mm
切断精度	Cutting Accuracy	± (0.2+0.002*L) , L为线长 (The wire length)	重量	Weight	46kg
电 源	Power Supply	AC220V/50Hz	外形尺寸	Dimensions	L475 × W412 × H300mm
导线长度	Cutting length	短剥 Short stripping: < 55mm 一般 Normal: > 55mm	可切导线 最大外径	Outside diameter	6mm
功 率	Power	600W			

★某些特别软或硬的线可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely soft or hard wires may not be processed.although they are within cross sections.we are willing to offer samples for you if any demands.

HBQ-421 全自动屏蔽线下线机

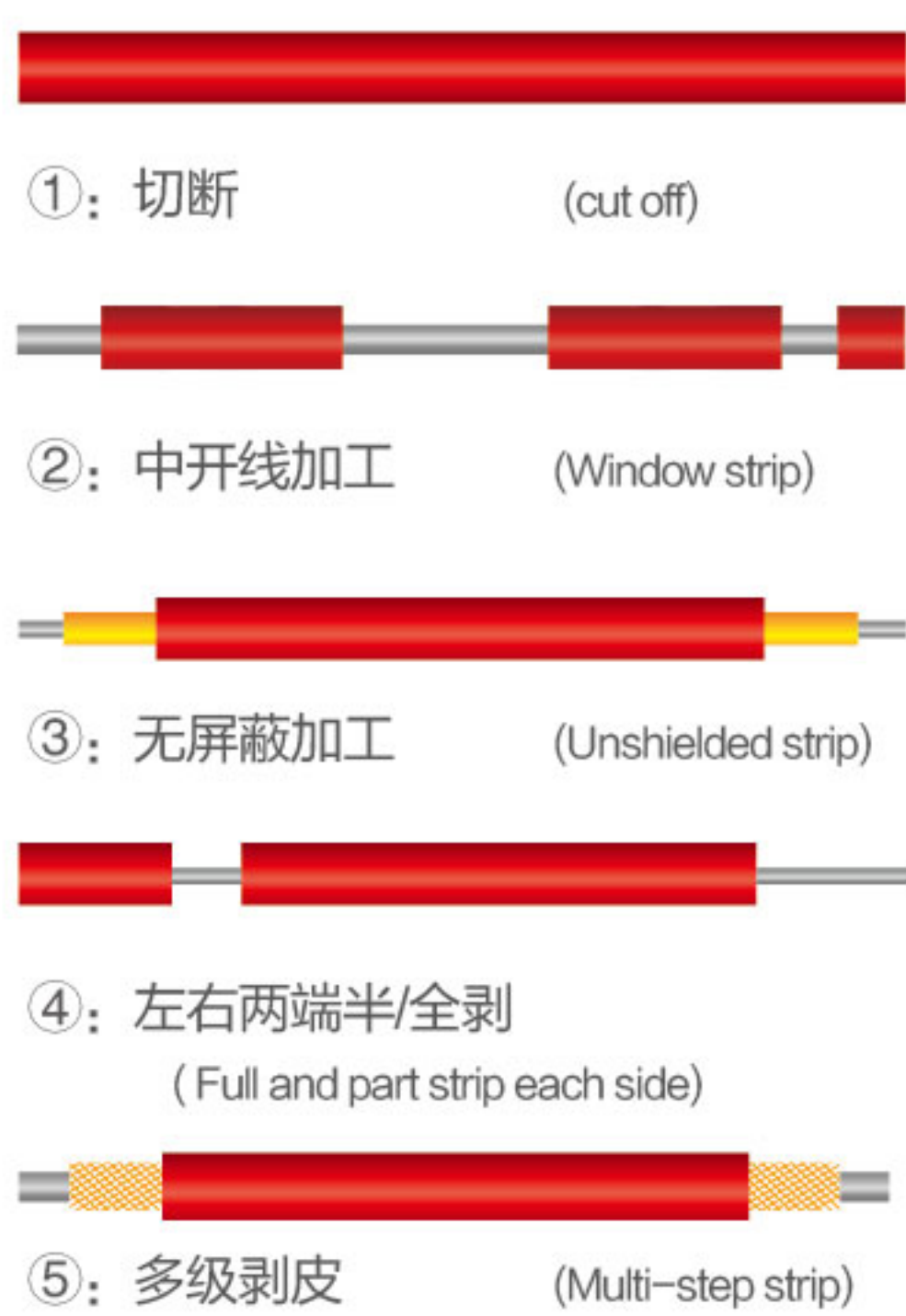
HBQ-421 AUTOMATIC STRIPPING MACHINE

产品介绍 Introduction

全自动屏蔽线下线机HBQ-421是海昌公司最新研制的具有自主知识产权的电线束制造系统，主要用于新能源汽车、通讯设备、充电桩等电线束的生产。本制造系统采用伺服控制系统，实现了定长送线、定长裁切、多层旋剥等过程的自动化生产，是集光、机、电等控制方式为一体的自动化、柔性化、精密化的电线束制造系统。

HBQ-421 is newly independently designed for shielded wires, which is mainly used for the processing of EV high voltage wires, communication wires and charging piles wires. This machine adopts the servo control system to realize the automatic production of the feeding cutting, stripping and insulation, etc. It is an automated, flexible and precise wire harness manufacturing integrating control modes such as optical and electromechanical. system.

特性 Feature



技术参数 Specifications

适用线型	Wires	普通电瓶线、多层屏蔽线、多芯线 Battery cable ,shield cable ,multi-core cable
设备功能	Function	切断、多步骤剥出外皮、多级剥皮、左侧和右侧完全或部分剥除外皮、无屏蔽加工 Cut down, multi-strip, multi-step strip, cutting, unshielded strip (Cross cut function customizable)
切断长度	Cutting length	160~99999.99mm
切断精度	Cutting accuracy	±(0.2%L+1)mm
剥皮长度	Stripping length	左端130mm，右端260mm(Left 130mm, right 260mm)
线径范围	Wire Cross Sections	6-120mm²
线束外径	Wire Outer Diameter	6-25mm
电气源	Power/Air supply	AC380V/50Hz/5kW / 0.5~0.7MPa
尺寸	Dimensions	L1460×W700×H1500mm
重量	Weight	700kg

重要提示：由于线材种类多样、规格各异，实际加工能力以样线测试为准；
标配一套线径导管、两对V型刀，如有多种线径，请另行订购；
选配项：校直器、导管、圆弧刀、中开模组（中开模组只能主机订购时选配，后续无法增加。）
Important note: due to various types and specifications of wire, the actual processing capacity shall be subject to cable sample testing;
Standard: a set of wire diameter conduit, two pairs of V-blade, if any other wire diameters, please order separately;
Optional: straightener, conduit, arc blade, middle open module (the middle open module can only be ordered with the machine, can not be added later.

HBQ-423 全自动屏蔽线下线机

HBQ-423 AUTOMATIC STRIPPING MACHINE

产品介绍 Introduction

全自动屏蔽线下线机HBQ-423主要用于新能源线、电瓶线、护套线等电线束的生产，采用电脑触控一体机和伺服控制系统，结合送线皮带压力自动调节，实现了线束的定长送线、定长裁切、多层旋剥等过程的自动化生产，加工精度高，品质稳定。

HBQ - 423 is mainly used for processing new energy, battery and Sheathed wire, adopt touch all-in-one PC computer and servo control system and wire feeding automatically adjust the belt, to provide feeding cutting, multilayer rotary stripping, ensure high precision and stable quality.

特性 Feature

- 模块化设计，提供更多选择空间；
- 采用电脑触控一体机，方便MES等功能扩展；
- 有旋切刀、V型刀、圆弧刀等多种加工方式可选；
- 可独立设定送线、切线、剥皮速度，以实现最佳剥线效果；
- 可储存500种不同规格型号线材加工数据；
- Modular structure, providing more optionals;
- With touch control all-in-one computer to facilitate the expansion of MES and other functions;
- Processing options available for rotary cutting blade, V-shaped blade, arc blade and others;
- Wire feeding, cutting and stripping speed can be set independently to achieve best stripping;
- Processing data for up to 500 kinds of different specification wires.



技术参数 Specifications

线型范围	Wire Cross Sections	普通电瓶线、多层屏蔽线、多芯线battery wire, multi-layer shielded wire, multi-core wire
设备功能	Function	切断、多步骤剥出外皮、多级剥皮、左侧和右侧完全或部分剥除外皮Cutting off, multi-step stripping, full or partial stripping
切断长度	Cutting Length	70~99999.99mm
切断精度	Cutting Accuracy	±(0.2%L+1)mm
剥皮长度	Stripping Length	left左端100mm, right右端135mm
线束外径	Wire Outer Diameter	2-12.5mm
送线速度	Feeding Speed	4m/s
电/气源	Power Supply/ Air Supply	AC380V/50Hz /0.5~0.7MPa
外形尺寸	Dimensions	L870×W830×H440mm
重量	Weight	330kg
备注	Mark	标配一套线径导管，两对V型刀，如有多种线径，请另行订购 Standard: 1 set of wire diameter guide, two pairs of V-blade, for more wire size, please order separately 选配项：下机架、旋切模组、校直器、导管、圆弧刀、MES等 Optional: lower machine frame, rotary cutting module, straightener, guide, arc blade, MES, etc

重要提示：由于线材种类多样、规格各异，实际加工能力以样线测试为准。
Important note: due to various types and specifications of wire, the actual processing capacity shall be subject to cable sample testing.

HBQ-429 电动剥皮机

HBQ-429 ELECTRIC STRIPPING MACHINE

产品介绍 Introduction

HBQ-429 是一台电动剥皮设备，其可加工的线缆横截面范围为0.05-6 mm²，线缆的最大外径为6 mm。它不需要任何机械调节就可以处理不同尺寸的线缆。操作者只需要通过触摸屏来选择所需的线缆尺寸，机器就可以准备加工，而这些尺寸对应参数提前已存入程序储存库中。当线缆末端触及传感器，该设备就开始剥皮加工。

The HBQ-429 is a motorised stripping machine with a cable cross-section range of 0.05 to 6 mm² and a maximum outer diameter of 6 mm. It can process different cable sizes without any mechanical adjustment. The operator simply selects the required cable size via the touch screen and the machine is ready to process it, with the corresponding parameters already stored in the program memory. When the end of the cable touches the sensor, the machine starts the stripping process.

特性 Feature

●小型化设计

设备外形小巧，质量轻，单人可移动和放置;

●多样化生产

适应不同规格线缆的多样化加工生产;

●人性化操作

开放式生产参数设定窗口，多配方设定储存功能，便于快速生产换型调用;

●操作安全性

全防护生产模式，保证操作安全;

界面多级密令多层权限管理设计，保证重要数据无丢失改动;

●多接口传输

可采用无线网络或USB执行软件升级或备份数据。

● Compact design

The machine is compact, light and can be moved and placed by one person;

● Diversified production

The machine can be used for the production of different cable sizes;

● User-friendly operation

Open production parameter setting window, multiple recipe setting and storage function for quick production changeover;

● Operational safety

Fully protected production mode for safe operation;

The interface is designed with multi-level password and multi-layer authority management to ensure that no important data is lost or changed;

● Multi-interface transmission

The software can be upgraded or backed up using a wireless network or USB.



技术参数 Specifications

线径范围	Wire Cross Sections	0.05-6mm ²	程序容量	Program capacity	500条 pieces
最大外径	Maximum outside diameter	6.0mm	接口类型	nterface type	USB, wifi (选配 optional)
直径增量	Diameter	0.01mm	噪音	Noise	<70 dB (A)
长度增量	Length	0.1mm	电源	Power Supply	AC 220V/50Hz 350W
启动开关	Start switch	自动触发传感器，屏幕触控，按键 Automatic trigger sensor	尺寸	Dimensions	L150 × W250 × H400mm
剥皮长度	Stripping length	3-40mm (常规模式 standard)，0.5-40mm (剪剥模式 cutting)	重量	Weight	12.5kg
剥皮刀片类型	Stripping blade type	V型或R型 V or R type			

HBQ-422A 型环剥机

HBQ-422A ROTARY STRIPPING MACHINE

产品介绍

Introduction

HBQ-422A 型环剥机是海昌公司全新研发的一种用于同轴线缆加工的新型设备，完全适用新能源线缆的加工。

HBQ-422A is a semi-auto machine for the rotary cutting and stripping of the coaxial cables, which is completely suitable for processing of EV high voltage wires.

特性

Feature

- 小型化设计

设备外形小巧，质量轻，移动和放置非常方便；
- 多样化生产

适应不同规格线缆的多样化加工生产；
- 自主化设定

开放式生产参数设定窗口，多配方设定储存功能，便于快速生产换型调用；
- 操作安全性

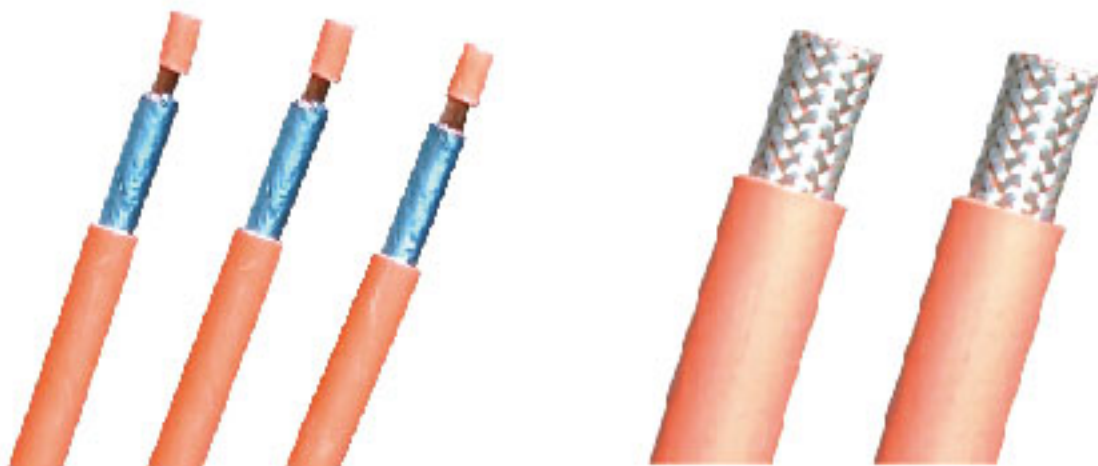
全防护生产模式，保证操作安全；
界面多级密令多层权限管理设计，保证重要数据无丢失改动。
- Miniaturization Design

Small, light and portable;
- Diversification Product

Adapt to the diversified processing of different cable sizes;
- Simplified Parameter Setting

Open production parameter settings and various articles saving for SMED;
- Safety

Fully protective production mode for safe operation;
Multi-level confidential and rights management design for date safety.



技术参数

Specifications

型 号	Type	HBQ-422A	长度精度	Stripping Accuracy	0.01mm
线材直径	Wire Diameter (coaxial)	3-18mm(同轴线 coaxial cable)	电 源	Power Supply	AC220V/50Hz
剥皮长度	Stripping length	Max 100mm	功 率	Power	400W
剥皮层数	Stripping Steps	9层 level (max)	重 量	Weight	36kg
旋切精度	Cutting Accuracy	0.01mm	尺 寸	Dimensions	L816 × W270 × H418mm

★ 鉴于线缆尺寸及种类的多样性，某些线材即使他们在所示的加工范围之内，可能也不能进行处理，建议您提供相应的线缆样品用于产品加工测试。

For so many variety of cable sizes and types, some wires may not be processed well even if wire size applicable. It is recommended that you provide corresponding cable samples for product testing.

HBQ-426 型环剥机

HBQ-426 ROTARY STRIPPING MACHINE

产品介绍 Introduction

HBQ-426 型环剥机是一款多步骤程控操作同轴、多芯和单芯线缆的剥皮设备，是海昌公司针对新能源线缆市场全新研发的一种用于同轴电缆旋切剥皮加工的半自动设备。

HBQ-426 is a new semi-auto machine for the rotary cutting and stripping of the coaxial cables, which is completely suitable for processing of EV high voltage wires. It is applicable for the coaxial cable, multi-core cable and single-core cable.

特性 Feature

- **范围广**：加工线径5-30mm，剥皮长度最高达200mm；
 - **精度高**：4刀片概念设计，形成干净、高精度的切口；
 - **寿命长**：电机驱动采用伺服控制，精度高，使用寿命长；
 - **易用性**：本机由PLC控制，触摸屏操作，性能稳定，操作简易；
 - **快换性**：多配方设定储存功能，便于快速生产换型调用；
 - **安全性**：全防护生产模式，保证操作安全性；
 - **便捷性**：带移动设备底架设计，产线换型移动方便。
-
- **Wire Range**: Wire diameter 5-30mm, stripping length is up to 200mm;
 - **High Accuracy**: Adopt 4 blades for clear and accurate stripping;
 - **Long Service Life**: Moto drive adopts servo control, which makes high accuracy and long service life;
 - **Easy Operation**: PLC control mode and touch screen for stable and easy operation;
 - **Quick Change**: Various articles saving for SMED;
 - **Safety**: Fully protective production mode for safe operation;
 - **Movability**: With a mobile base, it is easier to move when changing wires.



技术参数 Specifications

产品型号	Type	HBQ-426	电源	Power Supply	AC 220V/50Hz
线束外径	Wire Outer Diameter	直径(diameter)5-30mm	存储容量	Article Storage Capacity	100种电缆加工数据100 types cable processing data
最大剥皮长度	Stripping Length(max.)	200mm	启动方式	Trigger Mode	脚踏pedal
最大剥皮层数	Stripping Steps(max.)	9层 level	功率	Power	1200W
直径进刀调整精度	Cutting Accuracy	0.01mm	尺寸	Dimensions	L1190×W400×H1335 mm
剥皮长度调整单位	Stripping Accuracy	0.01mm	重量	Weight	200kg

HBQ-425A 屏蔽网切割机

HBQ-425A SHIELDING BRAID CUTTING MACHINE

产品介绍

Introduction

HBQ-425A 屏蔽网切割机采用精巧的机构、灵活智能的控制系统，实现屏蔽网的定长裁切，是一款适应线缆种类范围广、切断功能强大，为客户提供更多附加价值的屏蔽网切割设备。

The HBQ-425A shielding mesh cutting machine uses a compact mechanism and a flexible and intelligent control system to cut shielding mesh at a fixed length. It is a shielding mesh cutting machine that can adapt to a wide range of cable types, has a powerful cutting function and provides more added value to customers.

特性

Feature

- 机身以有清洁感的工业黑色为基调，整体结构简洁大方；
 - 切割长度范围大；
 - 生产参数自主化设定适用多样化生产；
 - 友好的人机界面，更加直观的图形画面提高了可视性和操作性；
 - 可存储多达100组工艺参数。
- The body is clean industrial black with a simple overall structure;
 - Large cutting length orientation;
 - Autonomous setting of production parameters for diverse production;
 - user-friendly human-machine interface with more intuitive graphic screens for improved visibility and operability;
 - Up to 100 groups of process parameters can be stored.



技术参数

Specifications

型号	Type	HBQ-425A	电 源	Power Supply	AC220V/50Hz
适用线材	Wires	同轴高压屏蔽线 Coaxial high voltage shielded cable	功 率	Power	3000W (max)
线径范围	Wire Cross Sections	3-70mm ²	外形尺寸	Dimensions	L1332×W1430×H2000mm
屏蔽网切割长度	Cutting range	5-90mm	重 量	Weight	300kg

备注：

1.由于线材种类各不相同，请务必提供样线；

2.以上为典型线材加工范围，超出以上范围可进行具体评估；

3.屏蔽网有多种类型，有些软网可能无法加工或加工效率较低；

4.标配一套线径工装，如有多种线材请另行订购。

Notes.

1. Please offer sample wires.;

2. The above are typical wire processing ranges, beyond which specific assessments can be made;

3. There are various types of shielding nets, some soft nets may not be processed or may be processed less efficiently;

4. A set of wire gauge tooling is supplied as standard, please order separately if you have more than one type of wire.

HBQ-Z221A 新能源线束加工三合一设备

HBQ-Z221A NEW ENERGY CABLE PROCESSING MACHINE

产品介绍 Introduction

HBQ-Z221A 新能源线束加工三合一设备采用精巧的机构、灵活智能的控制系统，实现线束屏蔽网的剪断、翻网、剥内皮功能，是一款适应线缆种类范围广、切断功能强大，为客户提供更多附加价值的三合一设备。

HBQ-Z221A New Energy Cable Processing Machine with exquisite mechanism and flexible and intelligent control system to realize the functions of cutting, turning over and stripping the inner insulating skin. It is a three-in-one equipment that adapts to a wide range of cable types, powerful cutting function and provides customers with more added value.

功能 Function

- 屏蔽网定长裁剪；
- 屏蔽网翻网；
- 线束内皮全剥/半剥。
- Cut to length;
- Turning over;
- Full stripping/ Half stripping.



特性 Feature

- 机身以有清洁感的工业黑色为基调，整体结构简洁大方；
- 线束屏蔽网的剪断、翻网和内皮的剥皮一次性完成，高效省时；
- 友好的人机界面，更加直观的图形画面,提高了可视性和操作性。
- 可存储多达100组工艺参数。
- With visual effect of industrial black, the overall structure is simple and generous;
- It's high efficiency and time saving to cutting, turn over and strip the shielded cable at one time;
- With friendly HMI and more intuitive graphics, to improve visibility and operability;
- Can store up to 100 groups of processing parameters.

技术参数 Specifications

适用产品 Wire Type	同轴线缆coaxial cable (如需适配其他产品, 请联系我司 if any custom requires, please contact us)	翻网范围 Turn-Over	5-10mm
线径范围 Wire Cross Sections	25-70mm ²	剥皮范围 Stripping Range	10-50mm
电源 Power Supply	AC220V/50Hz	环境温度 Temperature	-5~40℃
功率 Power	5kW	机身尺寸 Dimensions	L332mm × W1430mm × H2000mm
切割范围 Cutting Range	5-60mm	重量 Weight	890kg

★ 某些特别软或硬的线可能不能进行处理，即使他们在所示的截面范围之内。如果有疑问我们很高兴为您试样。
Some extremely soft or hard wires may not be processed.although they are within cross sections.we are willing to offer samples for you if any demands.

备注:

- 1.由于线材种类各不相同，请务必提供样线;
- 2.以上为典型线材加工范围，超出以上范围可进行具体评估;
- 3.屏蔽网有多种类型，有些软网可能无法加工或加工效率较低;
- 4.标配一套线径工装，如有多种线材请另行订购。

- Notes.
- 1.Please offer sample wires.
 - 2.The above are typical wire processing ranges,beyond which specific assessments can be made.
 - 3.There are various types of shielding nets,some soft nets may not be processed or may be processed less efficiently.
 - 4.A set of wire gauge tooling is supplied as standard,please order separately if you have more than one type of wire.

HBQ-428 新能源线束自动化产线

HBQ-428 AUTOMATIC NEW ENERGY CABLE PROCESSING MACHINE

产品介绍 Introduction

HBQ-428 新能源线束自动化产线，满足了新能源线束厂家对电缆实现自动化加工的迫切需求，采用柔性化搭配的特点，可完成内、外绝缘皮、铝箔的自动剥离、屏蔽网刷直、屏蔽网切除、及线材处理的品质自动检测等。

操作方面采用工控机控制，人性化的操作界面浅显易懂，易学易用。还可选配压接、穿环工作站，以满足汽车新能源线束的各种加工需求。该型设备采用模块化设计思路，可提供定制化服务，根据客户的实际生产状况灵活调整工位布局，具有较好的市场适用性。

HBQ-428 Automatic New Energy Cable Processing machine perfectly meets the very demand of new energy cable manufacturers to realize automatic processing. With the characteristics of flexibility, it can automatically strip internal & external insulation and aluminum foil, straighten the shield braid & cut the shielding cable, and detect the cable processing quality, etc.

With industrial computer control, user-friendly operation interface, easy to learn and use. Also optional with crimping and shielding ring loading module to meet the various processing needs. HBQ-428 adopts modular design, can provide customized services and flexible adjustment of station layout according to the actual production situation, has good market applicability.



特性 Features

- **高集成**：剥外皮、切铝箔、剪网、刷网、翻网、剥内皮及检测为一体；
 - **高品质**：360度无死角在线视觉检测，保证产品品质；
 - **高效率**：载具自动循环，各工位并行作业，生产效率高；
 - **人性化**：剥皮长度、剪网长度通过软件控制调节；
更换产品，调取对应产品配方即可。
 - 机身经过工业设计，整体结构简洁大方；
 - 采用高精度智能长度定位机构，保证了长度的一致性；
 - 采用多工位同步进行，提高了效率；
 - 采用柔性输送系统，在保护电线不受损伤的同时，又保证了加工的精确；
 - 搭载的自动视觉检测装置可实时监控产品质量，出现不良产品自动报警、自动隔离；
 - 友好的pc界面，更加直观的图形画面提高了可视性和操作性。
- **High Integration**: with multifunction of stripping, cutting aluminum foil, cutting & brushing straight & rolling over the shielding cable, strip internal & external insulation and detect;
 - **High Quality**: all-round online visual inspection to ensure product quality;
 - **High Efficiency**: vehicle cycle automatically, each station operate simultaneously to ensure high production efficiency;
 - **Humanization**: stripping & cutting length adjusted and controlled by the software; easy to change products by selecting articles;
 - With industrial design, the overall structure is simple;
 - Adopt high-precision intelligent length positioning mechanism to ensure the length consistent;
 - multi-station synchronization improve efficiency;
 - Adopt flexible conveying system, protect the wire from damage and also ensure the accuracy of processing;
 - Equipped with automatic vision detection device can monitor product quality in real time, automatically alarm and sort out defective products;
 - Friendly PC interface, more intuitive graphics improve visibility and operation.

技术参数 Specifications

适用产品 Wire Type	同轴线缆 Coaxial cable (如需适配其他产品, 请联系我司) if any other special cabel, please contact us	铝箔切割范围 Aluminum Foil Cutting Range	0-60mm
		刷网范围 Brush Straight Range	2-60mm
线径范围 Wire Cross Sections	25-70mm²	翻网范围 Turn-Over	5-15mm
切割范围 Cutting Range	5-60mm	剥皮范围 Stripping Range	10-50mm

★ 以上典型线材加工范围，需根据具体产品进行评估。
The above special cables processing range should be evaluated according to the specific wire type.

FSM-001 手动穿栓机

FSM-001 SEAL LOADING MACHINE

产品介绍 Introduction

FSM-001 是一款通过手持导线进行穿栓的半自动化设备，将防水栓安装至已剥去绝缘皮导线的末端。FSM-001具有自动上料、自动送料和自动穿入功能。该机解决了传统的手工作业方式，不仅提升了作业效率和产品品质，同时降低了员工的劳动强度。

FSM-001 is the semi-automatic machine for seal loading manually, inserting the seals to the stripped wire ends. Different from traditional processing, FSM-001 achieves automatic feeding and loading, which not only increases efficiency and the quality, but also reduce workingr intensity.



特性 Feature

- **操作界面：**采用可视化操作，可进行单步、复位、定时、I/O检测和参数设置；
- **自动上料：**采用滚筒旋转进行自动送料，静音又节能；
- **操作方便：**有脚踩或定时两种触发模式可选，满足不同客户需求；
- **轨道特性：**可单独更换防水栓轨道，更换快捷，节约客户使用成本。

- **Operation interface:** Visualized operation for single step, reset,timing, I/O detection and setting the parameters;
- **Automatic feed:**Roller rotation for automatic feed,quiet and energy saving;
- **Easy operation:**There are two trigger modes, pedal or timing, to meet different customer needs;
- **Rail features:**Seal rail can be changed separately, which is quick and saves the cost.

技术参数 Specifications

防水栓尺寸	Seal sizes	9×10 (外径×长度diameter*length) mm (max)	重 量	Weight	60kg
防水栓内径	Inner diameter(Seal)	0.6~3.0mm	电 源	Power Supply	AC220V/50Hz
穿栓长度	Seal length	15mm (max)	气 源	Air Supply	0.5~0.6MPa
导线外径	Outer diameter(Wire)	1~3.6mm	功 率	Power	100W
工作频次	Speed	60pcs/min (max)	尺 寸	Dimensions	L640×W220×H640mm

★ 某些特殊防水栓不能进行加工，即使他们在参数范围之内。如有疑问我们很高兴为您试样。
Some special seals may be not handled, even if they are within the range of required values.we are willing to offer samples for you if any demands.

WPP 型防水栓模具

WPP SEAL APPLICATOR

产品介绍 Introduction

WPP 型防水栓模具是一种可以自动筛选排列防水栓的送料模块,它针对每种防水栓单独设计,模块化的对接结构可完美兼容多种防水栓工作站。

WPP seal applicator can be as a feeding module that can automatically filter and arrange seals. It is designed separately for each type of seal. The modular docking structure is perfectly compatible with a variety of seal loading machines.

特性 Features

- **快换结构:** 方便易换的整体结构与备件为您节省每一秒时间;
- **超强抗锈:** 轨道亮银、箱体拉丝;
- **高兼容性:** 完美兼容市面所有HACINT防水栓工作站;
- **双传感器:** 可实现端部无栓自动报警,轨道堵栓自动反吹。
- **Quick change mechanism:** Easy change and saving time.
- **Strong resistance to rust:** Bright silver for the rail and brush finish for the box.
- **High compatibility:** Perfectly fit all the seal station of HACINT.
- **Dual-sensors:** Automatic alarm for no seals in the box and Automatic blow for the seal block on the rail.



技术参数 Specifications

适用防水栓种类	Seals	普通、迷你、超大、硬壳、高尾部、异形 Regular, mini, Ultra large, Hard cover, long tail, Special shape seals
电机输入电压	Voltage	24V
配 件	Accessories	三针、两管、一爪（对） 3 needles, 2 tubes, 1 jaw
送料方式	Feed type	直振送料 Vibration feed
传感器类型	Sensor	对射光纤 Fiber

FSY-001 防水栓去油机

FSY-001 SEAL DEOILER

产品介绍 Introduction

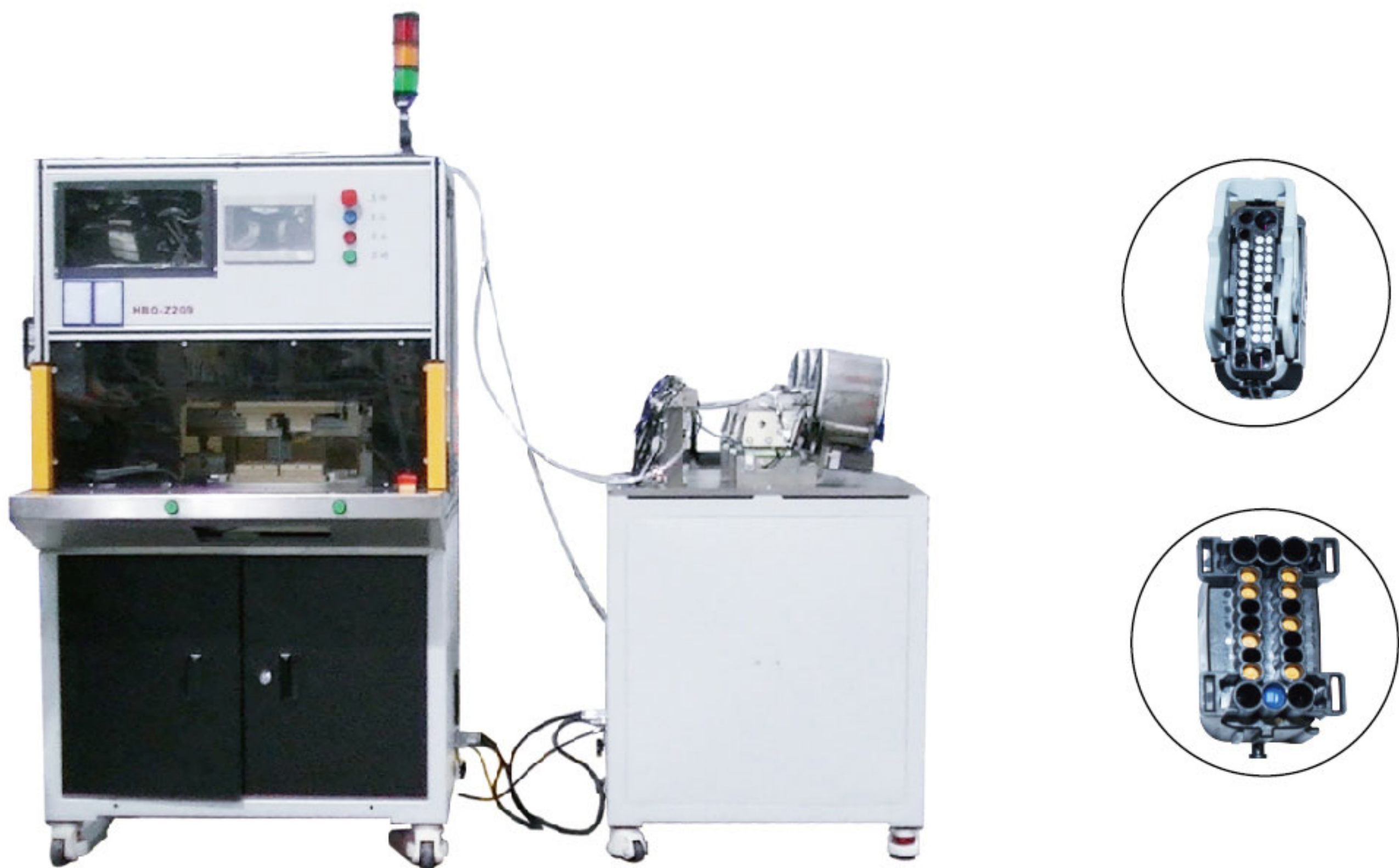
FSY-001 是一款为防水栓去油的专用清洗设备。当防水栓油量过大,防水栓大配套送料不顺时,使用此设备可有效的解决问题。可定时操作,加工无需照看;体积小,节省空间;重量轻,便于移动。

FSY-001 is an oil cleaning device specially designed for seals. When too much oil affects the feeding of seal kit, this machine could help to solve. It can be operated regularly, and the processing does not need to look after it; it is small in size and saves space; it is light in weight and easy to move.



HBQ-Z209 经济型盲堵插入机

HBQ-Z209 ECONOMIC AUTOMATIC INSERTION MACHINE



产品介绍 Introduction

HBQ-Z209 经济型盲堵插入机采用护套手工上料、托盘储料的方式，具备盲堵自动送料、自动插入的功能。操作简单、方便，能够减轻工人穿栓的劳动强度，提高产品品质，提升生产效率。还可以根据客户需求，增加插入工站，在同一护套插入两种不同的盲堵，也可增加不良品检测模组，以满足汽车、电子线束的各种加工需求。

HBQ-Z209 needs the operators load the terminal plugs manually and stores the plugs through a tray mechanism. But the plug feeding and inserting is automated. HBQ-Z209 is easy to operate and the work strength of the operators is reduced while the product quality and production efficiency are increased. Extra units and functions can be added according to the demand of customers, such as adding more inserting station and function of inserting two different plugs in the same housing and adding defectives detecting modules to meet various process demands of automotive and wire harness.

特性 Feature

- 机身采用铝型材框架，以有清洁感的工业灰色为基调，整体结构简洁大方；
 - 盲堵采用自动震动送料，自动插入，提高生产效率；
 - 护套采用托盘储料，降低劳动强度；
 - 电缸驱动系统精确定位盲堵孔位；
 - 布局人性化，操作方便舒适。
- Aluminum profile frame and clear gray color for simple and generous structure;
 - Automatic vibrating feed of plugs and automatic insertion to increasing production efficiency;
 - Tray type storage of terminal housings to reduce the work strength;
 - Electric actuator drive system for fine position of plug holes;
 - Humanize layout and easy operation.

技术参数 Specifications

型号	Type	HBQ-Z209	气 源	Air Supply	0.5~0.7MPa
功能	Function	护套托盘储料 Tray type storage of terminal plug	空气消耗	Air consumption	3.5m³/h
		盲堵自动送料 Automatic feeding	环境温度	Temperature	0~+40℃
		盲堵自动插入 Automatic insertion	电 源	Power Supply	AC220V/50Hz
		双插入工站（选配）Dual-plug-inserting work stations(Optional)	功 率	Power	600W(max)
		视觉检测（选配）Visual inspection(Optional)	主机尺寸	Dimensions	L875×W805×H1600mm
			主机重量	Weight	400kg

HBQ-Z215A 立式盲棒自动插入机

HBQ-Z215A AUTOMATIC INSERTION MACHINE

产品介绍

Introduction

HBQ-Z215A 立式盲棒自动插入机是海昌公司全新升级研发的一种用于盲棒与护套自动组装生产的全自动加工生产设备。

HBQ-Z215A is a fully automatic processing and production machine for the automatic assembly and production of plugs and connector developed by HACINT Company.

特性

Features

- 定制化设计

根据不同生产需求及要求可更新设计实现多样化需求供给；
多方案提供参考选择，满足不同实际生产需求。
- 快速生产换型

相同盲棒不同护套生产换型实现快换设计应用，节省换型时间；
进口盲棒振动机供料，直入式盲棒插入设计实现盲棒的快速生产，
大大提升生产效率。
- 生产品质保证

产品入料防呆设计，保证入料的正确性；
成品CCD检测分料功能设计，确保成品质量。
- 安全

全防护生产模式，保证操作安全性；
界面多级密令多层权限管理设计，保证重要数据无丢失改动。
- Customized design

Renewable design to achieve diversified demand supply according to different production needs and requirements
Multiple solutions provide reference options to meet different actual production needs.
- Rapid production change

Quick change design for the same blind rod with different connectors production to save changeover time;
Straight-in blind rod insertion design to achieve rapid production of blind rods, greatly improving production efficiency.
- Quality assurance

Excellent feed design to ensure correct feeding;
Finished CCD inspection and distribution function design to ensure the quality of finished products.
- Safe

Fully protective production mode for safe operation;
Multi-level password and rights management design to ensure that important data is not lost.



技术参数

Specifications

适用生产功能	Function	盲棒与护套自动组装 Plug and housing automatically fitting	电源	Power Supply	AC220V/50Hz
盲棒插入速度	Inserting speed	0.48~0.5s/pcs	功率	Ratio Power	800W（含振盘vibrating plate）
快换支持	Quick change	是 yes	尺寸	Dimensions	L1200×W1600×H2000mm （含振盘vibrating plate）
适用气源	Air supply	0.5~0.7MPa	重量	Weight	700kg（含振盘vibrating plate）

HBQ-371 中间热缩管收缩机

HBQ-371 HEAT-SHRINK MACHINE



产品介绍 Introduction

HBQ-371 中间热缩管收缩机是海昌公司研发的新一代热缩管机，是一种将热缩管收缩到线束上的设备，履带式送料可以保证持续作业。

HBQ-371 is the latest generation of conveyor type heaters, which is used to shrink the heat-shrink tubing to wires. Belt conveyor provides continuously work.

特性 Features

- 宜人

外观精致，简洁，相对小巧；

人机界面专业，美观，便于操作。
- 安全

温度不到或超出时，送料反转；

传动故障，停转，报警并保护；

长时间待机停止加热。
- 完善

热缩完成强制风冷；

支持MES联网；

支持定制长线辅助工装。
- Comfortable

Exquisite and compact appearance;

Beautiful and professional human-computer interface makes it easy to use.
- Safe

Conveying reverses when under or beyond the required temperature;

Warn and protect itself the moment conveying fails;

Stop heating when in standby for a long time.
- Completed

Forced air Cooling after being shrunk;

MES available;

Customization of auxiliary tooling for Long wires is available.

技术参数 Specifications

型号	Type	HBQ-371	热缩管长度	Heat-shrink length	90mm(Default)/100mm(Optional)
线束外径	Wire Outer Diameter	13.5mm (max)	加热板温度	Heating temperature	700℃ (max)
电源	Power Supply	AC220V/50/60Hz/10A	功率	Power	2.1kW (max)
保险管	Current of Fuse	20A	带速	Belt Speed	3-50mm/s
重量	Weight	50kg	外观尺寸	Dimensions	L1040 × W220 × H386mm

HBQ-372 端部热缩管收缩机

HBQ-372 HEAT-SHRINK MACHINE



产品介绍 Introduction

HBQ-372 是一种将热缩管收缩到线束上的设备，实现端部热缩的功能。可对端部热缩管/端部护套/端部搭铁/端部短线等不同的端部类型进行热缩，履带式送料保证持续作业。

HBQ-372 is used to heat and fix the heat-shrinks on the ends of the wires. It could be used for various types of ends, such as end with heat shrink, end with sheath, end with terminals and short wires etc. Caterpillar feeding makes the machine continuous to run.

特性 Features

- 兼容性强

不同样式：端部全热缩/端部护套/端部搭铁/端部短线；
多种调节：调节端部距离/调节空间适配短线/调节压力适配长线。
- 宜人

外观精致，简洁，相对小巧；
人机界面专业，美观，便于操作。
- 安全

温度不到或超出时，送料反转；
传动故障，停转，报警并保护；
长时间待机停止加热；
热缩完成强制风冷。
- 支持扩展

支持MES联网；
支持定制长线辅助工装。
- Strong compatibility

Diverse types: End with heat shrink/End with sheath/ End with terminals/ Short wires;
Various adjustment: Adjustable distance for wire ends/Adjustable space for short wires
/Adjustable pressure for long wires.
- Pretty Appearance

Exquisite and compact appearance;
Beautiful and professional HMI makes it easy to use.
- Safety

Reversing feed when the temperature is beyond the limits;
Warn and protect the machine when the conveying fails;
Stop heating when the machine is in the long standby time;
Mandatory wind cooling after shrinking.
- Extendable Function

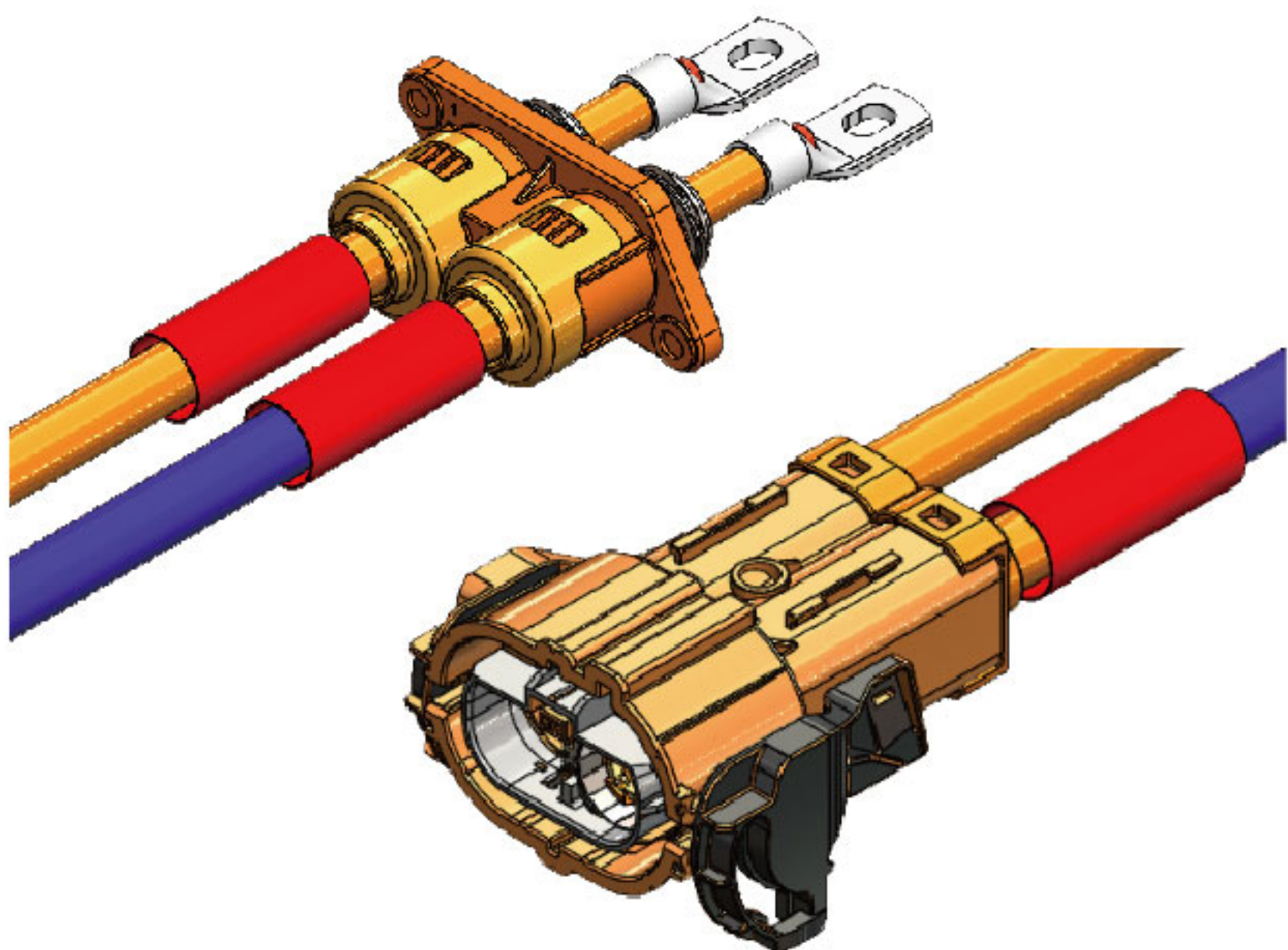
Optional networked function is connected to MES;
Auxiliary tooling is customizable for long wires.

技术参数 Specifications

型号	Type	HBQ-372	热缩管长度	Heat-shrink length	90mm(Default)/100mm(Optional)
线束外径	Wire Outer Diameter	13.5 (max)	加热板温度	Heating temperature	700℃ (max)
电源	Power Supply	AC220V 10A	功率	Power	2.1kW (max)
保险管	Current of Fuse	20A	带速	Belt Speed	3-50mm/s
重量	Weight	74kg	外观尺寸	Dimensions	L1071 × W332 × H386mm

HBQ-373 新能源热缩管收缩机

HBQ-373 HEAT-SHRINK MACHINE



产品介绍 Introduction

HBQ-373 是一种将热缩管收缩到线束上的设备，适用于大线端部热缩。如新能源护套线束，较粗的电瓶线，较大的搭铁端子线。多工位可保证持续作业，并且每个工位的工装可定制，保护非热缩区线束和护套。

HBQ-373 is a machine for heat shrinking tube onto the wire harness, perfectly suitable for big wire size. Such as new energy housing cable, battery cable, bond strap. Continuous operation is ensured by multiple stations, customizable tooling to protect non-heat-shrinkable cable and housing.

特性 Features

● 高效

不同样式：护套线/搭铁线；

多工位：四工位可保证连续作业。

● 安全

可调工装，可定制，可保护非加热区的安全。

● 支持扩展

支持MES联网。

● High Efficiency

Different styles: housing/bond strap;

Multiple Stations: four stations can ensure continuous operation.

● Safety

Adjustable tooling, customizable, can protect the safety of non-heated areas.

● Supports expansion

MES networking available.

技术参数 Specifications

型号	Type	HBQ-373	热缩管长度	Heat-shrink length	160mm(max)
线径范围	Wire Cross Sections	0-120mm ²	加热板温度	Heating temperature	900℃(max)
电源	Power Supply	AC380V 18.5A	功率	Power	7kW(最大)
保险管	Current of Fuse	30A	带速	Belt Speed	4-50mm/s
重量	Weight	240kg	外观尺寸	Dimensions	L1830 × W905 × H1240mm

相关产品 Relate Product 配件 Optional

选配件：工装可定制

Optional accessories: tooling can be customized

HBQ-068 双头绞线机

HBQ-068 DUAL-WIRE TWISTING MACHINE

产品介绍 Introduction

HBQ-068 双头绞线机主要应用于线束加工领域，可对线束进行双股绞合处理。双工位可以交替连续工作。一边装夹，一边进行绞合，节省时间。

HBQ-068 is mainly used in the field of wire harness processing and double wire twisting. The two work stations of HBQ-068 work alternately, so the operators can clamp wires on one workstation while the other one is perform twisting and this increases the production efficiency.

特性 Features

- **精密微调结构设计：**通过抓手结构和伺服控制机构实现高精度的节距；
 - **变频控制恒扭矩电控设计：**在绞合过程保证扭矩恒定；
 - **防护罩全防护设计：**对绞线机考虑全面防护；
 - **实现多种模式运行功能：**S型和Z型绞合方式；
 - **节省时间：**双工位可以交替连续工作，一边装夹，一边进行绞合。
- **Precise fine-tuning structure:** based on the structure of gripper and servo control mechanism, to realize high accuracy of pitch;
 - **Frequency conversion and constant torque electric control:** to ensure constant torque in twisting process;
 - **Safe Guard Protection:** comprehensively protect the double twisting unit;
 - **Multifunction mode:** S and Z twist styles;
 - **Save time:** double workstation can work continuously and alternately, clamping and twisting simultaneously.



夹线组件 Wire Clip Kit



双工位 Double Station



人机交互界面HMI Human-Machine Interface HMI

技术参数 Specifications

线径范围	Wire Cross Sections	0.13~4mm ²	节距精度	Pitch Accuracy	± 10%
绞线长度	Twisting length	150~8000mm (可定制Customizable)	外观尺寸	Dimensions	L3300×W650×H1400mm (L定制Customizable)
绞线速度	Twisting Speed	3000r/min (max)	电源	Power Supply	AC220V
开口长度	Untwisted Length	30~100mm	气源	Air Supply	0.5~0.6MPa
绞线数量	Twisting Number	2/3pcs	功率	Power	500W(交替模式Alternate Mode) 900W(单动模式Single Action Mode)

HBQ-068JD 双头点缠绞线机

HBQ-068JD PONIT TWISTING MACHINE

产品介绍 Introduction

HBQ-068JD 双头点缠绞线机主要应用于线束加工领域，可对线束进行绞合处理。双工位可以交替连续工作，一工位装夹，一工位进行绞合，节省时间，提高工作效率。

HBQ-068JD 增加胶带点缠模块，在绞合线束两侧进行胶带点缠，可对绞合线进行防松，进一步提高绞合线的质量，同时几乎不降低双头绞线机的效率。

HBQ-068JD mainly used in the field of wire harness processing and double wire twisting. The two work stations of HBQ-068JD work alternatively, so the operators can clamp wires on one workstation while the other one is perform twisting and this increase the production efficiency.
HBQ-068JD twister adds a function that it can avoid the twisted wire loose. There can wrap a loop of tape around both ends of the twisted wire to increase the twisted wire quality.

特性 Features

- 智能:
- 可根据绞后长度，节距等工艺参数自动计算所需绞前长度，并可根据实际情况调整；
- 安全:
- 前后绞合夹持单元全防护设计；
- 高效:
- 双工位可交替连续工作，一工位装夹，一工位进行绞合；
- 点缠模块不改变操作步骤，几乎不降低效率 (1m线束，550pcs/h，参考值)。

- Intelligence:
- The length before twisted calculate automatically according to length after twisted, pitch and others parameters, it can also adjust as the actual demands;
- Safety:
- The front gripper for holding the harness has safety cover and also the back one;
- Efficiency:
- Double workstation can work continuously and alternately, clamping and twisting simultaneously.



技术参数 Specifications

型号	Type	HBQ-068JD	线径范围 Wire Cross Sections	0.13-4mm²
电源	Power Supply	AC220V	绞线长度 Twisting length	350-8000mm (可定制 customizable)
气源	Air Supply	0.5-0.6MPa	绞线速度 Twisting Speed	3000r/min (max)
节距精度	Pitch Accuracy	± 10%	绞线根数 Twisting Number	2/3pcs
胶带材质	Tape material	PVC	胶带规格 Tape specs	宽度9外径80内径38 (可定制) Length:9 outer diameter:80 inner diameter:38 (customizable)
重量	Weight	200kg	外观尺寸 Dimensions	L3300 × W650 × H1400mm

HBQ-360 四头绞线机

HBQ-360 FOUR-WIRE TWISTING MACHINE



产品介绍 Introduction

HBQ-360 四头绞线机主要应用于线束加工领域，可对线束进行双股绞合处理；

HBQ-360 四头绞线机为提高客户生产绞合线的效率而专门设计，对未经加工和已进行端子压接等操作的线束均可处理，采用伺服系统控制，速度快，精度高，四工位可同时进行工作，提高工作效率。

HBQ-360 is mainly used to produce twist pairs in the fields of wire harness processing. With a special design to increase the production efficiency of twisting wires, HBQ-360 can process the wires with or without terminals. Because of the servo system control, the twisting process is carried out with high speed and precision. the four work stations can work simultaneously in order to increase the production efficiency.

特性 Features

- **精密微调结构设计**：通过爪手机构和伺服控制机构实现高精度的节距；
- **变频控制恒扭矩电控设计**：在绞合过程中保证扭矩恒定；
- **高效**：四工位可同时工作,提高工作效率；
- **自动夹线**：自动感应夹线,免去人工操作按钮的时间。
- **Fine and precise dial structure**: clamp mechanism and servo control mechanism for highly precise pitch;
- **Variable-frequency control and constant torque design**: Constant torque is assured when twisting wires;
- **High efficiency**: Four work stations work together to increase the work efficiency;
- **Automated clamp**: Clamp with automatic sensing to save the time of pressing buttons manually.

技术参数 Specifications

线径范围	Wire Cross Sections	0.13~4mm²	节距精度	Pitch Accuracy	± 10%
绞线长度	Twisting length	150~8000mm (可定制Customizable)	外观尺寸	Dimensions	L3300×W715×H1400mm (L定制Customizable)
绞线速度	Twisting Speed	3000r/min (max)	电 源	Power Supply	AC220V/50Hz
开口长度	Untwisted Length	30~100mm	气 源	Air Supply	0.5~0.6MPa
绞线数量	Twisting Number	2/3pcs	功 率	Power	500W

HBQ-067 胶带捆扎机

HBQ-067 TAPE BUNDLER

产品介绍 Introduction

HBQ-067 胶带捆扎机主要应用于线束加工领域，可对电线进行捆扎、标记，固定处理。
HBQ-067 Tape Bundler is generally used to bundle,mark,and fixed to the harness.



用户界面 User interface



成品 Finished product

特性 Features

- 辅助夹紧，自动捆扎，降低工作强度同时提升效率；
- 可设置圈数和线径，自动计算胶带长度和预留长度进行捆扎；
- 可自动感应线径大小，保存不同参数进行捆扎；
- 可自动设置多个程序，保存不同参数进行捆扎。

Auxiliary clamping, automatic bundling, and the work efficiency is improved as work strength is reduced;

easy setup of the number of turns and wire cross sections and automatic calculation of the tape length and the reversed tape length for bundling;

Detects the wire cross section automatically and calculate the required tape length for bundling;

Lots of procedures can be set to save different parameters for bundling.



技术参数 Specifications

型 号	Type	HBQ-067	捆扎范围	Bundling range	直径 (Diameter) 2~12mm
电 源	Power Supply	220V	胶带外径	Tape outer diameter	170mm (max)
气 源	Air Supply	0.5~0.6MPa	胶带内径	Tape inner diameter	38mm/76mm(customizable)
缠绕速度	Winding speed	可调节 (Adjustable)	胶带宽度	Tape width	20~50mm
重 量	Weight	50kg	外形尺寸	Dimensions	L550 × W650 × H385mm

HBQ-320 扎带枪

HBQ-320 CABLE TIE GUN

产品介绍 Introduction

HBQ-320 扎带枪是一款能够实现快速拉紧、多方位剪切扎带的手动工具。

HBQ-320 Cable tie gun is a manual tool to bundle the cable ties tight and cut down the cable ties in any directions.



产品特性 Feature

- **小巧精致**: 外形相比同类产品轻便，流线型设计，圆角过渡，符合人体工程学；
 - **拉力可调**: 8档调节,可适用于不同规格的扎带；
 - **灵活**: 枪头可360° 旋转，可适应复杂环境；
 - **寿命长**: 弹簧钢50HRC，硬度高，韧性好，寿命长；
 - **支持悬挂**: 两个挂钩机构。（置于枪杆的后方和手柄底部）
- **Small and delicate**: More portable than the other similar product; fairshaped design, smooth round corner and conform to Ergonomics;
 - **Adjustable pull force**: 8 classes adjustment for different sizes of cable ties;
 - **Flexible**: The gun head spinning 360° for complex use situations;
 - **Long life**: Spring steel 50HRC for high hardness, good toughness and long life;
 - **Mountable**: Two hanging mechanism (at the rear of gun body and the bottom of the handle).

技术参数 Specifications

型号	Type	HBQ-320	扎带适用范围	Cable ties sizes	1.9~7.2mm
档位	Step NO.	8档step	旋转角度	Turning angle	360°
重量	Weight	255g	外形尺寸	Dimensions	L200 × W40 × H135mm



TLZ-4/TLZ-5 型线束装配流水线
TLZ-4/TLZ-5 WIRE HARENESS ASSEMBLY LINE

产品介绍 Introduction

该机为双面落地式/悬挂式回转流水线，具有如下特点：

- 可双面作业，工作台运行平稳，刚性好；
- 采用变频装置，运行速度可实现无级调速；
- 可选配显示屏，显示线束车型，实际、计划产量等；
- 操作时备有急停装置；
- 本结构随时可增加或减少工位，拼装简便；
- 占地面积小。

The machine is a floor-standing/suspended assembly line, with the following features:

- Can be double-sided operated, workstations running smoothly, better rigidity;
- Using frequency conversion device, stepless speed regulation can be realized;
- With Selective Display screen , Car model;
- Practical and theoretic output can be displayed;
- Emergency Stop Device provided for operation;
- The working position can be increased or reduced at any time, easy to assembly;
- Small space taking up.



技术参数 Specifications

型号	Type	TLZ-4/TLZ-5
电源	Power Supply	AC380V/50Hz
速度范围	Speed Range	0.5~5m/min
功率	Power	1.5KW
台架长度	Workbench Length	按客户要求定做 Customs available upon request

HBQ-Z211 卡扣安装设备

HBQ-Z211 BUCKLE INSTALLATION MACHINE

产品介绍 Introduction

HBQ-Z211 卡扣安装设备，是一款用于装配护套线后堵（卡扣）的设备，在实际生产中，使用此设备对需要装配的护套线产品进行装配，在装配的过程中能对产品起到良好的保护作用。体积小，功能强，效率高，运行稳定，适用性强，易操作维护。

HBQ-Z211 Buckle installation machine, is used for assembling the back plug (snap) of the sheathing wire. In production, using this machine to assemble the sheathing wire products that need to be assembled can play a good role in protecting the products during the assembly process. Small size, high function, high efficiency, stable operation, high applicability and easy to operate and maintain.

功能 Function

- 震盘上料：**自动上料，料道头处设有传感器对物料进行方向检测，确保无反料；
- 产品装配：**自研方案，护套线装配过程中对电线进行保护，确保装配过程不伤线，并且对后堵（卡扣）的撑开幅度较小，保护后堵（卡扣）的产品性能；
- 装配完成检测：**装配完成后，对后堵（卡扣）安装深度进行检测，保证安装质量。

Vibration plate loading: automatic loading, with sensors at the head of the material path to detect the direction of the material, to ensure that there is no reverse material;
Product assembly: self-researched solution to protect the wire during the assembly of the sheathing wire, to ensure that the assembly process does not hurt the wire, and to protect the product performance of the back plug (buckle) with a small opening amplitude;
Inspection of the finished assembly: after the assembly is completed, the installation depth of the back plug (buckle) is inspected to ensure the quality of the installation.

特性 Features

- **安装效率高：**平均8秒钟安装一个后堵（卡扣）；
- **占地面积小：**设备集中度高，布置紧凑L1200mm、W980mm、H1800mm；
- **操作界面简易：**上手快，易操作，配方调整方便快捷；
- **模块化设计，扩展能力强：**可根据客户需求做出调整，适配同类型不同尺寸的产品。
- **High installation efficiency:** an average of 8 seconds to install a back plug (buckle);
- **Small footprint:** high concentration of equipment, compact arrangement L1200mm, W980mm, H1800mm;
- **Easy to operate interface:** quick to get started, easy to operate, convenient and fast article adjustment;
- **Modular design, strong expansion capability:** can be adjusted according to customer needs, adaptable to different sizes of the same type of products.

技术参数 Specifications

型号	Type	HBQ-Z211
电源	Power Supply	AC220V/50Hz
功率	Power	2.2kW
气源	Air Supply	0.5-0.7MP
重量	Weight	400kg
尺寸	Dimensions	L1200×W980×H1800mm



HBQ-G401 力矩工作站

HBQ-G401 TORQUE WORKSTATION

产品介绍 Introduction

HBQ-G401 是一台半自动打螺丝设备，主要用于螺母拧紧，螺母拧紧扭矩数值可实时上传MES系统，以供追溯，设备具备多颗螺丝拧紧防错，螺丝拧紧顺序防错，多颗螺丝拧紧扭矩自定义设置，开机扭力点检，扫码读取产品，电批拧紧扭力超高/超低报警，生产日志可查询，智能电批使用日本进口CORETEC(柯艾泰克)，上位机程序软件为海昌智能自己开发，可极大的满足客户定制化需求。

整机主要由机架、帆布兜（托线用）、平衡机械臂、上位机、PLC、显示器组装、工装夹具构成；夹具可根据客户产品外形定制设计；设备具备防错防呆功能，设定的螺丝未作业完或拧紧失败，设备则自动锁住产品并报警，需授权人员方可解锁，可有效的避免不良品流入下一工序。

HBQ-G401 is a semi-automatic screw equipment, mainly used for the nut screw. Nut tightening torque values can be traceable and upload in MES system real-time. This equipment has function of screws tighten mistake proofing and screw order mistake proofing, Screw Torque Set, Torsion Check, Quickmark Code, Tightening Torque High/low Alarm, Production Record, Intelligent electric batch CORETEC from Japan, the copyright of host computer program software reserved by Hacint, can greatly meet customer customization needs;

The machine is mainly composed by machine frame, canvas tray, the balance arm, host computer, PLC, displayer. fixture.The fixture can be customized according to customer product appearance.

The equipment has proofing function for mistake and idle material. If screw setting not finished or tighten screw failure, the equipment will automatically hold and alarm, only the authorized personnel can relieve it, This can effectively prevent screw loose or defective materials flow into the next process.

特性 Feature

● 智能化防错

- ①开机点检，确保电批输出扭力值处于高精度状态；
- ②锁付报警，未达到拧紧值，设备报警，并自锁；
- ③位置报警，编码器控制螺丝拧紧坐标，对应坐标方可实施螺丝拧紧；
- ④扫码识别，使用扫码枪快速识别产品，绑定扭力值。

● 便捷式操作

- ①配备有帆布兜，方便大线束，多线束储存；
- ②目视化软件管理，问题原因快速识别。

● 操作安全性

独立启动按钮，程序防呆，放完产品后，再启动，防止误操作。

● Intelligent Error Proof

- ①Start up and check to ensure high precision torque value of electric batch;
- ②If failed to reach the tightening value, the equipment will alarm and self-lock;
- ③Position alarm, encoder controls screw tightening axes, the corresponding axes will implement screw tightening;
- ④Quickmark recognition, using barcode scanner quickly identify products, and set torque value.

● Convenient operation

- ①Equipped with canvas tray, convenient to store big size wire and multi-wire harness;
- ②Visual software management, quickly identify problem causes.

● Safety

Independent start button, idle materials controlled by program. Restart after placing the materials to prevent misoperation.



技术参数 Specifications

外观尺寸	Dimensions	1010x910x1956,(工作台高度 height of workbench≈840, 单位: mm)	锁紧螺丝范围	Screws	M5 - M12螺母/螺丝锁紧
操作系统	Software	PC WIN10(正版系统),HACINT控制软件 controlling software			M5 -M12 Nut/Screw locking
电批（标配）	Electric Screw Driver	CORETEC(柯艾泰克)	噪声	Noise	<60 dB (A)
扭力范围	Torque range	5-22N · m	扭力点检	Torque Check	有 available
扭力精度	Torque Accuracy	± 1.5%	扫码功能	Barcode	有 available
电批转速	Speed	540rpm/min	坐标显示	Axes Display	有 available
电批属性	Performance	智能电批，附带控制软件，支持C-LINK,DEVICENET,ProfibusDP总线板卡 Intelligent with control software,C-LINK, DEVICENET, ProfibusDP card	接口类型	Port	USB, RS232,
			功率	Power	500W
			电源	Power Supply	220V/50Hz
			气源	Air Supply	0.5Mpa - 0.7Mpa
			重量	Weight	113kg

★ 可选配视觉检测模块 Vison inspection module is optional.

HBQ-K602 保险盒压装机

HBQ-K602 FUSE BOX CRIMPING MACHINE

产品介绍

Introduction

HBQ-K602 保险盒压装机主要应用在汽车线束行业，采用视觉和三轴伺服精准按压，可实现产品错漏装的检测和精准压力波形的输出。设备动作流程：人工上料→扫码→启动→相机检测→伺服压入→压力传感器输出曲线→压入完成后人工下料。

HBQ-K602 fuse box crimping machine is mainly used in automotive wiring harness industry. It adopts visual and three-axis servo precise crimping, which can realize the detection of wrong and missing assembly of products and the output of accurate pressure waveform.

Action process: manual feeding-code scanning-start-camera detection-servo crimping-pressure sensor output curve-manual unloading after crimping.

特性

Features

- 本机颜色统一以工业灰为基调，整体结构简洁大方；
- C/T: 1S/Pcs(1秒/孔)；
- 独立的显示屏，完美呈现视觉检测和压力曲线；
- 友好的人机界面，提高了可视性和操作性。
- The machine takes the commercial gray as the basic color, the overall structure is simple and generous;
- C/T:1S/PCS;
- Separate display perfectly displays visual detection and pressure curves;
- Friendly PC interface enhances the visibility and operability.



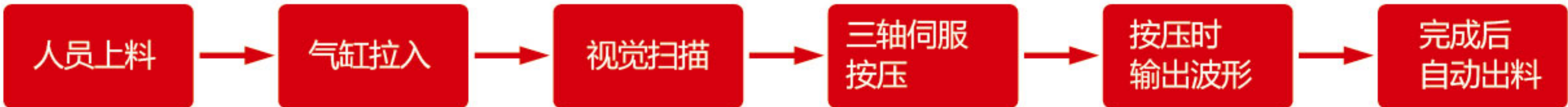
技术参数

Specifications

设备尺寸	Dimensions	L1200×W1000×H1800mm 可根据客户需求定制	L1200*W1000*H1800mm Customs available upon request
电源	Power Supply	220V	220V
电机	Motor	松下400W	Panasonic 400W
视觉CCD	Visual CCD	拍摄速度：3s/次	Shooting speed 3s/time
压力监测	Pressure Monitoring	实时监测	Real-time
气源	Air Supply	0.5MPa-0.7MPa	0.5MPa-0.7MPa
安全光栅	Safety Grating	基恩士1级	Keyence level 1

自动化流程

Automation process



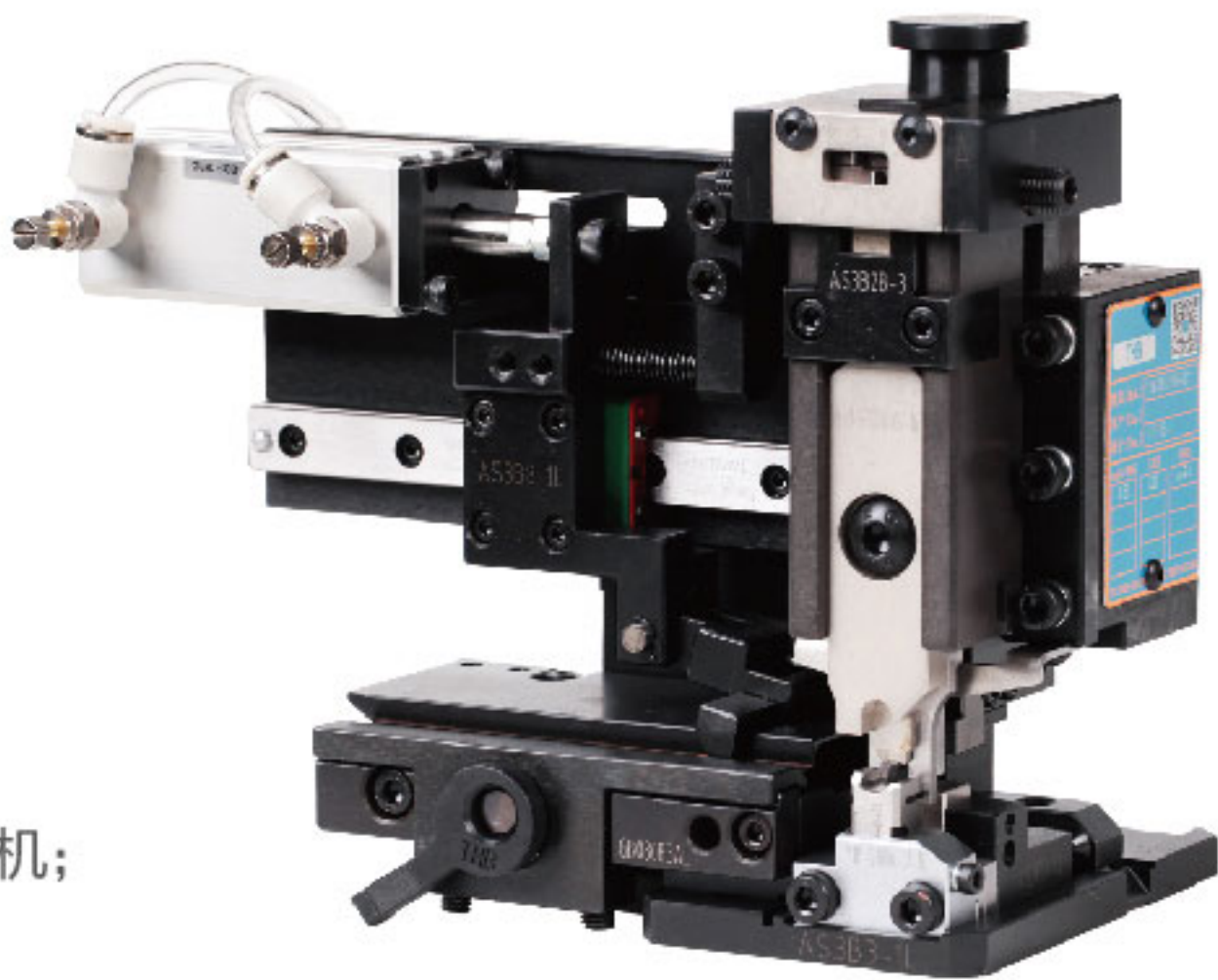
Manual feeding-cylinder pull in-visual scanning-three-axis servo crimping-output wavelength when crimping-automatic discharging

YJM-AFS300I/YJM-AFE300I 型压接模具

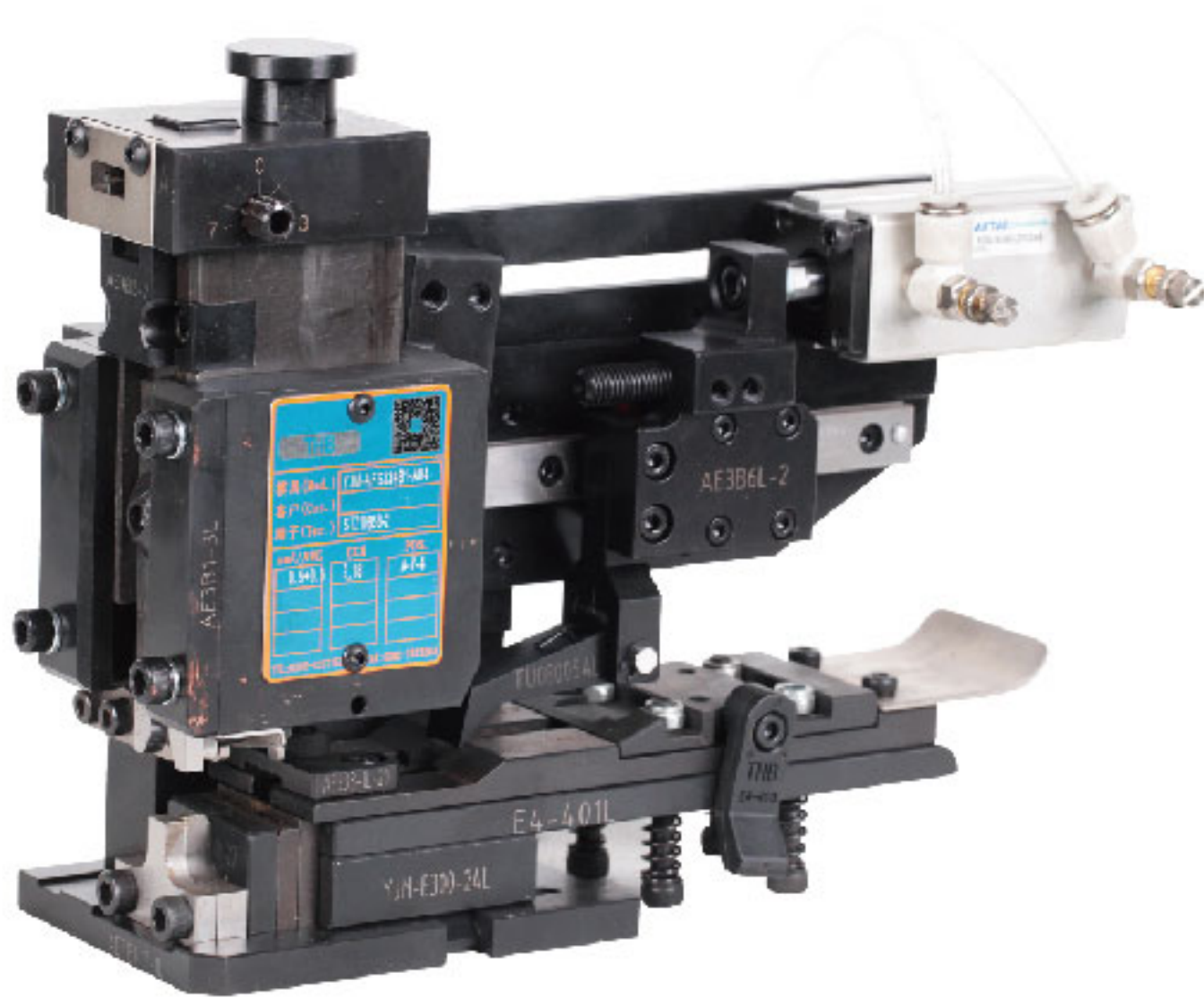
YJM-AFS300I/YJM-AFE300I CRIMPING APPLICATOR

产品介绍 Introduction

- **调节系统:** 盘式和楔块式两种结构可供您选择, C.H./I.H.调节精度 0.02mm, 调节范围2.0mm, 调节节奏感强, 刻度易识别, 满足您对压接质量的“苛刻”要求;
 - **模块化结构:** 便于调整和维护, 超强柔性缔造无限拓展空间, 经济实惠;
 - **气动送料机构:** 40mm送料步距轻松实现, 送料速度顺手可调, 有紧凑型气缸和带导向气缸两种方案可供选择, 精密直线运动单元让您从此不再走“弯”路; 内置阀精准有序;
 - **换向阀结构:** 内置换向, 稳定可靠;
 - **快换机构:** 完美匹配KOMAX、AMP、MECAL等欧美品牌的半自动和全自动压接机;
 - **计数器(附件):** 如有要求, 可提供循环式7位计数器, 准确记录冲压次数;
 - **技术文件:** 提供完整的使用、保养说明书, 如有要求, 也可提供机器能力研究、断面分析报告等文件;
 - **超强抗锈:** QW表面处理;
 - **产品追溯:** 每个零件都拥有自己的ID.
- **Adjustment:** Can be supplied either with a continuous or a wedge regulating head, providing a 0.02mm resolution for C.H./I.H. and a 2.0mm range, which satisfies your rigorous demand on the crimping quality;
- **Modularized framework:** Can be adjusted and maintained conveniently;
- **Pneumatic feeding mechanism:** Terminal pitch 40mm become true easily and feeding speed can be adjusted with facility, can be supplied either with shot stroke cylinder or oriented cylinder for choice, which can enable you to operate the machine freely; built-in valve makes the directions change precise and orderly;
- **Reversing value structure:** Build-in reversing value is stable and reliable;
- **Switch system:** Can be fitted to semi-automatic and fully automatic crimping machine for Occident brand such as KOMAX, AMP, MECAL and so on;
- **Cycle counter:** The 7 digit cycle counter can record the pressing times accurately upon request;
- **Technical documentation:** You can get a complete technical documentation containing all the information needed to safely use and correctly maintain the equipment. Upon request, a capability study & Cross-section Analysis can be provided;
- **Strong resistance to rust:** QW surface plating;
- **Production tracking:** Laser labeling for each part-unique ID.



● YJM-AFS300I



● YJM-AFE300I

技术参数 Specifications

型 号	Type	YJM-AFS300I	YJM-AFE300I
行 程	Stroke	40mm	
料带形式	Feed Type	横向Side Feed	纵向End Feed
闭合高度	Shut Height	135.78mm(5.346in)	
重 量	Weight	5kg	
线径范围	Wire Cross Sections	0.08~6mm ² (9~28AWG)	
外形尺寸	Dimensions	L180×W155×H110mm	
适应端子料厚	Terminal thickness	1.2mm(max)	
送料机构	Feeding system	气动 pneumatic	
送料步距	Terminal Pitch	40mm(max)	

★ 相关产品 Related Products

- | | |
|--------------------|------------------------------|
| HBQ-2040EB 型端子压接机 | HBQ-2040EB Crimping Machine |
| HBQ-X4040EB 型端子压接机 | HBQ-X4040EB Crimping Machine |
| HBQ-8040E 型端子压接机 | HBQ-8040E Crimping Machine |

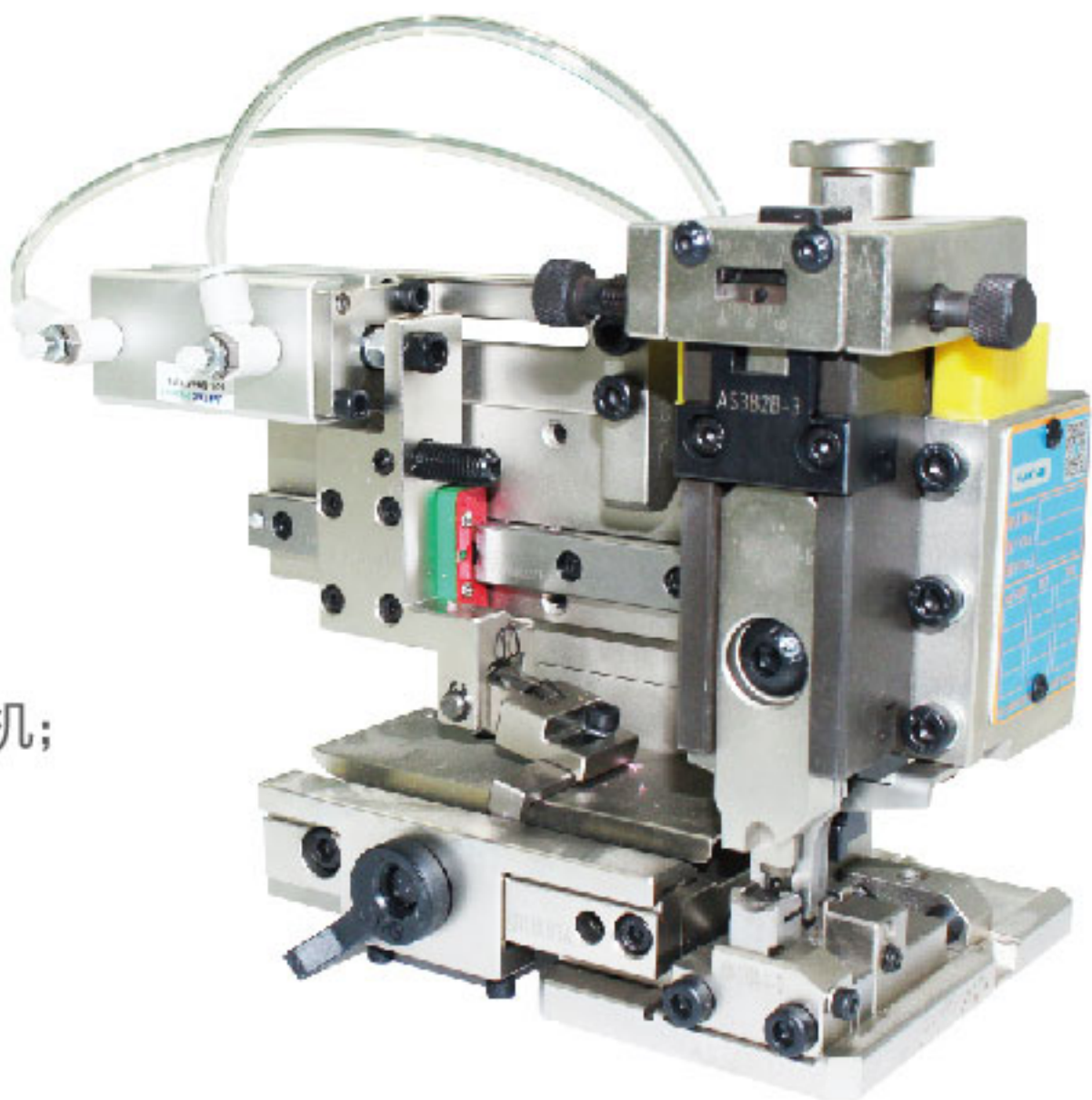
AS3B0/AE3B0 型压接模具

AS3B0/AE3B0 CRIMPING APPLICATOR

产品介绍

Introduction

- **调节系统:** C.H./I.H.调节精度0.02mm，调节范围2.0mm，调节节奏感强，刻度易识别，满足您对压接质量的“苛刻”要求；
- **模块化结构:** 便于调整和维护，超强柔性缔造无限拓展空间，经济实惠；
- **快换机构:** 完美匹配KOMAX、AMP、MECAL等欧美品牌的半自动和全自动压接机；
- **技术文件:** 提供完整的使用、保养说明书，如有要求，也可提供机器能力研究、断面分析报告等文件；
- **超强抗锈:** 镀镍处理；
- **产品追溯:** 每个零件都拥有自己的ID。

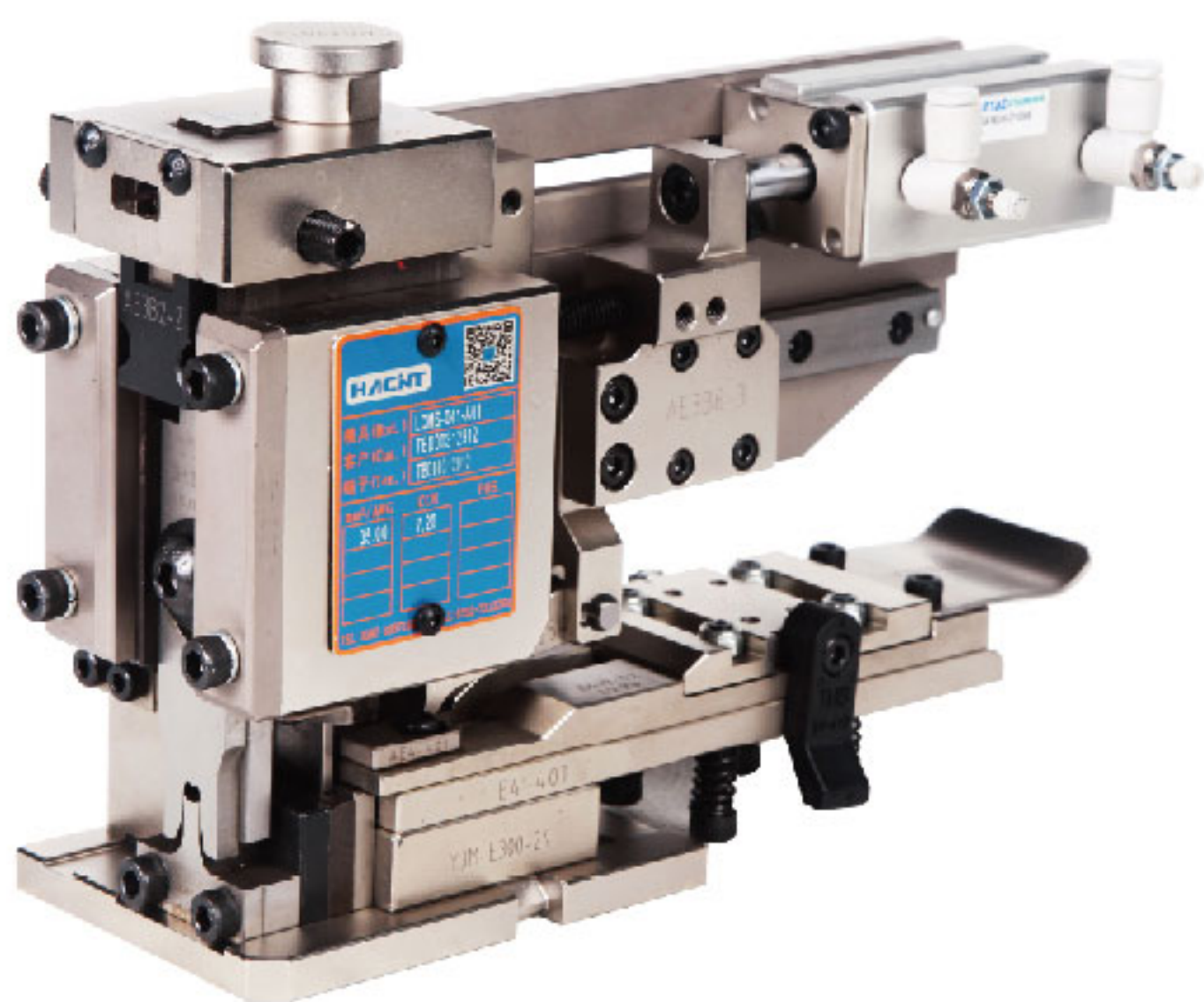


• AS3B0

- **Adjustment:** Can be supplied either with a continuous or a wedge regulating head, providing a 0.02mm Resolution for C.H./I.H.and a 2.0mm range, meet your demands on crimping quality;
- **Modularized framework:** Can be adjusted and maintained conveniently;
- **Switch system:** Can be fitted to semi-automatic and fully automatic crimping machine for Occident brand such as KOMAX, AMP, MECAL and so on;
- **Technical documentation:** You can get a complete technical documentation containing all the information needed to safely use and correctly maintain the equipment. Upon request, a capability study & Cross-section Analysis can be provided;
- **Strong resistance to rust:** Surface plating (Ni) ;
- **Production tracking:** Laser marking for every part.

技术参数

Specifications



• AE3B0

型 号	Type	AS3B0	AE3B0
行 程	Stroke	40mm	
料带形式	Feed Type	横向Side Feed	纵向End Feed
闭合高度	Shut Height	135.78mm(5.346in)	
重 量	Weight	4kg	
线径范围	Wire Cross Sections	0.08 ~ 6mm²(9~28AWG)	
外形尺寸	Dimensions	L195 × W155XH70mm	
适应端子料厚	Terminal thickness	1.2mm(max)	
送料机构	Feeding system	气动 pneumatic	
送料步距	Terminal Pitch	40mm(max)	

★ 相关产品

Related Products

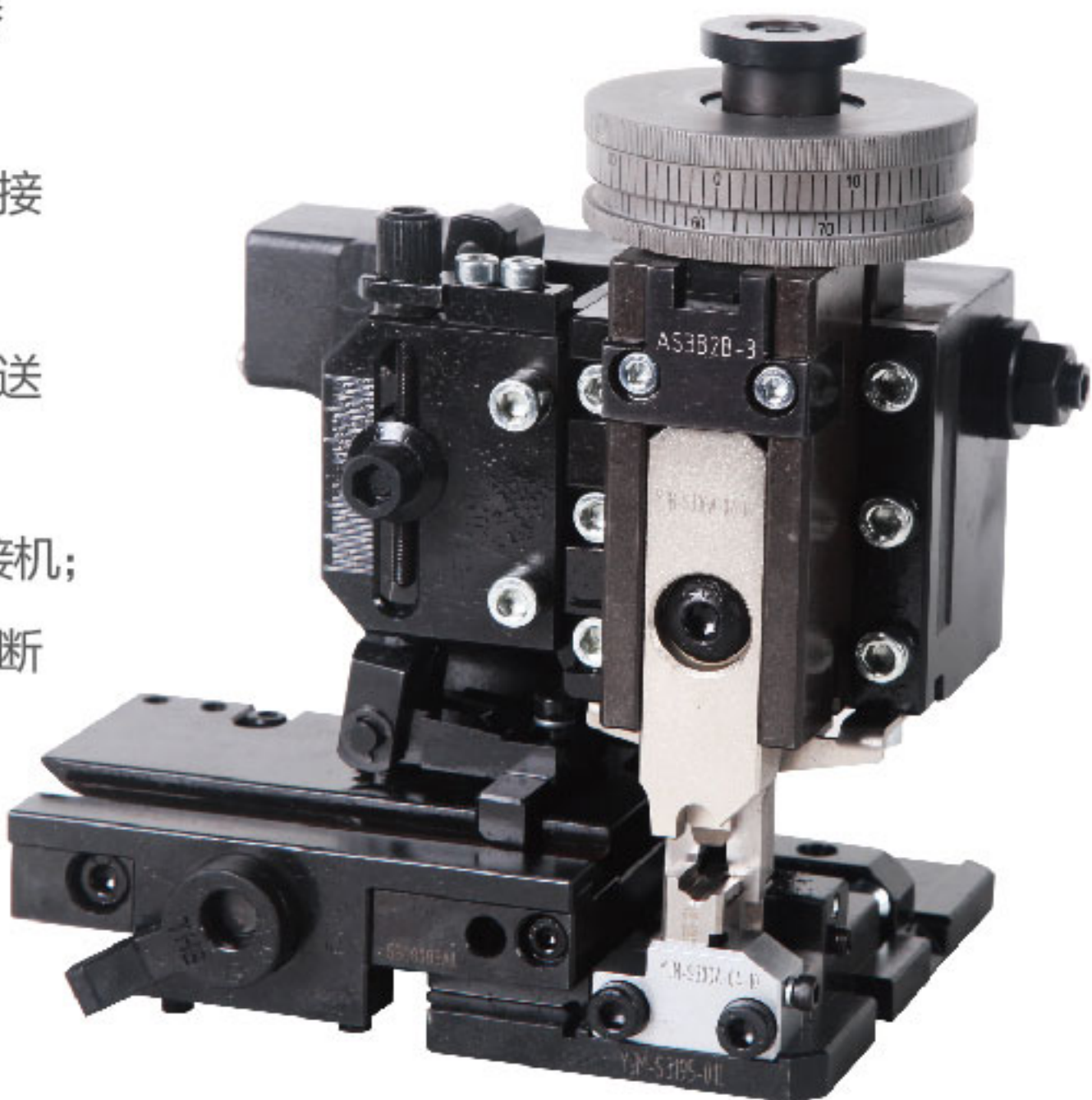
- HBQ-2040EB 型端子压接机
- HBQ-2040EB Crimping Machine
- HBQ-X4040EB 型端子压接机
- HBQ-X4040EB Crimping Machine
- HBQ-8040E 型端子压接机
- HBQ-8040E Crimping Machine

S3D 型压接模具

S3D CRIMPING APPLICATOR

产品介绍 Introduction

- **调节系统:** C.H.调节精度0.01mm和0.02mm两种，调节范围2.0mm，调节节奏感强，刻度易识别，满足您对压接质量的“苛刻”要求；
- **模块化结构:** 便于调整和维护，超强柔性缔造无限拓展空间，彻底打破端子与压接模具1:1的格局，经济实惠；
- **送料机构:** 同时为您提供前送料（半自动）和后送料（全自动）两种解决方案，送料步距可见；
- **快换机构:** 完美匹配KOMAX，AMP，MECAL等欧美品牌的半自动和全自动压接机；
- **技术文件:** 提供完整的使用、保养说明书，如有要求，也可提供机器能力研究、断面分析报告等文件；
- **超强抗锈:** QW表面处理；
- **产品追溯:** 每个零件都拥有自己的ID。



- **Adjustment :** C.H/I.H adjustment accuracy of 0.01mm and 0.02mm, adjustment range of 2.0mm, adjust the rhythm sense, the scale is easy to identify, to meet your "demanding" requirements for crimp quality;
- **Modular structure:** easy to adjust and maintain, super flexible to create unlimited expansion space, completely break the terminal and crimpMold 1:1 pattern, affordable;
- **Feeding mechanism:** At the same time, we provide you with two solutions: pre-feed (semi-automatic) and post-feed (automatic).
The material step is visible;
- **Quick change:** a semi-automatic and fully automatic crimping applicator machine that perfectly matches European and American brands such as KOMAX, AMP, and MECAL;
- **Technical documents:** provide complete instructions for use and maintenance, and provide machine capability studies and breaks if required.Surface analysis report and other documents;
- **Strong resistance to rust:** QW surface plating;
- **Production tracking:** Laser labeling for each part-unique ID.

技术参数 Specifications

型 号	Type	S3D
行 程	Stroke	40mm
料带形式	Feed System	横向Side Feed
闭合高度	Shut Height	135.78mm(5.346in)
线径范围	Wire Cross Sections	0.08~6mm²
适应端子料厚	Terminal Thickness	1.2mm(max)
送料机构	Feed system	机械Mechanical
送料步距	Terminal Pitch	30mm(max)
外形尺寸	Dimensions	L156 × W156XH120mm
重 量	Weight	5kg
CH调节精度/范围	CHRegulation/range	0.01和0.02两种

欧式机械压接模具(GS3M2)

GS3M2 CRIMPING APPLICATOR

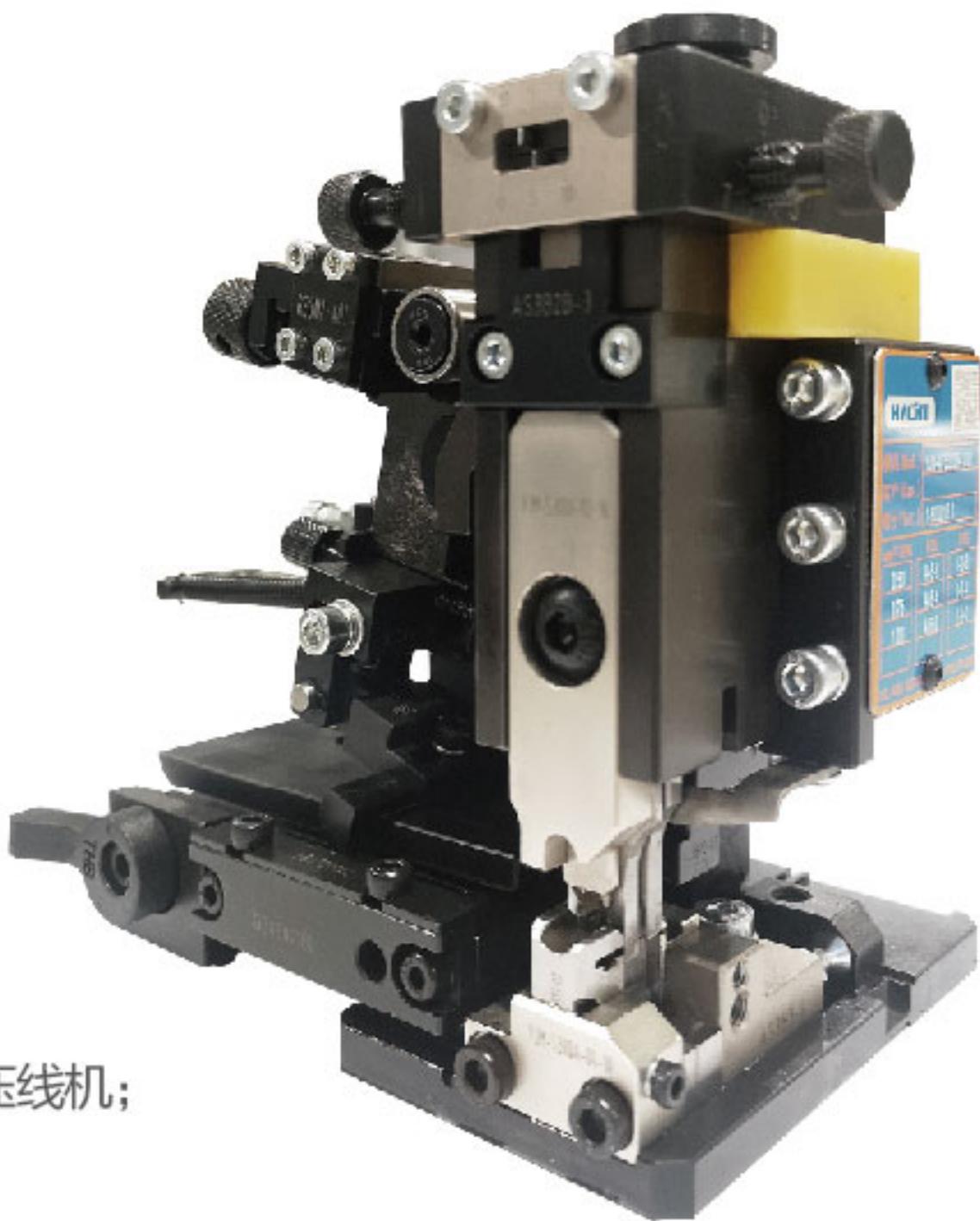
产品介绍 Introduction

GS3M2 压接模具为欧式机械送料模具，采用凸轮送料机构，送料稳定，调节送料方便该模具具有调节方便、压接稳定等优势，能广泛应用于线束加工领域。

GS2M2 applicator, Euro mechanical feed applicator, adopts cam feed mechanism, which ensures stable feeding and easy adjustment. Easy adjustment and stable crimping make GS2M2 applicator widely used in the wire harness industry.

特性 Feature

- **调节系统:** 盘式和楔块式两种结构可以自由切换，C.H./I.H.调整精度0.02mm，调节范围2mm；调节节奏感强，刻度易识别；
 - **托料结构:** 定制化设计，送料稳定；
 - **快换结构:** 完美匹配KOMAX、AMP、MECAL、HACINT等品牌半自动和全自动压线机；
 - **技术文件:** 提供完整的使用、保养说明书，若有要求也可以提供机器能力研究、断面分析报告等文件；
 - **超强抗锈:** QW表面处理；
 - **产品追溯:** 每个零件都拥有自己的ID；
 - **云端数据:** 扫描二维码，实时查看出厂资料信息。
- **Adjustment:** Disk dial and wedge dial can be switched freely. C.H./I.H. can be adjusted with the accuracy of 0.02mm and the range of 2mm. It is more adjustable and easier to operate;
 - **Feeding Mechanism:** Customized design for stable feeding;
 - **Quick Change:** It is fitted to KOMAX、AMP、HACINT crimping applicator machine and automatic crimping applicator machine;
 - **Technical Documentation:** Provide the operation manual. The CMK and cross-section analysis, if necessary, will be offered;
 - **Strong Resistance to Rust :** QW surface treatment;
 - **Product Tracking:** Laser labeling for each part-unique ID;
 - **Cloud data:** Scan QR code on each name plate to get the data of the applicator in real time.



技术参数 Specifications

型号	Type	GS3M2
行程	Stroke	40mm
料带形式	Feed Type	横向 Side Feed
闭合高度	Shut Height	135.78mm (5.346in)
线径范围	Wire Cross Sections	0.08-6.0mm²
端子料厚	Terminal thickness	0.8mm (max)
送料机构	Feeding structure	机械 Mechanical
送料步距	Terminal Pitch	28mm
重量	Weight	5kg
尺寸	Dimensions	L200 × W150 × H170mm

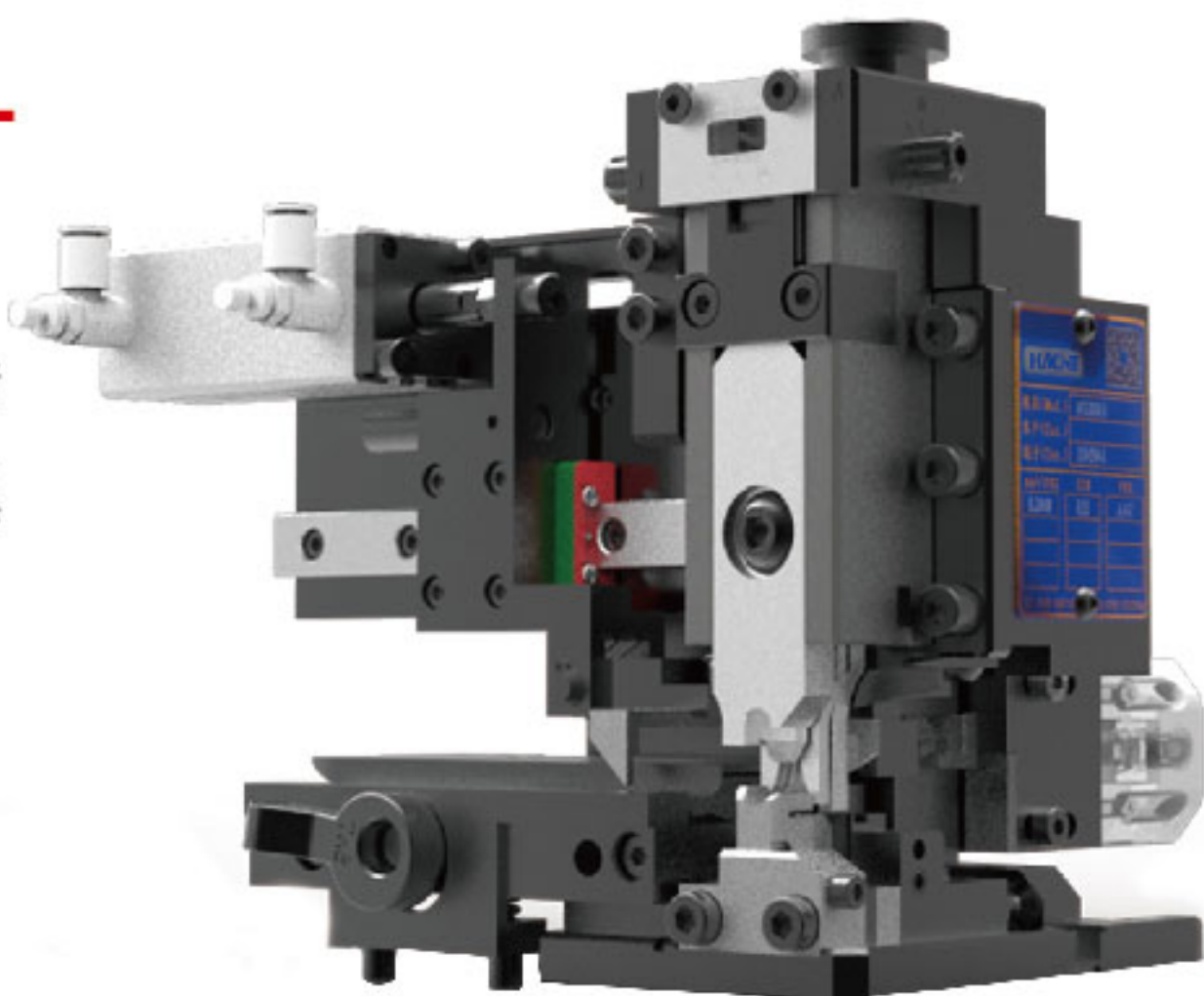
智能芯控压接模具(AFS300B-S)

SENSING APPLICATOR (AFS300B-S)

产品介绍 Introduction

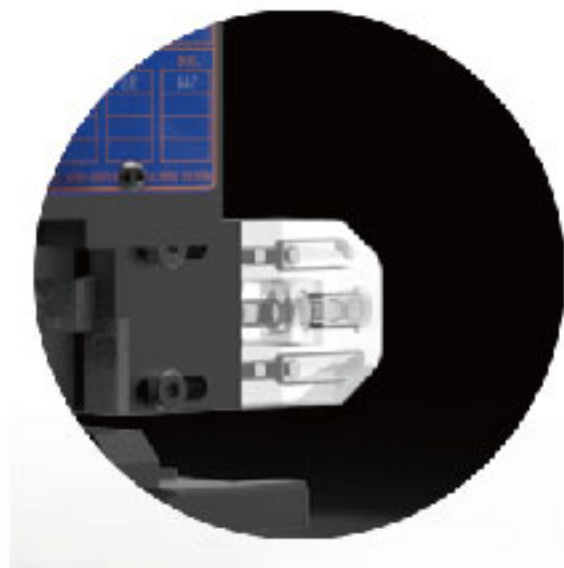
智能芯控压接模具是我司经典型精密模具的升级版-AFS300B-S；为确保半自动压接时每次放线位置一样，保证压接质量一致性而开发；通过导线触发模具上的传感器，而后将信号传递给压接机，再通过脚踏板触发压接机完成压接；该模具还具有调节方便、送料稳定等优势，能广泛应用于线束加工领域。

As the upgrade version of the classic precision applicator, AFS300B-S can ensure a same wire position for every crimping applicator and ensure the consistent crimping applicator quality. The crimping machine could crimp the wires after stepping the pedal only if the wire touched the sensor and the crimping machine got the signal. Easy adjustment and stable feeding make this crimping applicator applicator widely used in wire harness industry.



特性 Feature

- **智能芯控**：搭载传感器，进行智能芯控有效式压接，保证压接导线出头长度的一致性；
- **安全系统**：信号传递，安全可靠；
- **调节系统**：盘式和楔块式两种结构可以自由切换，C.H./I.H.调整精度0.02mm，调节范围2mm；调节节奏感强，刻度易识别；
- **送料机构**：定制化设计，送料稳定；
- **快换机构**：完美匹配KOMAX、AMP、MECAL、HACINT等品牌半自动压线机；
- **技术文件**：提供完整的使用、保养说明书，如有要求，也可提供机器能力研究、断面分析报告等文件；
- **超强抗锈**：QW表面处理；
- **产品追溯**：每个零件都拥有自己的ID；
- **云端数据**：扫描二维码，实时查看出厂资料信息。
- **Sensor control**：Equipped with a sensor and ensure the same protruding of the strands;
- **Safe**：Sensor control for safer operation;
- **Adjustment**：Freely switch between disk dial and wedge dial; The adjustment accuracy of C.H./I.H is 0.02mm and the adjustment range is up to 2mm. strong sense of rhythm and legible scale;
- **Feeding mechanism**：The holder is designed according to the shape of the terminal, which provide a stable feed;
- **Quick change**：Perfectly fit with KOMAX, AMP, MECAL and HACINT press and fully automatic crimping applicator amchine;
- **Technical documentation**：you can get a complete technical documentation containing all the information needed to safely use and correctly maintain the equipment. Upon request, a capability study & Cross-section Analysis can be provided;
- **Strong resistance to rust**：QW surface plating;
- **Production tracking**：Laser labeling for each part-unique ID;
- **Cloud data**：Scan QR code on each name plate to get the data of the applicator in real time.



技术参数 Specifications

型 号	Type	AFS300B-S	线径范围	Wire Cross Sections	0.75-6mm²
行 程	Stroke	40mm	送料机构	Feed mechanism	气动 Pneumatic
端子料厚	Terminal thickness	0.8mm（max）	送料步距	Terminal Pitch	40mm
料带形式	Feed Type	横向 Side Feed	重 量	Weight	5kg
闭合高度	Shut Height	135.78mm（5.346in）	外形尺寸	Dimensions	L200×W150×H170mm

AFS300K 压接模具

AFS300K CRIMPING APPLICATOR

产品介绍 Introduction

AFS300K 压接模具为普通横排模具的升级版，适用于0.35mm²（含）以下线径压接。该模具采用0.01MM调节圆盘，微调送料采用细牙螺杆，调节精度高。可在不
从设备上拆卸模具的情况下直接调节喇叭口，方便快捷。压接时料带前后固定，压
接稳定。

As the newer version of the regular side-feed applicator, AFS300K is applicable for the wire size lower than 0.35mm². The dial of the adjust scale 0.01mm and the fine adjust feed with fine-thread screw provide precise adjustment. It's easy to adjust the bell mouth without removing the applicator from the machine. The terminal strip is fixed in the front and rear, which ensures stable crimping applicator.

该模具具有调节方便、压接稳定等优势，能广泛应用于线束加工领域。

Easy adjustment and stable crimping applicator make AFS300K applicator widely used in the wire harness industry.



特性 Features

- **调节系统**：盘式和楔块式两种结构可以自由切换，C.H./I.H.调整精度0.01mm，调节范围1mm；调节节奏感强，刻度易识别；
 - **托料结构**：定制化设计，送料稳定；
 - **快换结构**：完美匹配KOMAX、AMP、MECAL、HACINT等品牌半自动和全自动压线机；
 - **技术文件**：提供完整的使用、保养说明书，若有要求也可以提供机器能力研究、断面分析报告等文件；
 - **超强抗锈**：QW表面处理；
 - **产品追溯**：每个零件都拥有自己的ID；
 - **云端数据**：扫描二维码，实时查看出厂资料信息。
- **Adjustment**：Disk dial and wedge dial can be switched freely. C.H./I.H. can be adjusted with the accuracy of 0.02mm and the range of 2mm. It is more adjustable and easier to operate;
 - **Feeding Mechanism**：Customized design for stable feeding;
 - **Quick Change**：It is fitted to HACINT、KOMAX、AMP、MECAL crimping machine and fully automatic crimping applicator machine;
 - **Technical Documentation**：Provide the operation manual. The CMK and cross-section analysis, if necessary, will be offered;
 - **Strong Resistance to Rust**：QW surface plating;
 - **Product Tracking**：Laser labeling for each part-unique ID;
 - **Cloud data**：Scan QR code on each name plate to get the data of the applicator in real time.

技术参数 Specifications

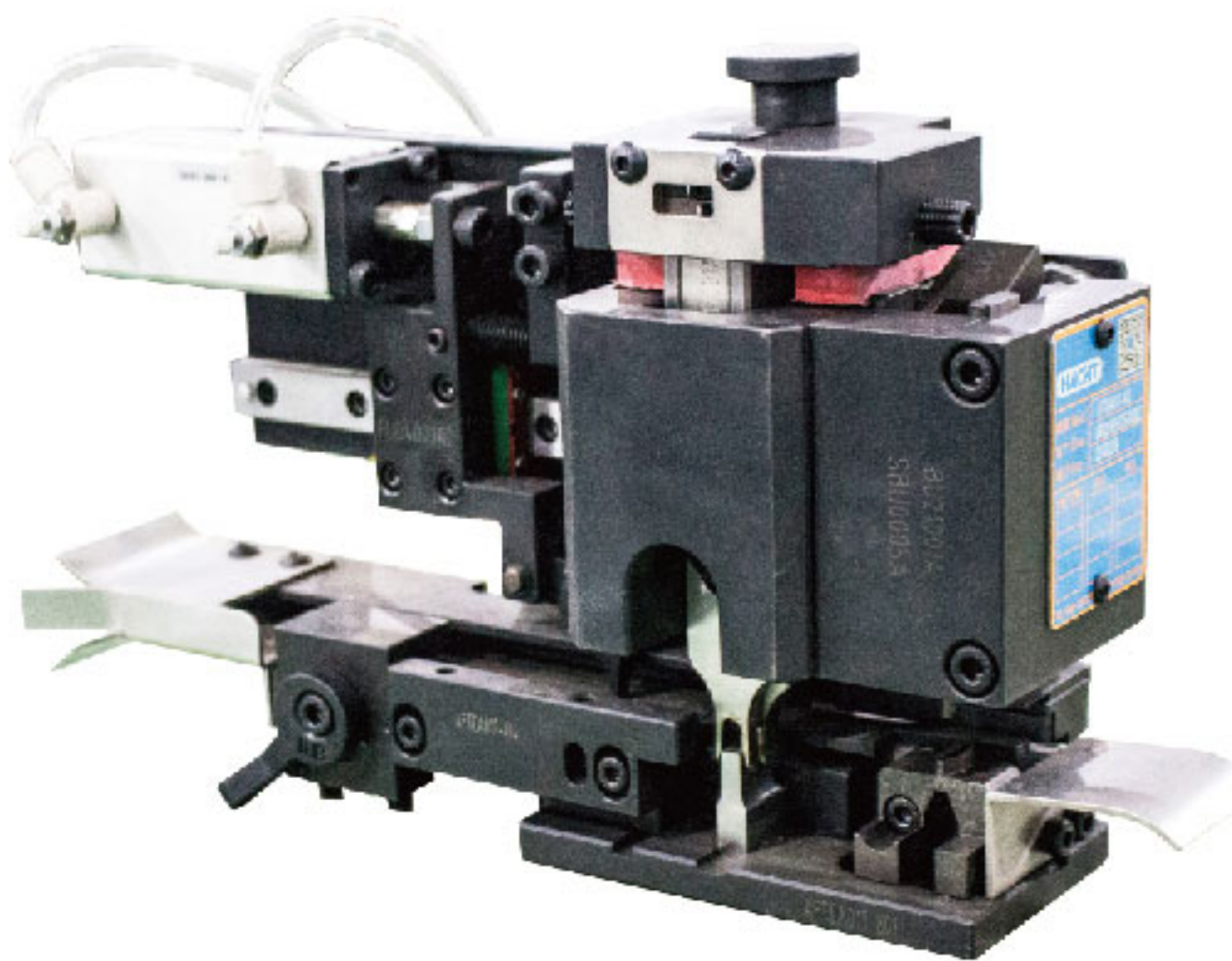
型 号	Type	AFS300K
行 程	Stroke	40mm
料带形式	Feed Type	横向 Side Feed
闭合高度	Shut Height	135.78mm (5.346in)
线径范围	Wire Cross Sections	0.03-0.35mm² (22-32AWG)
端子料厚	Terminal Thickness	0.5mm (max)
送料机构	Feed Structure	气动 Pneumatic
送料步距	Terminal Pitch	40mm
重 量	Weight	5kg
尺 寸	Dimensions	L200×W150×H170mm

AFTCA 计数切断型压接模具

AFTCA COUNTING CRIMPING APPLICATOR

特性 Feature

- **计数切断:** 可以根据需要自由设定并联数目，多次压接，一次切断，特别适用于保险丝组合端子的压接；
 - **调节系统:** C.H./I.H.调节精度0.02mm，调节范围2mm，调节节奏感强，刻度易识别，满足您对压接质量的“苛刻”要求；
 - **送料机构:** 40mm送料步距轻松实现，送料速度随手可调，精密直线单元让您从此不再走“弯”路；
 - **快换结构:** 完美匹配KOMAX、AMP、MECAL等欧美品牌的半自动压接机；
 - **技术文件:** 提供完整的使用、保养说明书，如果您有需要，也可提供机器能力研究、端面分析报告等文件；
 - **产品追溯:** 每个零件都拥有自己的ID。
-
- **Prefabricated pneumatic counter:** avoid of repeatable cut-off each crimped terminal , Terminal number can be reseted freely. Prefabricated pneumatic counter provide the reliable cutting;
 - **Adjustment:** Can be supplied either with a ring or a wedge regulating head, providing a 0.02mm resolution for C.H./I.H.and a 2.0mm range, which satisfies your rigorous demand on the crimping quality;
 - **Pneumatic feeding mechanism:** terminal pitch-40mm become easy and feeding speed can be adjusted freely, highly precise beeline assure you more effective;
 - **Quick Change:** can be fitted to semi-automatic and fully automatic crimping applicator machine for occident brand such as KOMAX、AMP、MECAL and more;
 - **Technical documentation:** you can get a complete technical documentation containing all the information needed to safely use and correctly maintain the equipment. Upon request, a capability study & Cross-section Analysis can be provided;
 - **Production tracking:** Laser labeling for each part-unique ID.



技术参数 Specifications

型号	Type	AFTCA	重量	Weight	6kg
行程	Stroke	40mm	线径范围	Wire Cross Sections	0.08 ~ 6mm ² (9~28AWG)
料带形式	Feed Type	横向 Side Feed	外形尺寸	Dimensions	W330 × H155 × D110mm
送料机构	Feeding system	气动 Pneumatic	适应端子料厚	Terminal thickness	1.2mm(max)
闭合高度	Shut Height	135.78mm(5.346in)	送料步距	Terminal Pitch	40mm(max)

★ 相关产品 Related Products

- HBQ-2040EB 型端子压接机 HBQ-2040EB Crimping Machine
HBQ-X4040EB 型端子压接机 HBQ-X4040EB Crimping Machine
HBQ-8040E 型端子压接机 HBQ-8040E Crimping Machine

NEFTCA-X 型旗形端子压接模具

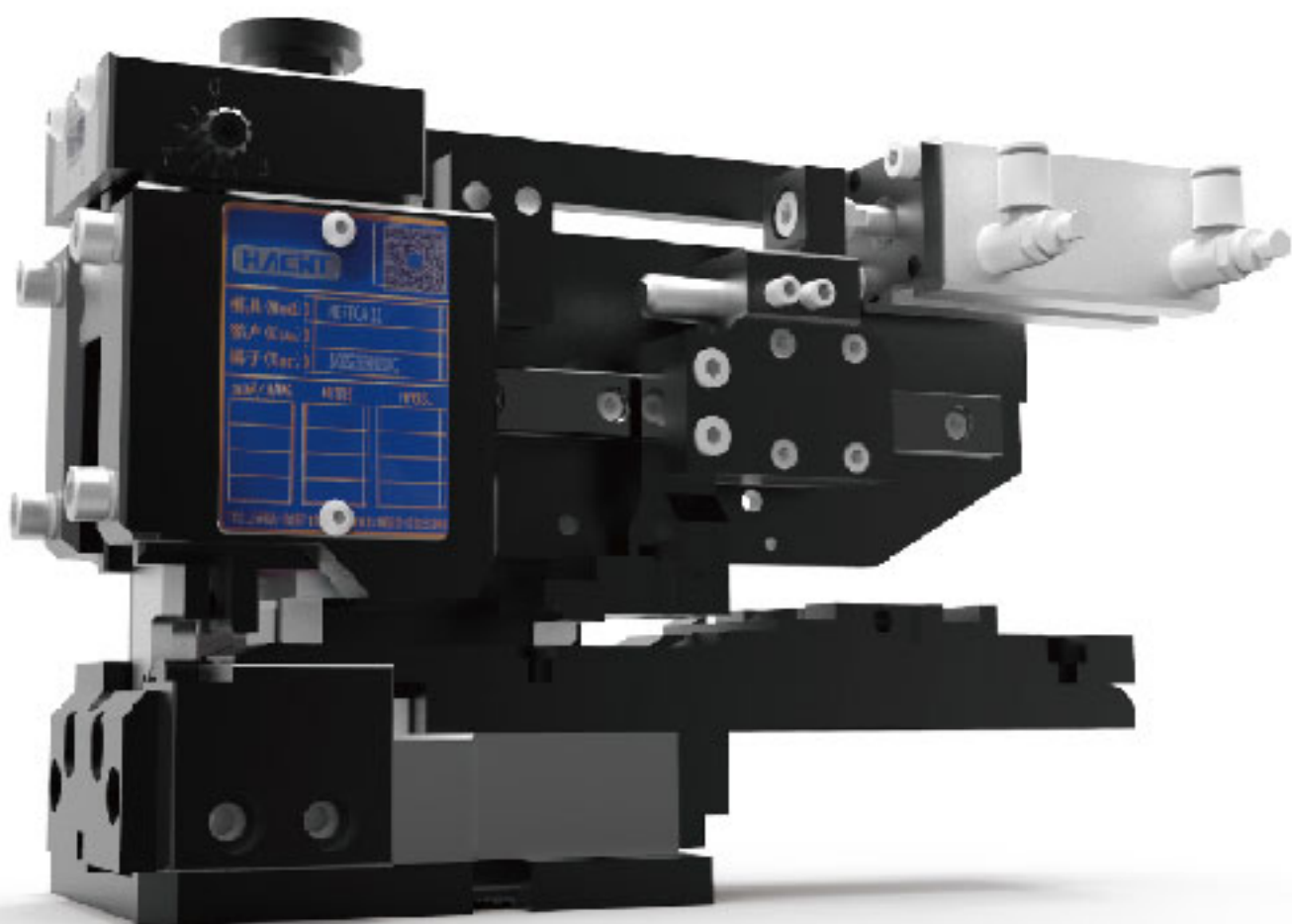
NEFTCA-X FLAG TERMINAL CRIMPING APPLICATOR

产品介绍

Introduction

NEFTCA-X 压接模具为旗型模具的升级版，模具可同时兼容方盘和圆盘挂头，采用模块化设计，实现压接和托料分体脱离，提高压接质量。该模具具有调节方便、送料稳定等优势，能广泛应用于线束加工领域。

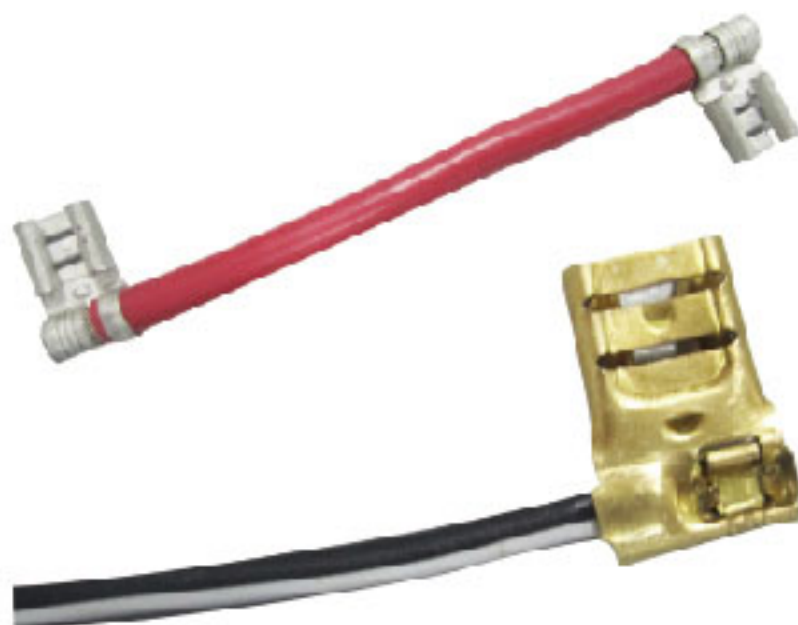
As the upgrade version of the flag-terminal applicator, NEFTCA-X freely switch between disk dial and wedge dial. The modular design makes the crimping unit and feeding unit separate, which provides high quality. Easy adjustment and stable feeding make this crimping applicator widely used in wire harness industry.



特性

Feature

- **调节系统:** 盘式和楔块式两种结构可以自由切换，C.H./I.H.调整精度0.02mm，调节范围2mm；
调节节奏感强，刻度易识别；
 - **送料机构:** 定制化设计，送料稳定；
 - **快换机构:** 完美匹配KOMAX、AMP、MECAL、HACINT等品牌半自动和全自动压线机；
 - **技术文件:** 提供完整的使用、保养说明书，如有要求，也可提供机器能力研究、断面分析报告等文件；
 - **超强抗锈:** QW表面处理；
 - **产品追溯:** 每个零件都拥有自己的ID；
 - **云端数据:** 扫描二维码，实时查看出厂资料信息。
- **Adjustment :** Freely switch between disk dial and wedge dial; The adjustment accuracy of C.H./I.H is 0.02mm and the adjustment range is up to 2mm. strong sense of rhythm and legible scale;
 - **Feeding mechanism:** The holder is designed according to the shape of the terminal, which provide a stable feed;
 - **Quick change:** Perfectly fit withKOMAX, AMP, MECAL and HACINT press and fully automatic crimping applicator amchine;
 - **Technical documentation :** you can get a complete technical documentation containing all the information needed to safely use and correctly maintain the equipment. Upon re quest, a capability study & Cross-section Analysis can be provided;
 - **Strong resistance to rust:** QW surface plating;
 - **Production tracking:** Laser labeling for each part-unique ID;
 - **Cloud data :** Scan QR code on each name plate to get the data of the applicator in real time.



技术参数

Specifications

型 号	Type	NEFTCA-X
行 程	Stroke	40mm
端子料厚	Terminal thickness	0.8mm (max)
料带形式	Feed Type	纵向 End Feed
闭合高度	Shut Height	135.78mm (5.3463in)
线径范围	Wire Cross Sections	0.08~6 mm² (9~28AWG)
送料机构	Feed mechanism	气动Pneumatic
送料步距	Feminal pitch	40mm (1.575in) (max)
重 量	Weight	5kg
外形尺寸	Dimensions	L200 × W100 × H170mm

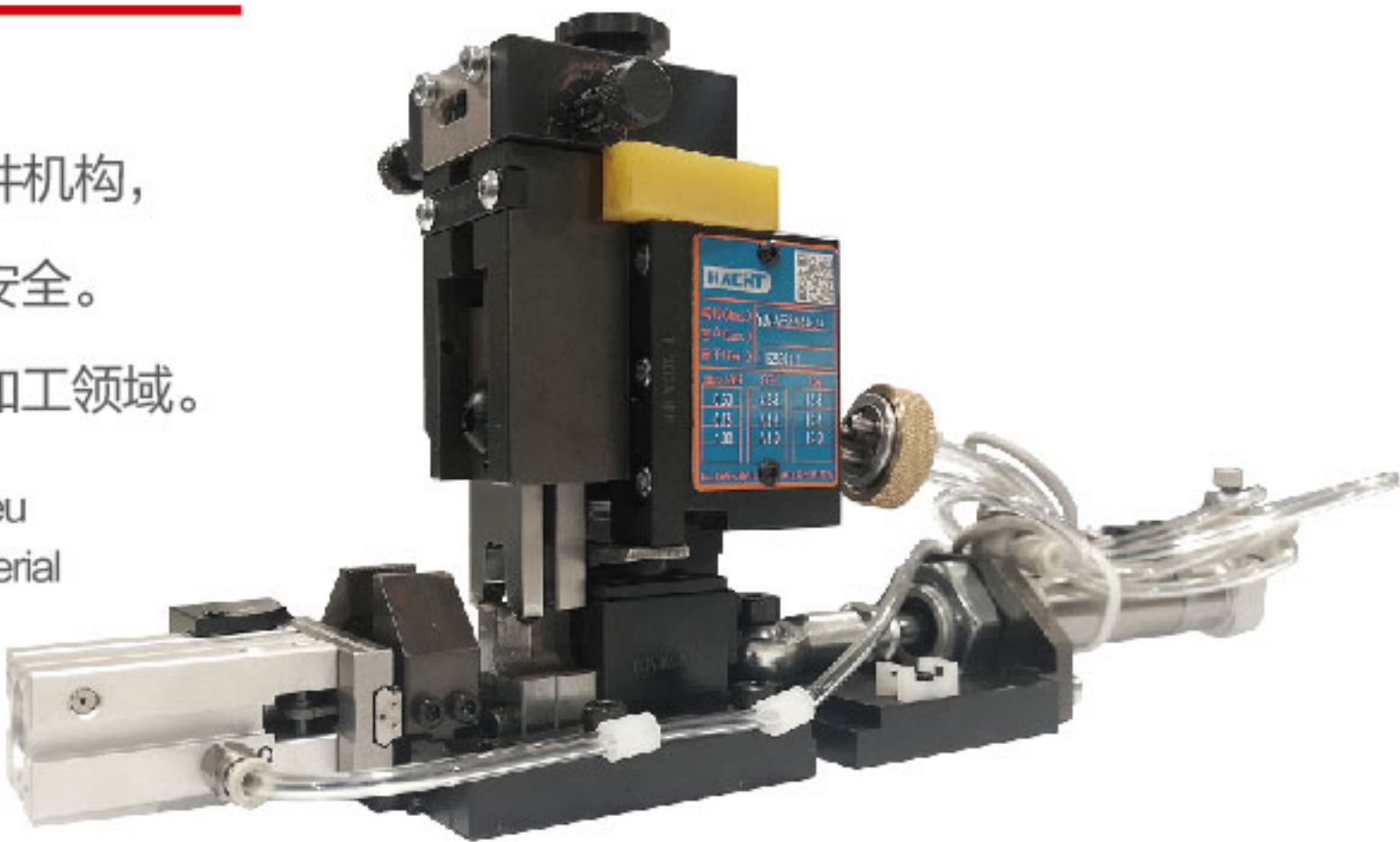
单粒端子压接模具解决方案(ESTA)

ESTA CRIMPING APPLICATOR

产品介绍 Introduction

ESTA 压接模具为普通单粒端子压接模具的升级版，该模具采用气动送件机构，放置物料和压接为两个区域，保证压接质量的同时有效保障了操作者的安全。该模具具有调节方便、送料稳定、操作安全等优势，能广泛应用于线束加工领域。

ESTA is the upgrade version of the applicator for single terminals. This type of applicator has pneumatic feed unit. In order to secure the crimping quality and the safety of the operator, placing material and crimp are performed in separately area. Easy adjustment safety operation and sepatate stable feeding make this crimping applicator widely used in wire harness industry.



特性 Feature

- **调节系统:**

盘式和楔块式两种结构可以自由切换，C.H./I.H.调整精度0.02mm，调节范围2mm；调节节奏感强，刻度易识别；

● **送件结构:**

气动送件机构，性能稳定，确保安全；

● **快换结构:**

完美匹配KOMAX、AMP、MECAL、HACINT等品牌半自动和全自动压线机；

● **技术文件:**

提供完整的使用、保养说明书，若有要求也可以提供机器能力研究、断面分析报告等文件；

● **超强抗锈:**

QW表面处理；

● **产品追溯:**

每个零件都拥有自己的ID；

● **云端数据:**

扫描二维码，实时查看出厂资料信息。
- **Adjustment**

Freely switch between disk dial and wedge dial; The adjustment accuracy of C.H./I.H is 0.02mm and the adjustment range is up to 2mm. strong sense of rhythm and legible scale;

● **Feeding system**

The holder is designed according to the shape of the terminal, which provide a stable feed;

● **Quick change**

Perfectly fit with KOMAX, AMP, MECAL and HACINT press and fully automatic crimping applicator amchine;

● **Technical documentation**

The whole operation and maintenance manual is offered and the performance research and micro-section analysis and so on will be offered, if needed;

● **Strong resistance to rust**

QW surface plating;

● **Production tracking**

Laser labeling for each part-unique ID;

● **Cloud data**

Scan QR code on each name plate to get the data of the applicator in real time.

技术参数 Specifications

型 号	Type	ESTA
行 程	Stroke	40mm
料带形式	Feed Type	单粒 Loose
闭合高度	Shut heigh	135.78mm (5.346in)
线径范围	Wire Cross Sections	0.08-6.0mm²
端子料厚	Terminal thickness	0.8mm(max)
重 量	Weight	5.1kg
尺 寸	Dimensions	W123×H158×D338mm

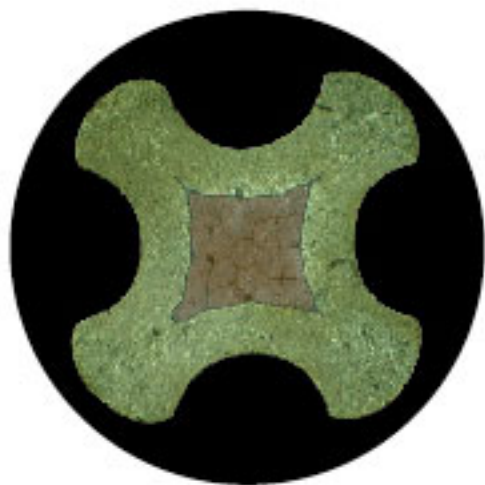
FPCA（四点）/SPCA（六点）压接模具

FPCA (FOUR POINTS) / SPCA (SIX POINTS) CRIMPING APPLICATOR

产品介绍 Introduction

- 该模具用于航空插头端子的压接，通过在连接筒部位圆周方向均匀挤压四/六个点，实现端子与导线的可靠连接；
- 压接高度精确可调,调节节奏感强，刻度易识别，满足你对压接质量的苛刻要求；
- 完美匹配KOMAX、AMP、MECAL等欧美品牌的半自动压接机，让你不再有设备的重复投入；
- 小孔定位加板式安全防护罩，极大提高了作业的安全系数，让你想犯错都难；
- 技术文件：提供完整的使用、保养说明，如有要求，也可提供机器能力研究、端面分析报告等文件；
- 每个零件都有自己的唯一标识。

- This applicator is special for crimping applicator the aviation plug terminals, uniformly extrusion four points through the connecting cylinder, to realize the reliable connection between terminal and wire;
- Precise adjustable crimp height adjustment to a sense of rhythm, the scale is easy to identify, meet the demanding requirements of the quality of the crimp;
- Perfectly match semi-auto and fully automatic crimping machine KOMAX, AMP, MECAL American and European brands To avoid the repurchase of machines;
- Hole positioning safety guard greatly improves the safety during work;
- Technical documents: provide a complete use and care instructions, if required, also available machine capacity, end analytical reports and other documents;
- Each part has its own unique ID.



● FPCA



● SPCA

技术参数 Specifications

型 号	Type	FPCA/SPCA
行 程	Stroke	40mm
C.H.调节精度/范围	C.H. Regulation accuracy / range	0.0075mm/0.75mm
料带形式	Feed Type	单粒 loose
闭合高度	Shut Height	135.78mm（5.346in）
线径范围	Wire Cross Sections	0.08~6mm²（9~28AWG）
适应端子头部最大外径	Maximum diameter of terminal head	Φ11
重 量	Weight	约6kg
外形尺寸	Dimensions	L185XW165XH160mm

AS4A/AE4A 型压接模具

AS4/AE4A CRIMPING APPLICATOR

产品介绍 Introduction

- **调节系统:** C.H./I.H.调节精度0.02mm，调节范围2.0mm，调节节奏感强，刻度易识别，不用频繁调整压接机闭合高度；
- **模块化结构:** 便于调整和维护，超强柔性缔造无限拓展空间，经济实惠；
- **送料机构:** 40mm送料步距轻松实现，送料速度顺手可调，紧凑型气缸和带导向气缸两种方案可供选择，精密直线运动单元让您从此不再走“弯”路；
- **换向阀结构:** 内置换向，稳定可靠；
- **快换机构:** 完美匹配ShinMaywa、JAM、KODERA、HACINT等品牌的半自动和全自动压接机；
- **技术文件:** 提供完整的使用说明书，如有要求，也可提供机器能力研究、断面分析报告等文件；
- **超强抗锈:** QW表面处理；
- **产品追溯:** 每个零件都拥有自己的ID。



• AS4A

- **Adjustment :** can be supplied either with a contuous or a wedge regulating head having a 0.02mm resolution for C.H./I.H. and a 2.0mm range. It's not necessary to adjust the crimping applicator height repeatly;
- **Modularized framework:** Can be adjusted and maintained conveniently;
- **Pneumatic feeding mechanism:** Terminal pitch 40mm become true easily and feeding speed can be adjusted with facility, can be supplied either with shot stroke cylinder or oriented cylinder for choice, which can enable you to operate the machine freely;
- **Reversingvalue structure:** Bulid-inreversing value is stableand reliable;
- **Quick change:** Perfectly fit with ShinMaywa, JAM, KODERA and HACINT semi-auto crimping machine;
- **Technical documentation:** You can get a complete technical documentation containing all the information needed to safely use and correctly maintain the equipment. Upon request, a capability study & Cross-section Analysis can be provided;
- **Strong resistance to rust:** QW surface plating;
- **Production tracking:** Laser labeling for each part-unique ID.

技术参数 Specifications



• AE4A

型 号	Type	AS4A	AE4A
行 程	Stroke	30mm	
料带形式	Feed Type	横向 Side Feed	纵向 End Feed
闭合高度	Shut Height	119.7mm(4.713in)	
重 量	Weight	5kg	
线径范围	Wire Cross Sections	0.08 ~ 6mm ² (9~28AWG)	
外形尺寸	Dimensions	L225 × W128XH100mm	
适应端子料厚	Terminal Thickness	1.2mm(max)	
送料机构	Feeding System	气动 pneumatic	
送料步距	Terminal Pitch	40mm(max)	

★ 相关产品 Related Products

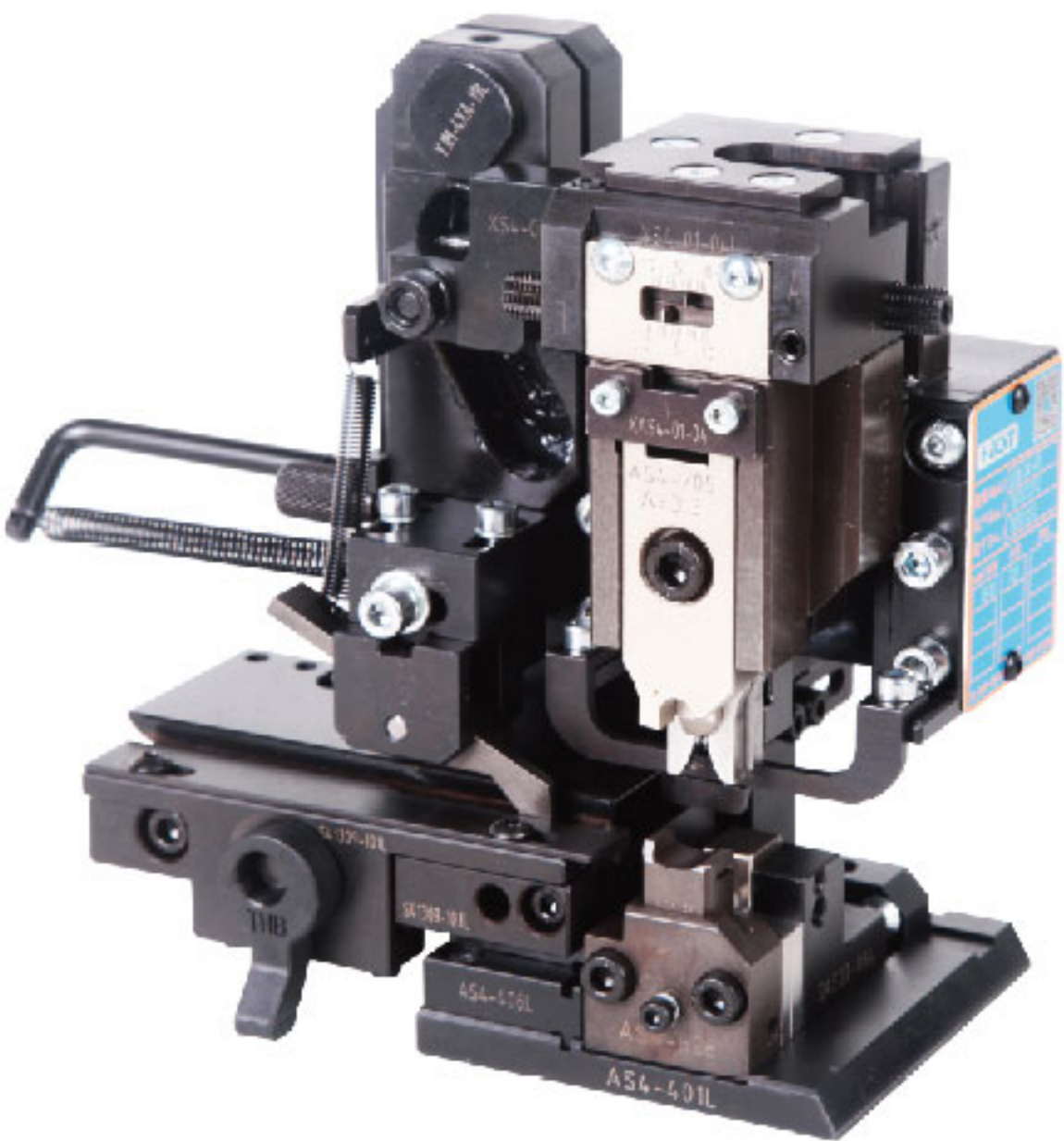
- HBQ-2030JB 型端子压接机 HBQ-2030JB Crimping Applicator Machine
HBQ-X4030JB 型端子压接机 HBQ-X4030JB Crimping Applicator Machine

XS4/E4 型压接模具

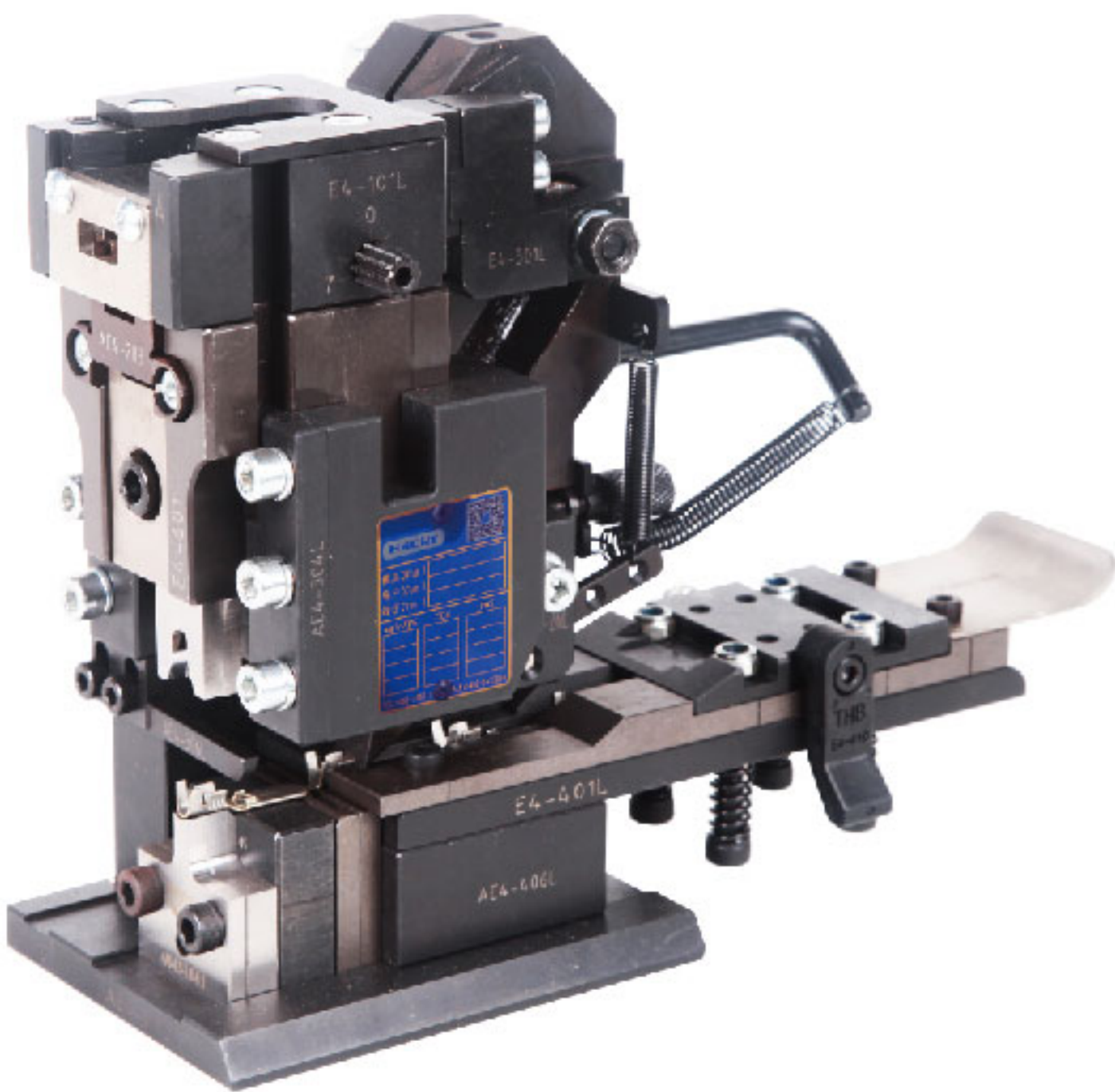
XS4/E4 CRIMPING APPLICATOR

产品介绍 Introduction

- **调节系统:** C.H. / I.H.调节精度0.02mm, 调节范围2.0mm, 调节节奏感强, 刻度易识别, 不再用频繁调整压接机闭合高度;
 - **送料机构:** 前送料 (半自动) 和后送料 (全自动) 两种方案可供选择;
 - **快换机构:** 完美匹配ShinMaywa、JAM、KODERA、HACINT等品牌的半自动和全自动压接机;
 - **技术文件:** 提供完整的使用、保养说明书, 如有要求, 也可提供机器能力研究、断面分析报告等文件;
 - **超强抗锈:** QW表面处理;
 - **产品追溯:** 每个零件都拥有自己的ID。
- **Adjustment :** can be supplied either with a contuous or a wedge regulating head having a 0.02mm resolution for C.H./I.H. and a 2.0mm range. It's not necessary to adjust the crimping height repeatedly;
 - **Feeding mechanism:** can be supplied with the pre feed cam(bench top use) and the post feed cam (automatic use) for choice;
 - **Quick change:** Perfectly fit with ShinMaywa, JAM, KODERA and HACINT semi-auto crimping machine;
 - **Technical documentation:** you can get a complete technical documentation containing all the information needed to safely use and correctly maintain the equipment. Upon request, a capability study& Cross-section Analysis can be provided;
 - **Strong resistance to rust:** QW surface plating;
 - **Production tracking:** Laser labeling for each part-unique ID.



• XS4



• E4

技术参数 Specifications

型 号	Type	XS4	E4
行 程	Stroke	30mm	
料带形式	Feed Type	横向Side Feed	纵向End Feed
闭合高度	Shut Height	119.7mm(4.713in)	
重 量	Weight	5kg	
线径范围	Wire Cross Sections	0.08 ~ 6mm ² (9~28AWG)	
外形尺寸	Dimensions	L225 × W162XH100mm	
适应端子料厚	Terminal Thickness	1.2mm(max)	
送料机构	Feeding System	机械 Mechanical	
送料步距	Terminal Pitch	32mm(max)	

★ 相关产品 Related Products

HBQ-2030JB 型端子压接机 HBQ-2030JB Crimping Applicator Machine
HBQ-X4030JB 型端子压接机 HBQ-X4030JB Crimping Applicator Machine

YJM-4XA/YJM-100 模具

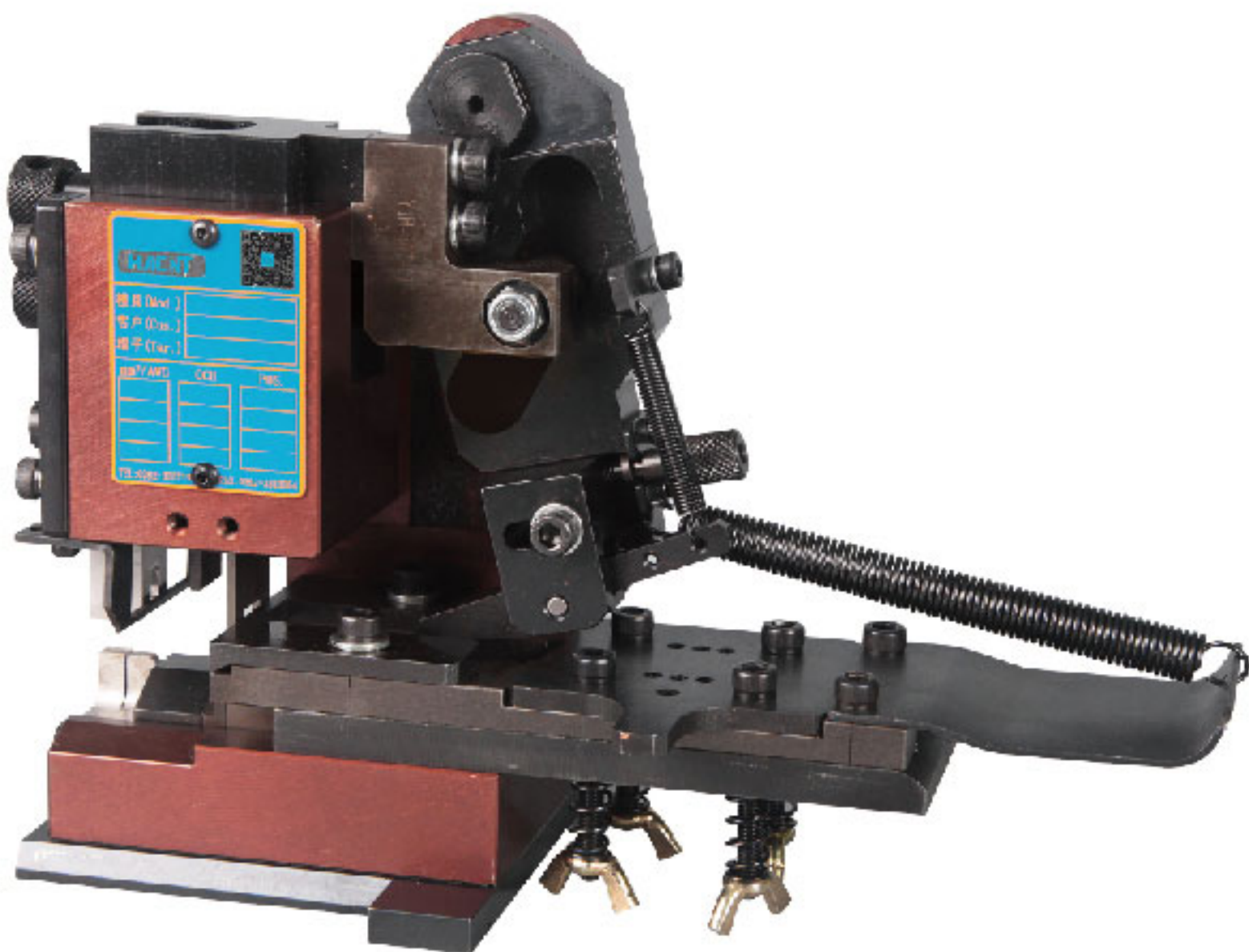
YJM-4XA/YJM-100 APPLICATOR

产品介绍 Introduction

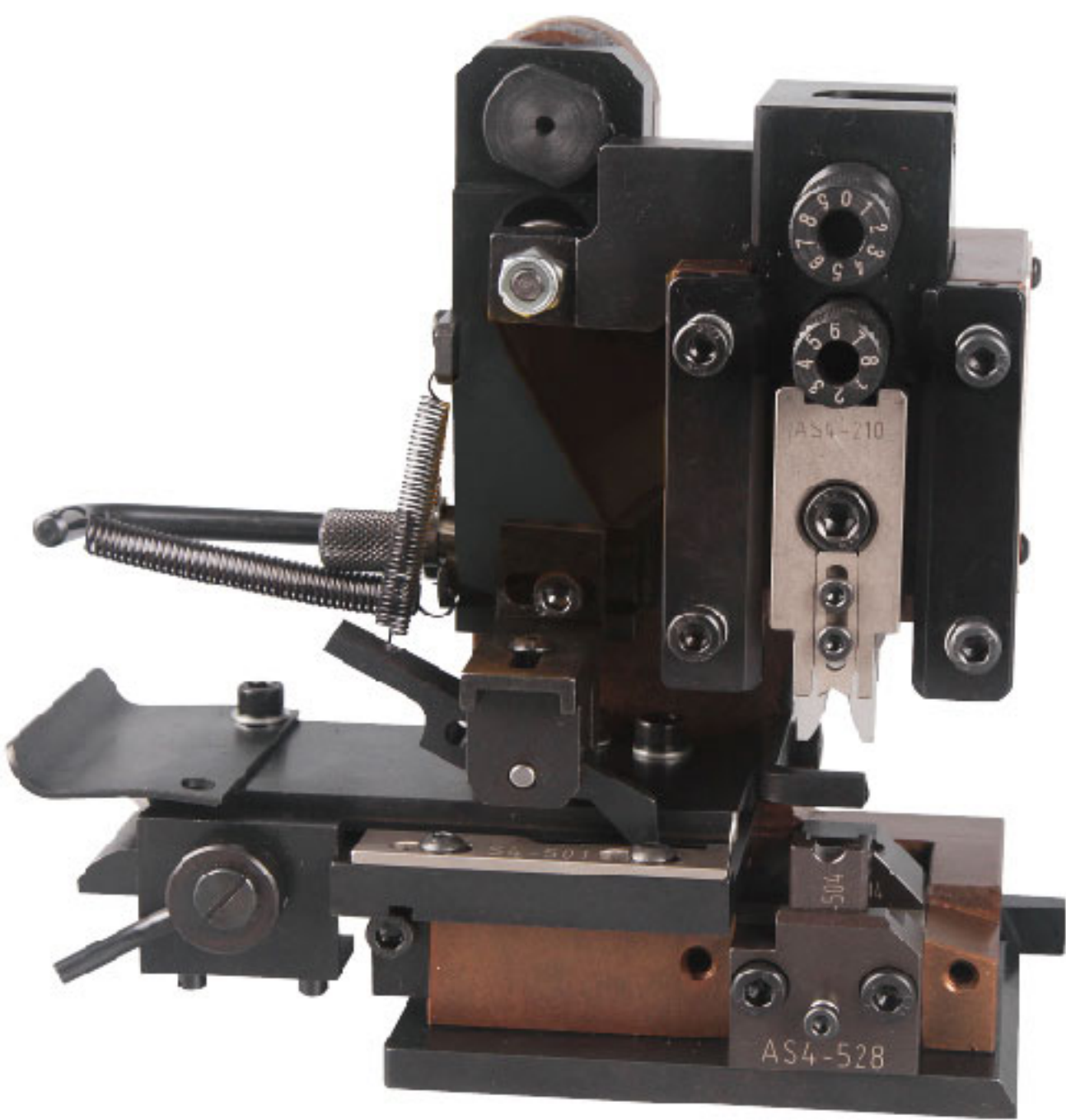
累积二十年制造经验，该压接模具以其经济、耐用、稳定的品质经受了时间的考验。
With production experience of 20 years , it turns out to be the most economical , durable applicator.

功能 Function

- C.H./I.H.调节精度0.05/0.1mm，调节范围0.45/0.7mm；
- 稳定的表现源于高精度的零件配合；
- 完美匹配日韩主流标准的半自动和全自动压接机。
- Can be supplied either with a contuous or a wedge regulating head having a 0.05/0.1 mm resolution for C.H./I.H. and a 0.45/0.7mm range;
- Highly precise parts match together to assure high stability;
- Can be fitted to semi-automatic and fully automatic crimping machine for Japanese&Korean brand.



● YJM-100



● YJM-4XA

技术参数 Specifications

型 号	Type	YJM-4XA/YJM-100
行 程	Stroke	30mm
闭合高度	Shut Height	119.7mm
线径范围	Wire Cross Sections	0.08 ~ 6mm ²
料带形式	Feed Type	横向/纵向Side Feed/End Feed
适应端子料厚	Terminal Thickness	1.2mm(max)
送料机构	Feeding System	机械 Mechanical
送料步距	Terminal Pitch	32mm(max)
外形尺寸	Dimensions	L180×W167×H92mm
重 量	Weight	4kg

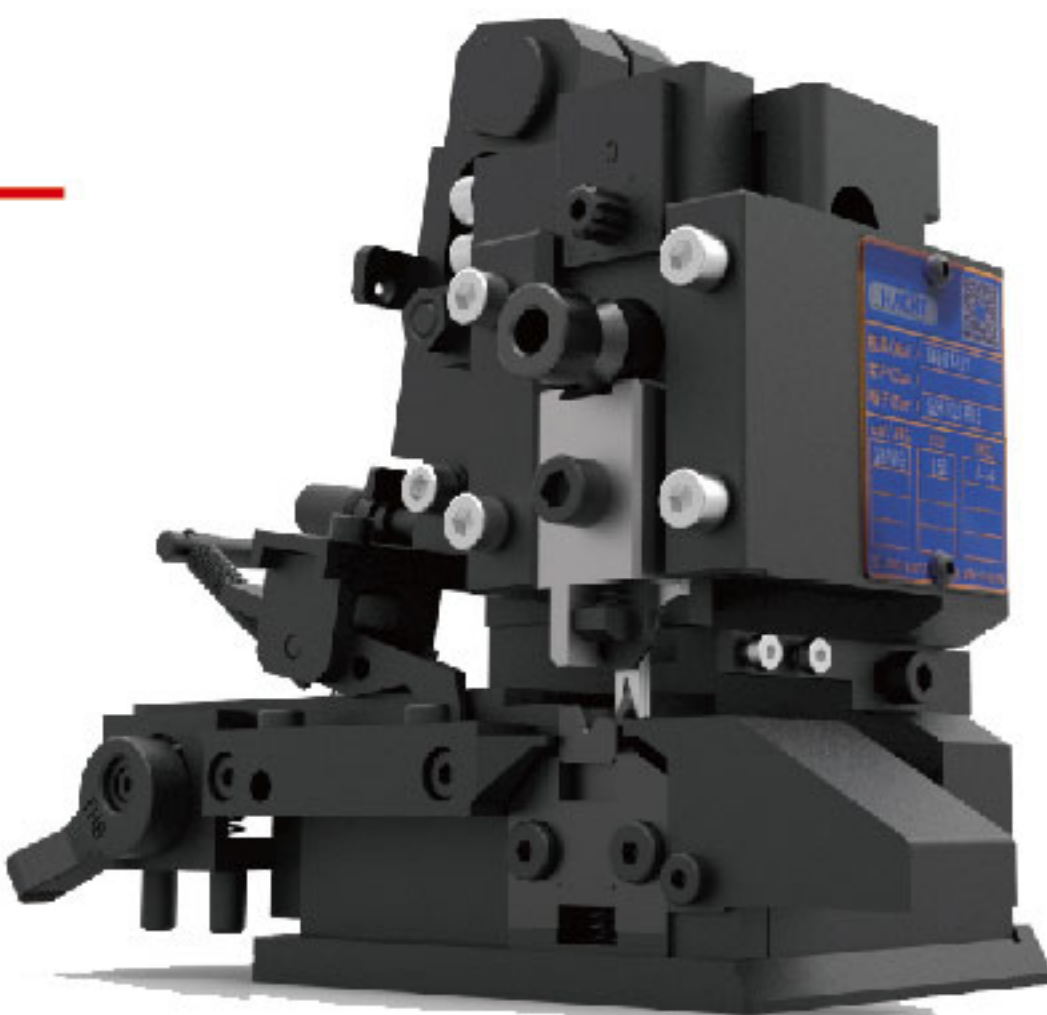
Nano 型压接模具(S4B)

NANO CRIMPING APPLICATOR (S4B)

产品介绍 Introduction

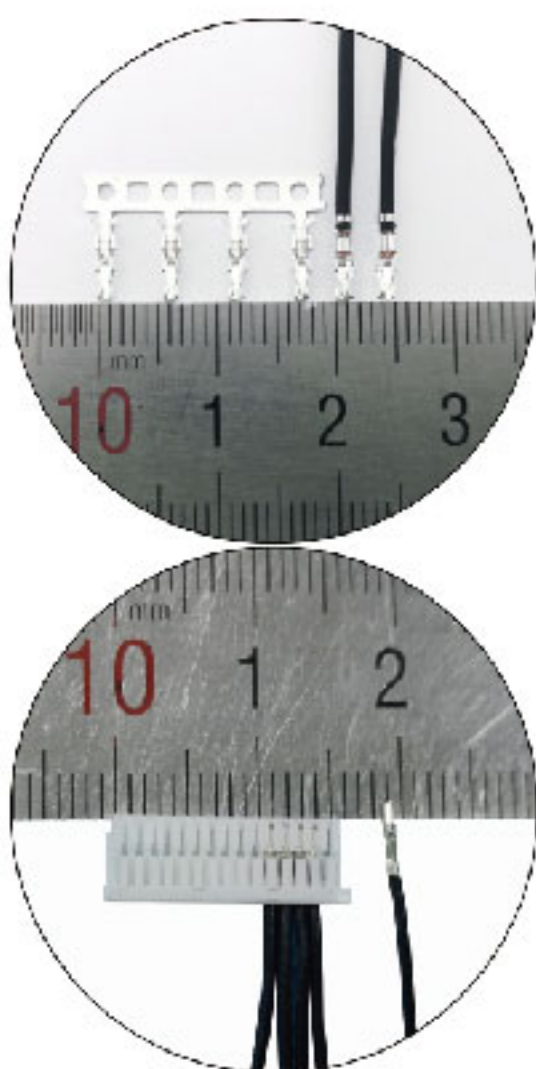
Nano 型压接模具是以0.13mm² (AWG26) 为切入点开发的一种超细导线压接模具，具有调节简单、送料稳定等优势，广泛应用于汽车轻量化线束领域。

Nano crimping applicator is designed specially for extremely small wire of 0.13mm² and available for smaller one. This applicator has stable feeding and is easy to adjust and widely used in the light-weight wire harness field.



特性 Feature

- **调节系统:** C.H调节精度0.01mm，调节范围1mm；I.H调节精度0.1mm，调节范围0.7mm；调节节奏感强，刻度易识别，不再用频繁调整压接机闭合高度；
 - **送料机构:** 定制化设计，送料稳定；
 - **快换机构:** 完美匹配ShinMaywa、JAM、KODERA、HACINT等品牌的半自动和全自动压接机；
 - **技术文件:** 提供完整的使用、保养说明书，如有要求，也可提供机器能力研究、断面分析报告等文件；
 - **超强抗锈:** QW表面处理；
 - **产品追溯:** 每个零件都拥有自己的ID；
 - **云端数据:** 扫描二维码，实时查看出厂资料信息。
- **Adjustment:** The adjusting accuracy of crimping applicator height is 0.01mm and the adjusting range is 1mm; The adjusting accuracy of insulation height is 0.1mm and the adjusting range is 0.7mm. Nano owns rhythmic adjustment and recognizable scale. There is no need to adjust the shut height frequently;
 - **Feeding mechanism:** The holder is designed according to the shape of the terminal, which provide a stable feeding;
 - **Quick change:** Perfectly fit with ShinMaywa, JAM, KODERA and HACINT semi-auto crimping machine;
 - **Technical documentation:** you can get a complete technical documentation containing all the information needed to safely use and correctly maintain the machine. Upon request, a capability study& Cross-section Analysis can be provided;
 - **Strong resistance to rust:** QW surface plating;
 - **Production tracking:** Laser labeling for each part-unique ID;
 - **Cloud data:** Scan QR code on each name plate to get the data of the applicator in real time.



技术参数 Specifications

型 号	Type	S4B
行 程	Stroke	30mm
端子料厚	Terminal thickness	0.5mm (max)
料带形式	Feed Type	横向 Side Feed
闭合高度	Shut Height	119.7mm (4.713in)
线径范围	Wire Cross Sections	0.03~0.35 mm ² (22~32AWG)
送料机构	Feed mechanism	机械Mechanical
送料步距	Terminal Pitch	27mm(max)
重 量	Weight	5kg
外形尺寸	Dimensions	L225 × W100 × H162mm

DYM-C 刺破压接模具

DYM-C CRIMPING APPLICATOR

产品介绍 Introduction

累积二十年设计经验，刺破压接模具以其经济、耐用、稳定的品质经受了时间的考验。

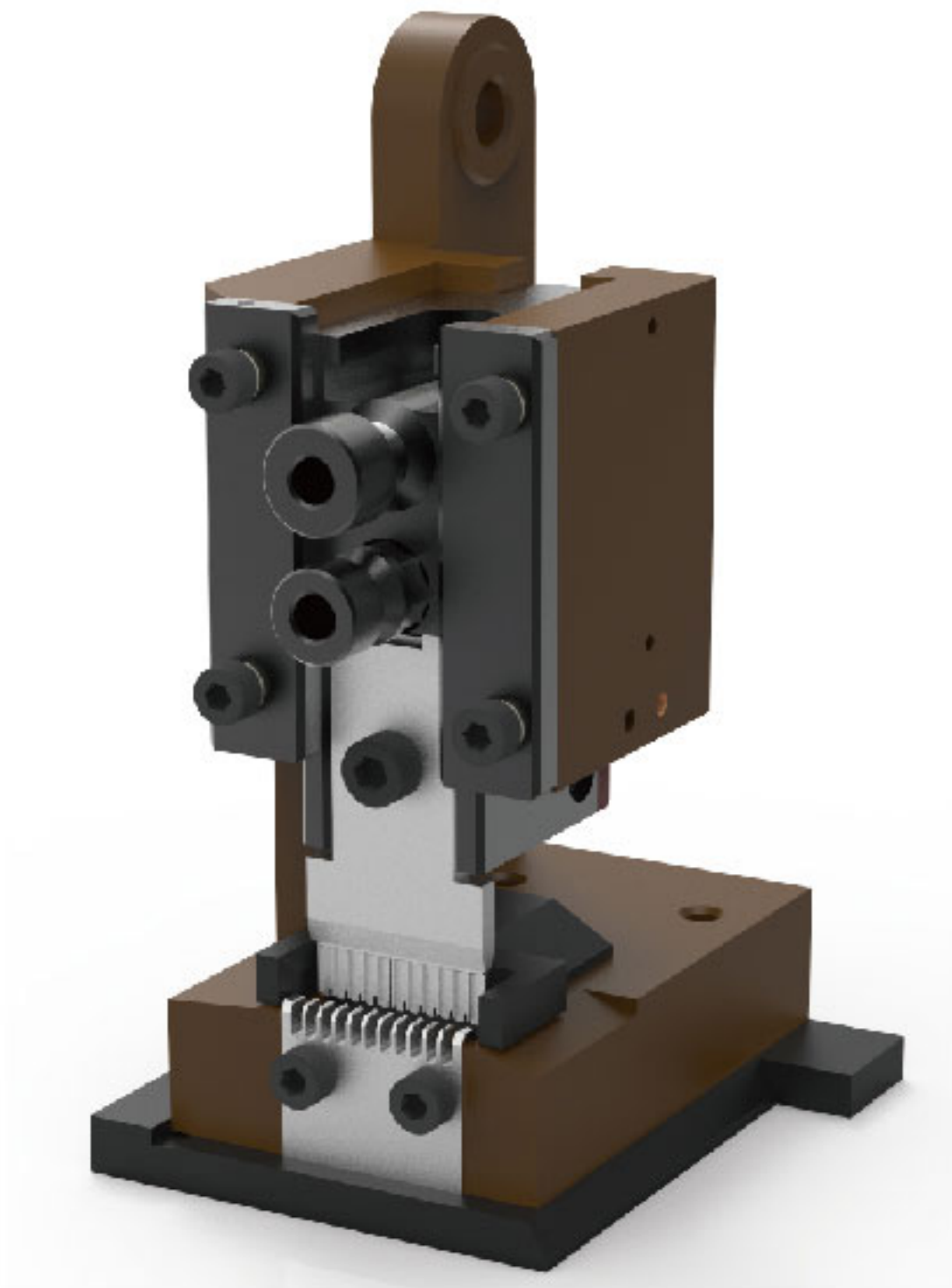
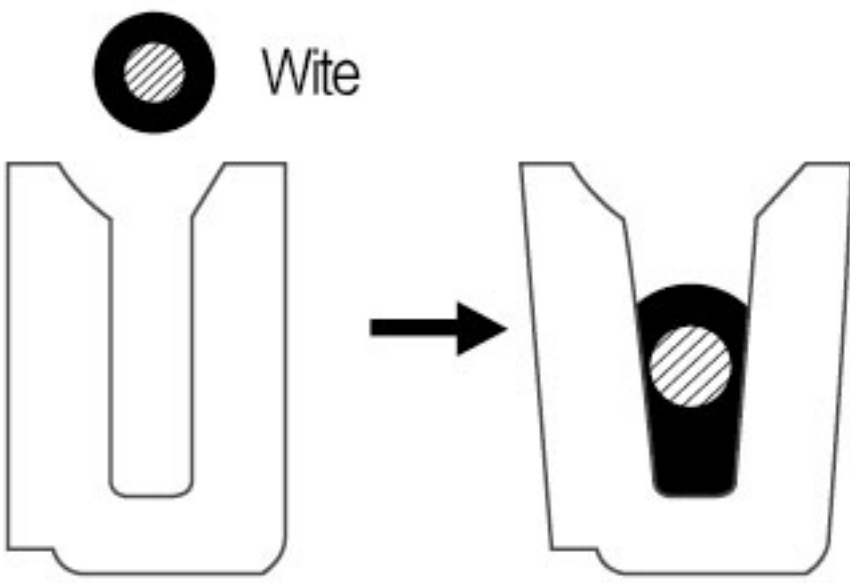
绝缘刺破连接是将Wire 置于切口上方，再以压力将Wire推入切口，Wire上的绝缘皮被刺破进入夹口，实现导体与连接器导通。

With the design experience of 20 years, IDC applicator is known as the economy, durability and high quality.

IDC(Insulation Displacement Connector) Crimping Applicator is to place the wire above the blade, crimp the wire into blades, and pierce the insulation to conduct.

产品特性 Features

- C.H./I.H.调节精度0.05/0.1mm，调节范围0.45/0.7mm；
- 稳定的表现源于高精度的零件配合；
- 完美匹配我司标准的半自动和全自动压接机；
- 每个零件都拥有自己的ID。
- Can be supplied either with a contuous or a wedge regulating head having a 0.05/0.1mm resolution for C.H./I.H. and a 0.45/0.7mm range;
- Highly precise parts match together to ensure high stability;
- It is fitted to crimping machine and fully automatic crimping machine of our company;
- Laser etching ID to each spare parts.



技术参数 Specifications

型 号	Type	DYM-C
线径范围	Wire Cross Sections	0.08~6mm ²
闭合高度	Shut Height	119.7 mm
行 程	Stroke	30mm
重 量	Weight	4kg
外形尺寸	Dimensions	L89 × W240 × H167mm

GS3M4 型韩式端子压接模具

GS3M4 CRIMPING APPLICATOR

产品介绍 Introduction

- 芯线高度（C.H.）调节精度0.025mm，调节范围6.0mm，绝缘高度（I.H.）调节精度0.033mm，调节范围6-10mm，调节节奏感强，刻度易识别，不用频繁调整压接机闭合高度；
- 匹配韩国制式半自动和全自动压接机；
- 送料采用机械凸轮结构。
- The adjusting accuracy of crimping applicator height is 0.025mm and the adjusting range is 6.0mm. The adjusting accuracy of insulation height is 0.033mm and the adjusting range is 6-10mm, strong rhythm adjustment, scale easy to identify, no need to frequently adjust to frequently shut height of crimping machine;
- Match Korean semi-automatic and fully automatic crimping applicator machines;
- Feeding mechanical cam structure.



技术参数 Specifications

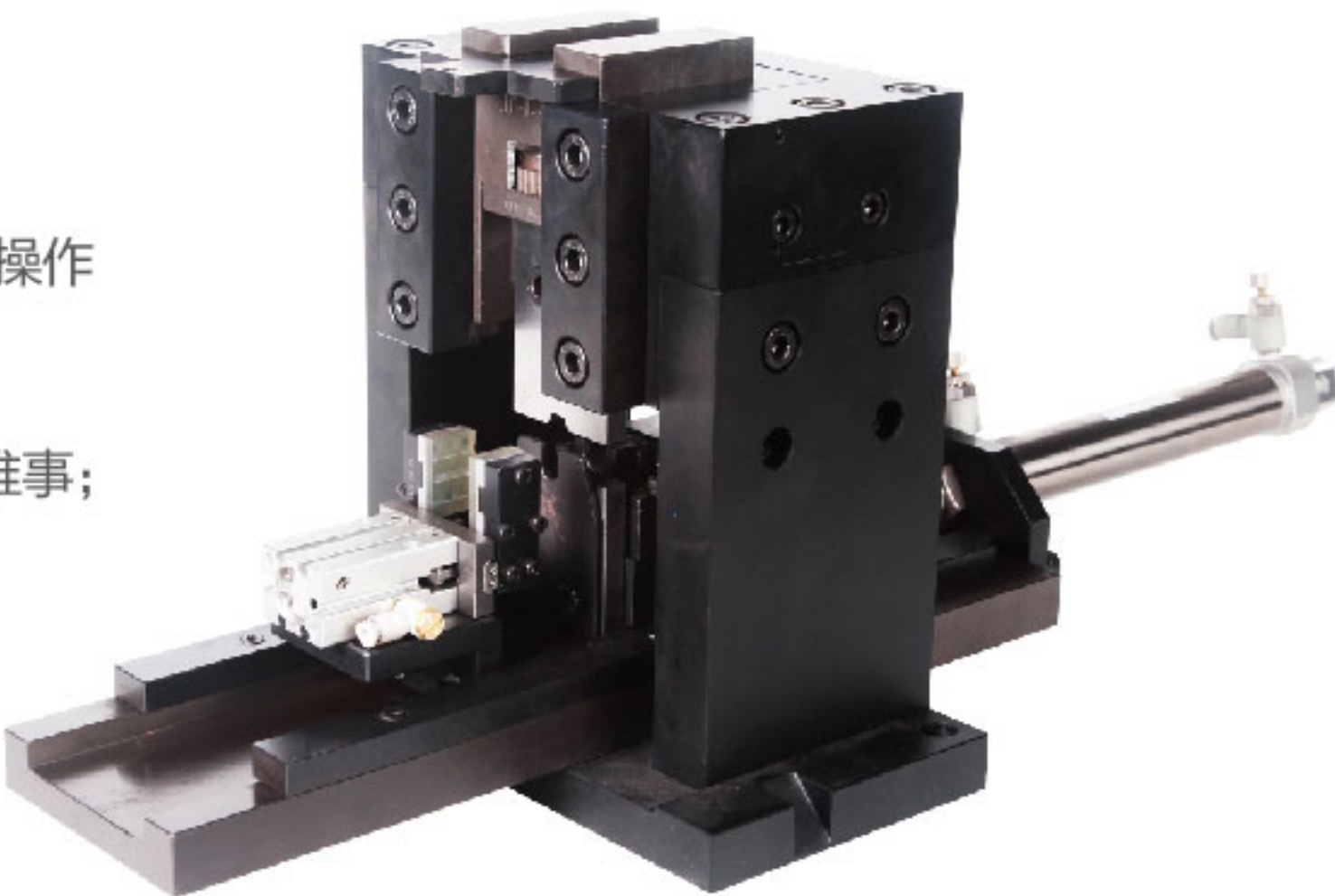
型 号	Type	GS3M4
行 程	Stroke	30mm
闭合高度	Shut Height	149±3mm
线径范围	Wire Cross Sections	4mm²(max)
料带形式	Feed Type	横向 Side Feed
适应端子料厚	Terminal Thickness	1.2mm(max)
送料机构	Feeding System	机械 mechanic
送料步距	Terminal Pitch	26mm(max)
重 量	Weight	5kg

CLM 轻型电瓶端子压接模具

CLM BATTERY TERMINAL CRIMPING APPLICATOR

产品介绍 Introduction

- 适应于单粒电瓶端子的压接，作为冲床用压接模具的升级版出现；
- 模块化结构，压接组件可做单独组件订购，让成本进一步的压缩；
- 采用气动抽拉结构，端子、电线的放置位置远离压接区，视野更加开阔，操作更加方便，极大的提高了工作效率和工作的舒适程度；
- I.H.精确的调整精度和超大的调整范围，让绝缘压接的高度调整不再成为难事；
- 气动夹线装置，确保压接位置的稳定性和一致性；
- 安全传感器的加装，极大提高了作业的安全系数；
- 每个零件都有自己的唯一标识。



- The upgrade version of punch crimping applicator, is suitable for single style of battery terminals.
- Modular structure can be ordered separately, it's cost saving;
- With pneumatic pulling structure, terminals and wires far away from the crimping applicator area, open vision to operate efficiently and conveniently;
- With precise I.H. scale and extensive range, it's convenient to adjust the shut height;
- With pneumatic clamp device, it's stable and consistent crimping applicator;
- Adding safety sensor to make sure safe operation;
- Laser etching ID to each part.



技术参数 Specifications

型 号	Type	CLM
行 程	Stroke	40mm /50mm
(C.H 和I.H.)绝缘压接高度调整精度/范围	CH/IH regulating precision / range	0.05mm/5mm
料带形式	Feed Type	单粒Loose
闭合高度	Shut Height	197.5mm(7.776in)
线径范围	Wire Cross Sections	75mm ² (max)
适应端子料厚	Terminal thickness	2.0mm (max)
重 量	Weight	约18kg
外形尺寸	Dimensions	L215 × W215 × H580mm

★ 相关产品 Related Products

HBQ-P20/P30型端子压接机 HBQ-P20 Crimping Applicator Machine

LCMS 型重载压接模具

LCMS HEAVY DUTY CRIMPING APPLICATOR

产品介绍

Introduction

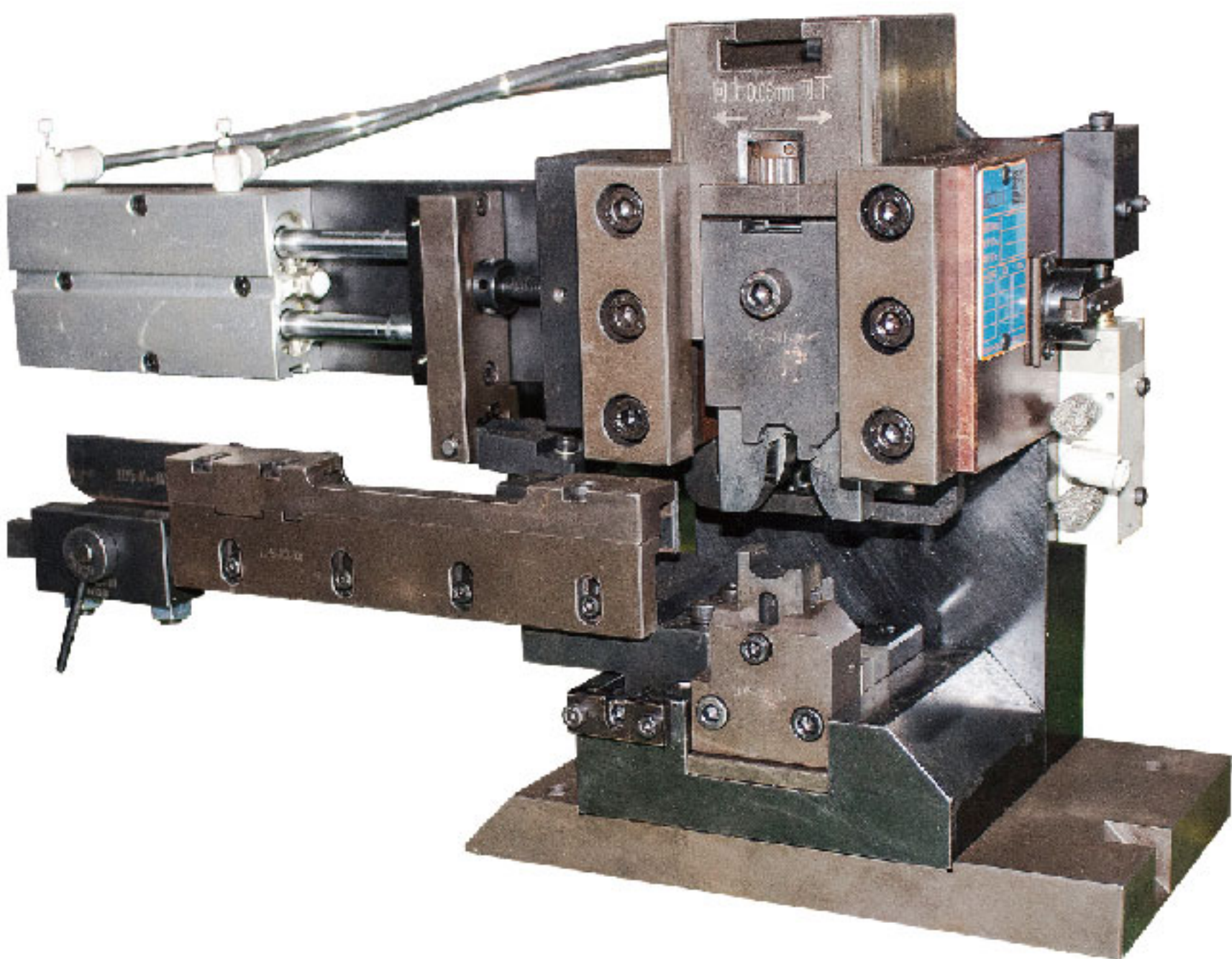
- 该模具可适用于各种链式大端子，相比单粒压接，该模具大幅提高了作业效率和压接质量；

● 一改传统作业方式，真正保证操作者的安全；

● 完美匹配HBQ-P20型端子压接机和常见压力机、液压机（需增加附件）等。
- This applicator is applied to large chain terminals, Compared to a single crimping applicator, the applicator significantly increaseds operational efficiency and quality crimping applicator;

● Guarantee the safety of the operators;

● Perfect matching HBQ-P20 crimping machine and common crimping machine, hydraulic crimping machine (Attachments need to be added).



技术参数

Specifications

型 号	Type	LCMS
行 程	Stroke	40mm/50mm（可选）optional
闭合高度	Shut Height	197.5mm(7.776in)
线径范围	Wire Cross Sections	50mm²(AWG) (max)
料带形式	Feed Type	横向 Side Feed
适应端子料厚	Terminal Thickness	2mm(max)
送料机构	Feeding System	气动 Pneumatic
送料步距	Terminal Pitch	60mm(max)
外形尺寸	Dimensions	L120×W213×H450mm
重 量	Weight	23kg

闭式端子免换模压接模具(HCA/NHCA)

HCA/NHCA CRIMPING APPLICATOR

产品介绍 Introduction

HCA/NHCA 是海昌专门为闭式端子及屏蔽环压接而开发的模具，用于新能源汽车、充电桩、电瓶车等线束生产，它有压接范围广、高度调整空间大等优点。

HCA/NHCA crimping applicator is specially used for wings-closed terminals and shield rings. This applicator is widely used for the production of the harness of EV cars, charger and battery cables. This applicator has the advantages of large crimping applicator range and big adjustment space.

特性 Features

- 压接灵活性:

一模多用，正六方形尺寸可调，一款模具兼容多种端子的压接，为顾客节约成本；
- 快换结构:

完美匹配HACINT公司P20 /P30 /油压机，也可根据顾客需求定制；
- 技术文件:

提供完整的使用、保养说明书，若有要求也可提供机器能力研究、断面分析报告等文件；
- 超强抗锈:

QW表面处理；
- 产品追溯:

每个零件都拥有自己的ID；
- 云端数据:

扫描二维码，实时查看出厂资料信息。



- Flexible crimp

Multiple use, adjustable dimensions of the hexagon and high compatibility for the crimp of various terminal save a lot of cost;
- Quick-change

Perfectly fit P20/P30 crimping applicator machine and it's customizable for different demand;
- Technical documentation

Complete manual of use and maintenance, the performance study and microsection report are available;
- Super anti-rust

QW surface plating;
- ID track

Unique ID for each part;
- Cloud data

Scan the QR code to check the documentation.

技术参数 Specifications

型号	Type	HCA	NHCA
放线方式	Feeding Type	前后 Side Feed	左右 End feed
料带形式	Feed Type	单粒 Loose	
闭合高度	Shut Heigh	197.5mm	
精度	Precision	± 0.05mm	
可调高度	Height adjust range	± 6.0mm	
线径范围	Wire Cross Sections	6-120mm²	
适应端子料厚	Terminal thickness	2.0mm(max)	
外形尺寸	Dimensions	L212 × W115 × H213mm	L212 × W170 × H213mm
重量	Weight	22kg	

HD07 型重载压接模具

HD07 HEAVY DUTY CRIMPING APPLICATOR

产品介绍

Introduction

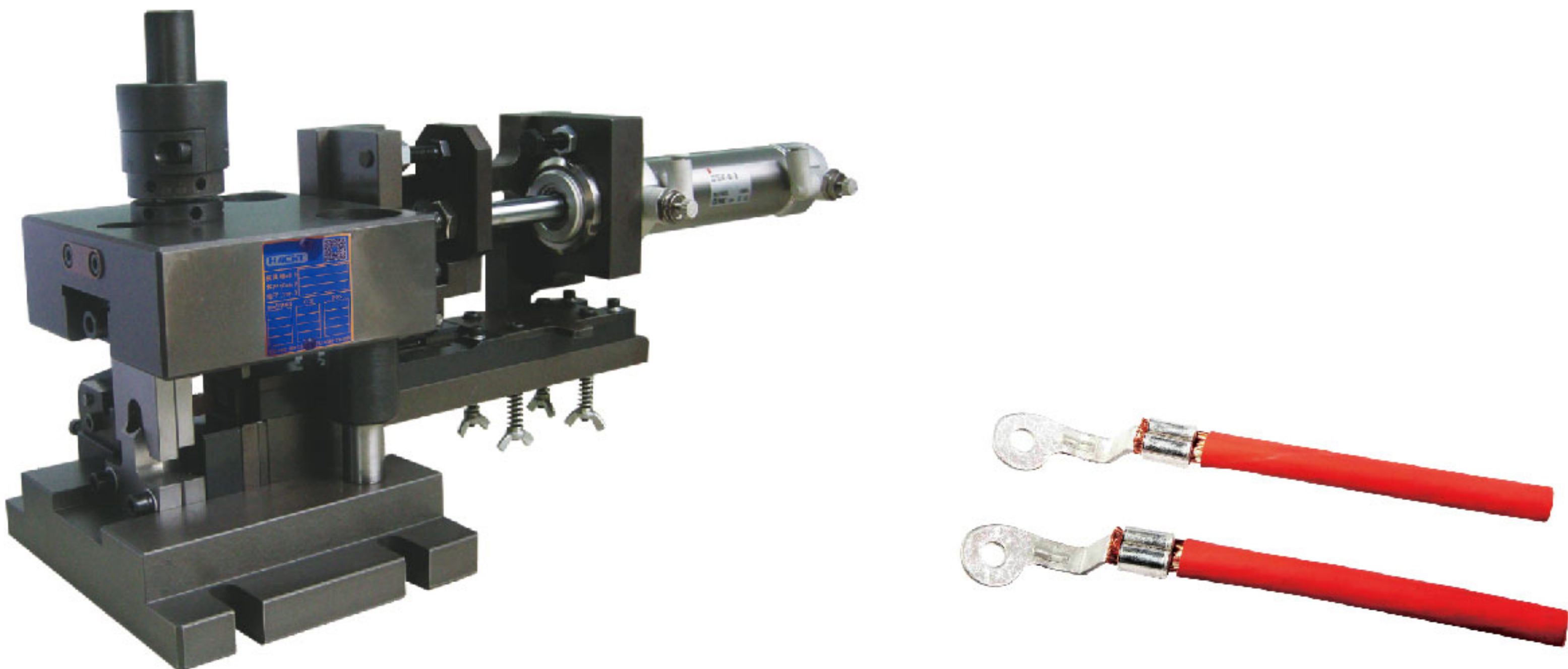
- 该模具可适用于各种链式大端子，相比单粒压接，该模具大幅提高了作业效率和压接质量；

● 一改传统作业方式，真正保证操作者的安全；

● 完美匹配HBQ-8040E型端子压接机和常见压力机、液压机（需增加附件）等。
- This applicator is applied to large chain terminals, Compared to a single crimping applicator, the applicator significantly increaseds operational efficiency and quality crimping applicator;

● Guarantee the safety of the operators;

● Perfect matching HBQ-8040E crimping machine and common crimping machine, hydraulic crimping machine (Attachments need to be added).



技术参数

Specifications

型 号	Type	HD07	线径范围	Wire Cross Sections	50mm ² (AWG)(max)
行 程	Stroke	40mm	外形尺寸	Dimensions	L170×W490×H231mm
料带形式	Feed Type	纵向 End Feed	适应端子料厚	Terminal thickness	2mm(max)
闭合高度	Shut Height	202mm	送料机构	Feeding system	气动 Pneumatic
重 量	Weight	约15kg	送料步距	Termianl pitch	80mm(max)

★ 相关产品 Related Products

- HBQ-8040E 型端子压接机

HBQ-8040E Crimping Machine
- HBQ-P20 型端子压接机

HBQ-P20 Crimping Machine

HSPCA-K 型六点压接模具

HSPCA-K SIX POINTS CRIMPING APPLICATOR

产品介绍 Introduction

HSPCA-K 型六点压接模具是海昌最新研发的屏蔽环开式压接模具，相比闭式六点压接模具，它具有操作便利，可视性好等优点，另外，可以增加定位装置来保证装配尺寸，满足特殊结构的屏蔽环的压接要求。

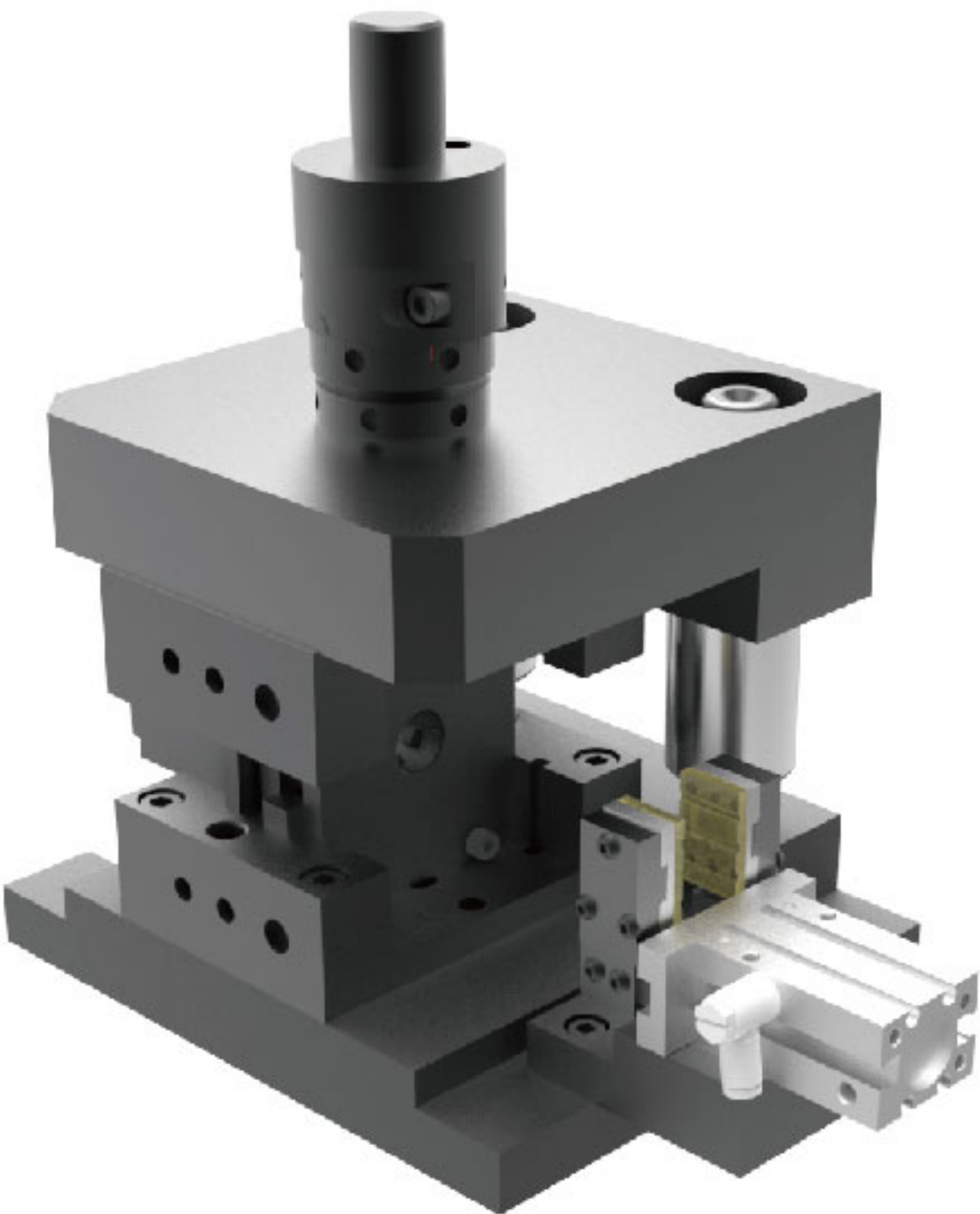
HSPCA-K is newly developed application for shielding, which solves the problem of complicated operation and poor visibility of closed six-point crimping applicator die in the past, and can increase the positioning device to guaranteed the assembly size and meet the crimping applicator requirements of the special shield ring of the structure.

特性 Features

- **调整简单：**在使用前只需要将上下压接模块调整至闭合即可；
- **更换方便：**松开螺栓即可将上下压接模块拆掉，更换六个压接芯；
- **操作方便可视：**压接过程中，上下压接模块打开，只需要将屏蔽环放入压接位置，即可进行压接；
- **压接范围：**此类模具属于专用定制模具，10-95平方屏蔽环都可以按照参数要求以及匹配压接机定制；
- **压接精度：**压接高度值波动 ± 0.2 。
- **Simple adjustment:** adjust the upper and lower crimping applicator modules to close before use;
- **Simple replacement:** loosen the bolts to remove the upper and lower crimping applicator modules and replace the six crimping applicator cores;
- **Convenient operation:** During the crimping applicator process, the upper and lower crimping applicator modules are opened, and only the shielding ring needs to be placed in the crimping applicator position to be crimped;
- **Crimping range:** Customized applicator for wire cross sections of 10-95mm² according to parameters and matching crimping machines;
- **Crimp accuracy:** Shut height value fluctuates by ± 0.2 .

技术参数 Specifications

型 号	Type	HSPCA-K
压接类型	Crimping Type	屏蔽环 shielding ring
行 程	Stroke	30~50mm
适用线径	Wire cross section	10~95mm ²
闭合高度	Shut Heigh	> 110mm
重 量	Weight	5kg
尺 寸	Dimensions	L160 × W140 × H140mm

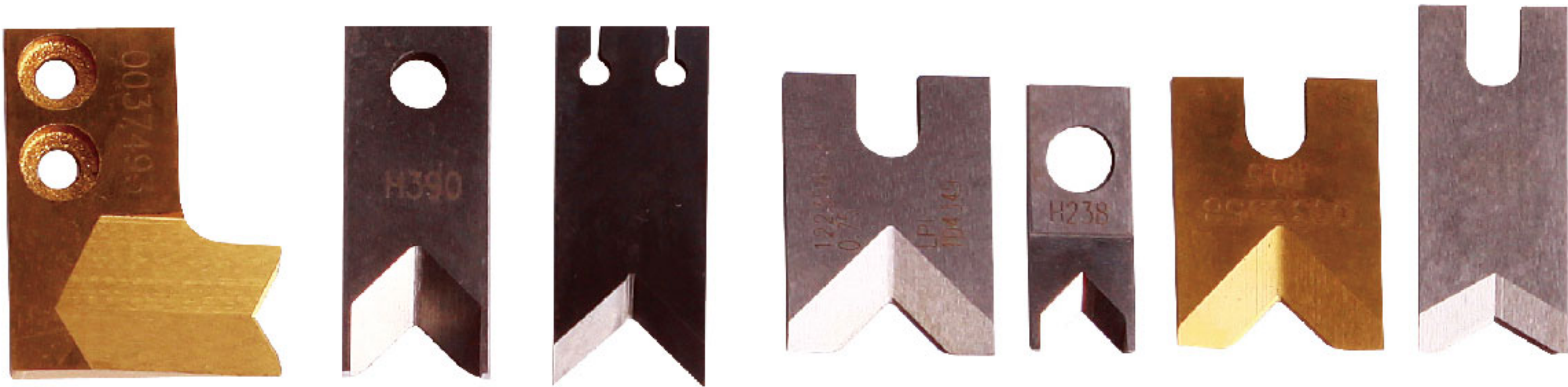


易损件（压接刀具等）

WEARING PARTS(BLADES)

产品介绍 Introduction

- 根据结构可分为日系刀具、欧系刀具及特殊刀具；
 - 刀具材质均经严格甄选，硬度、韧性俱佳，经久耐磨；
 - 生产设备先进，工艺成熟；
 - 激光刻字，刃口处特殊保护；
 - 根据不同应用场合和客户要求，可进行表面涂覆处理；
 - 除本公司配套产品外，也可为您量身定做。
- Japanese, European and special kinds of blades classified upon configuration;
 - Made of choice materials, long life, flexibility and hardness are available;
 - Advanced equipments and professional technics;
 - Surface plating to be anti-corrosion;
 - Processing each blades carefully, Surface coating available if required;
 - Customized if any demands.



★ 相关产品 Related Products

- | | |
|------------------|--|
| 各种型号的压接模具 | All kinds of applicators |
| HBQ-041型 自动导线剪剥机 | HBQ-041 Automatic Wire Stripping Machine |
| 废料切断模块 | Waste Cutting Module |

CS 型线束检测系统

CS TEST TABLE

产品介绍 Introduction

CS 型线束检测系统是我公司自主研发的一款线束检测专用设备。该设备整机采用工业级一体化设计标准，主控部分使用工业级电脑，基于Win7系统工作，性能稳定可靠，降低了设备的故障率；I/O接口板采用贴片式电子元器件，具有功耗低、体积小、重量轻，可靠性高等特点；编辑图纸时采用流水线式工作流程，另附有详细的帮助文件，方便了操作人员使用。让您在轻松使用我们产品的同时，也能体验到自身作业水平提升至同行业领先地位的价值。

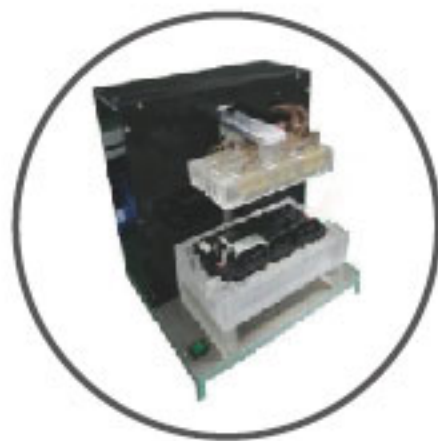
CS tester is for testing harness. It's designed to industrial integration standards, and the main control part worked by Win7 system based on industrial computer. So this machine has stable, reliable performance to reduce the failure rate. I/O board utilize Chip electronic components and it's low consumption, small size, light weight and high reliability; with detailed attached files and please work by assembly line mode when edit drawings, it's convenient to operate the machine and worth leading value in the industry.



CS型线束检测系统
CS Wire Harness Testing System



检测模块
Testing Module



保险丝盒检测工装
Fuse Box Testing Tooling

特性 Features

- 检测线束的通路、断路、短路、错路；
- 能够判断线束中二极管的安装方向；
- 具有气密（正压与负压）、锁片、安全气囊、保险片、锁扣等附件的检测功能；
- 可根据不同用户， 设置不同的使用权限， 并支持中英界面；
- 测试台面根据人机工程原理设计， 便于操作。
- Testing the circuit connected, disconnected , short or wrong;
- Able to detect the installation direction and malfunction of the diode;
- Test electric relay and gas-tight (positive and negative pressure), locking piece, airbags, fuse, locking button and other accessories;
- Different user rights can be set based on different customers, Chinese-English interface available;
- The Test table designed by HMI engineering principle, easy to operate.

技术参数 Specifications

型 号	Type	CS	测试电流	Current	1~10mA
电 源	Power Supply	AC220V/50Hz	测试电压	Voltage	0~5V
气 源	Air Supply	0.5~0.6MPa	外形尺寸	Dimensions	L3600(1200/1800/2400)×W1000×H1500mm
测试速度	Speed	> 1024point/second			

CS 型线束检测系统

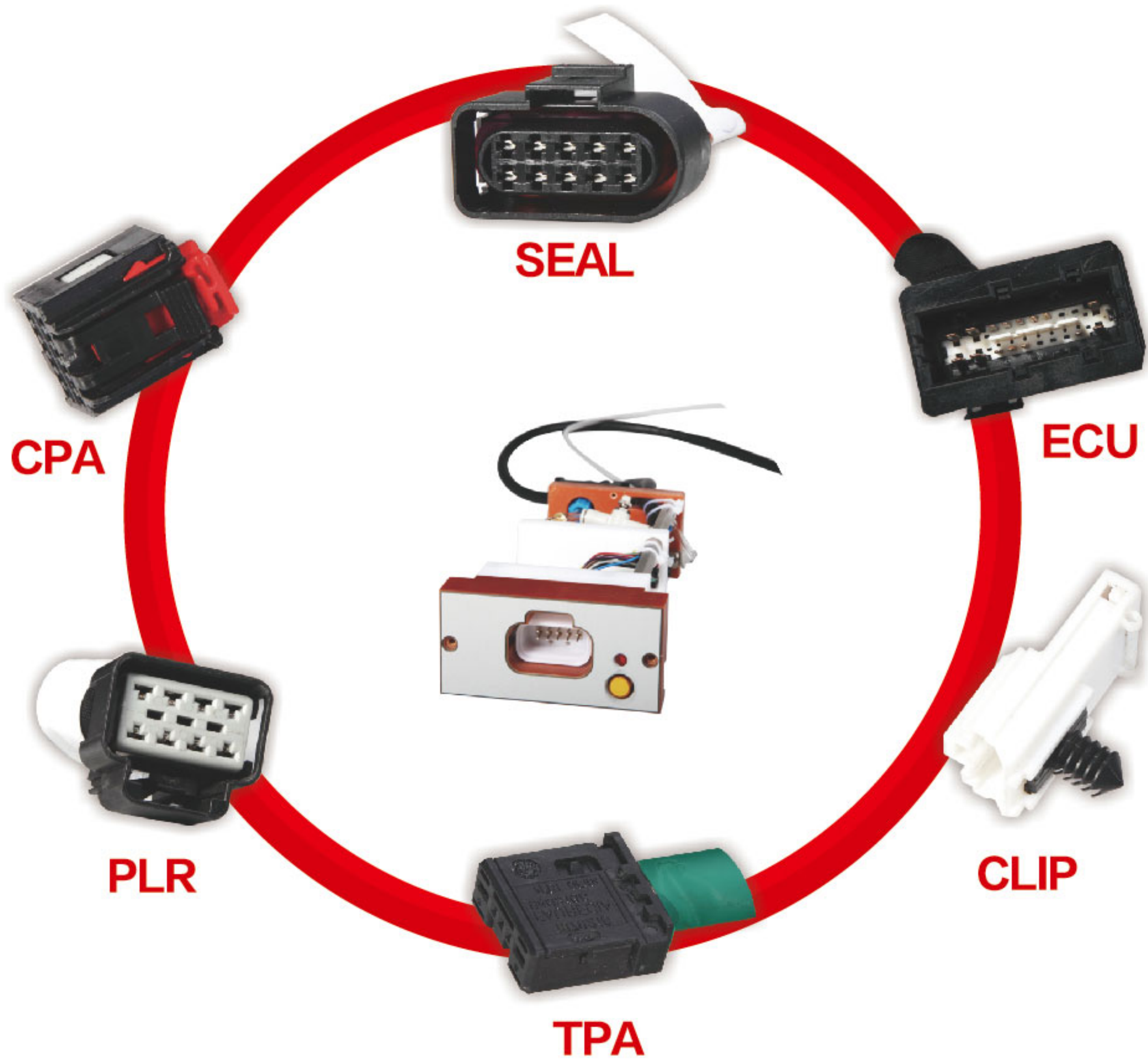
CS TEST TABLE

特性 Features

- 具有回路表导入、导出功能，便于核对；
 - 检测时具有记忆与非记忆检测功能；
 - 系统硬件具有自检功能；
 - 图像、列表及逐条显示式检测界面；
 - 支持一维、二维码的打印和扫描功能；
 - 系统稳定，抗干扰，可扩展，检测效率高；
 - 具有一针探测完单个护套上所有点的功能。
- The function of importing and exporting the circuit table for convenient check;
 - Memory and non-memory testing;
 - Self-check function;
 - The test interface of image, list and one-by-one display;
 - Print and scan function for bar code and QR code;
 - Stable system, anti-interference, expandable, and high test efficiency;
 - One pin can finish the test for one entire connector and all the points.



气动模块附件检测功能展示 Accessory Testing Function by Pneumatic Module



HCS6000 线束检测系统

HCS6000 TEST TABLE



产品介绍 Introduction

本台设备主要用与高压线缆的性能测试，尤其适用于新能源线束的性能测试。测试项目包括：低压导通测试，气密测试，交流耐压测试，直流耐压测试，绝缘电阻测试，微电阻测试（四线法），电子锁检测等。

High voltage tester is designed for the performance test, especially for the performance test of the new energy cable. The test items include low voltage conducting test, air tight test, AC voltage withstand test, DC voltage withstand test and insulation resistance test.

特性 Features

- 本设备带有过压保护，过流保护，漏电保护，以及安全光栅防护，极大限度的保护操作人员的安全；
- 可以进行低压导通测试，气密测试，以及交流耐压测试，直流耐压测试，绝缘电阻测试；
- 同时在一个测试台上满足客户多种测试要求，测试时间也可以根据自己的要求来设定。
- This tester integrates some protective modules including overvoltage protection, overcurrent protection, electric leakage protection, which guarantee the operator's safety to the most;
- Low voltage conducting test, air tight test, AC voltage withstand test, DC voltage withstand test and insulation resistance test are all carried out on this tester perfectly;
- Multiple tests are able to performed on one tester and the testing time can be adjusted as requirement.

技术参数 Specifications

交流耐压测试	Ac Voltage Withstand Test	0~5.20kV（分辨率0.01kV）	0~5.20KV (Precision of 0.01KV)
直流耐压测试	Dc Voltage Withstand Test	0~6.10kV（分辨率0.01kV）	0~6.10KV (Precision of 0.01KV)
绝缘电阻测试	Insulation Resistance Test	0.01MΩ~99.9GΩ 在10V~1020V下（分辨率1V）	0.01MΩ ~ 99.9GΩ (Under the voltage of 10 to 1020V) (Precision of 0.01V)

CSA 型扎带检测台

CSA CABLE TIE TEST TABLE

产品介绍

Introduction

CSA 型扎带检测台是一种用于线束行业集扎带卡扣的安装和检测一体的安装检测设备。

它解决了扎带安装和检测分别进行，效率低下的问题，扎带在线检测，解决了漏装错装的问题，使效率得到极大的提升。

CSA is one of testing machine used for the installation and testing of the cable ties. It integrates the installation and testing together, which greatly increase the efficiency.

On-line testing of cable ties avoids the mistakes of installations.



特性

Features

- 工控机控制性能更稳定、故障率低；
 - 铝合金框架，高端大气；
 - 发光二极管进行智能引导，让操作更方便；
 - 声音提醒、图形化显示，线束故障清楚直观；
 - 权限设置，彰显个性；
 - 标签打印，完成最终确认。
- IPC offers a stable and less fault control;
 - Aluminum alloy frame, level up;
 - Intelligent guiding by luminous diode let the operation more convenient;
 - Sound reminder, graphical display, wire harness fault clear and intuitive;
 - Permission settings, highlighting personality;
 - Label printing, final confirmation.

技术参数

Specifications

型号	Type	CSA	功 率	Power	350W
尺寸	Dimensions	根据线束形状定制	重 量	Weight	根据台子结构不同 (Up to the structure)
气源	Air Supply	0.5~0.6MPa	采集速度	Data Acquisition Speed	1/1000ms
电源	Power Supply	AC220V/50Hz	测量范围	Measuring Range	2048点(max)

CSB 电器盒视觉检测台

CSB VISUAL TEST TABLE FOR ELECTRIC BOX

产品介绍 Introduction

电器盒视觉检测台是我公司自主研发的一款电器盒检测专用设备，用于检测电器盒保险片安装位置正确与否。该设备采用技术先进的视觉检测系统，能够识别复杂多样的保险片型号，并能精确判断保险片安装位置的正确与否，操作界面简洁易懂，性能稳定可靠，检测效率高；设备整体采用工业级一体化设计标准，体积小、重量轻、安全可靠，工位可以互换，能够满足各种电器盒的检测需求。

CSB Visual test table is used to test whether the fuse of the electric box is installed to right position or not.Excellent visual test table can identify complex and diverse fuse Types and accurately judge whether the fuse is installed correct or not. The table is of the simple and brief operation interface, stable and reliable performance and high efficiency of testing. The machine is industrial Class-integrated design standards, small size, light weight, safe and reliable, workstations can be interchanged, can meet the testing needs of various electrical boxes.



特性 Features

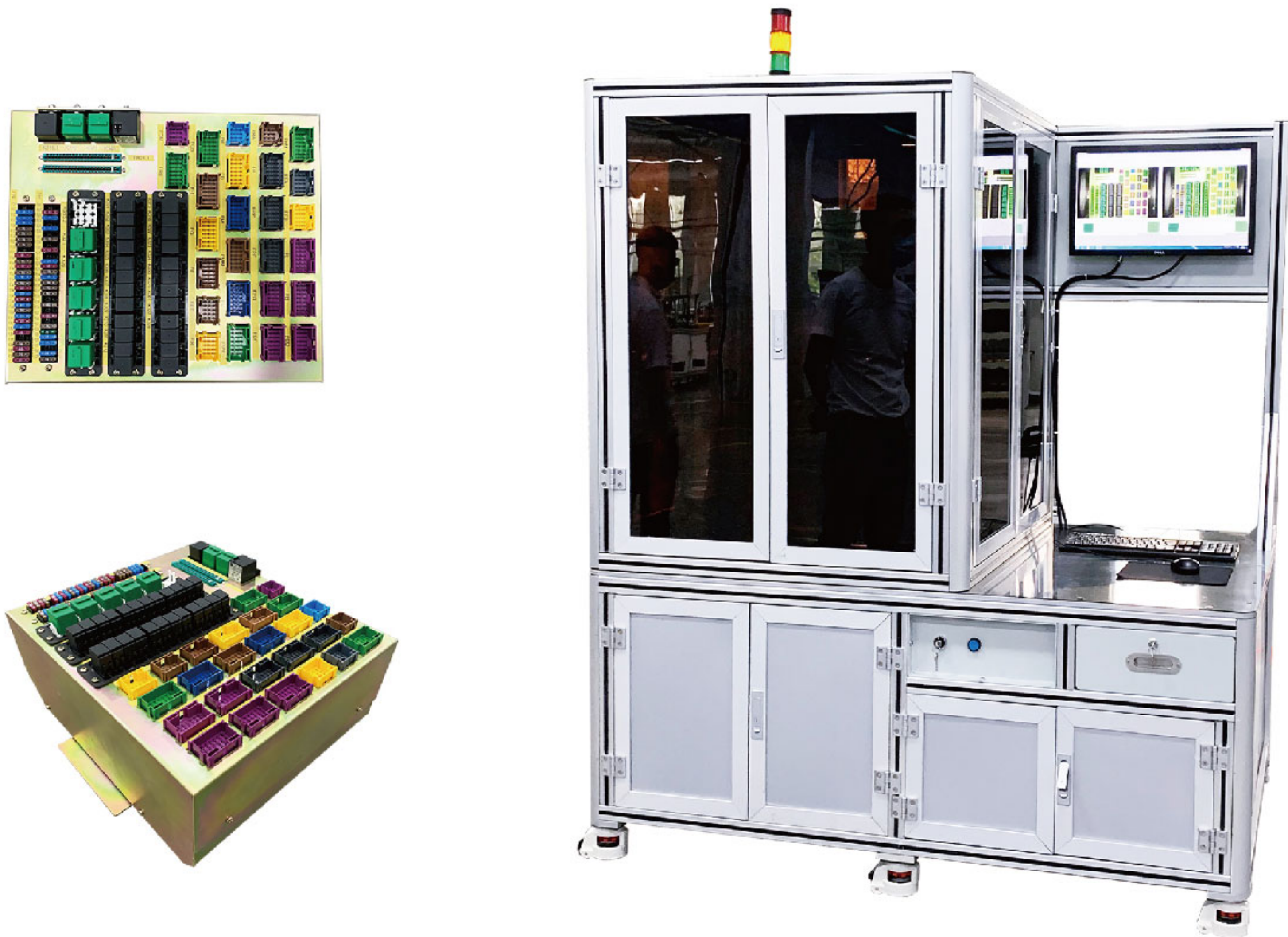
- **易操作**: 放入电器盒，系统自动检测；
- **高效率**: 检测时间节拍短，3~6s；
- **目视化**: 结果显示醒目易分辨并自动打印条形码或二维码；
- **可追溯**: 自动保存检测合格产品照片，实现产品追溯；
- **互换性**: 工装可互换，可用于多种电器盒的检测。
- **Easy operation**:Automatic test when the electric box gets in;
- **High efficiency**:Short test time;
- **Visualization**:The test result is eye-catching and easy to distinguish and the table can automatically print barcode or QR code;
- **Traceability**:Automatically save the photos of qualified products to realize product traceability;
- **Interchangeability**:The tooling is interchangeable and can be used to test a variety of electrical boxes.

技术参数 Specifications

型 号	Type	CSB	检测范围	Current	298x216cm(max) 可定制 Custom available
电 源	Power Supply	AC220V/50Hz	生产节拍	Voltage	3~6s（与待测物大小有关）up to different electric box
气 源	Air Supply	0.4~0.6MPa	外形尺寸	Dimensions	L1100×W1040×H1200mm
功 率	Power	60W			

CSB-0012 视觉检测台

CSB-0012 VISION INSPECTION TABLE



产品介绍 Introduction

CSB-0012 视觉检测台是一种视觉检测专用设备，实现非标保险盒字符检测功能。

CSB-0012 is a special machine for vision inspection to realize the function of non-standard fuse box character inspection.

产品特点 Product features

● 运行高效

整机布局紧凑，单件运行周期约6S；

● 操作简单

感应控制，设置参数、点动操作、调取工艺配方便捷；

● 维护换型简单方便

换型只需更换工装即可；

框架设计，便于整机各组件的维护与调整。

● Efficient operation

Compact layout, single piece running cycle about 6S;

● Simple operation

Induction control, easy to set parameters, point operation and take articles;

● Simple and convenient maintenance and model change

Change of Type only requires replacement of tooling;

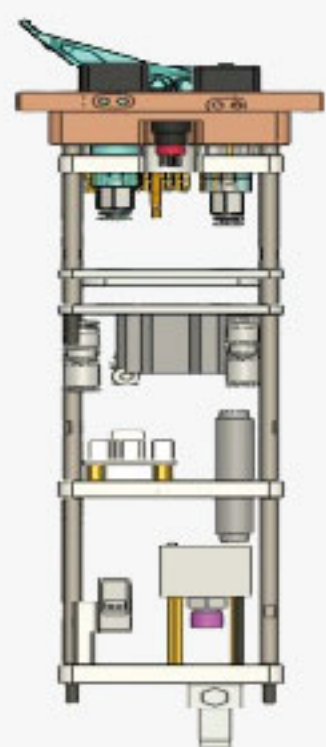
Frame design, easy to maintain and adjust the components of the whole machine.

技术参数 Specifications

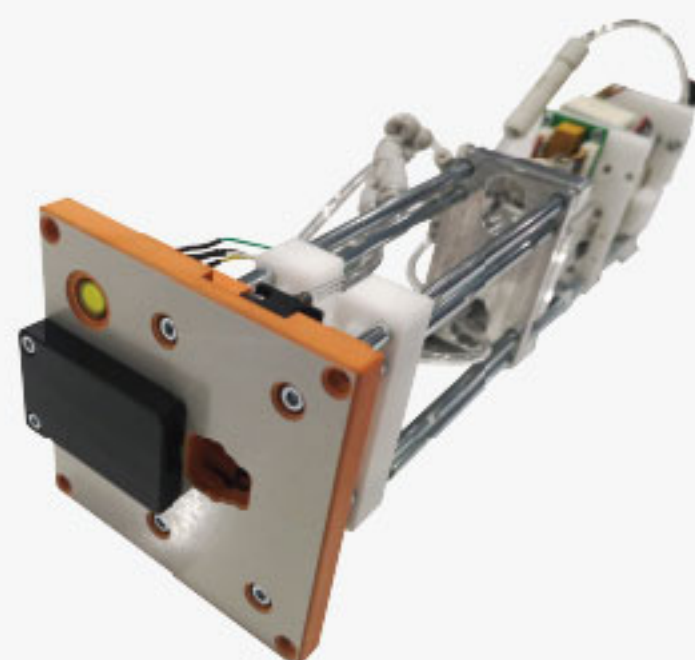
型号	Type	CSB-0012	兼容产品尺寸	Dimensions of compatible product	长≤400mm 宽≤400mm 高≤150mm
相机	Camera	Basler 2000W 彩色相机 Basler 2000W color camera	电源	Power Supply	220V 50Hz
功率	Power	400W	外形尺寸	Dimensions	L1600 × W1000 × H1800mm

测试模块

TEST MODULE



40路针以上ECU模块
Above 40 pin ECU module



PUSH BACK模块
Push back module



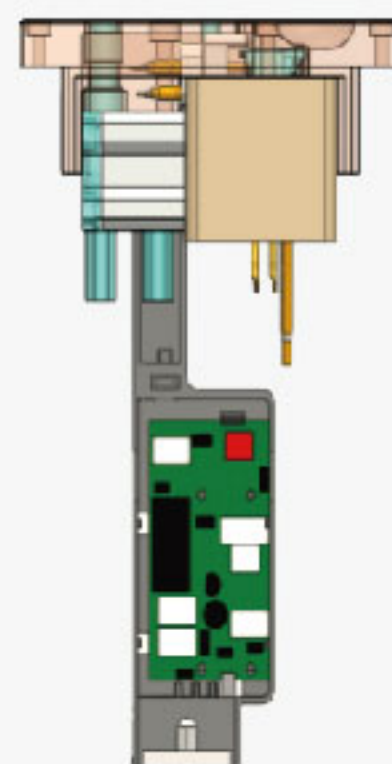
保险丝盒模块
Fuse box module



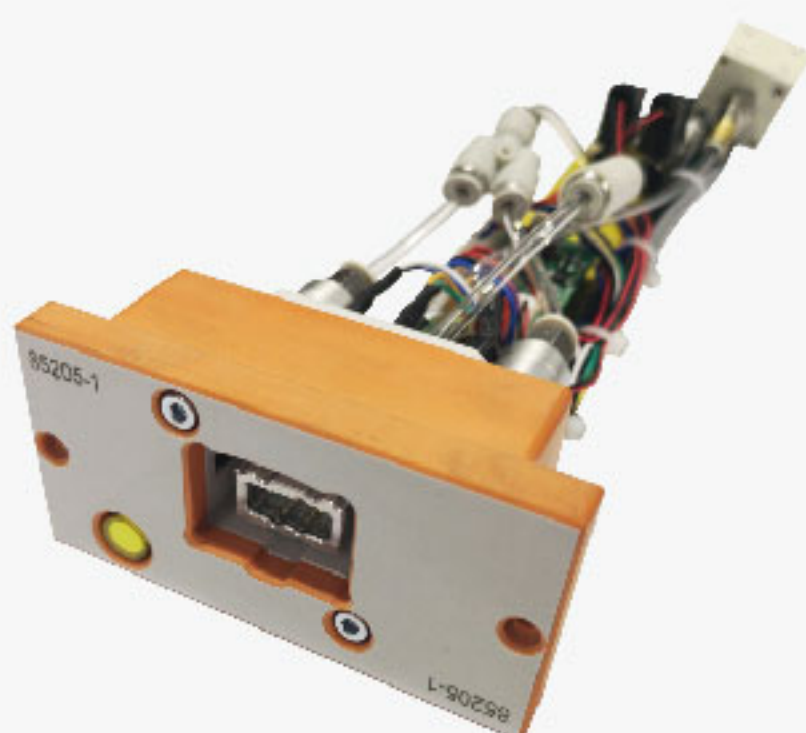
卧式结构模块
Horizontal structure module



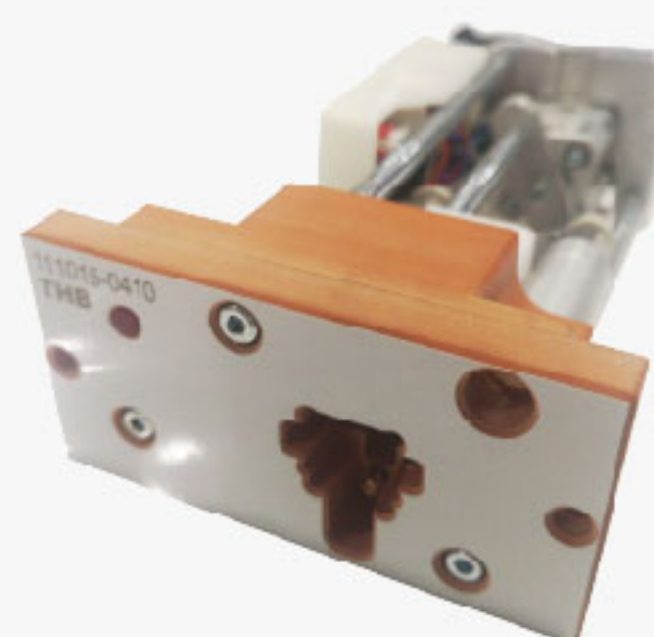
外凸锁片关闭模块
Convex locking plate module



内凹锁片关闭模块
Concave locking plate module



气密模块
Airtight module



USB专用模块
Dedicated USB module

HBQ-051A/HBQ-052A/HBQ-053 型端子剖面工作室

HBQ-051A/HBQ-052A/HBQ-053 CROSS SECTION ANALYSIS CENTER

产品介绍

Introduction

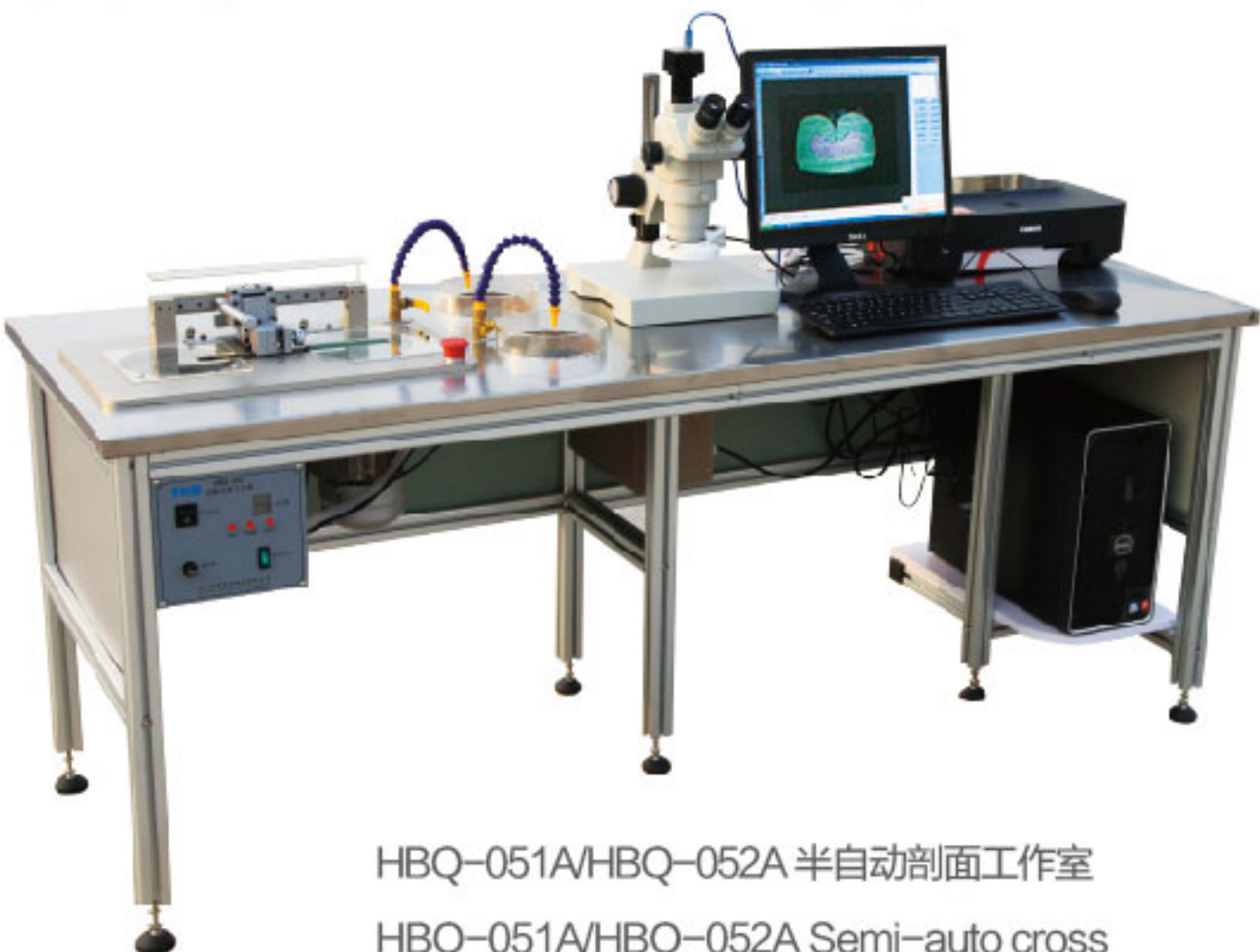
该产品是线束行业端子压接内部品质检验的一种精良分析设备，由端子切割、研磨、腐蚀、清洗、断面图像采集、测量分析、报告打印等单元组成。能在3~5分钟内完成对一个端子的处理过程，极大的提高了端子断面品质检验速度。简易的操作，高品质的图像采集，精确的测量分析为您的生产保驾护航。

This measuring equipment designed professionally to guarantee high quality for wire harness industry,it will take 3~5minutes to go through procedures such as incision, erosion , cross-sectional image processing , testing analysis , records and so on. it improves the quality inspect speed of the terminal cross section greatly.

产品特性

Features

- 人体工学设计，模块化组合，流水线式工作流程，让操作更方便、舒适；
 - 一次装夹，一步到位，切割、研磨只需一推一拉；
 - 0.5/1mm厚超薄专用切割砂轮片，切割表面平整，便于抛光；
 - 精密导轨传动，切割、研磨更平稳，质量更稳定；
 - 可定时泡沫腐蚀，断面处理更均匀，图像更美观；
 - 高品质光学系统与高分辨率摄像头的完美组合，让断面图像更清晰，独特的定倍定档让测量更精确；
 - 采用变频器控制三相电机，启动转矩大，电机转速可调,满足不同客户的需求。
- Mechanics designed humanity accordingly, assembly line production can make your operation more convenient and comfortable;
 - The clamping only needs one step, you can finish the cutting and grinding by push and pull;
 - The ultrathin dedicated cutting wheel which is only 0.6mm could make the cut face smooth and easy to polish;
 - The precise guide rail transmission enables the cutting and grinding more steady;
 - Timely corrosion can cause level in cross section and beautiful in image processing;
 - The perfect combination of high quality optical systems and HD camera will provide you clearer cross section image;
 - With Three phase motor controlled by transducer, the rotating speed can be adjustable upon request.



HBQ-051A/HBQ-052A 半自动剖面工作室
HBQ-051A/HBQ-052A Semi-auto cross section analysis center



HBQ-053全自动剖面工作室
Automatic cross section analysis center

技术参数

Specifications

型 号	Type	HBQ-051A	HBQ-052A	HBQ-053
切割线径	Cross Section	0.3~8.0mm ²	0.5~25mm ²	0.35~120mm ²
切割轮厚	Wheel Thickness	0.5/1mm		0.7mm
转 速	Rotating Speed	2700rpm(max)		2700rpm(max)
腐 蚀	Corrosion	酸液腐蚀 Acid		电解腐蚀 Electrolytic corrosion
处理时间	Processing Time	3~5min		3~5min
摄 像 头	Camera	300M, USB 2.0		300M, USB 2.0
高清显微镜	Hd Microscope	14~45x		10~45x
剖面分析软件	Cross Section Analysis Software	海昌剖面分析软件 HACINT cross section system (HCSS)		X-scan (Germany) /HCSS (可选 Optional)
电 源	Power Supply	AC220V/50Hz		AC220V/50Hz
尺 寸	Dimensions	L1840×W640×H740mm		L2445×W640×H1290mm

HBQ-061C/064/065/065-E/410 型数字拉力试验机

HBQ-061C/064/065/065-E/410 PULL FORCE TESTER

产品介绍 Introduction

HBQ-06X 系列数字式拉力试验机是一款专用拉力检测设备，用于压接后接线端子拉脱力、焊接端子撕拉力及防水栓拉脱力；设备采用嵌入式控制系统高效、且具有显著的稳定性和准确性；根据需要，能实现现代工厂设备联网的要求，方便组网。

HBQ-06X Digital pull tester series are specially used to test the pull-out force of the crimped terminals, welded terminals and the seals. Embedded system is adopted with high efficiency, notable stability and high precision. HBQ-06X pull testers are able to integrate the network port and meet the demands of networking in the modern factory.



HBQ-061C



HBQ-064



HBQ-065/065E



HBQ-410

功能 Function

- **自动复位:** 可设定自动复位条件，在拉脱端子后自动复位；
- **系统设定:** 方便设定测试上下限，校准，拉脱条件等系统参数；
- **力限限定:** 当测试力值超出设定的上下限时报警提示；
- **单位转换:** kg和N单位快速转换，可设定为开机状态；
- **通讯连接:** 可串口发送指令控制试验机，返回峰值拉力数据，也可USB数据交互返回文本数据或导入MES系统。(通讯协议开放)；
- **数据显示:** 可同时显示实时拉力和峰值拉力；
- **数据处理:** 测试数据可记录、传输、清除，方便数据处理。

- **Auto-reset:** Be able to set the conditions of the auto-reset and reset automatically after pulling the terminal off;
- **System setting:** it's convenient to set the parameters, such as the up and down limits, calibration and the condition of pulling out;
- **Force limits:** Alert when the pull force exceeds the limits;
- **Unit switch:** Quick switch between Kg and N and any of them can be set as the default;
- **Communication connection:** Sending commands through the serial port can control the tester and return the peak force data. Text data can also be returned via USB data interaction or imported into the MES system;
- **Data display:** Display the real-time and peak force simultaneously;
- **Data processing:** The test data can be recorded, transmitted, eliminated, which make the data processing easy.

技术参数 Specifications

型 号 Type	HBQ-061C	HBQ-064	HBQ-065/065E	HBQ-410
电 源 Power Supply	AC220/AC110(可选) (Optional)			
功 率 Power	40W(max)	30W(max)	40W(max)	400W(max)
采集速度 Data Acquisition Speed	1KHz			
重 量 Weight	15kg	9kg	18kg	110kg
测量范围 Measuring Range	5~500N /0.5~50kg	5~1000N /0.5~100kg	5~2000N /0.5~200kg	40N~10kN /4~100kg
测量精度 Applied Force Accuracy	± 1%	± 1%	± 2%	± 0.5%
尺 寸 Dimensions	L350×W210×H225mm	L310×W183×H88mm	L380×W253×H226mm	L600×W465×H1550mm

HBQ-Z021 智能自动组装机

HBQ-Z021 CONNECTORS AUTO-ASSEMBLY MACHINE

产品介绍

Introduction

HBQ-Z021 智能自动组装机是一款汽车连接器自动组装定制设备，该设备不仅能够实现连接器产品的全自动组装功能,而且还能够提升生产效率与生产品质，同时还能够节省人力的投入。该设备一次性投料全自动供料生产，且该设备通过模组标准化设计实现了定制设备的快速设计与交货。

HBQ-Z021 is a customized automatic machine ized a utom atic equipment for automobile connector, which not only can realize the fullyautomatic assembly function of connector products, but also can improve production efficiency and production quality, and also can save labor . HBQ-Z021 is fully automatic fed and produced by one-time feeding, and the rapid design and delivery of customized equipment are realized through modular standardized design .

特性

Feature

- 全自动供料组装生产；
- CCD 成品检测系统保证生产品质；
- 简洁的人性化操作平台便于生产操作使用；
- 模块化标准设计实现定制设备快速设计与交货。
- Fully automatic feed assembly production;
- Adopt CCD finished product detection system to ensure the quality of production;
- The simple humanized operation platform is convenient for production and operation;
- Modular standard design for rapid design and delivery of custom equipment.

技术参数

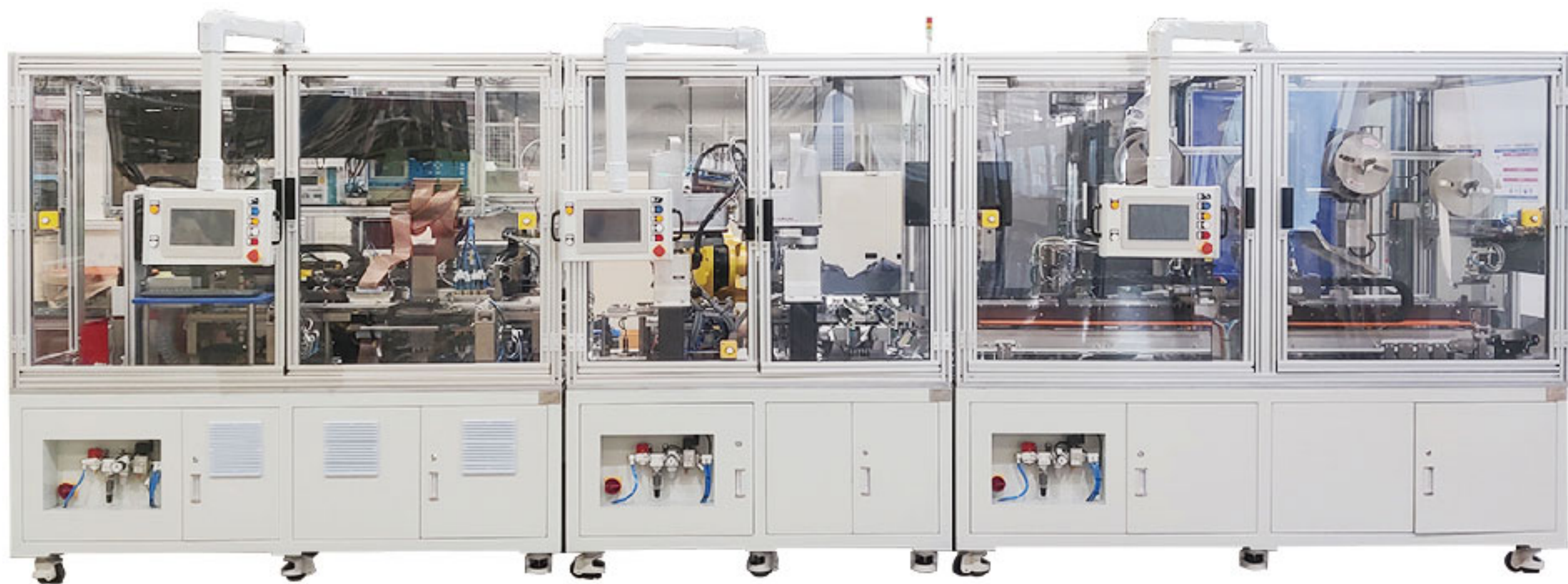
Specifications

型号	Type	HBQ-Z021
环境温度	Temperature	0~40℃
噪音大小	Noise level	<70dB
气源	Air Supply	0.5~0.7MPa
电源	Power Supply	AC220V/50Hz
功率	Power	1800W(max)
尺寸	Dimensions (mm)	L1000 × W1000 × H1800



HBQ-K612 168W板端连接器设备

HBQ-K612 168W BOARD END CONNECTOR MACHINE



产品介绍 Introduction

168W 板端连接器设备为自动生产线体，设备功能主要包含自动裁切插针、端子放入注塑机、成品取出、护板装配、线激光位置度扫描检测、导通耐压检测、气密性检测、激光打标、产品清洁，只需一名操作人员完成作业。端子切插针采用高速高精度的伺服柔性结构插入速度最快可达8根/s，单个产品插针168pin，使用六轴机械手取放，生产注塑节拍40S（一模两穴）。

168W board end connector equipment is an automatic production line, the main functions of the equipment include automatic cutting of pins, terminals into the injection molding machine, finished product removal, guard assembly, line laser position scanning detection, conductive voltage testing, air tightness testing, laser marking, product cleaning, only one operator to complete the operation. The terminal cutting pins are inserted at a speed of up to 8 pins/s using a high speed and high precision servo-flexible structure, a single product pin is inserted at 168 pins, a six-axis robot is used to pick and place the pins, and the production injection beat is 40S (two holes in one applicator).

特性 Features

- 设备布局美观，整体结构简洁大方，人工操作方便；
- 使用两台柔性插针模组同步作业，大幅提升生产周期；
- 端子裁切插针使用伺服柔性结构，效率高，精度好，插针速度可达8根/S，插针精度 $\pm 0.02\text{mm}$ ；
- 裁切刀具使用寿命可达100W次；
- 操作安全，使用防护网将机械手隔离；
- 使用运动半径为2700mm的六轴机械手搬运，机械手作业范围大，载重能力强；
- 采用3D线激光检测护套两侧端子位置度，影像位置度检测精度达 $\pm 0.04\text{mm}$ 。
- Beautiful layout, simple and elegant overall structure, easy to operate;
- The use of two flexible pin-cutter modules for simultaneous operation, significantly increasing the production cycle time;
- High efficiency and accuracy with servo-flex structure for terminal cutting and pin insertion, pin insertion speed up to 8 pins/S, pin insertion accuracy $\pm 0.02\text{mm}$;
- Cutting tool life up to 100W times;
- Safe operation, using a protective net to isolate the manipulator;
- Handling with a six-axis manipulator with a 2700mm radius of movement, with a large manipulator operating range and high load capacity;
- 3D line laser detection of terminal position on both sides of the sheath, with an image position detection accuracy of $\pm 0.04\text{mm}$.

技术参数 Specifications

设备尺寸	Dimensions	L6300 × W3000 × H2100mm	气源	Air Supply	0.5–0.6MPa
电源参数	Power Supply	220V AC	环境温度	Temperature	40° 以下
设备功率	Power	15KW	3D检测精度	3D inspection accuracy	$\pm 0.04\text{mm}$
设备CT（168pin）	Equipment CT (168pin)	40S（一模两穴） (two holes in one applicator)	插针速度	Pin insertion speed	rpm 180
			插针精度	Pin insertion accuracy	$\pm 0.02\text{mm}$
噪音水平	Noise level	$\leq 75\text{dB}$	设备重量	Weight	7000kg

HBQ-K603 高速视觉数粒机

HBQ-K603 HIGH SPEED VISION COUNTING MACHINE

产品介绍

Introduction

HBQ-K603 高速视觉数粒机利用高速光线传感器对高速移动的物体进行逐行扫描，从而获得产品移动轨迹的的投影图，并通过运算核心辅以高度优化的视觉算法软件进行计数并统计，以同步的控制模块和控制机构达到精准计数的目的。

HBQ-K603 uses high-speed light sensor to scan the fast-moving object line by line, so as to obtain the projection chart of the moving trajectory of the product, through the operation core supplemented by highly optimized visual algorithm software for counting and statistics. With synchronous control module and control mechanism to achieve the purpose of accurate counting.



特性

Features

- **美观**：本机颜色统一以工业灰为基调，整体结构简洁大方；友好的视觉视频，实时显示产品在线状态；
 - **精准**：拥有工业数粒领域内领先的高精度度。（银触点类产品数粒精度甚至可达99.95%以上）；
 - **快速**：高速的数粒速度。对细小颗粒物料（如衬衫纽扣、银触点、手机螺丝等）在准确计数的前提下数粒效率最高可达30000粒/分钟；C/T: 数粒机包装速度4包/分钟，每包200件连接器；
 - **灵活**：具备一键清理和快速切换数粒物料的方法，适用当今工业生产环境的多品种、少批量的生产数粒包装形式；可满足10MM-40MM产品尺寸，多品种切换生产；
 - **智能**：设备拥有强大的学习功能，可以有设备自行对数粒对象的参数进行识别，稍作人工修正保存后即可随时供调出使用。
- **Beautiful**: the machine takes commercial gray as the basic color, the overall structure is simple and generous; friendly visual video, real-time display of product online status;
 - **Accurate**: with leading high precision accuracy in the field of industry counting machine. (Silver contact products accuracy can be even up to 99.95%);
 - **Fast**: high particle counting speed. Under an accurate counting premise, the counting efficiency can be up to 30000/min for fine particles (such as shirt buttons, silver contacts, mobile phone screws, etc.); C/T: counting machine packing speed 4 packs/min, each pack of 200 connectors;
 - **Flexible**: one-click cleaning and quick switch the counting materials, it is suitable for multiple varieties and small batch packing mode of nowadays industrial production environment; it can meet the product size of 10mm-40mm, and multiple varieties switching;
 - **Intelligent**: it has a powerful learning function. It can identify the parameters of the counting object by itself. And the parameters can be called out for use any time after manually correct and save.

技术参数

Specifications

型号	Type	HBQ-K603 高速视觉数粒机 HBQ-K603 High speed vision counting machine
精确度	Accuracy	银触点类产品精度可达99.95%以上 Silver contact products accuracy can be even up to 99.95%.
数粒速度	Speed	对细小颗粒物料（如衬衫纽扣、银触点、手机螺丝等）准确计数前提下数粒效率最高可达30000/min Under an accurate counting premise, the counting efficiency can be up to 30000/min for fine particles (such as shirt buttons, silver contacts, mobile phone screws, etc.)
适用产品尺寸	Applicable product size	10-40mm
外形尺寸	Dimensions	L2.2×W4.1×H2.4m
工作流程	Work Process	人员上料-料仓下料-提升机上料-高速计数-包装-出料至接料仓 Manual feeding-stock bin discharge-lift feeding-high speed counting-packing-conveying to collect bin
周期时间	Cycle Time	数粒机包装速度4包/分钟 每包200件连接器 Packing speed 4 packs/min, each pack of 200 connectors.

HBQ-Z108 8盘卧式端子收料机

HBQ-Z108 8-DISK HORIZONTAL TERMINAL RECEIVER

产品介绍 Introduction

HBQ-Z108 8盘卧式端子收料机，是一款用于卷绕带状物的设备。
HBQ-Z108 is the horizontal terminal receiver with 8 disks to be used for winding tapes.

特性 Features

- **卷绕能力强**：每分钟可完成36米或2000个卷绕，（以先触发的数值为准）；
 - **占地面积小**：料盘水平放置，缩小设备的长宽尺寸；
 - **操作界面简易**：上手快，易操作，配方调整方便快捷；
 - **计数精度**：±6‰；
 - **模组化设计，扩展能力强**：进储料模组、上下移动切断模组、料盘模组等均可根据客户需求做出调整。
- **Strong winding capacity**: 36m or 2000 winding per minute (based on the firstly triggered value);
 - **Small space occupation**: The material tray is placed horizontally to reduce the length and width of the equipment;
 - **Simple operation interface**: easy to learn and operate, friendly and convenient formula adjustment;
 - **Counting accuracy**: ±6‰;
 - **Modular design and strong expansion ability**: It can be customized according to customer requirements, including feeding and storing module, moving up and down module, cutting module, plate module, etc.



技术参数 Specifications

型号	Type	HBQ-Z108
电源	Power Supply	AC220V/50Hz
功率	Power	1.3kW
适用气压	Applicable pressure	0.5-0.7MP
设备重量	Weight	550kg
设备尺寸	Dimensions	L2400 × W1200 × H3050mm

• APTIV •

安波福电气系统有限公司
APTIV Packard Electric system

LEONI

莱尼电气系统有限公司
LEONI Electrical Systems

LEAR
CORPORATION

李尔
LEAR Corporation

Amphenol

安费诺
Amphenol Corporation

GENTHERM

捷温汽车系统有限公司
Gentherm Automotive System Ltd.

JAH

上海金亭汽车线束有限公司
Shang Hai Jinting Automobile Harness Ltd.

BOSCH

博世汽车部件有限公司
Bosch Automotive Products Co., Ltd.

SUMITOMO ELECTRIC

住友电工
SUMITOMO ELECTRIC

FUJIKURA

藤仓电装
FujiKura

BizLink

贸联
BizLink Group

GREAT WALL

长城汽车线束
GreatWall Automobile Wiring Harness

YAZAKI CORPORATION

矢崎总业
YAZAKI-CORPORATION

Continental

大陆汽车电子有限公司
Continental Automotive Co., Ltd.

CBW

长春市灯泡电线有限公司
Changchun Bulb Wire Co., Ltd.

YUTONG

郑州宇通集团有限公司
Zhengzhou Yutong Group Co., Ltd.

Coroplast

科洛普线束技术有限公司
Coroplast Harness Technology Co., Ltd.

LUXSHARE ICT

立讯精密工业股份有限公司
Luxshare Precision Industry Co., Ltd.

PKC GROUP

比克希集团
PKC Group

中航光电
JONHON

中航光电科技股份有限公司
Jonhon Optoelectronic Technology Co., Ltd.

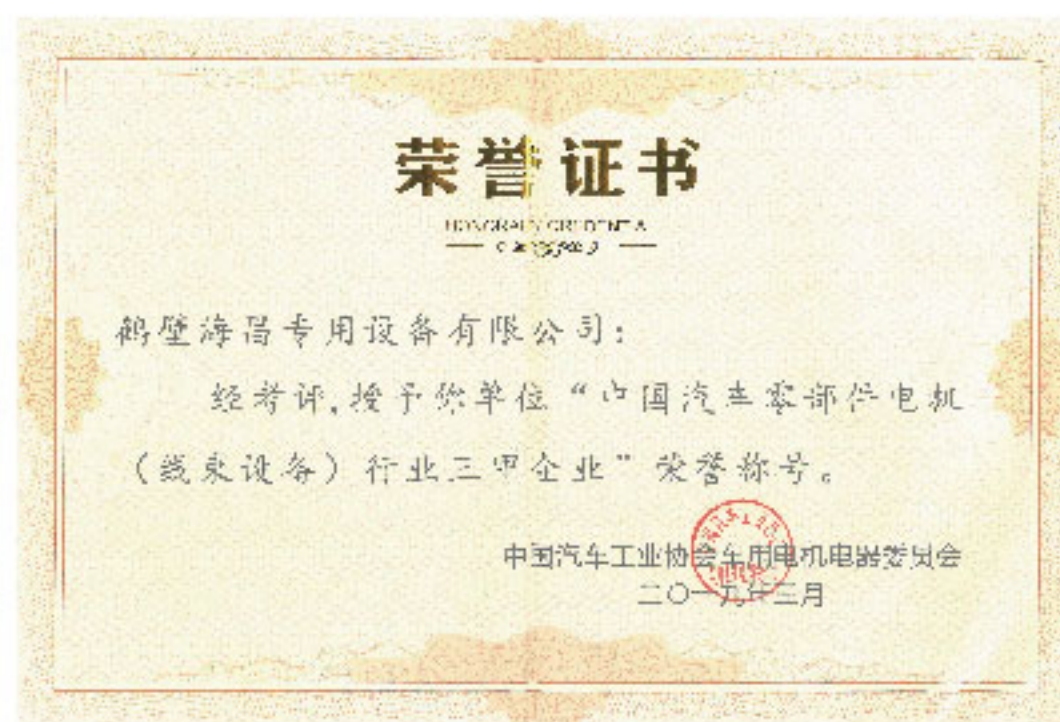
BYD

比亚迪
BYD Co., Ltd.

品质决定未来
The quality, the future
109/110



高新技术企业认定证书
National High-tech Enterprise



汽车工业协会行业三甲企业证书
3A Class Enterprise by CAAM



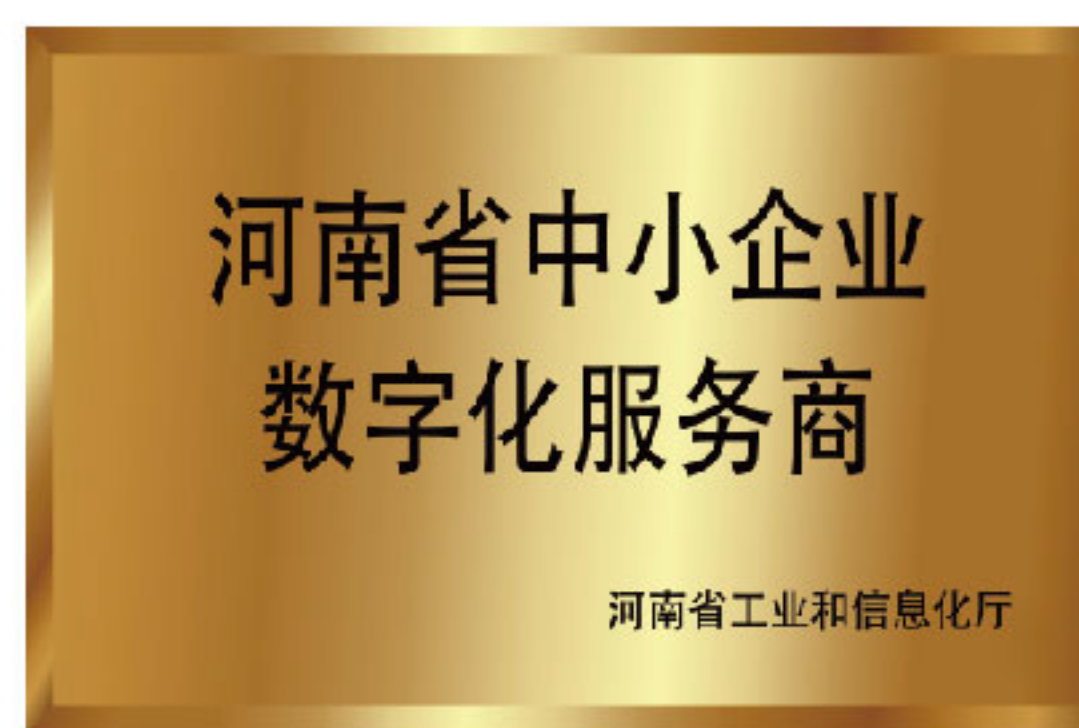
2020年全国质量标杆
National Quality Benchmark



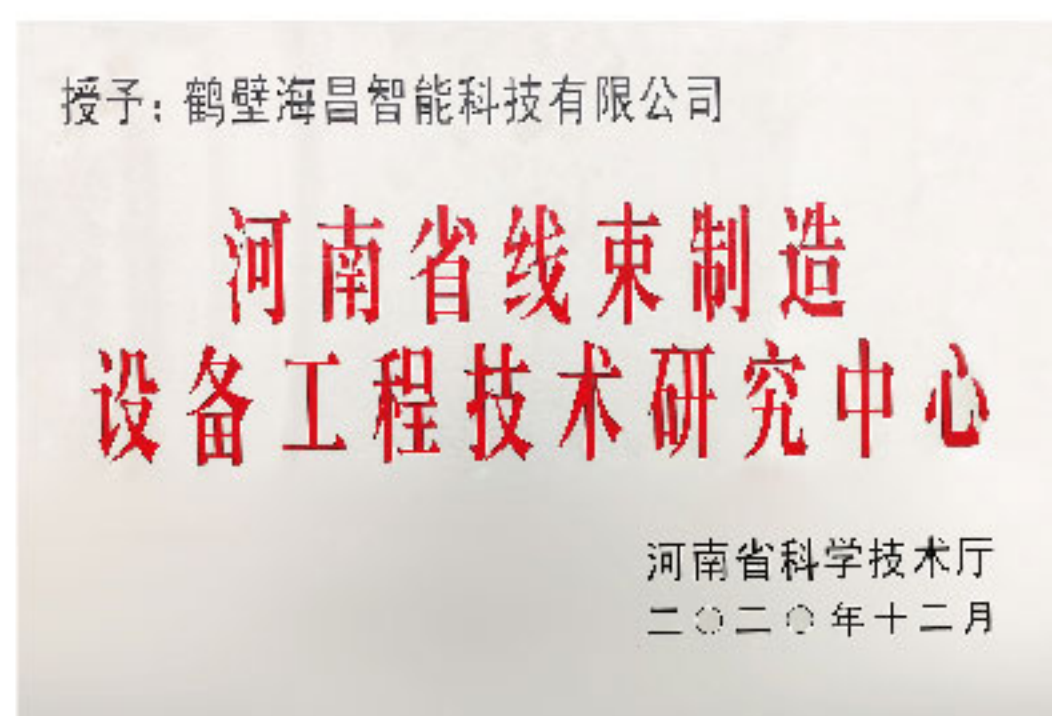
河南省智能工厂
Smart Factory in Henan Province



国家级重点专精特新“小巨人”企业
National Specialized and New "Small Giant" Enterprise



河南省中小企业数字化服务商
Digital Service Provider for SMEs in Henan Province



河南省线束制造设备工程技术研究中心
Wire Equipment R&D Center in Henan Province



博士后科研工作分站
Post-doctoral Sub station



2020年河南省科学技术进步奖证书
Science and Technology Progress Award in Henan Province



国家火炬计划产业化示范项目证书
National Torch Plan Industrialization Project



环境证书TüV ISO 14001:2015
TüV ISO 14001:2015 Certificate



CE证书
CE Certification



质量证书TüV ISO 9001:2015
TüV ISO 9001:2015 Quality Certificate



补充证书
certificate of addition

海 昌 智 能

超出客户的期望

EXCEED YOUR EXPECTATIONS



联系我们

Contact us

鹤壁海昌智能科技有限公司

地址：河南省鹤壁市经济技术开发区渤海路396号
邮编：458030
手机：18639229550
电话：0392-3357155/6/9
传真：0392-3313264
邮箱：sales@hacint.com.cn
网址：http://www.hacint.com.cn/

河南海弘软件技术有限公司

地址：河南省鹤壁市经济技术开发区渤海路396号
邮编：458030
电话：15565620606/18603920258
传真：+86-392-3313264
邮箱：gaoxiangyang@hacint.com.cn

东莞海弘智能科技有限公司

地址：广东省东莞市松山湖大道和源丰南路交叉口
松湖智谷科产业园D2栋5楼
邮编：523075
电话：166-3926-9813/186-0392-0258
传真：0392-3313264
邮箱：chengxiaoliang@hacint.com.cn

昆山海弘智能科技有限公司

地址：江苏省昆山市高新技术开发区长阳路68号
邮编：200083
电话：185-3858-5106/166-3926-9821
传真：0392-3313264
邮箱：liuyongchao@hacint.com.cn

长春技术服务中心

地址：长春市朝阳区光谷大街咖啡小镇52栋1单元401室
邮编：130012
电话：166-3926-9823
传真：0392-3313264
邮箱：zhaoxinmin@hacint.com.cn

重庆技术服务中心

地址：重庆市北部新区翠渝路2号汽车工业配套园4区C栋3层5楼
邮编：401120
电话：166-3926-9812
传真：0392-3313264
邮箱：liuhuibiao@hacint.com.cn

亚洲营销服务

地址：河南省鹤壁市经济技术开发区渤海路396号
邮编：458030
电话：166-3926-9815
传真：+86-392-3313264
邮箱：mafei@hacint.com.cn

美洲营销服务

地址：河南省鹤壁市经济技术开发区渤海路396号
邮编：458030
电话：166-3926-9800
传真：+86-392-3313264
邮箱：wangxin@hacint.com.cn

欧洲营销服务

地址：河南省鹤壁市经济技术开发区渤海路396号
邮编：458030
电话：166-3926-9816
传真：+86-392-3313264
邮箱：yangjilong@hacint.com.cn

全球服务热线

Global service hotline

400-666-9321



注：本样本内容均经过详细勘实，因校对、拍摄及印刷原因所造成的失误应以实际为准，产品图片以实物为准，技术参数以产品说明为准。

样本内提到的其它产品、徽标及公司名称归各所有者。

郑州市深度设计有限公司提供设计印刷支持 电话：0371-55693696