

Contact us

HACINT INTELLIGENCE TECHNOLOGY CO., LTD

Add: No.396, Bohai road, economic development zone,
Hebi city, Henan province, China
Mobile: 186-3922-9550
Tel: 0392-3357155/6/9
Fax: +86-392-3313264
Email: sales@hacint.com.cn
Website: <http://www.hacint.com.cn/>

HENAN HAIHONG SOFTWARE TECHNOLOGY CO., LTD

Add: No.396, Bohai road, economic development zone,
Hebi city, Henan province, China
Tel: 155-6562-0606/186-0392-0258
Fax: +86-392-3313264
Email: gaoxiangyang@hacint.com.cn

DONGGUAN HAIHONG INTELLIGENCE TECHNOLOGY CO., LTD.

Add: 5 Floor, D2 building, songhuzhigu industrial zone,
Intersection of Songshanhu Avenue and Yuanfeng South
Road, Dongguan city, Guangdong province, China
Tel: 166-3926-9813/186-0392-0258
Fax: +86-392-3313264
Email: chengxiaoliang@hacint.com.cn

KUNSHAN HAIHONG INTELLIGENT TECHNOLOGY CO., LTD

Add: No. 68, Changyang Road, High tech Development
Zone, Kunshan, Jiangsu province, China.
Tel: 185-3858-5106/166-3926-9821
Fax: +86-392-3313264
Email: liuyongchao@hacint.com.cn

CHANGCHUN TECHNOLOGY SERVICE CENTER

Add: Room 401, Unit 1, Building 52, Guanggu Avenue
Coffee Town, Chaoyang District, Changchun
Tel: 166-3926-9823
Fax: +86-392-3313264
Email: zhaoxinmin@hacint.com.cn

CHONGQING TECHNOLOGY SERVICE CENTER

Add: 5/F, 3/F, Building C, Zone 4, Automobile Industry
Supporting Park, No. 2, Cuiyu Road, New North Zone,
Chongqing
Tel: 166-3926-9812
Fax: +86-392-3313264
Email: liuhuibiao@hacint.com.cn

ASIA MARKETING SERVICES

Add: No.396, Bohai road, economic development zone,
Hebi city, Henan province, China
Tel: 166-3926-9815
Fax: +86-392-3313264
Email: mafei@hacint.com.cn

AMERICA MARKETING SERVICES

Add: No.396, Bohai road, economic development zone,
Hebi city, Henan province, China
Tel: 166-3926-9800
Fax: +86-392-3313264
Email: wangxin@hacint.com.cn

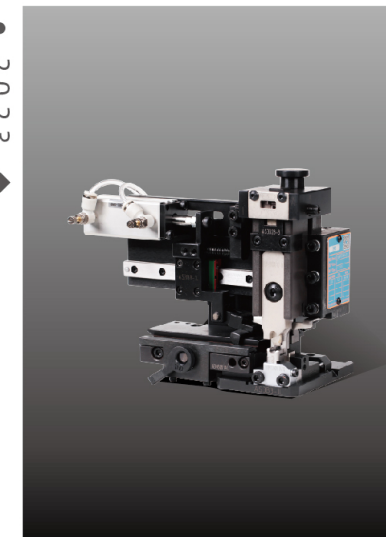
EUROPE MARKETING SERVICES

Add: No.396, Bohai road, economic development zone,
Hebi city, Henan province, China
Tel: 166-3926-9816
Fax: +86-392-3313264
Email: yangjilong@hacint.com.cn

HACINT INTELLIGENCE TECHNOLOGY CO., LTD PRODUCT CATALOG



2 0 2 3



PRODUCT CATALOG

Global service hotline
400-666-9321



HACINT

HACINT INTELLIGENCE TECHNOLOGY CO., LTD

Note: The contents of this sample have been verified in detail. Errors caused by proofreading, shooting and printing shall be subject to the actual situation.
The product pictures shall be subject to the real object, and the technical parameters shall be subject to the product description.
Other products, logos and company names mentioned in the sample belong to each owner. Zhengzhou depth Design Co, Ltd. provides design and printing support Tel: 180 3712 3566



To be the trusted systematic solutions supplier for intelligent manufacturing



National High-tech Enterprise ISO 9001:2015 ISO 14001:2015



CE VDA6.4

By SGS

Certification



About us

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, electrical tool, Photovoltaic industry and semiconductor industry.

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. Outstanding private enterprise of 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!



Dongguan Haihong : R&D center in South China



Kunshan Haihong : R&D center in East China



Henan Haihong : Software Service

CATALOG

SOFTWARE SERIES

07/08

HMES INTELLIGEN MANUFACTURING EXECUTION SYSTEM	07
--	----

HARNESS EQUIPMENT SERIES

09/94

AUTOMATIC CRIMPING EQUIPMENT

09/23

HBQ-802E FULLY AUTOMATIC CRIMPING MACHINE	09
HBQ-804 FULLY AUTOMATIC CRIMPING MACHINE	11
HBQ-804H FULLY AUTOMATIC CRIMPING MACHINE	13
HBQ-804P FULLY AUTOMATIC CRIMPING MACHINE	15
HBQ-805 FULLY AUTOMATIC CRIMPING MACHINE	17
FSA-001E SEAL LOADING MODULE	19
HBQ-804-03A WIRE PREFEEDER	20
DUAL WIRES FEEDING MODULE	21
QUICK CHANGE MODULE	21
CVIS100 VISUAL INSPECTION SYSTEM	22
HBQ-054 STRIPPING & SEALING DETECTION SYSTEM	23

CRIMPING EQUIPMENT

24/39

HBQ-2030JB/X4030JB/8030J CRIMPING MACHINE	24
HBQ-2040EB/X4040EB/8040E CRIMPING MACHINE	25
HBQ-P20/P30 CRIMPING MACHINE	26
HBQ-160 MULTI-FUNCTION CRIMPING MACHINE	27
HBQ-160H MULTI-FUNCTION CRIMPING MACHINE	28
HBQ-X4030JSI/X4040ESI/8030JSI/8040ESI NETWORK CRIMPING MACHINE	29
HBQ-X4030NJSI/X4040NESI/8030NJSI/8040NESI NETWORK SERVO CRIMPING MACHINE	30
HBQ-P12 CRIMPING MACHINE	31
HBQ-S18 SERVO CRIMPING MACHINE	32
HBQ-NP30/NP40 SERVO CRIMPING MACHINE	33
HBQ-H15A OIL HYDRAULIC CRIMPING MACHINE	34
HBQ-125A HEXAGONAL CRIMPING MACHINE	35
HBQ-121 CRIMPING MACHINE	36
HBQ-K642 FPC CRIMPING MACHINE	37
OPTIONAL ACCESSORIES	38

STRIPPING AND CRIMPING EQUIPMENT

40/48

HBQ-208 STRIPPING & CRIMPING MACHINE	40
HBQ-210B STRIPPING & CRIMPING MACHINE	41
HBQ-210C STRIPPING & CRIMPING MACHINE	42
HBQ-210D STRIPPING & CRIMPING MACHINE	43
HBQ-210E STRIPPING & CRIMPING MACHINE	44
HBQ-106 LOOSE TERMINAL CRIMPING MACHINE	45
HBQ-109 DUAL-WIRE CRIMPING MACHINE	46
HBQ-212A ETHERNET SHORT WIRE STRIPPING AND CRIMPING MACHINE	47
HBQ-011/011S FERRULES CRIMPING MACHINE	48

MULTIFUNCTIONAL EQUIPMENT

49/61

HBQ-901 HARNESS PROCESSING CENTER	49
HBQ-902 HARNESS PROCESSING CENTER	50
HBQ-906 FULLY AUTOMATIC CABLE PROCESSING MACHINE	51
HBQ-903 CONTROL CABINET CABLE PROCESSING CENTER	52
HBQ-922 DUAL-WIRE TWISTING CENTER	53
HBQ-180 PROCESSING CENTER	55
HBQ-910A AUTOMATIC WIRE CUTTING AND WINDING MACHINE	56
HBQ-212 ETHERNET AUTOMATIC ASSEMBLY EQUIPMENT	57
HBQ-912 AUTOMATIC ETHERNET PROCESSING MACHINE	58
HBQ-910B FAKRA CABLE ASSEMBLY EQUIPMENT	59
HBQ-428B NEW ENERGY WIRE PROCESSING EQUIPMENT	60
HBQ-960 AUTOMATIC NEW ENERGY CABLE PROCESSING MACHINE	61

CUTTING AND STRIPPING EQUIPMENT

62/73

HBQ-041C AUTOMATIC STRIPPING MACHINE	62
HBQ-421 AUTOMATIC STRIPPING MACHINE	63
HBQ-423 AUTOMATIC STRIPPING MACHINE	64
HBQ-429 ELECTRIC STRIPPING MACHINE	65
HBQ-430 SEMI-AUTOMATIC COAXIAL WIRE STRIPPING MACHINE	66
HBQ-422A ROTARY STRIPPING MACHINE	67
HBQ-426 ROTARY STRIPPING MACHINE	68
HBQ-425A SHIELDING BRAID CUTTING MACHINE	69
HBQ-225 NEW ENERGY CABLE PROCESSING MACHINE	70
HBQ-221A NEW ENERGY CABLE PROCESSING MACHINE	71
HBQ-223A NEW ENERGY CABLE PROCESSING MACHINE	72
HBQ-428 AUTOMATIC NEW ENERGY CABLE PROCESSING MACHINE	73

SEALING EQUIPMENT 74/77

FSM-001 SEAL LOADING MACHINE	74
WPP SEAL APPLICATOR	75
FSY-001 SEAL DEOILER	75
HBQ-Z209B PLUGGING INSERTING MACHINE	76
HBQ-Z215A AUTOMATIC INSERTION MACHINE	77

POST HARNESS PROCESS EQUIPMENT 78/93

HBQ-371 HEAT-SHRINK MACHINE	78
HBQ-371DZ HEAT-SHRINK ALIGNING MODULE	79
HBQ-372 HEAT-SHRINK MACHINE	80
HBQ-373 HEAT-SHRINK MACHINE	81
HBQ-068 TWISTING MACHINE	82
HBQ-068JD TWISTING MACHINE	83
HBQ-360 TWISTING MACHINE	84
HBQ-360S TWISTING MACHINE	85
HBQ-067/067C TAPE BUNDLER	86
HBQ-320/321 CABLE TIE GUN	87
TLZ-4/TLZ-5 WIRE HARENESS ASSEMBLY LINE	88
HBQ-Z211 BUCKLE INSTALLATION MACHINE	89
HBQ-G401 TORQUE WORKSTATION	90
HBQ-G401B TORQUE WORKSTATION(VISUAL VERSION)	91
HBQ-G420-00 FUSE BOX CRIMPING MACHINE	92
HBQ-Z304 AUTOMATIC LABEING MACHINE	93

SEALING EQUIPMENT 94

HBQ-K703 ULTRASONIC WELDING MACHINE	94
-------------------------------------	----

CRIMPING APPLICATOR SERIES 95/102

YJM-AFS300I/YJM-AFE300I CRIMPING APPLICATOR	95
S3D CRIMPING APPLICATOR	96
GS3M2 CRIMPING APPLICATOR	96
AS4A/AE4A CRIMPING APPLICATOR	97
XS4/E4 CRIMPING APPLICATOR	98
YJM-4XA/YJM-100 APPLICATOR	99
GS3M4 CRIMPING APPLICATOR	99

CLM BATTERY TERMINAL CRIMPING APPLICATOR	100
AFS300B-S SENSING APPLICATOR	101
AFS300K CRIMPING APPLICATOR	101
AFTCA COUNTING CRIMPING APPLICATOR	101
NEFTCA-X FLAG TERMINAL CRIMPING APPLICATOR	101
ADS CRIMPING APPLICATOR	101
ESTA CRIMPING APPLICATOR	101
FPCA (FOUR POINTS) CRIMPING APPLICATOR	101
SPCA (SIX POINTS) CRIMPING APPLICATOR	101
RFPCA CRIMPING APPLICATOR	101
EHCA CRIMPING APPLICATOR	101
NANO CRIMPING APPLICATOR (S4B)	101
DYM-C CRIMPING APPLICATOR	101
LCMS HEAVY DUTY CRIMPING APPLICATOR	102
HCA CRIMPING APPLICATOR	102
NHCA CRIMPING APPLICATOR	102
HSPCA CRIMPING APPLICATOR	102
HD07 HEAVY DUTY CRIMPING APPLICATOR	102
HSPCA-K SIX POINTS CRIMPING APPLICATOR	102
WHCA CRIMPING APPLICATOR	102
WEARING PARTS(BLADES)	102

HARNESS TEST SERIES 103/114

CS TEST TABLE	103
HCS6000 TEST TABLE	105
HCS6000A TEST TABLE	106
CSA CABLE TIE TEST TABLE	107
CSB VISUAL TEST TABLE FOR ELECTRIC BOX	108
CSB-0023 FAKRA IMAGE VISUAL TESTING EQUIPMENT	109
GZ-0012 AIR-LEAKAGE DETECTION TABLE	110
TEST MODULE	111
HBQ-052A/HBQ-053 CROSS SECTION ANALYSIS CENTER	112
HBQ-061C/064/065/065-E/411 PULL FORCE TESTER	113
HBQ-401 CABLE TIE GUN TENSION TESTER	114

INTELLIGENT EQUIPMENT SERIES 115/116

HBQ-K612 168W BOARD END CONNECTOR MACHINE	115
HBQ-K610 BLIND PLUG FUSE BOX FLEXIBLE ASSEMBLY	116

EQUIPMENT OF OTHER INDUSTRY 117/118

HBQ-K603 HIGH SPEED VISION COUNTING MACHINE	117
HBQ-Z108 8-DISK HORIZONTAL TERMINAL RECEIVER	118

HMES INTELLIGEN MANUFACTURING EXECUTION SYSTEM

Introduction

With more than 30 years of equipment development and manufacturing experience, according to the characteristics and problems of “wire harness, injection molding, machining, stamping, cable and electronic” production management, we have successfully developed HMES Haihong Intelligent Manufacturing Execution System. It aims to provide customers with integrated information solutions from process management to product production. Through the process data input, equipment data interaction, real-time recording of production data, electronic Kanban display, information system integration and other features, greatly improve the production efficiency and information management level, while ensuring the production and quality two-way traceability, to provide support for managers on the production site management and decision-making.

Function

Equipment Management

Equipment ledger, spot inspection and main tenance, data acquisition

Applicator Management

Storage record, maintenance reminder applicator account

Process Management

Process BOM, process procedure, process parameter

Production Management

Order scheduling, task assignment, progress monitoring

Lighting Management

Problem feedback, upgrade reminder, statistical analysis

Quality Control

Inspection items, inspection records, repair processing

Integrated Management

ERP integration, WMS integration, equipment integration

Report Management

Production report, exception report, quality inspection report

Features

Visual Data

Production process data through Kanban, report intuitive display

Integrated System

Connect with ERP, WMS and other systems to realize data sharing

Automatic Equipment Acquisition

After interconnecting with the device, the system automatically acquires parameters in real time and monitors device status



Intelligent Production Scheduling

Realize intelligent production scheduling according to process parameters, order delivery time, etc

Traceability of the Full Process

Through the key information to achieve the product process bidirectional traceability

Multi-end Synergy

Compatible with PC, PDA, PAD, APP, etc

Customer case



Successfully applied in a well-known harness enterprise in July 2021

More than 100 sets of automatic crimping machines, test tables, and other machines have been connected

More than 20 pcs of production, quality reports and kanban have been developed

Successfully implement the client, web, mobile terminal operation together

Application benefit

35% of production line change efficiency increased

29% of quality anti-stay and anti-error improved

95% of paper type documents reduced

20% of the process to optimizing staff increased



Injection Molding



Stamping

HBQ-802E FULLY AUTOMATIC CRIMPING MACHINE



Introduction

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.

Function



Other functions

Cut to length Half strip Full strip Crimp to crimp Seal loading Inkjet marking Crimping height measuring
Pull force testing terminal strip cutting paper winder pneumatic delay feed automatic collection crimped wires
defectives treating(Matching CFM) Networking HMES

Features

- 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.

Specifications

Type	HBQ-802E
Cutting Length	60-20000mm
Cutting Accuracy	L<500mm : ± 1mm ; L > 500mm : ± (1mm+0.2%*L)
Stripping Length	0.1-18mm, side 1; 0.1-15mm, side 2
Wire Cross Sections	0.22-3mm ² (AWG24-AWG12)
Wire Feeding Speed	8.0 m/s(max)
Noise Level	<75dB(Without crimping)
Air Supply	0.5-0.6MPa
Air Consumption	5.5-10m ³ /h
Temperature	-5-40°C
Crimp Force	20kN
Stoke	30mm (40mm Optional)
Power Supply	AC380V/50Hz/3kW
Dimensions	L3720 × W1230 × H1875mm (Including 2m wire deposit unit)
Weight	1000kg
Optional Accessories	FSA-001 seal loading module HBQ-804-03A Wire Prefeeder DPS servo crimping module Safety cover Double wires feeding straightener Double terminal plate rotation module Visual module for crimping Wire deposit unit: 4m 6m or 8m

★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.

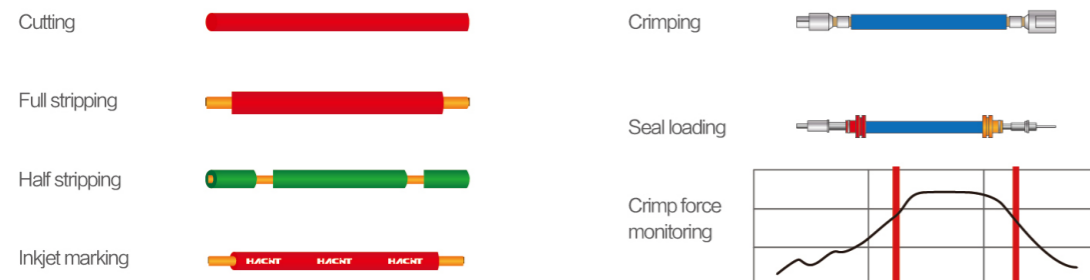
HBQ-804 FULLY AUTOMATIC CRIMPING MACHINE



Introduction

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 wire harness process.

Function



Other functions

Cut to length Half strip Full strip Crimp to crimp Seal loading Inkjet marking Crimping height measuring
Pull force testing terminal image detection terminal strip cutting paper winder pneumatic delay feed
automatic collection crimped wires defectives treating(Matching CFM) Networking HMES

Features

- 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.

Specifications

Type	HBQ-804
Cutting Length	60~20000mm
Cutting Accuracy	L<500mm : ± 1mm ; L > 500mm : ± (1mm+0.2% *L)
Stripping Length	0.1~18mm, side 1; 0.1~15mm, side 2
Wire Cross Sections	0.22~5mm ² (AWG24~AWG10)
Wire Feeding Speed	12m/s(max)
Noise Level	<75dB
Air Supply	0.5~0.6MPa
Air Consumption	6.5~10m ³ /h
Temperature	-5~+40°C
Crimp Force	20kN
Stoke	30mm (40mm Optional)
Power Supply	3x380V/50Hz/3kW
Dimensions	L4980 × W1485 × H2183mm (Including 2m wire deposit unit)
Weight	1400kg

Optional Accessories	Wire Prefeeder FSA-001 seal loading module DPS servo crimping module Frequency conversion crimping machine Shut height measurement module Terminal Pull Force detection module Terminal image detection module Safety cover Wire deposit unit: 4m 6m or 8m Double wires feeding straightener Terminal plate rotation module
----------------------	---

★ 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 FULLY AUTOMATIC CRIMPING MACHINE



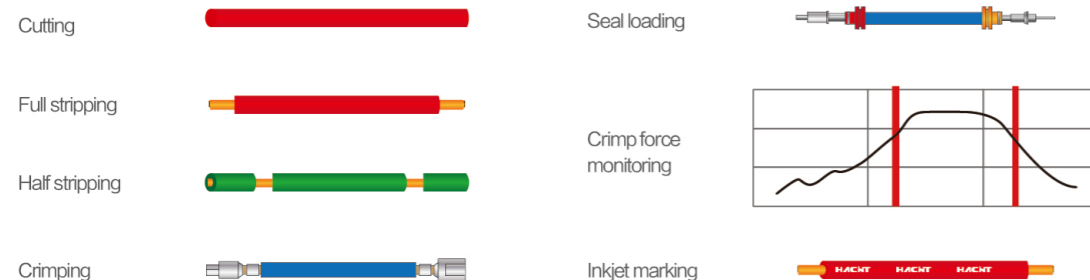
Introduction

HBQ-804H Automatic Crimping Machine, which is automatic processing equipment for wires of large square diameter (5.0-16mm²), can meet the processing needs of new energy wiring harness.

The machine adopts open platform of four stations, equipped with a unique driving system with high-speed control and high rigid driving mechanism, It is an excellent machine with high level processing capacity and high machining accuracy.

With computer control operating system, user-friendly operation interface, it is easy to train and operate.

Function



Other functions

Cut to length Half strip Full strip Crimp to crimp Seal loading Inkjet marking Crimping height measuring
Terminal strip cutting Paper winder Pneumatic delay feed Automatic collection of crimped wires
Defectives treating(CFM optional) Networking HMES

Features

- 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.

Specifications

Type	HBQ-804H
Cutting Length	60-20000mm
Cutting Accuracy	L<500mm : ± 1mm; L > 500mm : ± (1mm + 0.2% *L)
Stripping Length	0.1-18mm, side 1; 0.1-15mm, side 2
Wire Cross Sections	5.0-16mm ² (AWG11-AWG5)
Wire Feeding Speed	10m /s(max)
Noise Level	<75dB
Air Supply	0.5-0.6MPa
Air Consumption	7.5m ³ /h
Temperature	-5~+40℃
Crimp Force	80kN
Stoke	40mm Optional
Power Supply	3 × 380V/50Hz
Dimensions	L3925 × W1485 × H2183mm (Including 2m wire deposit unit)
Weight	1600kg

Optional Accessories

- FSA-001E seal loading module
- Shut height measurement module
- Safety cover
- Wire deposit unit: 4m 6m or 8m
- Terminal plate Holder rotation module

★ 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 FULLY AUTOMATIC CRIMPING MACHINE



Introduction

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.

Function



Other functions

Cut to length single/double end half stripping single/double end stripping single end crimping Seal loading Inkjet marking Crimping height measuring Pull force testing Terminal strip cutting Paper winder Pneumatic delay feed Automatic collection of crimped wires Defectives treating(CFM optional) loose terminal crimping, etc

Features

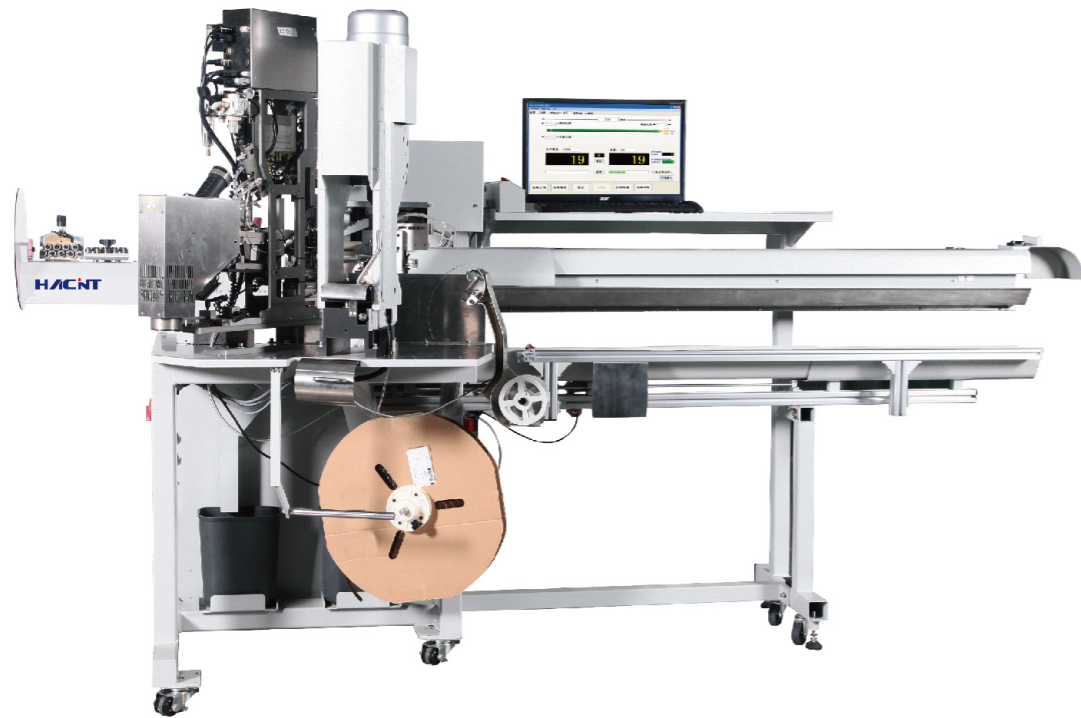
- **Labour-saving:** The functions of automatic cutting, tubing, inkjet printing and crimping all in one machine which replace the laborious work process;
- **High level:** Based on the platform of HBQ-804, the machine adopts high-speed control technology and high-rigidity drive mechanism;
- **High quality:** 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.

Specifications

Type	HBQ-804P
Cutting Length	80-20000mm
Cutting Accuracy	L<500mm : ± 1mm; L > 500mm : ± (1mm+0.2% *L)
Stripping Length	0.1-18mm, side1 0.1-15mm, side2
Wire Cross Sections	0.5-6.0mm ²
Wire Feeding Speed	10m/s(max)
Noise Level	<75dB
Air Supply	0.5-0.6MPa
Temperature	-5-+40°C
Crimp Force	22kN
Stoke	30mm (40mm Optional)
Power Supply	AC380V /50Hz/3kW
Dimensions	L4980 × W1700 × H2183mm (Including 2m wire deposit unit)
Weight	700kg
Optional Accessories	Wire Prefeeder Dual wires feeding Safety cover Terminal Pull Force detection module Wire deposit unit: 4m 6m or 8m

★ 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 FULLY AUTOMATIC CRIMPING MACHINE



Introduction

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.

Function



Other functions

Cut to length single/double end half stripping single/double end stripping single end crimping Seal loading Inkjet marking
Crimping height measuring Pull force testing Terminal strip cutting Paper winder Pneumatic delay feed
Automatic collection of crimped wires Defectives treating(CFM optional) loose terminal crimping, etc

Features

- Uniform color, simple and generous structure;
- The conveyor belt, anti-slip design, will not run off and not make the wire 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.

Specifications

Type	HBQ-805
Cutting Length	60~10000mm
Cutting Accuracy	L<500mm : ± 1mm; L > 500mm : ± (1mm+0.2% *L)
Stripping Length	0.1~18mm
Wire Cross Sections	0.35~3.0mm ²
Wire Feeding Speed	6m/s(max)
Noise Level	<75dB
Air Supply	0.5~0.6MPa
Temperature	-5~40°C
Crimp Force	20kN
Stoke	30mm (40mm Optional)
Power Supply	AC380V /50Hz/2kW
Dimensions	L3200 × W1100 × H1800mm (Including 2m wire deposit unit)
Weight	700kg

Optional Accessories

- FSA-001 seal loading module
- Wire Prefeeder
- DPS servo crimping module
- Safety cover
- Visual module for crimping
- Inkjet marking
- Loose terminal crimping machine
- Wire deposit unit: 4m 6m or 8m

★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-001E SEAL LOADING MODULE

Introduction

FSA-001E Seal Loading Module 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.

Features

- 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, with networked function.

Specifications

Wire Outer Diameter	1~5mm
Seal Size	Height & Diameter <17mm
Processing Time	0.17s
Cycle Time	0.9s
Power Supply	100~220VAC, 50Hz, 200W
Air Supply	0.55~0.7kPa
Dimensions	L1000 × W800 × H350mm
Weight	30kg



HBQ-804-03A WIRE PREFEEDER

Introduction

HBQ-804-03A Wire Prefeeder, 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.

Features

- Controlled 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.

Specifications

Power Supply	AC220V/50Hz
Power	400W
Feeding Speed	6m/s
Dimensions	L1349 × W385 × H1327mm
Weight	55kg



DUAL WIRES FEEDING MODULE

Introduction

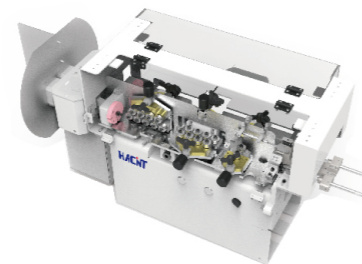
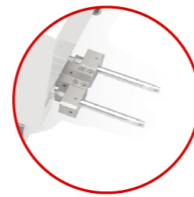
This unit mounts at the inlet side of the wires. The functions of straightening, feeding and switching wires are all in one. The wire could be prepared during the other wire are handling. Just need to click the button to switch to another wire which is preset and begin the production directly.

Features

- 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.

Specifications

Power Supply	220V
Air Supply	5-8Bar
Dimensions	W850 × D330 × H460
Weight	90Kg



QUICK CHANGE MODULE

Introduction

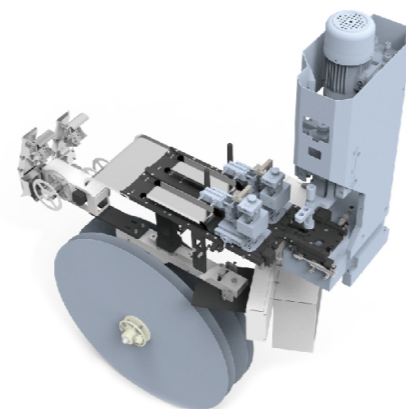
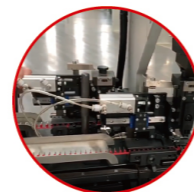
This device is used in conjunction with a fully automatic crimping machine. It could automatic ally feed the preset applicator and terminal to the work position. The applicator and the terminal are preset. When there is a need to use them, click the related button. This device will unlock and feed the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

Features

- Rigid and stable structure;
- One key switch save a lot of time and labor;
- Available for multiple type of machines.

Specifications

Power Supply	220V
Air Supply	5-8Bar
Weight	120kg



The picture contains parts that are not of this device

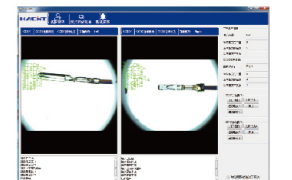
CVIS100 VISUAL INSPECTION SYSTEM

Introduction

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.

Features

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.



Function

- **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 confliction;
- **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.



Specifications

Judge Time	<100ms	Pass Vel Speed	3m/s
Snap Speed	1/60000s (17 μ s)	Exposure Time	<0.02ms
Failure Rate	0.10%	Lighting Time	1ms
Pixel	Color 300000 pixels	Save Types Number	unlimited

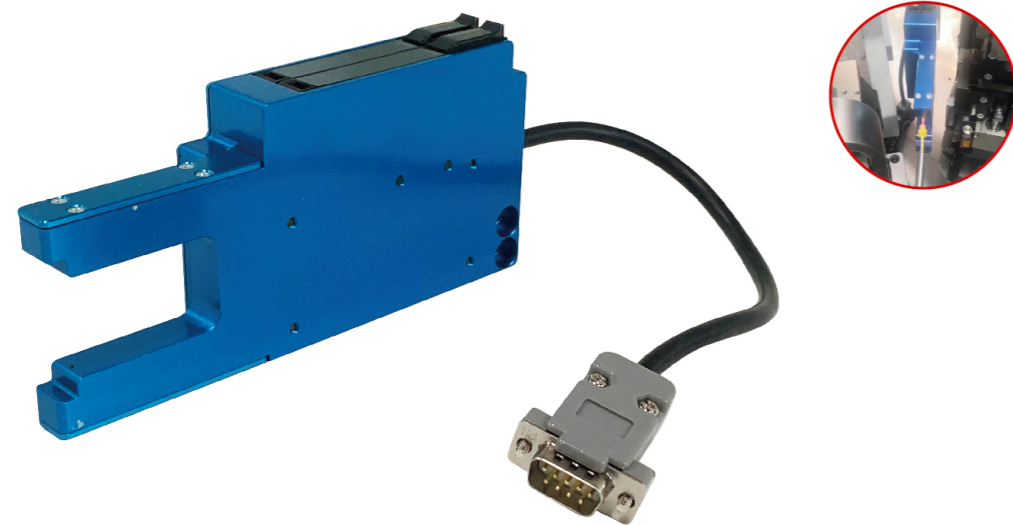
★ Related Products

HBQ-804 Fully Automatic Crimping Machine



Rejects

HBQ-054 STRIPPING & SEALING DETECTION SYSTEM



Introduction

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.

Features

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;
It can support single-wire mode and double-wire mode (the minimum distance between two wires is 4mm).

Specifications

Power Supply	24VDC	Min Diameter	0.25mm ²
Power	2W	Communication Interface	RS232
Frequency	80Khz	Io Interface	Two-way input & output.
Amplifier	< 60us	Dimensions	155 × 70 × 22mm

HBQ-2030JB/ X4030JB/8030J CRIMPING MACHINE

Introduction

- **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

Specifications

Type	HBQ-2030JB	HBQ-X4030JB	HBQ-8030J
Stroke	30mm	30mm	30mm
Shut Height	119.7mm	119.7mm	119.7mm
Adjusting Range	10mm	10mm	10mm
Crimp Force	20kN	40kN	80kN
Wire Cross Sections	0-4mm ²	0-8mm ²	0-16mm ²
Stroke Per Minute	160s.p.m (High speed 200s.p.m)	160s.p.m	80s.p.m
Power Supply	AC220V/50Hz	AC220V/50Hz	AC380V/50Hz
Power	750W	1.5kW	3kW
Weight	L325 × W280 × H690mm	L360 × W300 × H890mm	L430 × W360 × H1030mm
Dimensions	75kg	105kg	200kg

★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.

★ Related Products

Related Products for HBQ-2030JB/X4030JB

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

Related Products for HBQ-8030J

Battery Crimping Applicator
Heavy Duty Crimping Applicator

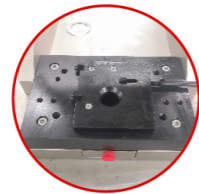
Other Related Products

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

HBQ-2040EB/X4040EB/8040E CRIMPING MACHINE

Introduction

- **Precise:** Crimping height can be adjusted continuously, with tolerance 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.



Specifications

Type	HBQ-2040EB	HBQ-X4040EB	HBQ-8040E
Stroke	40mm	40mm	40mm
Shut Height	135.78mm	135.78mm	135.78mm/192mm+10mm(stamping)
Adjusting Range	6mm	2mm	2mm
Crimp Force	20kN	40kN	80kN
Wire Cross Sections	0~4mm ²	0~8mm ²	0~16mm ²
Stroke Per Minute	160s.p.m (High speed 200s.p.m)	160s.p.m	80s.p.m
Power Supply	AC220V/50Hz	AC220V/50Hz	AC380V/50Hz
Power	750W	1.5kW	3kW
Dimensions	L325 × W280 × H690mm	L360 × W300 × H890mm	L430 × W360 × H1030mm
Weight	75kg	105kg	200kg

★ 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.

★ Related Products

Related Products for HBQ-2040EB

YJM-AFS300B/AFE300B Crimping Applicator
YJM-S300AE300A Crimping Applicator

Related Products for HBQ-8040E

YJM-AFS300B/AFE300B Crimping Applicator
YJM-S300AE300A Crimping Applicator
Battery Crimping Applicator
Heavy Duty 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-P20/P30 CRIMPING MACHINE



Introduction

HBQ-P20/P30 is a heavy load machine, can crimp wires of 50mm² or even larger sizes. With safety devices, Such as safety protection, both 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.

Features

- 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;
- With both hands button and safety protection device is optional, always protect personal safety;
- 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.



Specifications

Type	HBQ-P20	HBQ-P30	Stroke Per Minute	45s.p.m	25s.p.m
Crimp Force	200kN	300kN	Power Supply	AC380V/50Hz	
Stroke	50mm		Power	7.5kW	
Shut Height	202mm/197.5mm		Dimensions	L900XW1100XH1800mm	
Shut Height Adjusting Scale	15mm		Weight	900kg	

★ 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.

★ Related Products

CLM Battery Terminal Crimping Applicator
HD07 Heavy Duty Crimping Applicator

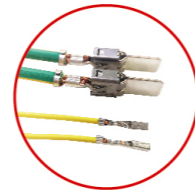
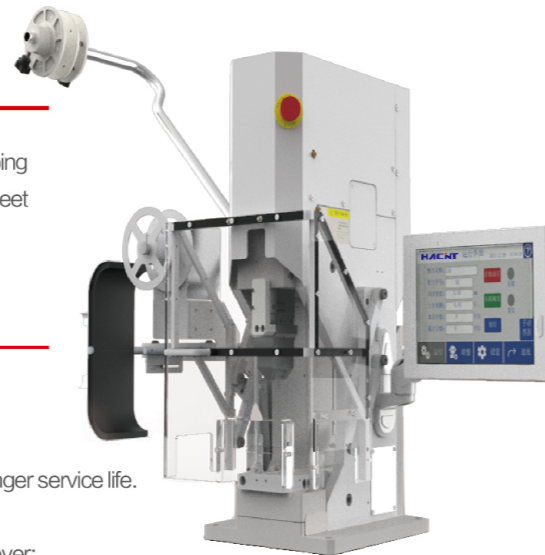
HBQ-160 MULTI-FUNCTION CRIMPING MACHINE

Introduction

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

Features

- **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.



Specifications

Type	HBQ-160J	HBQ-160E	Adjustable Crimp Height	$\pm 2\text{mm}$
Pressure	30mm	40mm	Wire Cross Sections	0-6mm ²
Stroke	119.7mm	135.78mm	Power Supply	AC220V 50Hz
Crimp Force	25kN		Air Supply	0.5-0.7MPa
Adjusting Scale	1.8kW		Dimensions	L1080 × W590 × H870mm
Cycle Time	Minimum 250ms		Weight	138kg

★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.

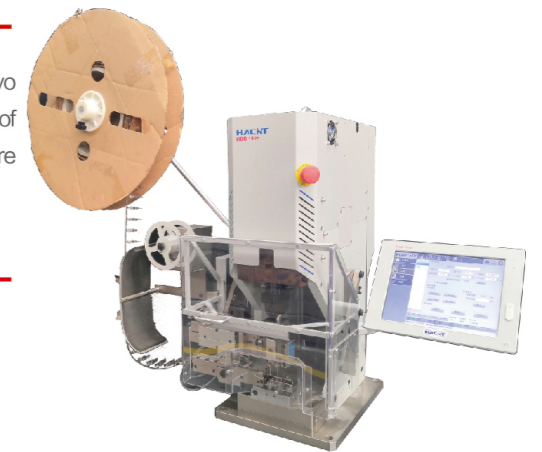
HBQ-160H MULTI-FUNCTION CRIMPING MACHINE

Introduction

HBQ-160H Multifunctional Crimping Machine is a new generation of servo crimping machine developed by Hacint. It can realize automatic adjustment of crimping height and free setting of crimping speed, so as to meet more demands of crimping process.

Features

- **Stability**
Simple transmission structure, stable and reliable operation;
Keyless connection, long service lifetime.
- **High Efficiency**
The crimping height parameter can be accessible at any time to realize quick-change;
The crimping speed can be adjusted to meet different crimping requirements.
10 inch industrial computer screen, beautiful interface, simple to operate.
- **High Quality**
Unique servo motor plate drive to guarantee more accurate control
With fine adjustment $\pm 2\text{mm}$ for Crimping height.
- **Suitability**
Optional networking mode, well match with MES, and can carry out various data interaction;
Optional batching belt cutting module, CFM module.etc.



Specifications

Type	HBQ-160HJ	HBQ-160HE	Power Supply	AC220V 50Hz
Stroke	30	40mm	Air Source	0.5-0.7MPa
Shut Height	119.7mm	135.78mm/200mm	Wire Cross Section	16mm ²
Pressure	80KN		Adjusting Accuracy	0.01mm
Power	1.8kw		Crimp Time	3s
Cycle Time	$\geq 800\text{ms}$ (adjustable)		Dimension	L1100 × W600 × H870mm
Adjusting Scale	$\pm 2\text{mm}$		Weight	230kg

★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 NETWORK CRIMPING MACHINE

Introduction

HBQ-X4030JSI/X4040ESI/8030JSI/8040ESI is a new generation network crimping machine developed by HACINT. It can connect with MES database and get efficient production.

Features

- **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 $\pm 2\text{mm}$, precision $\pm 0.01\text{mm}$;
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 Paper winder, carrier cutting module, pneumatic feeding module, safety cover and other accessories.



Specifications

Type	HBQ-X4030JSI	HBQ-X4040ESI	HBQ-8030JSI	HBQ-8040ESI
Stroke	30mm	40mm	30mm	40mm
Crimp Force	40kN		80kN	
Shut Height	119.7mm	135.78mm	119.7mm	135.78mm
Wire Cross Sections	0-8mm ²		0-16mm ²	
Height Adjusting Range	$\pm 2\text{mm}$		$\pm 2\text{mm}$	
Stroke Per Minute	160s.p.m		80s.p.m	
Power Supply	AC220V /50Hz		AC380V/50Hz	
Power	1.5kW		3.0kW	
Dimensions	L360 × W300 × H890mm		L430 × W450 × H1030mm	
Weight	105kg		205kg	

★ 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-X4030NJSI/X4040NESI/8030NJSI/8040NESI NESI NETWORK SERVO CRIMPING MACHINE

Introduction

HBQ-X4030NJSI/X4040NESI/8030NJSI/8040NESI Network Servo Crimping Machine is a new generation of semi-automatic crimping equipment developed by Hacint, which can be connected with MES database to achieve efficient production.

Features

- Smooth operation, no wear& noise;
- Servo crimping, crimping speed can be adjusted to ensure the crimping quality;
- Servo motor control height adjustment and searching;
- Fine adjustment $\pm 5\text{mm}$; Accuracy $\pm 0.01\text{mm}$;
- 10 inch industrial touch screen, easy to operate and can be connected to MES;
- Small size, which can be directly placed on the work table.



Specifications

Type	HBQ-X4030NJSI	HBQ-X4040NESI	HBQ-8030NJSI	HBQ-8040NESI
Power Supply	220V/50Hz			
Power	1.8kW		2kW	
Stroke	40KN		80KN	
Crimp Force	30mm	40mm	30mm	40mm
Shut Height	119.7mm	135.78mm	119.7mm	135.78mm
Wire Cross Section	0-8mm ²		0-16mm ²	
Terminal Thickness	$\pm 5\text{mm}$			
Adjusting Height	0.3s		0.85S	
Dimensions	L1200 × W500 × H820mm		L1300 × W520 × H880mm	
Weight	140kg		260kg	

★ 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-P12 CRIMPING MACHINE

Introduction

HBQ-P12 crimping machine is a new semi-automatic crimping equipment. It is equipped with touch screen which can automatically adjust the shut height and move the wheel to make the applicator adjustment more convenient.

Features

- **Stable and Durable:** new mechanism design, crimping is stable, crimp force is stable at different shut heights;
- **Strong Versatility:** can adapt to a variety of applicators;
- **Accurate Adjustment:** independent motor adjusts the crimping height and automatically compensates the height;
- **Simple Operation:** touch screen control, setting parameters, point operation, convenient and fast to adjust the processing articles;
- **Multi Functions:** can connect to MES.

Specifications

Type	HBQ-P12
Power Supply	380V/50Hz
Power	1.5Kw
Crimp Force	120KN
Stroke	40mm
Wire Cross Section	16-35mm ²
Dimensions	W800xD888xH1700
Weight	600kg

★ 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.

★ Related products

CLM Battery Terminal Crimping Applicator
HD07 Heavy Duty Crimping Applicator



HBQ-S18 SERVO CRIMPING MACHINE

Introduction

HBQ-S18 servo crimping machine is a semi-automatic equipment specially designed for large-square cable. Compared with traditional crimping machine, HBQ-S18 servo crimping machine has the highlights of automatic adjustable crimping height, shut height and large crimping press. With strong versatility and high crimping accuracy, it can match to a variety of applicators.



Features

- **Stability**
Simple transmission structure; Smooth and reliable operation;
Constant torque control and crimping force always same, can realize the lowest voltage connection position, reduce the terminal rebound.
- **High Efficiency**
Crimping height parameters are available at any time to achieve rapid change;
Adjustable crimping speed to meet different crimping requirements;
10-inch industrial computer screen, articles can be stored, accessible, easy to operate.
- **High Quality**
Servo motor driven, high-precision electric cylinder as the executive mechanism, high repeatable positioning accuracy;
The displacement sensor can feedback the position information in real time, which will alarm if crimp stroke out-of-range.
This way will the crimping height be more stable.
- **Optional Modules**
Options of networking mode and connected with MES are available, can carry out various data interaction;
Can be adapted to CLM, DCM, HCA a variety of heavy duty applicators.

Specifications

Type	HBQ-S18	Speed Power	50mm/s
Stroke	100mm Max	Supply	380V/50Hz
Wire Cross Section	150mm ² Max	MES	available
Power	11kw	Dimensions	L1400 × W1100 × H2200mm
Crimp Force	300KN	Weight	1000kg

★ 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-NP30/NP40 SERVO CRIMPING MACHINE

Introduction

HBQ-NP30/NP40 servo crimping machine is a new generation of semi-automatic equipment of Hacint. With servo motor and PLC control system. Both the highly accurate crimping and the adjustable crimping speed are available, and the data can be stored and traced.

Features

- **Stable and Durable:** new mechanism design, stable and high precision;
- **Versatility:** well match to a variety of applicators;
- **Precise adjustment:** independent motor to adjust crimping height, automatically compensate height;
- **Simple operation:** touch screen control, setting parameters, point operation, convenient and quick access to process articles;
- **Safety protection:** with sound and light alarm function, optional safety protection, to guarantee safety well;
- **Multi-functions:** connect to MES, optional CFM, barcode scanner and other configurations.



Specifications

Type	HBQ-NP30	HBQ-NP40
Power Supply	220V/50Hz	220V/50Hz
Power	2.0KW	2.5KW
Crimp Force	300KN	400KN
Stroke	40mm	40mm
Crimping Speed	15s.p.m (max)	10s.p.m (max)
Wire Cross Sections	95mm ² (max)	120mm ² (max)
Shut Height	202mm	202mm
Shut Height Adjusting Scale	± 8mm	± 8mm
Dimensions	L1000XD900xH2000mm	L1000XD900xH2000mm
Weight	780Kg	780Kg

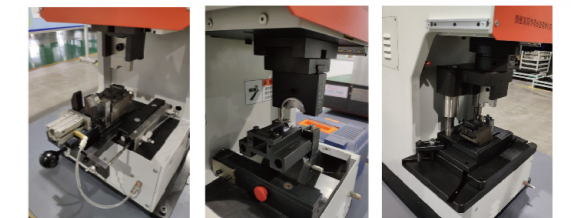
HBQ-H15A OIL HYDRAULIC CRIMPING MACHINE

Introduction

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.

Features

- 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.



Specifications

Type	HBQ-H15A	Wire Cross Sections	120mm ² (max)
Stroke	50mm(max)	Stroke Per Minute	7S.P.M (50mm)
Power Supply	220V/50Hz	Dimensions	L800 × W750 × H1450mm
Power	1.0kW	Weight	320kg
Crimping Force	150kN		

*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 HEXAGONAL CRIMPING MACHINE

Introduction

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.

Features

- **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.



Specifications

Type	HBQ-125A	Crimping Force	250kN
Power Supply	220V/50Hz	Wire Cross Sections	6~120mm ²
Power	2.0kW	Stroke Per Minute	20 S.P.M
Crimping Length	12mm Customizable	Dimensions	L800 × W800 × H1500mm
Crimping Width	3~16mm	Weight	450kg

★ 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-121 CRIMPING MACHINE

Introduction

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 electronics industries.



Features

- **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 data safety.



Specifications

Type	HBQ-121	Wire Cross Sections	Max 2mm ²
Power Supply	220V	Air Supply	5~6Bar
Power	2kw	Dimensions	L1000 × W1000 × H400mm
Stroke	30mm	Weight	130kg

★ 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.

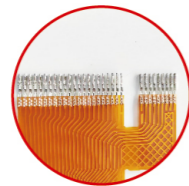
HBQ-K642 FPC CRIMPING MACHINE

Introduction

HBQ-K642 FPC Crimping Machine adopts exquisite mechanism, flexible intelligent control system, wide range to suitable for FPC series terminal row and terminal crimping, multifunction to provide customers with more FPC terminal crimping equipments.

Features

- The machine is simple with industry gray;
- Quick change modules;
- Compatible with FPC terminal row;
- With visual inspection function after crimping;
- Automatically set production parameters, suitable for diversified production;
- Friendly HMI, more intuitive graphic screen to improve the visibility and operability, operation interface can be in Chinese and English.



Specifications

Type	HBQ-K642	Power Supply	AC220V/50Hz
Terminal	5mm	Power	3000W (max)
Terminal Width	0-276mm	Dimensions	L680 × W480 × H700mm
Terminal Pitch	1.1mm	Weight	80Kg

★ Notes :

1. Please be sure to provide the wire samples to do sufficient test;
2. The above specifications is for standard wire, if any different, specific assessment will provide;
3. Terminal strip row too soft or pitch too dense, it may not be able to process or low efficiency;
4. It's standard with one set of tooling, if any more wires, please order separately.

OPTIONAL ACCESSORIES

Introduction

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.



Crimp force monitor

YJFJ-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.



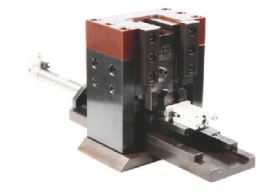
Multi-function Control Module

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.



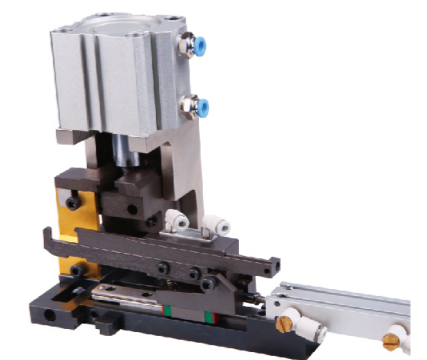
Waste Cutting Module



CLM Battery Terminal Crimping Applicator

BAD CRIMP CUTTER

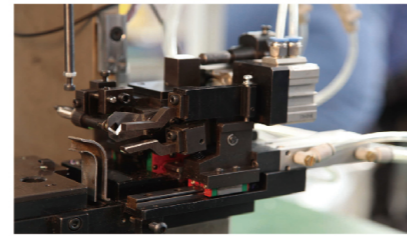
- Connected to cfm directly, to cut off unqualified wires;
- Cut off the unqualified products immediately the cfm alarm, to ensure high quality;
- Can install on the crimping machine of HACINT;
- Can work with the waste cutting module;
- Different modules designed and developed according to special equipment.



BAD CRIMP CUTTER

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.



Stripping module

PAPER WINDER

- Can be matched to any kind of terminal crimping machine, And it winds the paper 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.



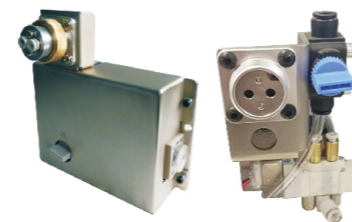
Paper winder



Fast-plug coupler

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.



Pneumatic Feeding Module

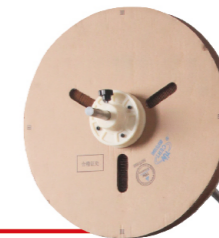
SHUT HEIGHT GAUGE

- 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.



Shut Height Gauge

HBQ-208 STRIPPING & CRIMPING MACHINE



Introduction

HBQ-208 is a highly efficient machine for different wire sizes with a function combination of stripping and crimping.

Features

- **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.

Specifications

Type	HBQ-208	Wire Cross Sections	0.3~2.0mm ²
Power Supply	AC220, 50Hz	Cycle Time	2~3s
Air Supply	5~7Bar	A $\leq 8\text{mm}$	
Power	1.5 KW	B $\geq 40\text{mm}$	
Terminal	Chain terminals	Wire Length	
Crimp Force	20 kN	Dimensions	L650 × W680 × H1550mm
Stroke	40mm	Weight	280kg

★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-210B STRIPPING & CRIMPING MACHINE

Introduction

HBQ-210B 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.



Features

- **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 $\pm 0.1\text{mm}$, stripping depth accuracy $\pm 0.01\text{mm}$;
- **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.

Specifications

Connection	Power Supply 220V 50Hz 1500W Air Pressure 5-7Bar, dry and oil-free
Cycle Time	2.5-3.0s (incl. sealing) 2.4-2.9s (excl. sealing) (for reference only, different wires for different cycle time)
Wire Cross Sections	0.3-2.5mm ²
Seal Size	2mm < OD < 7mm (Others need to be confirmed)
Crimping	Stroke 30mm/40mm Crimp force 20KN
Stripping Length (incl. seal)	A Range: 0-8mm B $\geq 25\text{mm}$ is related to the product
Stripping Length (excl. seal)	A Range: 0-8mm B $\geq 18\text{mm}$ is related to the product
Dimensions & Weight	L*W*H approx. L1100*W1000*H2000mm Weight 440kg



★ 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 STRIPPING & CRIMPING MACHINE

Introduction

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.

Features

- **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.



Specifications

Connection	Power Supply and power 220V 50Hz 1500W Compression Air 5-7Bar Dry and oil free
Wire Cross Sections	Wire type: Double core wire with insulated outlayer (Ethernet cable) Cross sections: 0.13-0.35mm ² Conductor type: Copper or thin wire
Frame Protection Cover	Frame of equipment: welded steel structure Protective cover: metal plate structure with transparent acrylic
Period	Equipment cycle time: 4.0-6.0s
Crimping Module	Stroke: 30mm or 40mm Pressure: 20Kn
Stripping Length (Stripping And Crimping Machine)	A Size range: 0-4mm B Size range: 8-12mm
Dimensions & Weight	Dimensions(mm): about 1000(L)*1100(W)*1700 (H) Weight: 440kg Packing type: wooden pallet

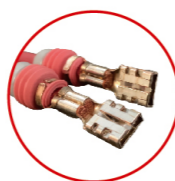


★ Some extremely hard and solid wires may not be able to be processed. although they are within cross sections. we are willing to offer samples for you if any demands.

HBQ-210D STRIPPING & CRIMPING MACHINE

Introduction

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.

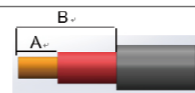


Features

- **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 $\pm 0.1\text{mm}$, stripping depth accuracy $\pm 0.01\text{mm}$, seal loading accuracy $\pm 0.1\text{mm}$, Seal Inspection accuracy $\pm 0.1\text{mm}$;
- **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.

Specifications

Connection	Power Supply and power 380V 50Hz 4500W Compression Air 5-7Bar Dry and oil free
Wire Cross Sections	Wire type Single-core, multi-core Cross-sectional area: 2.5-16mm ² Conductor type: Copper or thin wire
Seal Size	Diameter $\phi D \leq 15\text{mm}$ Length $\leq 18\text{mm}$
Frame Protection Cover	Frame of equipment: welded steel structure Protective cover: metal plate structure with transparent acrylic
Period	Equipment cycle time: 4.5-6.0s
Crimping	Stroke: 30mm or 40mm Crimp force: 80Kn
Stripping Length	A Size range: 0-11mm B minimum depends on terminal and seal length (B > 40mm in general)
Dimensions & Weight	Dimensions(mm): about 1200(L)*1000(W)*2000 (H) Weight: 750kg Packing type: wooden pallet



*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-210E STRIPPING & CRIMPING MACHINE

Introduction

HBQ-210E Stripping & Crimping Machine is applied to process of sheathed wire or twisted wire with offering sealing/stripping/zero cutting/crimping of multi-core wires. These functions can be realized independently. This one-stop machine solves the traditional manual operation and provides real-time monitoring of seals, stripping and crimping force, which greatly improving the production efficiency.

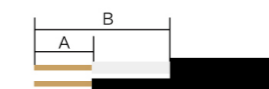


Features

- **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 $\pm 0.1\text{mm}$, stripping depth accuracy $\pm 0.01\text{mm}$, seal loading accuracy $\pm 0.1\text{mm}$, Seal inspection accuracy $\pm 0.1\text{mm}$;
- **Durability:** blades for stripping and 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.

Specifications

Connection Power supply and power: 220V 50HZ 1500W compression air 5-7bar, dry and oil free	Can Handle Cable Wire type: multi-core (single core, double core, three-core) cross section 0.3-2.5mm ² conductor type: Copper or thin wire	Protection Cover Frame of equipment: welded steel structure Protection cover: Sheet metal molding with black translucent acrylic
Cycle Time 3.8-4.2s (include seal loading) 3.4-3.8s (no seal loading) For reference only, it's slightly different for different wires	Stripping Length (seal stripping & crimping machine) A size range: 0-8mm B minimum size depends on terminal (generally B $\geq 50\text{mm}$) Stripping length (stripping & crimping machine) A size range: 0-8mm B minimum size depends on terminal (generally B $\geq 42\text{mm}$)	Dimension L x W x H 1100X1000X2000mm
Seal Size 2mm < OD < 7mm (Larger and smaller diameters need to be confirmed)		Weight 440kg
Crimping Machine stroke 30mm or 40mm crimping force 20KN		Packing wooden pallet



*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 LOOSE TERMINAL CRIMPING MACHINE

Introduction

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.

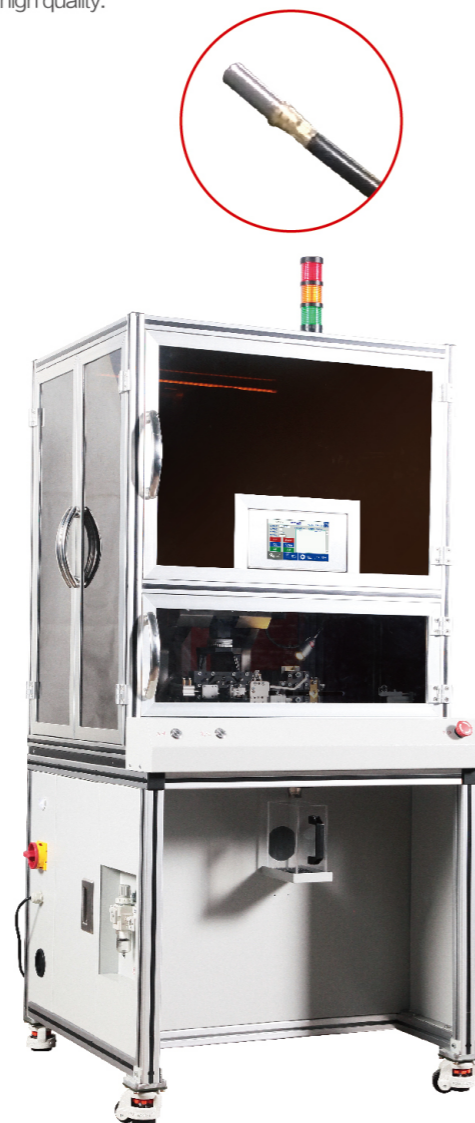
Features

- 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.

Specifications

Crimp Force	40kN
Wire Cross Sections	0.5-4mm ²
Stroke	40mm
Power Supply	AC220V/50Hz
Air Pressure	≥0.5MPa
Stripping Length	0-16mm
Equipment CT	3s
Dimensions	L800 × W800 × H1780mm
Weight	300kg

★ 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 DUAL-WIRE CRIMPING MACHINE

Introduction

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.

Features

- **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.

Specifications

Crimp Force	40kN	Stroke	40mm
Power Supply	AC220V/50Hz	Stripping Length	0.1-6mm
Air Supply	0.5 MPa (min)	Equipment CT	3.5-4.5s
Wire Cross Sections	0.5-4mm ²	Dimensions	L1100 × W1000 × H1700mm

★ 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 ETHERNET SHORT WIRE STRIPPING AND CRIMPING MACHINE

Introduction

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.



Features

- **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.



Specifications

Wire Type	Applicable products Dual core Ethernet (If you need to adapt to other products, please contact us)
Wire Cross Sections	0.13-0.35mm ²
Stripping Length	A:0.1-3.9mm B:8-12mm



★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 FERRULES CRIMPING MACHINE



Introduction

HBQ-011/011S is one of stripping and crimping machine specially designed for ferrule terminals. It is compact, high effective and easy to operate.

Features

- **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.

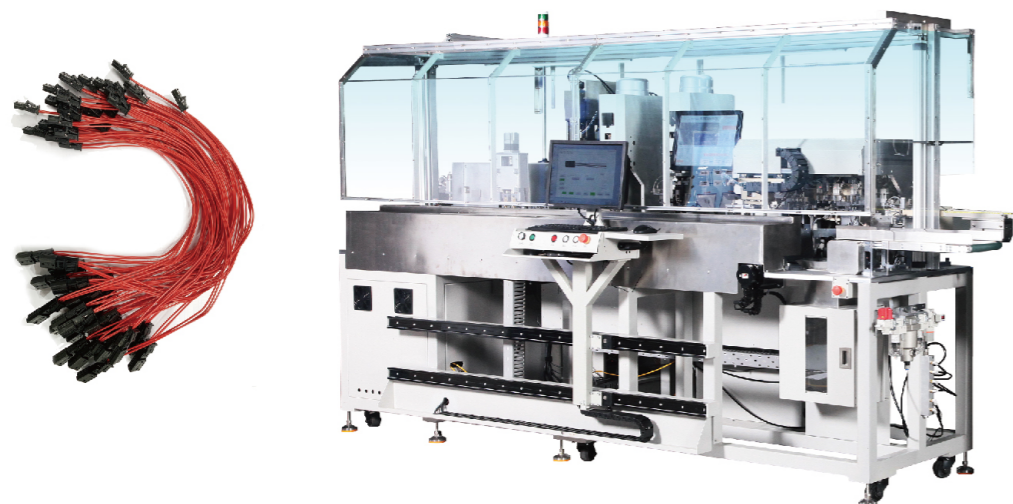


Specifications

Type	HBQ-011	HBQ-011S
Power Supply	AC220V/50Hz	AC220V/50Hz
Air Supply	0.4-0.6MPa	0.5-0.8MPa
Cycle Time	1.2-1.8s	2.2-3.8s
Wire Cross Sections	0.25-2.5mm ²	2.5-4 mm ²
Stripping Length	4-7mm	8-16mm
Stripping Accuracy	± 5%	± 5%
Dimensions	L600 × W246 × H445mm	L680 × W246 × H445mm
Weight	40kg	45kg

★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 HARNESSEQUIPMENT PROCESSING CENTER



Introduction

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 wires, and the relative efficiency is higher.

This machine adopts modular design, provide customized services, and flexibly adjust the station layout according to the actual production conditions of customers, which has good market applicability.

Features

- **Flexible expansion:** using industrial computer control, it is convenient to connect to MES, and expand various functions;
- **High intelligence:** 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.

Specifications

Wire Cross Sections	0.35~2mm ²
Wire Number	≤6
Stripping Length	0.1~18mm
Feeding Speed	3m/s (max)
Cutting Length	
A: Simple insertion both ends 300~3000mm	
B: Composite insertion both ends 700~3000mm	
C: Single end insertion (Need to process the other ends) 280~2000mm	
D: Single end insertion (No need to process the other ends) 80~2000mm	
Seal Type	2(Optional)
Crimping Station	4(Optional)
Feeding Accuracy	± (1+0.2%*L) mm
Power Supply	AC380V/50HZ
Air Supply	5~6Bar

HBQ-902 HARNESSEQUIPMENT PROCESSING CENTER



Introduction

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.

Features

- **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.

★ 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.

Specifications

Wire Cross Sections	0.35~2mm ²
Wire Number	≤36
Stripping Length	0.5~18mm
Feeding Speed	3m/s (max)
Cutting Length	
A: Simple insertion both ends 300~3000mm	
B: Composite insertion both ends 700~3000mm	
C: Single end insertion (Need to process the other ends) 280~2000mm	
D: Single end insertion (No need to process the other ends) 80~2000mm	
Seal Type	2 Optional
Crimping Station	4 Optional
Feeding Accuracy	± (1+0.2%*L) mm
Power Supply	AC380V/50HZ
Air Supply	5~7Bar
Power	10kW
Dimensions	L6600 × W2360 × H2000mm
Weight	4000kg

HBQ-906 FULLY AUTOMATIC CABLE PROCESSING MACHINE



Introduction

HBQ-906 Fully Automatic Cable Processing Machine adopts exquisite mechanism, flexible and intelligent control system, to cut to length and strip, crimp, insert housing both ends. Using vibration plate automatically feeding housings, which is a customized & cost-effective equipment for short and thin wire.

Features

- With symmetrical layout, the machine structure is simple and compact;
- The same housing with different hole positions can be processed with changed wires;
- Cutting and stripping length is convenient to adjust;
- Vibration plate automatically feed housings;
- Multiple groups of process parameters can be stored and got conveniently;
- With CFM and visual inspection to guarantee the high quality.

Specifications

Type	HBQ-906
Wire Material	Low voltage cable
Wire Cross Sections	0.08-0.75mm
Cutting length range	80-1000mm
Power Supply	AC220V/50Hz
Power	7000W (max)
Dimensions	L2700 × W1300 × H2000mm
Weight	1000kg

Notes :

- 1.As the type of wire and production process are different, please be sure to provide the wire samples;
- 2.The above is for the processing range of normal wire, special wires should be evaluated specifically;
- 3.Standard with 8 wire and 12 wire maximum (can meet the number of wires), for other needs, pls issue orders.

HBQ-903 CONTROL CABINET CABLE PROCESSING CENTER



Introduction

HBQ-903 is an automatic processing center developed for the power distribution cabinet industry, which can realize automatic cutting, stripping, tube threading, hot printing, automatic material selection of various kinds of loose terminals, automatic switching crimpers, visual inspection of product appearance, automatic cable binding.

The improvement of automation level can perfectly solve the shortcomings of traditional manual operation, such as complex process, high labor intensity, quality cannot be guaranteed. The equipment adopts the modular designation, can provide customized services, flexibly adjust the station layout according to the actual production situation of customers, and has good market applicability.

Features

- **Import of intelligent work order:** Customers can remotely send through MES system or manually import production scheduling;
- **Automatic switching of different wires:** up to 36 kinds of cables can be automatically switched online;
- Automatic monitoring of the production process;
- **Stable Control System:** The control system is adopted widely to control the production of the whole machine through the upper computer, convenient and user-friendly operation;
- **Automatic production for a variety of chain terminals:** for chain terminal, integrated automatic cutting, clamping, feeding to crimping position, save the time of changing, maximize the production efficiency;
- **Automatic production of various types of loose terminals:** Select loose terminals by high precision servo mechanism, which can realize precise switching of different terminals and multi-function of one machine;
- **Fast switching of multi-crimpers:** servo motor is used to drive the automatic switching of crimpers, matching with different loose terminals;
- **Thermal to print tube technology:** independently developed thermal to print module, printing is clear and friction resistance;
- **Flexible expansion of the working station:** the working station can increase or decrease workstations according to customer needs to achieve flexible production.

Specifications

Type	HBQ-903	Cutting Accuracy	± (1+0.2%*L) mm
Wire Size	0.75-4mm ²	Station	2 presses, 4 sets of pipe loading machines (free combination of pipeloading/crimping, customized available)
Stripping Length	0.5-18mm	Power Supply	380V/50Hz
Cable Marker Length	15-30mm	Air Pressure	>0.5 MPa
Feeding Speed	3m/s(max)	Number of Cables	6 pcs (according to customer Max 36 cables It can be expanded)

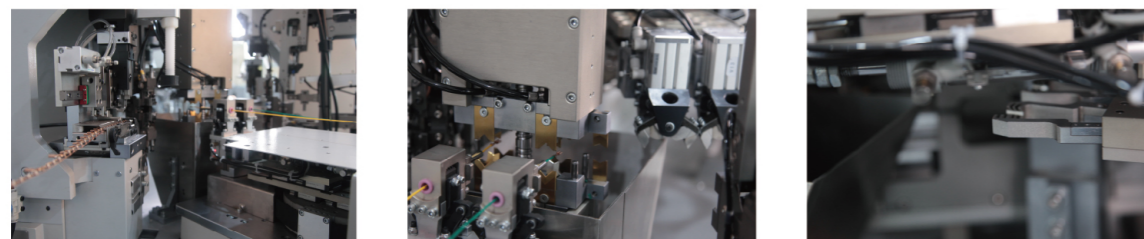
HBQ-922 DUAL-WIRE TWISTING CENTER



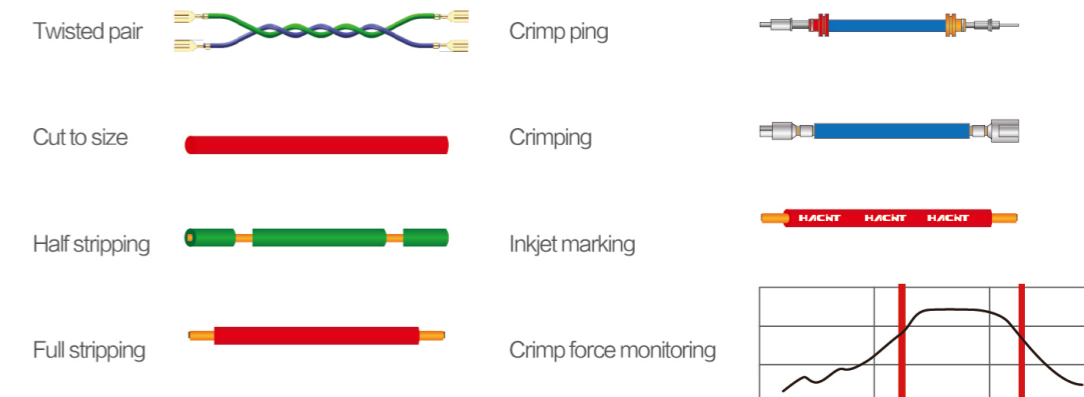
Introduction

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 3.6 s;
- Pitch length accuracy:** within $\pm 10\%$;
- High flexibility:** process of twisted pairs, single wires and dual wire.



Features



Other functions

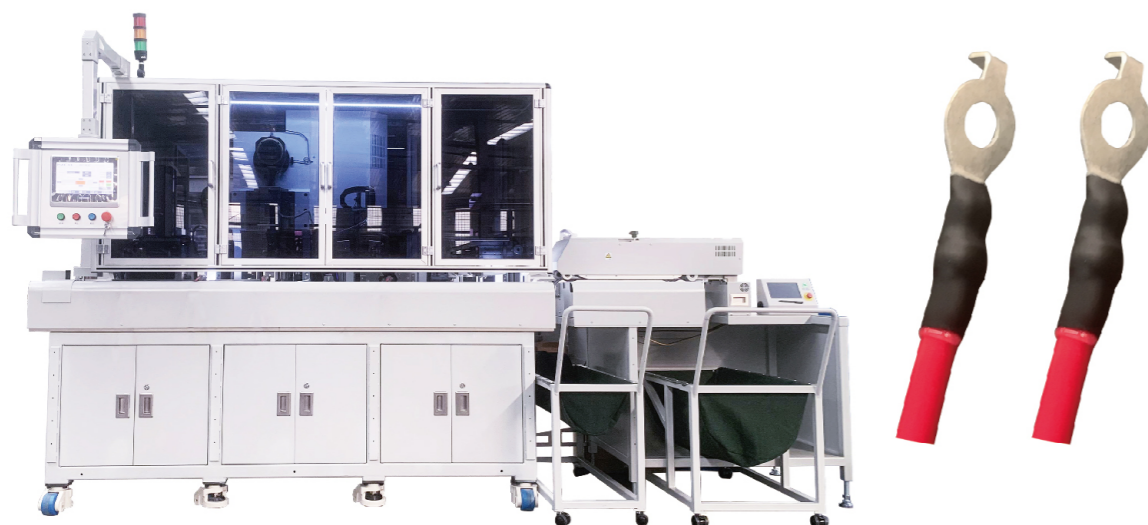
Terminal strip cutting, Paper winder, Automatic collection, Defectives handle(CFM optional), Network, HMES.

Specifications

Type	HBQ-922
Wire Cross Sections	0.3~2.5mm ²
Wire Length	300~4000mm Standard issue
Machining Accuracy	$\pm (0.3\%L+1.5\text{mm})$, "L" refers to the wire length
Stripping Length	0.1~18mm
Open Length Ends	35~90mm
Stagger Length of The Open Ends	0~120mm
Pitch Length	5~80mm accuracy: $\pm 10\%$
Feeding Speed	3m/s
Noise Level	<75dB(Without crimping)
Temperature	-5~+40°C
Air Supply	0.5~0.8MPa
Power Supply	3 × 380V/50Hz
Power	8kW(max)
Dimensions	L9000 × W2200 × H2000mm
Optional Accessories	FSA-001E Seal loading module DPS servo crimping module Frequency conversion crimping machine Shut height measurement module Terminal pull force detection module

★ 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-180 PROCESSING CENTER



Introduction

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.

Features

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.

Specifications

Type	HBQ-180	Cycle Time	15s
Wire Cross Sections	10-50mm ²	Power	9.0kW
Wire Length Range	300-3000mm	Power Supply	AC380V 50Hz
Tube Length	30-60mm	Air Supply	5-7Bar
Stripping Length	0-20mm	Dimensions	L4500 × W1700 × H2400mm
Crimp Force	200kN	Weight	2000kg

★ 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 AUTOMATIC WIRE CUTTING AND WINDING MACHINE

Introduction

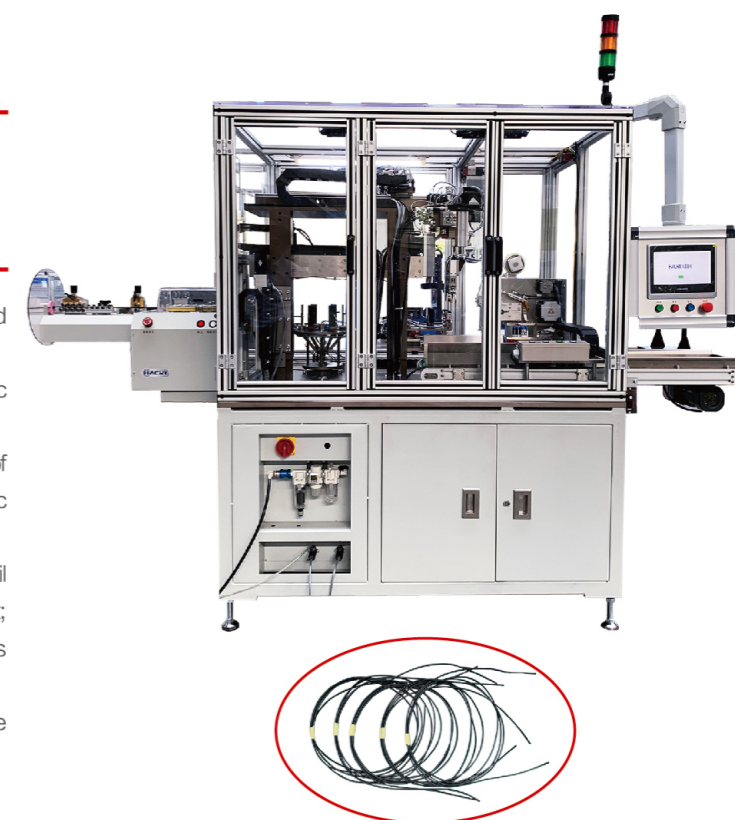
HBQ-910A automatic wire cutting and winding machine is a machine for cutting wire harnesses at a fixed length and winding them automatically; it is easy to operate and has a high degree of automation and can meet the market's requirements for the process and efficiency of wire harness reprocessing.

Function

Cut-to-length, harness winding, coil bundling.

Features

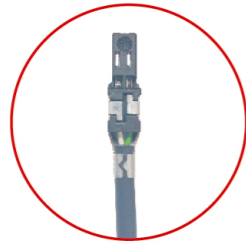
- The body is clean off-white, with a simple and generous overall structure;
- The adoption of a fully enclosed profile acrylic shield for safety and beauty;
- It can realize the function of fixing the length of both ends of the wire harness and automatic reducer of the coil;
- Input wire length, automatic 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.



Specifications

Type	HBQ-910A	Noise Level	<75db
Winding Length Range	1.2-6m	Air Supply	0.5-0.7MPa
Length Accuracy	L<500mm:±1mm;	Temperature	-5~40℃
	L>500mm:±(1mm+0.2%*L)	Equipment CT	L<3m, CT=11S; L>3m, CT increased 0.5 s per 1m
Wire Cross Sections	1-4mm ²	Power Supply	380V
Winding Diameter	125-240mm	Dimensions	L2850 × W1100 × H1955mm
Thread Length	250-320mm	Weight	800kg

HBQ-212 ETHERNET AUTOMATIC ASSEMBLY EQUIPMENT



Introduction

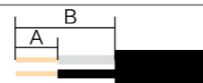
HBQ-212 Ethernet Automatic Assembly Equipment can automatically complete core wire shaping, stripping, terminal crimping, housing insertion, assembly crimping outer shell, visual system detection and wire cutting.

Features

- **High integration:** with multi-functions of core wire shaping, stripping, terminal crimping, inserting housing, assembly crimping outer shell, visual system detection;
- **High quality:** visual inspection of core wire crimping quality, size and appearance, visual inspection of finished product appearance and size;
All of the zero cutting length, stripping length and depth, housing insertion position and assembling position of outer iron shell are controlled by servo;
- **High efficiency:** two sets of circulating gripper work simultaneously to improve production efficiency;
- **Humanization:** the stripping length and depth are controlled and adjusted by software;
- **Cleaning:** with the recycling device to collect wire insulation and terminal scrap, to keep the whole equipment clean.

Specifications

Wire Type	Applicable products Dual core Ethernet (If you need to adapt to other products, please contact us)
Wire Cross Sections	0.13-0.35mm ²
Stripping Length	A:0.1-3.9mm B:8-12mm



★ 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-912 AUTOMATIC ETHERNET PROCESSING MACHINE

Introduction

HBQ-912 Automatic Ethernet Processing Machine can automatically complete core color detection, core wire shaping, core wire stripping, core wire and terminal crimping, outer ring crimping, CCD crimping detection, marking, bad crimp cutting, and other Intelligent work.

Stripping: 4.0mm stripping length can be realized for 8mm core wire.

Crimping: realize crimping of core wire and outer ring at the same time.



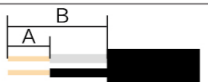
Features

- **High Integration:** wire sequence detection, core wire shaping, core wire stripping, core wire and terminal crimping, outer ring crimping, visual system detection, automatic marking;
- **High Quality:** visual inspection of core wire crimping quality, size and appearance;
- **High Efficiency:** automatic cycle of the Unit Load Device, each station work simultaneously, time saving and high efficiency;
- **Humanized:** Stripping length and depth can be controlled and adjust through software;
- **Cleaning:** There is a recycling device for insulation and terminal waste to keep the whole equipment clean.



Specifications

Wire	Dual Core Ethernet
Wire Cross Sections	0.13-0.35mm ²
Cycle Time	5-6s
Stripping Length	A:(0.1-4.0mm) B:(8-12mm)



★ 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-910B FAKRA CABLE ASSEMBLY EQUIPMENT



Introduction

HBQ-910B FAKRA Cable Assembly Equipment is a integrated equipment for processing TE Fakra products of coaxial cable processing, crimping, housing assembly, product inspection and collection.

The host computer controlled by MES system , single and both end processing, freely & quick change materials, which can meet the demand for FAKRA wire harness processing.

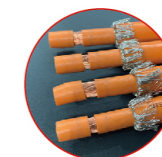
Features

- **High standardization:** equipment & function module is standard, fast disassembly and assembly on line, and debugging off line;
- **High integration:** with multi-functions of labeling, rotary stripping, turn-over braiding, cutting aluminum foil, crimping inner conductor, assembly outer conductor, braiding back, crimping shield ring, assembly plastic housing, assembly shackle, electrical measurement and detection;
- **High quality:** all functional modules test size all-round to guarantee product quality;
- **High efficiency:** the vehicle automatically circulates, stations work at same time, greatly improves efficiency;
- Upper master controlled by MES system, freely and quick change modules and materials;
- Friendly pc interface, it's simple and intuitive to operate;
- With full closed acrylic protective cover, it's safe and beautiful;
- Mainly with gray and white, and the machine is simple.

Specifications

Type	HBQ-910B	Terminal Type	3 types: male to both ends, female to both ends, male and female to each end
Wire Diameter	2.8mm 3.2mm	Station	6 stations
Processing Length	Single end L>70mm; Both end L>300mm	Crimp Force	2T
Stripper Length	0.5-25mm	Stroke	30mm
Stripping Layer	1-3 layers	Power Supply	AC380V/50HZ
Stripping Accuracy	±0.02mm	Air Supply	5-6Bar
Wire Number	Single end : 2 piece Both end: 1 piece	Cycle Time	15S
Product Form	Finished & Semi-finished	Dimensions	L12600mm × W1100mm × H2200mm

HBQ-428B NEW ENERGY WIRE PROCESSING EQUIPMENT



Introduction

HBQ-428B New Energy Wire Processing Equipment integrates the latest design with outer stripping, cutting aluminum foil, cutting shield net, turning over shield net, inner stripping, CCD visual detection, wrapping paper tape and other work stations, to achieve automatic processing, detection, cutting for the new energy industry.

With modular design for control system, the delivery time is greatly shortened, scalability and wide applications can meet the needs of different customers.

Features

- **Automation:** automatically process, detect, cut and sort for each process;
- **Modular:** with mechanical and electrical system modular designed, the delivery time can be short;
- **Humanization:** the operation interface is intuitive and easy to understand and operate;
- **Customization:** Custom solutions provided according to different needs.

Specifications

Wire Type	Coaxial high voltage shield wire
Wire Cross Sections	2.5-16mm ² , 25-95mm ²
Outer Stripping Range	5-60mm
Aluminum Foil Cutting Range	5-60mm
Shield Layer Cutting Range	5-60mm
Shield Layer Turn-over Range	5-20mm
Inner Stripping Range	5-60mm

Note:

1. In view of the variety of wire sizes and types, some wires can not be processed even if they are within the above processing range, please be sure to provide wire samples;

2. Standard with a set of wire diameter tooling, if any other wires, please order separately.

The above processing data is standard, samples should be evaluated according to the specific products.

HBQ-960 AUTOMATIC NEW ENERGY CABLE PROCESSING MACHINE



Introduction

HBQ-960 is the most automatic machine in the wire harness industry, also the leading integration of 56 stations from raw materials to finished products in the whole process of automatic processing and assembly.

The equipment automatically connects to AGV, with fully automatic performance and high precision and stable quality to process wire, crimp, heat shrinkage, insert terminal, assembly, tape wrapping, tie tape, labeling, testing and so on.

Features

- **High Efficiency:** automatically complete each processing, save transit time;
- **Intelligent:** CCD visual inspection, crimp force monitoring, plugging force monitoring and other intelligent monitoring to guarantee processing quality;
- **Interconnection:** convenient to connect to MES, with functions of product traceability, automatically interact with logistics, etc;
- **Safety:** Automatic monitoring during operation, fault alarm & cause feedback, safety door to prevent personnel from entering during operation.

Specifications

Wire Type	High voltage coaxial cable (if any other special cables, please contact us)				
Wire Cross Sections	2.5-16 mm ² , 25-95mm ²	Aluminum foil cutting range	5-60mm	Shield layer Cutting range	5-60mm
Stripping Range	5-60mm	Turn-over	5-20mm		

★ The above special cables processing range should be evaluated according to the specific wire type.

HBQ-041C AUTOMATIC STRIPPING MACHINE

Introduction

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.



Optional wire deposit module



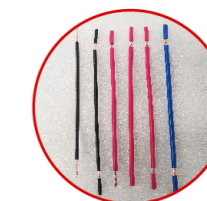
Optional wire straightener



HBQ-041C automatic stripping machine

Features

- 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.



Specifications

Type	HBQ-041C	Power	800W
Wire Cross Sections	0.3-6mm ²	Stripping Length	Front end stripping length 1-47mm Rear end stripping length 1-47mm
Control Mode	Touch screen and press button		
Cutting Accuracy	±(0.2+0.002*L), "L" refers to the wire length	Wire Outer Diameter	6mm
Power Supply	AC220V/50Hz	Dimensions	L475 × W412 × H300mm
Cutting Length	Short stripping: less than 55mm, the length of the remaining insulation wire skin in the middle is more than 2mm Standard stripping: wire length is more than 55mm, and the length of the remaining insulation wire skin in the middle is more than 51mm		Weight

★ 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 AUTOMATIC STRIPPING MACHINE

Introduction

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, electronic, and mechanical system.

Features



Specifications

Wires	Battery cable, shield cable, multi-cores cable
Function	Cut down, multi-strip, multi-step strip, cutting, unshielded strip (Cross cut function customizable)
Cutting Length	160 ~ 99999.99mm
Cutting Accuracy	± (0.2%L+1)mm
Stripping Length	Left 130mm, right 260mm
Wire Cross Sections	6-120mm ²
Wire Outer Diameter	6-25mm
Power/Air Supply	AC380V/50Hz/5kW/0.5-0.7MPa
Dimensions	L1460 × W700 × H1500mm
Weight	700kg
Mark	Standard: 1 set of wire diameter guide, two pairs of V-blade, for more wire size, please order separately. Optional: guide, arc blade, The open module can only be added with the host machine, and cannot be added later MES, etc.

Important note: due to various types and specifications of wire, the actual processing capacity shall be subject to cable sample testing.

HBQ-423 AUTOMATIC STRIPPING MACHINE

Introduction

HBQ-423 is mainly used for processing new energy, battery and sheathed wire. This machine adopts 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.

Features

- Modular structure, providing more optional;
- 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, arcblade 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.



Specifications

Wires	Battery wire, multi-layer shielded wire, multi-core wire
Function	Cutting off, multi-step stripping, full or partial stripping
Cutting Length	70 ~ 99999.99mm
Cutting Accuracy	± (0.2%L+1)mm
Stripping Length	Left 100mm, right 135mm
Wire Cross Sections	Unshielded: 1-35mm ² , shielded wire: 1-25mm ²
Wire Outer Diameter	2-12.5mm
Feeding Speed	4m/s
Power Supply/Air Supply	AC380V/50Hz/4kW/0.5-0.7MPa
Dimensions	L870 × W574 × H1430mm
Weight	330kg
Mark	Standard: 1 set of wire diameter guide, two pairs of V-blade, for more wire size, please order separately. Optional: lower machine frame, rotary cutting module, straightener, guide, arc blade, MES, etc.

Important note: due to various types and specifications of wire, the actual processing capacity shall be subject to cable sample testing.

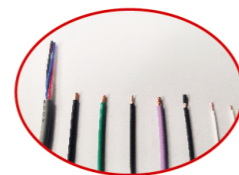
HBQ-429 ELECTRIC STRIPPING MACHINE

Introduction

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.

Features

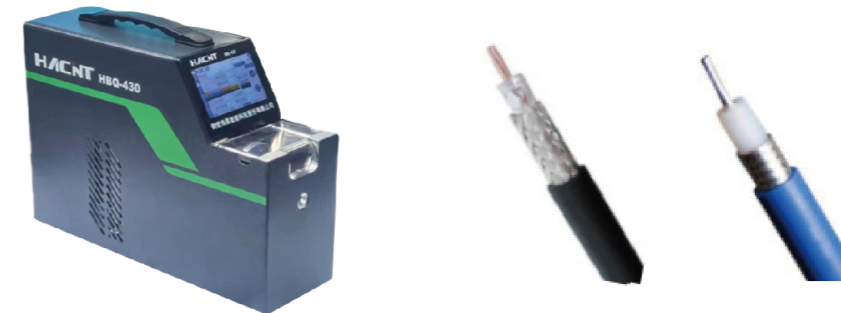
- **Compact design**
The machine is compact, light and can be moved and placed by one person;
- **Diversified production**
The machine can be used for the production of different cable sizes;
- **User-friendly operation**
Open production parameter setting window, multiple recipe setting and storage function 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.



Specifications

Wire Cross Sections	0.05-6mm ²	Program Capacity	500 pieces
Maximum Outside Diameter	6.0mm	Interface Type	USB, wifi (optional)
Diameter	0.01mm	Noise	<70 dB (A)
Length	0.1mm	Power Supply	AC 220V/50Hz 350W
Start Switch	Automatic trigger sensor	Dimensions	L400 × W150 × H250mm
Stripping Length	3-40mm (Standard) , 0.5-40mm (Cutting)	Weight	12.5kg
Stripping Blade Type	V or R type		

HBQ-430 SEMI-AUTOMATIC COAXIAL WIRE STRIPPING MACHINE



Introduction

HBQ-430 is a high-precision semi-automatic coaxial wire stripping equipment, it adopts synchronous belt transmission, ball bearing, screw drive, patented specific positioning device developed by Hacint, no need to re-adjust the blade during changing the tools. With Menu system, it's convenient to operate, and can store 300 kinds of processing data, and set maximum nine layer, small size and the weight, which is more convenient to move.

Features

- **Small size**
Small size and light weight, it's easy to move and place;
- **Compatible**
Adapt to different specifications of the cable diversification of processing and production;
- **Friendly**
Open production parameter setting window, multi-formula setting storage function, convenient for rapid production change call;
- **Safe**
Full protection production mode to ensure operation safety;
Interface multi-level password multi-level authority management design, to ensure that important data is not lost changes;
- **Multiple interface transmission**
Software upgrades or data backups can be performed using USB.

Specifications

Type	HBQ-430	Drive Mode	Motor \ Ball screw drive
Display	Touch screen	Stripping Mode	3 pieces of rotary blades
Wire	Coaxial Wire	Stripping Layer	9 layers
Display Interface	LCD 95mm*50mm	Blade Material	Tungsten steel
Power Supply	AC220V/110V 50/60HZ	Environment Temperature	-5-45°C
Power	400W	Noise	65dB
Stripping Length	1-40mm	Storage	300 kinds of wire processing datas
Stripping Accuracy	0.1mm		
Wire Cross Sections	∅0.5-8mm	Dimensions	L370 × W120 × H265mm
Depth Accuracy	0.01mm	Weight	11kg

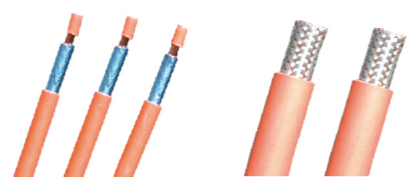
HBQ-422A ROTARY STRIPPING MACHINE

Introduction

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.

Features

- **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.



Specifications

Type	HBQ-422A	Cutting Accuracy	0.01mm
Wire Diameter (coaxial)	3-18mm(coaxial cable)	Stripping Accuracy	0.01mm
Wire Cross Sections	Unshielded: 2.5-70mm ² , Shielded wire: 1-50mm ²	Power Supply	AC220V/50Hz
		Power	400W
Stripping Length	Max 100mm	Dimensions	L816 × W270 × H418mm
Stripping Steps	9 level (max)	Weight	36kg

★ 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 ROTARY STRIPPING MACHINE

Introduction

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.

Features

- **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.



Specifications

Type	HBQ-426	Power Supply	AC 220V/50Hz
Wire Outer Diameter	5-30mm (diameter)	Article Storage Capacity	100 types cable processing data
Wire Cross Sections	4-120mm ² (Shielded wire)	Trigger Mode	Pedal
Stripping Length(max.)	200mm	Power	1200W
Stripping Steps(max.)	9 level	Dimensions	L1190 × W400 × H1335mm
Cutting Accuracy	0.01mm	Weight	220kg
Stripping Accuracy	0.01mm		

HBQ-425A SHIELDING BRAID CUTTING MACHINE

Introduction

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.

Features

- 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.



Specifications

Type	HBQ-425A	Power Supply	AC 220V/50Hz
Wires	Coaxial high voltage shielded cable	Power	1500w
Wire Cross Sections	2.5-95mm ²	Dimensions	L1180 × W500 × H1240mm
Cutting range	5-90mm	Weight	337kg

Note:

1.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.

2.Standard with one set tooling for a wire cross section, if any other wires, please order separately.

HBQ-225 NEW ENERGY CABLE PROCESSING MACHINE

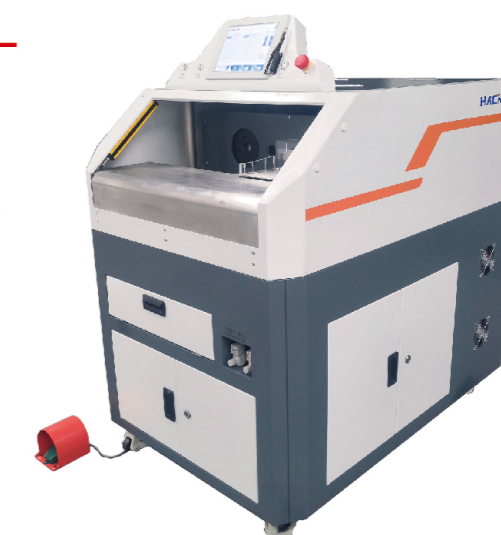
Introduction

HBQ-225 new energy cable processing machine adopts sophisticated mechanism and flexible & intelligent control system, to realize the multifunction and provides customers with more value, such as to strip the inner and outer insulation, and cut to shielding length.



Features

- The machine is based on visual effect of industrial black and white, the overall structure is simple and generous;
- Quick change convenient for replacement equipment accessories;
- Wide range of cutting length and wire cross sections, easy to adjust cutting parameters;
- Independent setting of production parameters is suitable for diversified production;
- Friendly HMI, more intuitive graphic screen improves visibility and operability, Chinese and English version available for the operation interface ;
- Store up to 100 groups of processing parameters.



Specifications

Applicable Wire	Coaxial high voltage shielded cable
Function	Cutting the mesh - Stripping the core wire skin
Wire Cross Sections	2.5-95mm ²
Cutting Range	5-90mm
Stripping Range	5-100mm
Power Supply	AC220V/50Hz
Power	3000W (max)
Dimensions	L1400 × W930 × H1400mm
Weight	600kg

Note:

1.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.

2.Standard with one set tooling for a wire cross section, if any other wires, please order separately.

HBQ-221A NEW ENERGY CABLE PROCESSING MACHINE

Introduction

HBQ-221A 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.

Features

- 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.



Specifications

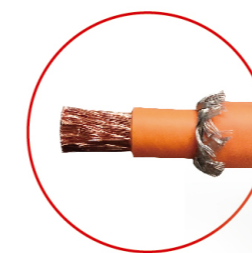
Wire Type	Coaxial cable (if any custom requires, please contact us)
Function	Cutting the mesh—turning the mesh—stripping the core wire skin
Wire Cross Sections	2.5-16mm ² , 25-95mm ²
Power Supply	AC220V/50Hz
Power	5kW
Cutting Range	5-60mm
Turn-over	5-20mm
Stripping Range	5-60mm
Temperature	0-40℃
Dimensions	L1600 × W1430 × H1900mm
Weight	890kg

★ 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.

Note:

- 1.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.
- 2.Standard with one set tooling for a wire cross section, if any other wires, please order separately.

HBQ-223A NEW ENERGY CABLE PROCESSING MACHINE



Introduction

HBQ-223A New Energy Cable Processing Machine has the functions of automatic stripping of inner&outer insulation, aluminum foil, shielding net cutting and shield net turning over, which meets the very needs of customers for automatic processing of new energy wire harness industry. The operation is controlled by industrial computer, and the friendly operation interface is easy to learn and operate, it' s economic and practicable.

Features

- Feeding system adopts intelligent induction to position, more safe and accurate;
- It's high efficient with each station automatically operates;
- Different products can be compatible by quick changing the toolings;
- Max 100 sets of process parameters can be stored.

Specifications

Wire	Coaxial high voltage shield wire	Shielding Net Cutting Range	5-60mm
Function	Stripping the insulation wire skin—cutting the aluminum foil—cutting the mesh—turning the mesh—stripping the core wire skin	Turn Over Range	5-20mm
Cross Section	2.5-16mm ² , 25-95mm ²	Power Supply	AC220V/50Hz
Outer Stripping Range	5-60mm	Power	5000W (max)
Aluminum Foil Cutting Range	5-60mm	Dimensions	L3000 × W1430 × H2000mm
		Weight	1500Kg

Note:

- 1.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.
- 2.Standard with one set tooling for a wire cross section, if any other wires, please order separately.

HBQ-428 AUTOMATIC NEW ENERGY CABLE PROCESSING MACHINE

Introduction

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.



Features

- **High Integration:** with multifunction of stripping, cutting aluminum foil, cutting & brushing mesh & 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 .

Specifications

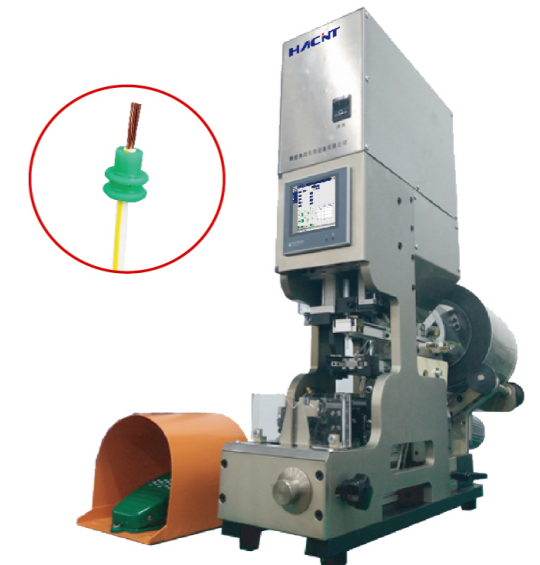
Wire Type	Coaxial cable (if any other special cabel, please contact us)	Aluminum Foil Cutting Range	5-60mm
Wire Cross Sections	2.5-16mm ² , 25-95mm ²	Turn-Over	5-20mm
Cutting Range	5-60mm	Stripping Range	5-60mm

★ The above special cables processing range should be evaluated according to the specific wire type.

FSM-001 SEAL LOADING MACHINE

Introduction

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 working intensity.



Features

- **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.

Specifications

Seal Sizes	9 × 10mm (diameter*length) (Max)	Power Supply	AC220V/50Hz
Inner Diameter (Seal)	0.6-3.0mm	Air Supply	0.5-0.6MPa
Seal Length	15mm (Max)	Power	100W
Outer Diameter(Wire)	1-3.6mm	Dimensions	L640 × W220 × H640mm
Speed	60pcs/min (Max)	Weight	60kg

★ Note: 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.

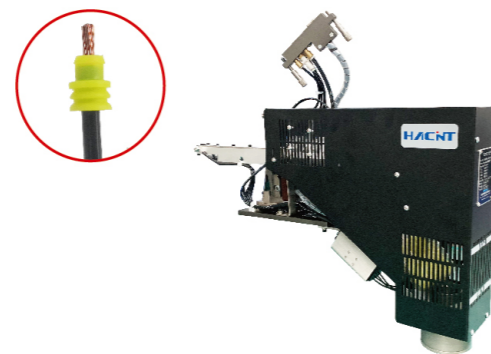
WPP SEAL APPLICATOR

Introduction

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.

Features

- **Quick change mechanism:** Easy change and saving time;
- **Strong resistance to rust:** Bright silver for the rail and spray for the box;
- **High compatibility:** Perfectly fit all the european seal work-tations in the market;
- **Dual-sensors:** Automatic alarm for no seals in the box and Automatic blow for the seal block on the rail.



Specifications

Seals	Regular, mini, Ultra large, Hard cover, long tail, Special shape seals
Voltage	24V
Accessories	3 needles, 2 tubes, 1 jaw
Feed Type	Vibration feed
Sensor	Fiber

FSY-001 SEAL DEOILER

Introduction

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-Z209B PLUGGING INSERTING MACHINE



Introduction

HBQ-Z209B Plugging Inserting Machine adopts integrated platform, double servo drives and industrial PC system, to achieve the accurate and quick insertion, instead of manually inserting housings. which is well suitable for variety articles and large demand.

Features

- Integrated platform with double plugging configuration and one host station only;
- low noise and less air consumption; with roller feeding;
- Imported vibration motor to provide strong and stable vibration;
- Optional sprinkler head, achieve insertion maximum four kinds of plugs without change modules;
- No need to change tools, easier to change products;
- Industrial PC with user-friendly interface, easy to operate;
- Optional visual detection, flexible housing position;
- The secondary screen can display all the visual results clearly.

Specifications

Type	HBQ-Z209B	Power Supply	AC220V/50Hz
Processed Products	Axisymmetric plug	Power	3000W (max)
Speed	inserting speed < 1S one hole	Dimensions	L1200 × W1000 × H1800mm
Accuracy	± 1mm	Weight	700kg

Notes :

1. Technical confirmation is necessary for the specific processed products;
2. The feeding machine can be selected if more than two kinds of processed products,
3. If the product inserted into the housing is higher than its surface, it will reduce efficiency;
4. To keep plug inserting smoothly, silicone oil need to be purchased separately.

HBQ-Z215A AUTOMATIC INSERTION MACHINE

Introduction

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

Features

- **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.

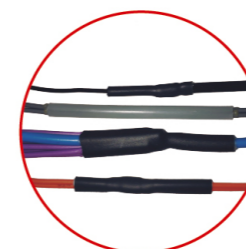
- **Safe**

Fully protective production mode for safe operation;

Multi-level password and rights management design to ensure that important data is not lost.



HBQ-371 HEAT-SHRINK MACHINE



Introduction

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

Features

- **Comfortable**

Exquisite and compact appearance;

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

- **Safe**

Real-time temperature measurement on heating area, with stable control

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.

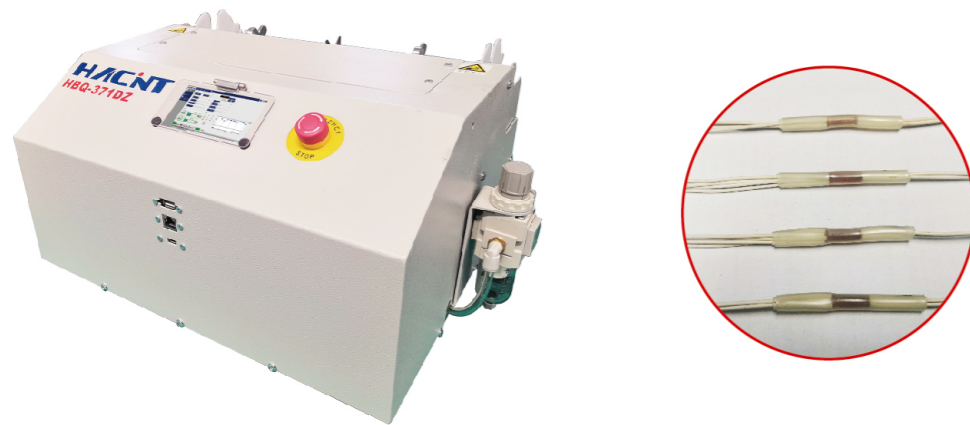
Specifications

Type	HBQ-371	Heating Temperature	700°C (max)
Wire Outer Diameter	13.5mm (max)	Power	2.1kW (max)
Power Supply	AC220V/50/60Hz/10A	Belt Speed	3-50mm/s
Current of Fuse	20A	Dimensions	L1040 × W 220 × H 386mm
Tube Length	90mm(Default)/100mm(Optional)	Weight	50kg
Heating Area Temperature	Real-time measurement		

Specifications

Function	Plug and housing automatically fitting	Power Supply	AC220V/50Hz
Inserting Speed	0.48-0.5s/pcs	Ratio Power	800W (vibrating plate)
Quick Change	Yes	Dimensions	L1200 × W1600 × H2000mm (vibrating plate)
Air Supply	0.5-0.7MPa	Weight	700kg (vibrating plate)

HBQ-371DZ HEAT-SHRINK ALIGNING MODULE



Introduction

HBQ-371DZ is an automatic aligning module for heat shrinkable tubes, which used to ensure that the heat shrinkable tubes and wiring harness joints in correct position before feeding in. It replaces the manual work, makes the position of heat shrinkable tubes more accurate, and improves the heat shrinking quality and efficiency.

Features

- **Intelligent and reliable**
Detect the length of heat shrinkable tube automatically;
Adjust the position of heat shrinkable tube(when the diameters of the two sides of the harness are very different).
- **Efficient and accurate**
Use a program to adjust the spacing of the electrodes;
Use a program to adjust the position of heat shrinkable tube.
- **Safety assurance**
Ensure the positions of welding point and heat shrinkable tube respectively;
Ensure operation safety with user-friendly protections.

Specifications

Type	HBQ-371DZ	Tube Diameter	25mm(max)
Diameter	0-13.5mm	Wire Length	450mm(min)
Power Supply	AC220V	Dimensions	L400 × W445 × H230mm
Tube Length	20-100mm	Weight	20kg

Related Products / Accessories

HBQ-371 Heat-shrink Machine

HBQ-372 HEAT-SHRINK MACHINE



Introduction

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 shrinkable tube, end with sheath, end with terminals and short wires etc. Caterpillar feeding makes the machine continuous to run.

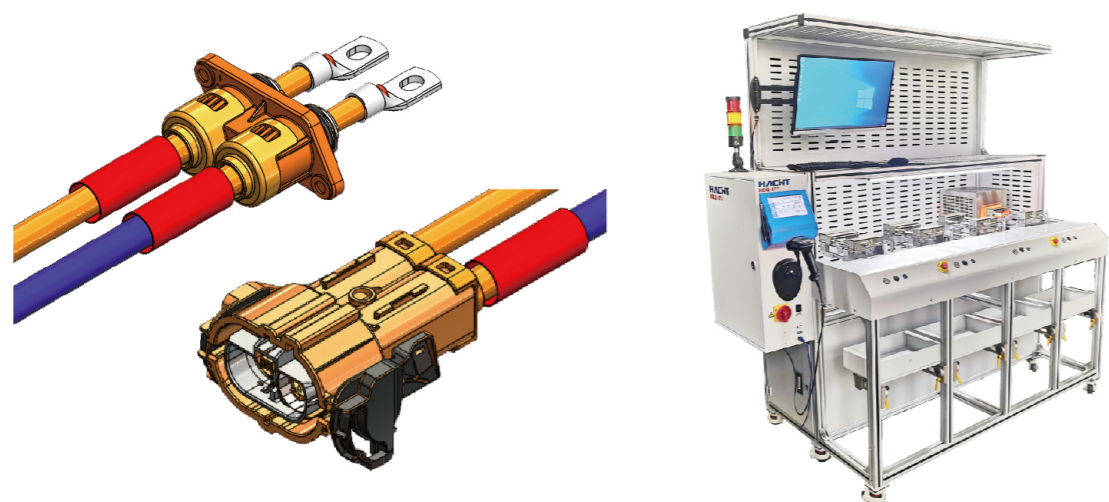
Features

- **Strong compatibility**
Diverse types: End with heat shrink/End with sheath/ End with terminals or 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 under or 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.

Specifications

Type	HBQ-372	Tube length	90(Default)/100mm(Optional)
Wire Outer Diameter	13.5 (max)	Power	2.1kW (max)
Power Supply	AC220V/10A	Belt Speed	3-50mm/s
Current of Fuse	20A	Dimensions	L1071 × W332 × H386mm
Heating Temperature	700°C (max)	Weight	74kg

HBQ-373 HEAT-SHRINK MACHINE



Introduction

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.

Features

- **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.

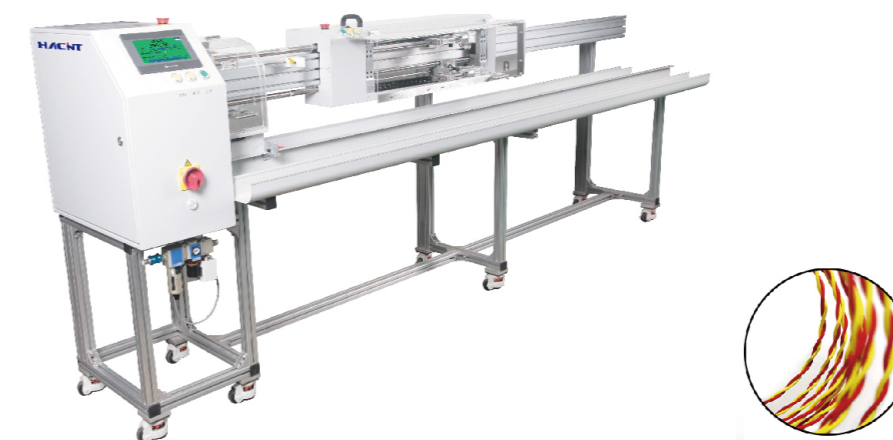
Specifications

Type	HBQ-373	Heating Temperature	450°C(max)
Wire Cross Sections	0-120mm ²	Power	7kW(max)
Power Supply	AC380V 18.5A	Belt Speed	4-50mm/s
Current of Fuse	30A	Dimensions	L1830 × W905 × H1240mm
Tube Length	160mm (max)	Weight	240kg

Related Products / Accessories

Optional accessories: tooling can be customized

HBQ-068 TWISTING MACHINE



Introduction

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

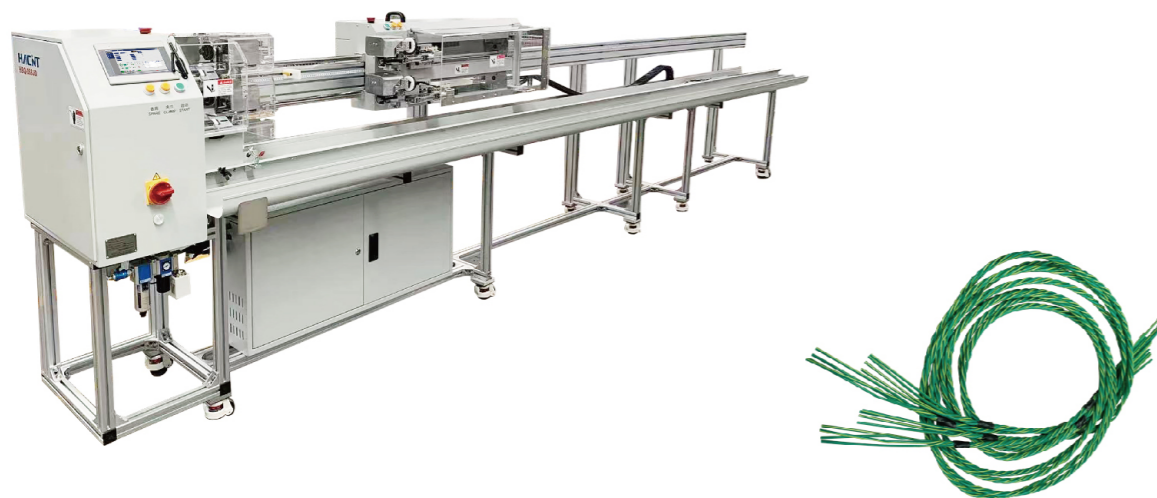
Features

- **High efficiency**
Double workstations can work continuously and alternately, clamping and twisting simultaneously The speed is up to 3000r/min;
- **Safe**
Full protection design of safety cover for front and rear;
- **Extension**
Support MES networking.

Specifications

Wire Cross Sections	0.13-4mm ²	Pitch Accuracy	± 10%
Twisting Length	150-8000mm (Customizable)	Power Supply	AC220V
Twisting Speed	3000r/min (max)	Air Supply	0.5-0.6MPa
Untwisted Length	30-100mm	Power	500W(Alternate mode) 900W(Single action mode)
Twisting Number	2/3pcs	Dimensions	L3300 × W650 × H1400mm (L can Customizable)

HBQ-068JD TWISTING MACHINE



Introduction

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.

Features

- **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;
Even with tape wrapping mode there is no change in the operation and can work with high efficiency 1m wire harness, 550pcs/h, reference value.

Specifications

Type	HBQ-068JD	Wire Cross Sections	0.13~2.5mm ²
Power Supply	AC220V	Twisting Length	350~8000mm (customizable)
Air Supply	0.5~0.6MPa	Twisting Speed	3000r/min (max)
Pitch Accuracy	± 10%	Twisting Number	2/3 pcs
Tape Material	PVC	Tape Specs	Length:9 ,outer diameter:80, inner diameter:38 (customizable)
Weight	200kg	Dimensions	L3300 × W650 × H1400mm

HBQ-360 TWISTING MACHINE



Introduction

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.

Features

- **High-efficiency**
Four stations can work at the same time to improve work efficiency;
Automatically Clamp wires, no manual operation.
- **Intelligent**
Automatically adjust pull force for different groups;
Automatically adjust pull force for different wires.
- **Accurate**
Four groups of wire harnesses are straightened independently, and the clamping error can be eliminated;
During the process of twisting, the torque is constant and the pitch is stable.

Specifications

Wire Cross Sections	0.13~4mm ²	Pitch Accuracy	± 10%
Twisting Length	150~8000mm (Customizable)	Power Supply	AC220V/50Hz
Twisting Speed	3000r/min (max)	Air Supply	0.5~0.6MPa
Untwisted Length	30~100mm	Power	500W
Twisting Number	2/3pcs	Dimensions	L3300 × W715 × H1400mm (L can customizable)

HBQ-360S TWISTING MACHINE



Introduction

HBQ-360S four-head Four-Ends Twisting Machine is mainly used in the field of wire harness processing to automatically twist, straight and clamp four groups of wire harness, and greatly reduce the intensity of manual work and improve the efficiency.

Features

- **High efficiency**
The wire harness can be automatically straightened and clamped at the back end;
Four stations can work at the same time to improve work efficiency;
Automatic sensing clip, no manual operation.
- **Intelligent**
The pull force of different wire groups is automatically adjusted;
Automatically adjust pull force for different wires.
- **Accurate**
Four groups of wire harnesses are straightened independently, and the clamping error can be eliminated;
In the process of twisting, the torque is constant and the pitch is stable.

Specifications

Type	HBQ-360S	Length	150-2300mm (Customized available)
Power Supply	AC220V	Speed	3000r/min (max)
Air Supply	4-6 Bar	Wire Number	2/3 pieces
Pitch Accuracy	±10%	Dimensions	L3300 × W1050 × H1400mm
Wire Size	0.13-4mm ²	Weight	200kg

HBQ-067/067C TAPE BUNDLER

Introduction

HBQ-067/067C Tape Bundler is generally used to bundle, mark, and fixed to the harness.



User interface interface



Finished product



Features

- **High efficiency**
With auxiliary clamping and automatic wire feeding, it's efficient and lower labor load;
After bundling, automatically push wires in place(HBQ-067C Tape Bundler);
The working cycle time can be 1.9s.
- **Intelligent**
All of the tape length, the pre-feeding length, the wire diameter and the number of strapping loops can be set conveniently;
Optional with automatically wire sensed, and can automatically calculate the bundling length for different wires.
- **Net working**
Can connect to MES.

Specifications

Type	HBQ-067/067C	Tape Outer Diameter	170mm (max)
Power Supply	220V	Tape Inner Diameter	38mm/76mm(customizable)
Air Supply	0.5-0.6MPa	Tape Width	20-50mm
Winding Speed	Adjustable	Dimensions	L550 × W650 × H385mm
Bundling Range	2-12mm (Diameter)	Weight	50kg

HBQ-320 / 321 CABLE TIE GUN



Introduction

HBQ-320/321 Cable tie gun is a manual tool to bundle the cable ties tight and cut down the cableties in any directions.

Features

- **Wide tension range:** 30~320N adjustable, 8-gear setting can adapt to different process requirements;
- **Tail length:** the need of 0~5mm tail length can be achieved by replacing different types of gun heads;
- **Gear adjustment:** 8-gear adjustable, minimum to 1/4 gear fine adjustment, with locking function;
- **Comfortable handle:** beautiful curve in line with ergonomics, easy to hold;
- Long life Spring steel 58-RC for high hardness, good toughness and long life;
- **Mountable:** Two hanging mechanism (at the rear of gun body and the bottom of the handle).



HBQ-320



HBQ-321

Specifications

Type	HBQ-320	HBQ-321
Step No.	8 step	8 step
Cable Ties Sizes	1.9~7.2mm	2.8~12.5mm
Turning Angle	360°	
Dimensions	L200 × W40 × H135mm	L194 × H141 × W36mm
Weight	255g	480g

Relate Products / Accessories

Option: gun head/blade replaceable

TLZ-4/TLZ-5 WIRE HARENESS ASSEMBLY LINE

Introduction

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;
- Optional display screen, showing car model, planned and actual output;
- Emergency stop device provided for operation;
- Emergency Stop device provided for operation;
- The working position can be increased or reduced at any time, easy to assembly;
- Small space taking up.



Specifications

Type	TLZ-4/TLZ-5
Power Supply	AC380V/50Hz
Speed Range	0.5 ~ 5m/min
Power	1.5kW
Workbench Length	Customs available upon request

HBQ-Z211 BUCKLE INSTALLATION MACHINE

Introduction

HBQ-Z211 buckle installation machine, is used for assembling the buckle (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.

Function

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.

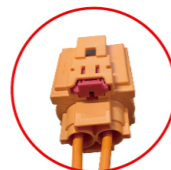
Inspection of the finished assembly: after the assembly is completed, the installation depth of the back plug (buckle) is inspected to ensure the quality of the installation.

Features

- **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 recipe adjustment;
- **Modular design, strong expansion capability:** can be adjusted according to customer needs, adaptable to different sizes of the same type of products.

Specifications

Type	HBQ-Z211
Power Supply	AC220V/50HZ
Power	2.2kW
Air Supply	0.5-0.7MPa
Dimensions	L1200 × W980 × H1800mm
Weight	400kg



HBQ-G401 TORQUE WORKSTATION

Introduction

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.

Features

- **Intelligent Error Proof**
Start up and check to ensure high precision torque value of electric batch; If failed to reach the tightening value, the equipment will alarm and self-lock; Position alarm, encoder controls screw tightening axes, the corresponding axes will implement screw tightening; Quickmark recognition, using barcode scanner quickly identify products, and set torque value.
- **Convenient operation**
Equipped with canvas tray, convenient to store big size wire and multi-wire harness; Visual software management, quickly identify problem causes.
- **Safety**
Independent start button, idle materials controlled by program. Restart after placing the materials to prevent misoperation.



Specifications

Software	PC WIN10, HACINT controlling software	Noise	<60 dB (A)
Electric Screw Driver	CORETEC	Torque Check	available
Torque Range	5-22N · m	Barcode	available
Torque Accuracy	± 1.5%	Axes Display	available
Speed	540rpm/min	Port	USB, RS232
Performance	Intelligent with control software, C-LINK, DEVICENET, ProfibusDP card	Power	500W
		Power Supply	220V/50Hz
		Air Supply	0.5Mpa - 0.7Mpa
		Dimensions	1010x910x1956mm (height of workbench ≈ 840mm)
Screws	M5-M12 Nut/Screw locking	Weight	113kg

★ Vision inspection module is optional.

HBQ-G401B TORQUE WORKSTATION (VISUAL VERSION)

Introduction

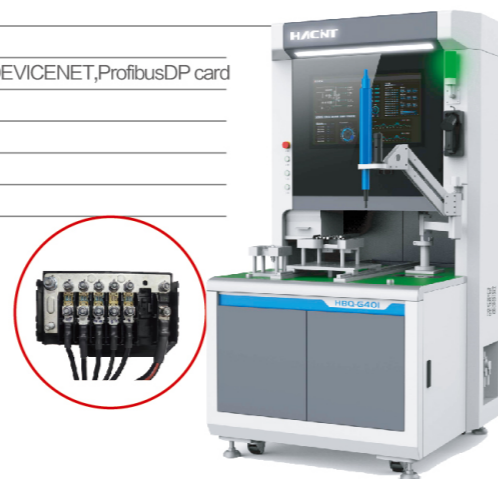
The machine is mainly composed by machine frame, canvas tray, the balance arm, host computer, PLC, displayer, fixture. The fixture can be customized according to customer product appearance. The equipment has proofing function for mistake and idle material. If screw setting not finished or tighten screw 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.

Features

- **Intelligent Error Proof**
Start up and check to ensure high precision torque value of electric batch;
If failed to reach the tightening value, the equipment will alarm and self-lock;
Position alarm, encoder controls screw tightening axes, the corresponding axes will implement screw tightening;
Quick mark recognition, using barcode scanner quickly to identify products, and set torque value.
Visual inspection: Use industrial cameras to take photos, with functions to identify characters/letters, shapes, colors, black & white and others;
Spacer detection: identifying spacer by composite tightening
Repair function: according to the visual inspection, intelligent repair available;
Records: the machine records can be saved and communicated with MES;
Efficient and economic: Combine the screwing tightening and visual inspection process to reduce work stations and improve efficiency.
- **Convenient Operation**
Equipped with canvas tray, convenient to store large size wires and multi-wire cables;
Visual software management, quickly identify problem causes.
- **Safety**
Independent start button, controlled by program. Restart after placing the materials to prevent mis-operation and idle materials.

Specifications

Soft Ware	PC WIN10 (authorised software), HACINT controlling software
(Standard) electric Screw Driver	CORETEC
Torque Range	2-22N · m Select different types of electric driver according to different torques
Torque Accuracy	± 5%
Speed	540rpm/min
Screws	M3-M12 Nut/screw Locking
Features	Intelligent, with control software and C-LINK, DEVICENET, Profibus DP card
Camera	Basler (import)
Camera Lens	Computar
Slide Unit	Taiwan HIWIN
Visual Software	Hacint
Sleeve Error Prevention	optional
Conducting	optional
Torque Inspection	standard
Code Scanning	standard
Axes Display	standard
Interface	USB, RS232
Power	500W
Power Supply	220V/50Hz
Air Supply	0.5Mpa - 0.7Mpa
Noise	<60 db (A)
Dimensions	1010x910x2000 (mm) ,(workbench height = 840)
Weight	113kg



HBQ-G420-00 FUSE BOX CRIMPING MACHINE

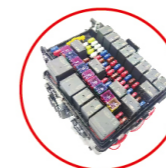
Introduction

HBQ-G420-00 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.

Features

- 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.



Specifications

Power Supply	220V
Motor	Panasonic 400W
Visual CCD	Shooting speed 3s/time
Pressure Monitoring	Real-time
Air Supply	0.5MPa-0.7MPa
Safety Grating	Keyence level 1
Dimensions	L1200 × W1000 × H1800mm Customs available upon request

Automation process



HBQ-Z304 AUTOMATIC LABELING MACHINE

Introduction

HBQ-Z304 Automatic Labeling Machine can realize high-precision labeling of different types of wires (labeling accuracy $\pm 0.2\text{mm}$) by automatically print labels and QR codes, automatically scan codes (if any QR codes) and orderly store them in local folders, and visually guiding label paper correction.



Features

- Equipment integrated with label printer, communication with equipment, can automatic label;
- With the function of scanning code, which can automatically scan the QR code and orderly record the contents of QR code;
- Label paper through visual guidance, automatic correction to ensure the labeling accuracy;
- After manual feeding, it can be adjusted by axial servo to label the required position of wire;
- Applicable to a variety of wires, including the whole coaxial wire, sleeve wire, half stripped wire etc;
- Convenient to access and store a variety of articles.

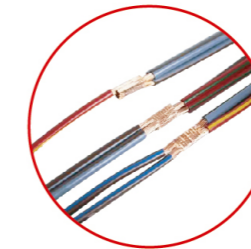
Specifications

Type	HBQ-Z304	Power Supply	AC220V/50Hz
Wire Type	The whole coaxial wire, sleeve wire, half stripped wire	Wire Size	2-6mm (Can be customized according to the actual wire diameter)
Label Type	Coated paper, synthetic paper	Label Paper	Length \leq 80mm Width \leq 40mm
Power	2KW (max)	Dimensions	L1050 × W800 × H1750mm
Air Pressure	0.5-0.7MPa	Weight	500kg

Notes :

1. As the type of wire varies, please be sure to provide the wire sample;
2. Because the type and size of label paper affect the visual edge grabbing image, please be sure to provide label paper.

HBQ-K703 ULTRASONIC WELDING MACHINE



Introduction

HBQ-K703 ultrasonic welding machine adopts imported ultrasonic wave components from Germany, with sophisticated mechanisms and flexible intelligent control system, to achieve ultrasonic welding between the wire harness, which is a widely suitable and stable ultrasonic welding equipment.

Features

- The ultrasonic generator and welding head triple components are imported from Germany Hellmann, the equipment performance is stable and reliable.
- The ultrasonic generator and welding head triple components are imported from Germany Hellmann, the equipment performance is stable and reliable.
- The equipment is simple, and the structure meets the ergonomics, which is comfort to operate.
- The friendly HMI and intuitive graphic screen greatly improves the visibility and operability, and the operation interface can be Chinese/English version.
- Production parameters can be set independently and unlimited stored, can meet diverse production needs.
- The computer monitors the whole welding process in real time. When the parameters exceed the set value, the system will alarm.
- Connect to the barcode scanner and MES system.
- Wire diameter identification to avoid wire harness missing and misplaced.
- Sequential welding available, can be used for assembly production.

Specifications

Type	HBQ-K703	Power Supply	AC220V/50Hz
Wire Material	Copper wire	Power	2400W (max)
Wire Cross Sections	1-20mm ²	Dimensions	L1300 × W810 × H1600mm

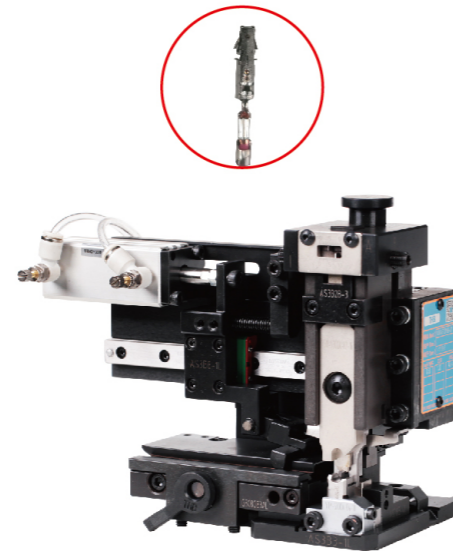
Notes :

1. As wire types are different, please provide samples;
2. The above specifications are standard, if any different, specific assessments will be offered.

YJM-AFS300I/YJM-AFE300I CRIMPING APPLICATOR

Introduction

- **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

Specifications

Type	YJM-AFS300I	YJM-AFE300I
Stroke	40mm	
Feed Type	Side Feed	End Feed
Shut Height	135.78mm(5.346in)	
Wire Cross Sections	0.08~6mm ² (9~28AWG)	
Terminal Thickness	1.2mm(max)	
Feeding System	Pneumatic	
Terminal Pitch	40mm(max)	
Dimensions	L180 × W155 × H110mm	
Weight	5kg	

★ Related Products

- HBQ-2040EB Crimping Machine
- HBQ-X4040EB Crimping Machine
- HBQ-8040E Crimping Machine

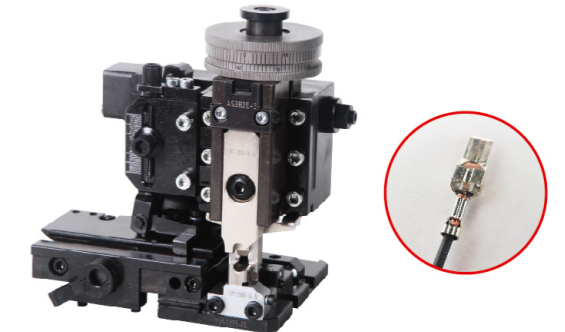


• YJM-AFE300I

S3D CRIMPING APPLICATOR

Introduction

- **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.



Specifications

Type	S3D
Stroke	40mm
Feed System	Side Feed
Shut Height	135.78mm(5.346in)
Wire Cross Sections	0.08~6mm ²
Terminal Thickness	1.2mm(max)
Feed System	Mechanical
Terminal Pitch	30mm(max)
Chregulation/range	0.01 and 0.02
Dimensions	L156 × W156 × H120mm
Weight	5kg

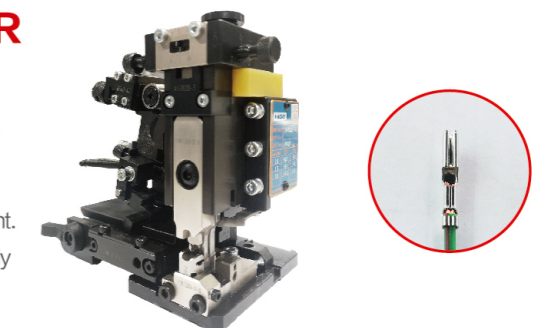
GS3M2 CRIMPING APPLICATOR

Introduction

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.

Features

- **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.



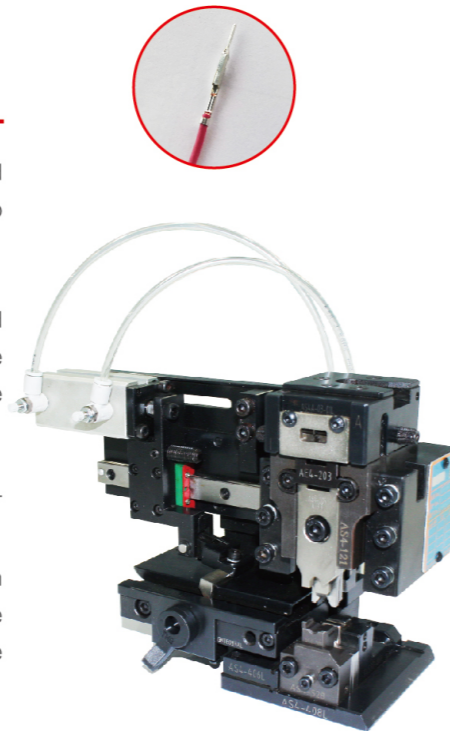
Specifications

Type	GS3M2
Stroke	40mm
Feed Type	Side Feed
Shut Height	135.78mm (5.346in)
Wire Cross Sections	0.08~6.0mm ²
Terminal Thickness	0.8mm (max)
Feeding Structure	Mechanical
Terminal Pitch	28mm
Dimensions	L200 × W150 × H170mm
Weight	5kg

AS4A/AE4A CRIMPING APPLICATOR

Introduction

- **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 repeatedly;
- **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;
- **Reversing value 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.



• AS4A

Specifications

Type	AS4A	AE4A
Stroke	30mm	
Feed Type	Side Feed	End Feed
Shut Height	119.7mm(4.713in)	
Wire Cross Sections	0.08 ~ 6mm ² (9~28AWG)	
Terminal Thickness	1.2mm(max)	
Feeding System	Pneumatic	
Terminal Pitch	40mm(max)	
Dimensions	L225 × W128 × H100mm	
Weight	5kg	

★ **Related Products**

HBQ-2030JB Crimping Machine
HBQ-X4030JB Crimping Machine



• AE4A

XS4/E4 CRIMPING APPLICATOR

Introduction

- **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 equipm ent. 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

Specifications

Type	XS4	E4
Stroke	30mm	
Feed Type	Side Feed	End Feed
Shut Height	119.7mm(4.713in)	
Wire Cross Sections	0.08 ~ 6mm ² (28~9AWG)	
Terminal Thickness	1.2mm(max)	
Feeding System	Mechanical	
Terminal Pitch	32mm(max)	
Dimensions	L225 × W162 × H100mm	
Weight	5kg	

★ **Related Products**

HBQ-2030JB Crimping Machine
HBQ-X4030JB Crimping Machine



• E4

YJM-4XA/YJM-100 APPLICATOR

Introduction

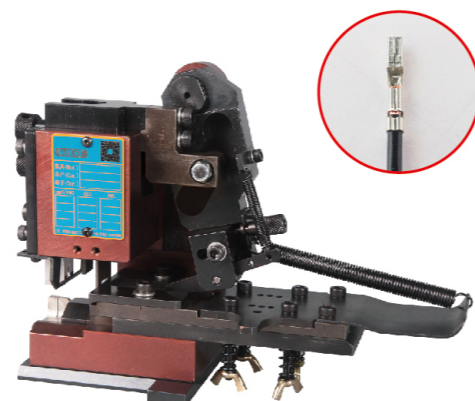
With production experience of 20 years, it turns out to be the most economical, durable applicator.

Function

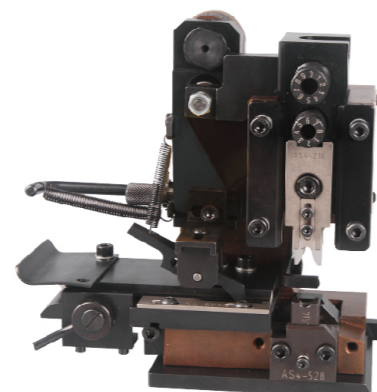
- Can be supplied either with a continuous or a wedge regulating head having a 0.05/0.1mm resolution for C.H./I.H. and a 0.45/0.7mm range;
- Highly precise parts match together to assure high stability;
- Can be fitted to semi-automatic and fully automatic crimping machine for Japanese&Korean brand.

Specifications

Type	YJM-4XA/YJM-100
Stroke	30mm
Shut Height	119.7mm
Wire Cross Sections	0.08 - 6mm ²
Feed Type	Side Feed/End Feed
Terminal Thickness	1.2mm(max)
Feeding System	Mechanical
Terminal Pitch	32mm(max)
Dimensions	L180 × W167 × H92mm
Weight	4kg



● YJM-100



● YJM-4XA

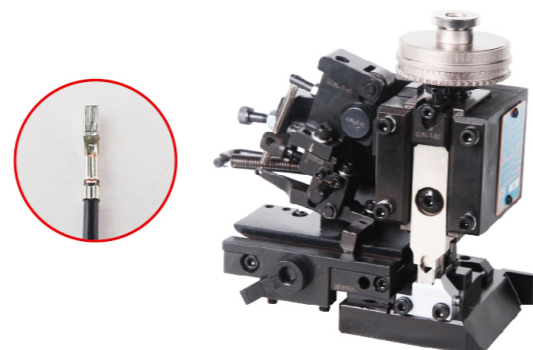
GS3M4 CRIMPING APPLICATOR

Introduction

- 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.

Specifications

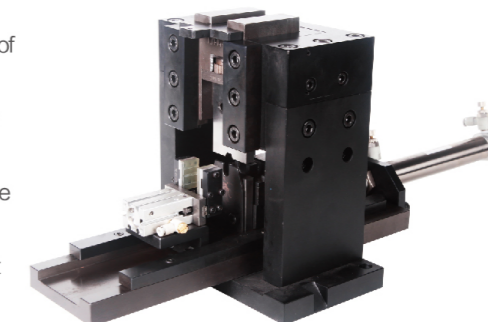
Type	GS3M4
Stroke	30mm
Shut Height	149 ± 3mm
Wire Cross Sections	4mm ² (max)
Feed Type	Side Feed
Terminal Thickness	1.2mm(max)
Feeding System	Mechanic
Terminal Pitch	26mm(max)
Weight	5kg



CLM BATTERY TERMINAL CRIMPING APPLICATOR

Introduction

- The upgrade version of punch crimping applicator, is suitable for single style of battery terminals;
- Modular structure, crimping components can be ordered separately, reduce costs greatly;
- 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.



Specifications

Type	CLM
Stroke	40mm /50mm
Ch/Ih Regulating Precision / Range	0.05mm/5mm
Feed Type	Loose
Shut Height	197.5mm(7.776in)
Wire Cross Sections	75mm ² (max)
Terminal Thickness	2.0mm (max)
Dimensions	L215 × W215 × H580mm
Weight	18kg

★ Related Products

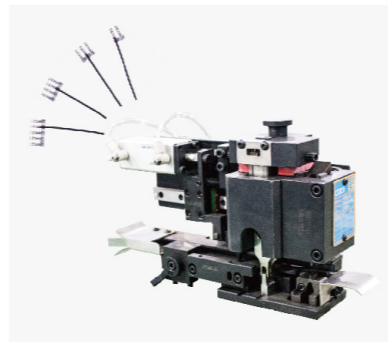
- HBQ-P20 Crimping Machine
- HBQ-S18 Servo Crimping Machine



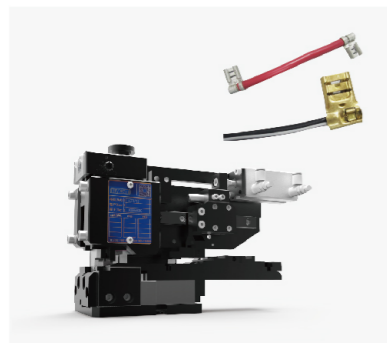
AFS300B-S SENSING APPLICATOR



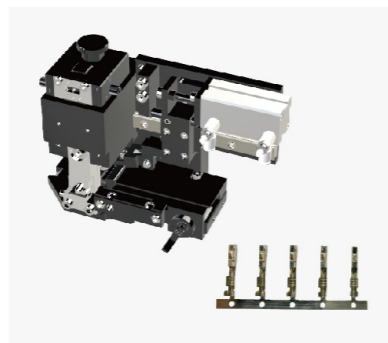
AFS300K CRIMPING APPLICATOR



AFTCA COUNTING CRIMPING APPLICATOR



NEFTCA-X FLAG TERMINAL CRIMPING APPLICATOR



ADS CRIMPING APPLICATOR



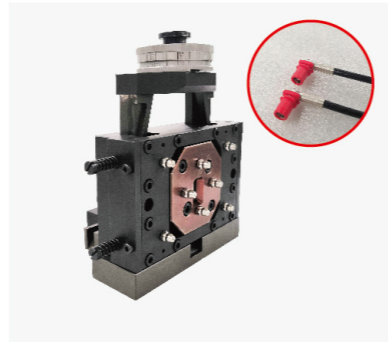
ESTA CRIMPING APPLICATOR



FPCA FOUR POINTS CRIMPING APPLICATOR



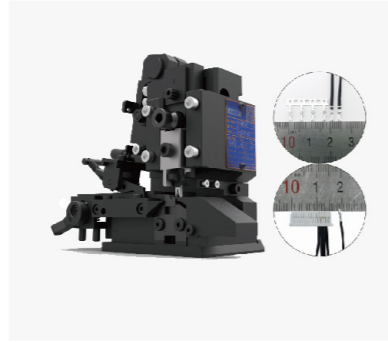
SPCA SIX POINTS CRIMPING APPLICATOR



RFPCA CRIMPING APPLICATOR



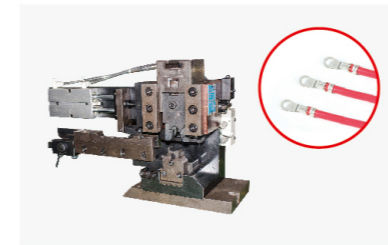
EHCA CRIMPING APPLICATOR



NANO CRIMPING APPLICATOR (S4B)



DYM-C CRIMPING APPLICATOR



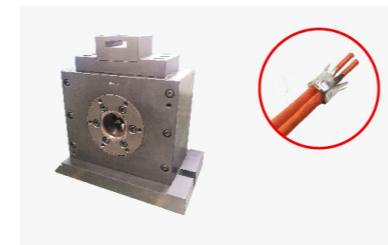
LCMS HEAVY DUTY CRIMPING APPLICATOR



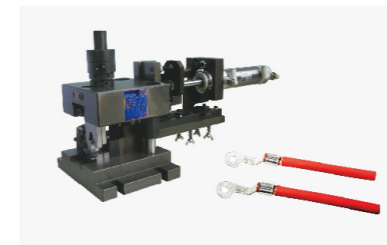
HCA CRIMPING APPLICATOR



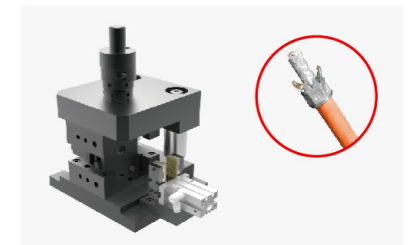
NHCA CRIMPING APPLICATOR



HSPCA CRIMPING APPLICATOR



HD07 HEAVY DUTY CRIMPING APPLICATOR



HSPCA-K SIX POINTS CRIMPING APPLICATOR



WHCA CRIMPING APPLICATOR

WEARING PARTS(BLADES)

Introduction

- 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.

★ Related Products

All kinds of applicators
HBQ-041 Automatic Wire Stripping Machine
Waste Cutting Module



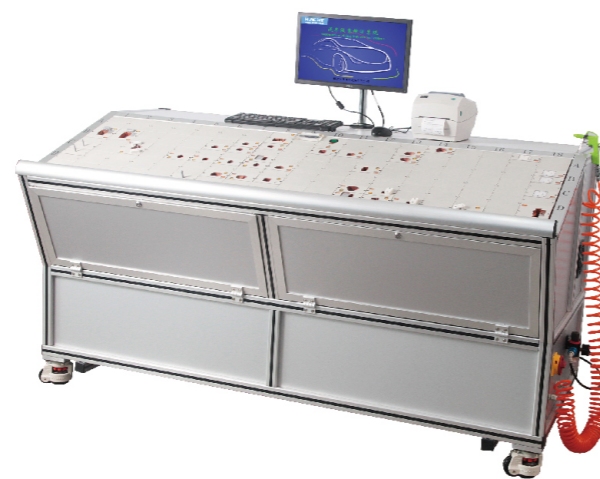
CS TEST TABLE

Introduction

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.

Features

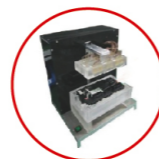
- Testing the circuit connected, disconnected, short or wrong;
- Able to detect the installation direction and malfunction of the diode;
- Test electric relay and gas-tight (positive and negative pressure), locking piece, airbags, fuse, locking button and other accessories;
- Different user rights can be set based on different customers, Chinese-English interface available;
- The Test table designed by HMI engineering principle, easy to operate.



CS Wire Harness Testing System



Testing Module



Fuse Box Testing Tooling

Specifications

Type	CS	Current	1~10mA
Power Supply	AC220V/50Hz	Voltage	0~5V
Air Supply	0.5~0.6MPa	Dimensions	L3600(1200/1800/2400) × W1000 × H1500mm
Speed	> 1024point/second		

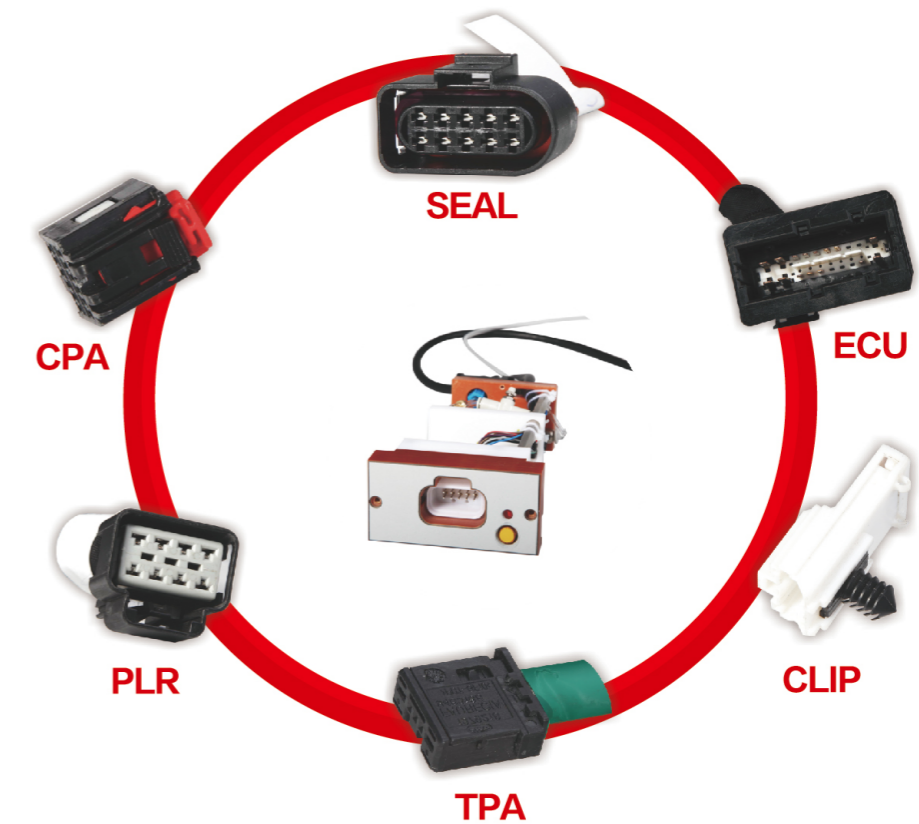
CS TEST TABLE

Features

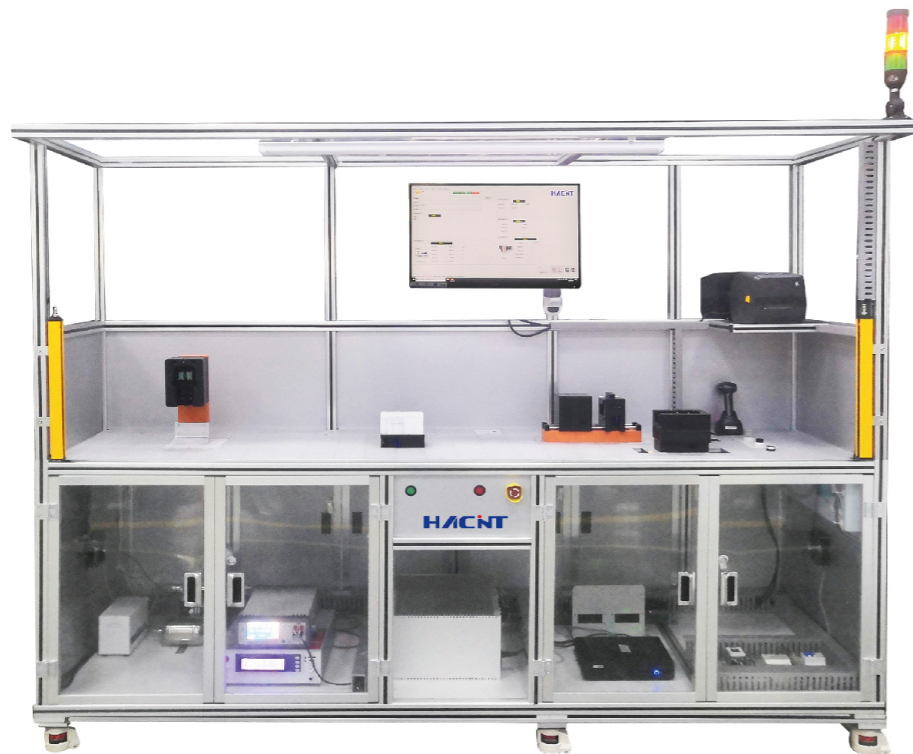
- The function of importing and exporting the circuit table for convenient check;
- Memory and non-memory testing;
- Self-check function;
- The test interface of image, list and one-by-one display;
- Print and scan function for bar code and QR code;
- Stable system, anti-interference, expandable, and high test efficiency;
- One pin can finish the test for one entire connector and all the points.



Accessory Testing Function by Pneumatic Module



HCS6000 TEST TABLE



Introduction

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.

Features

- 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.

Specifications

AC Voltage Withstand Test	0-5.20KV (Precision of 0.01KV)
DC Voltage Withstand Test	0-6.10KV (Precision of 0.01KV)
Insulation Resistance Test	0.01MΩ ~ 99.9GΩ (Under the voltage of 10 to 1020V) (Precision of 0.01V)

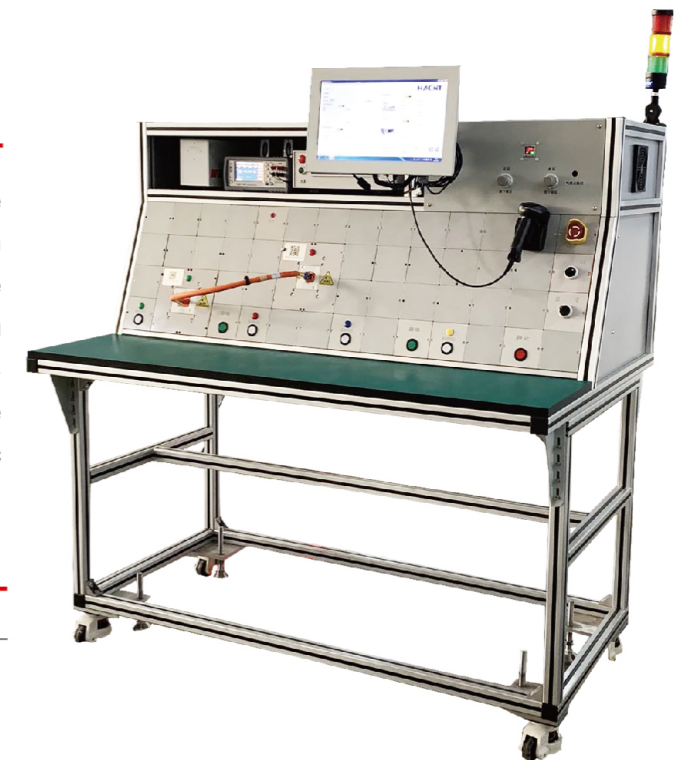
HCS6000A TEST TABLE

Introduction

This equipment is designed for high voltage cable performance testing, especially used in performance testing for new energy wire harness which includes low voltage conducting test, air tight test, AC voltage withstand test, DC voltage withstand test and insulation resistance test Micro resistance test (four wire), electronic lock test, etc.

Features

- This equipment integrates over-voltage protection, over-current protection and leakage protection which greatly protect the safety of operators;
- Low voltage conducting test, air tight test, AC voltage withstand test, DC voltage withstand and insulation resistance test are all carried out in this testing system perfectly;
- Multiple testing requirements are performed on one testing system while testing time could be adjusted accordingly.



Specifications

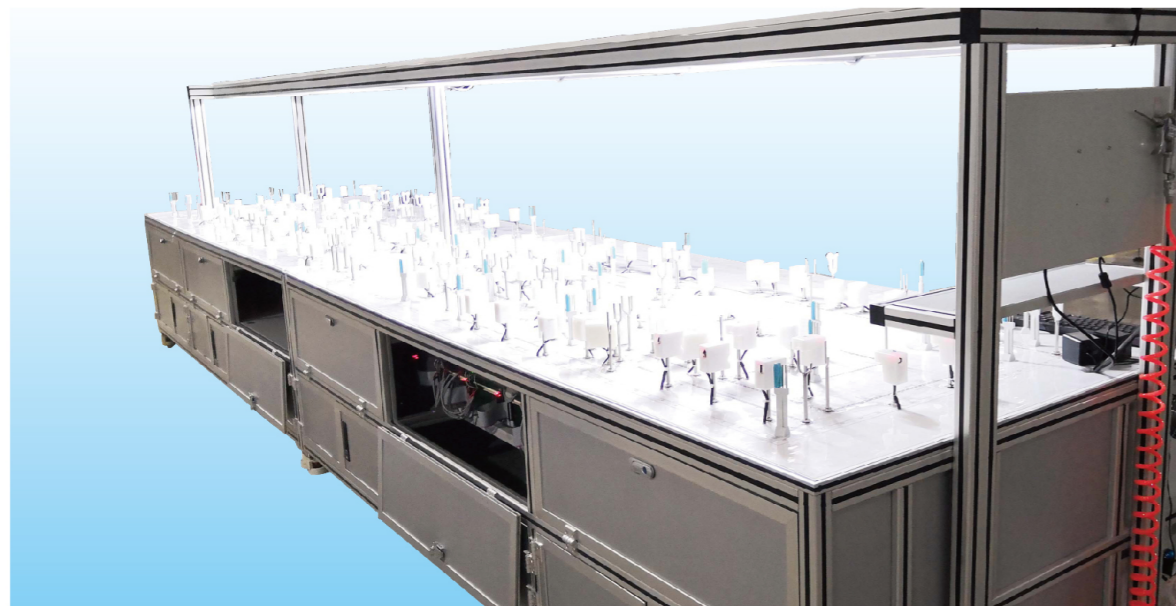
Power Supply	AC220V
Frequency	50Hz
Air Supply	0.4 ~ 0.6Mpa;
Power	800W(max);
Dimensions	(L*W*H) : Customized
Beat	Beat: Depends on parameters of wire harness process
Temp	-10°C ~ 40°C;
Humidity	≤70%RH, dew-free
Height	< 1000 m; meters
AC Voltage Withstand Test	0.05-5 KV
DC Voltage Withstand Test	0-6.0kV
Insulation Resistance Test	0.1MΩ-50GΩ under 0.05kV-1kV

CSA CABLE TIE TEST TABLE

Introduction

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.



Features

- 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.

Specifications

Type	CSA	Data Acquisition Speed	1/1000ms
Air Supply	0.5~0.6MPa	Measuring Range	2048(max)
Power Supply	AC220V/50Hz	Dimensions	Up to the type of wire harness
Power	350W	Weight	Up to the structure

CSB VISUAL TEST TABLE FOR ELECTRIC BOX

Introduction

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.

Features

- **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.



Specifications

Type	CSB	Electric Box Dimensions	298x216cm(max) Custom available
Power Supply	AC220V/50Hz	Cycle Time	3~6s Up to different electric box
Air Supply	0.4~0.6MPa	Dimensions	L1100 × W1040 × H1200mm
Power	60W		

CSB-0023 FAKRA IMAGE VISUAL TESTING EQUIPMENT



Introduction

CSB-0023 Image Visual Testing Equipment is a special equipment used to test the conduction of high-frequency signal wire, withstanding voltage for 200V cable and coaxiality of core wire. It sets a variety of functions in one, which can realize multi-requirements and high-efficiency detection of the cable.

Features

- With industrial gray, the machine is simple and comfortable to operate;
- The quick-change module can well detect a variety types of cables;
- Can do withstanding voltage test for 200V cable;
- Visual inspection core coaxiality, high accuracy;
- Friendly HMI and more intuitive graphics greatly improve visibility and operability.

Specifications

Type	CSB-0023	Power Supply	AC220V/50Hz
Wire Type	High frequency signal wire	Power	600w(max)
Dimensions	L 1164 × W 1244 × H 1634mm		

GZ-0012 AIR-LEAKAGE DETECTION TABLE



Introduction

Air-leakage detection table is a professional machine for the conduction and airtightness detection of plastic housing independently developed by HACINT company.

With PLC and master system, the machine can not only detect the on-off of the interlocking piece in the plastic housing but also control the air-leakage machine to inflate and hold the pressure of the housing, so as to get the purpose of detecting housing leakage.

It is mainly used for the detection of holes, cracks and other defects of housing caused by molding. In the design stage of the harness, it can select seals and core wire to match the housing and verify other materials.

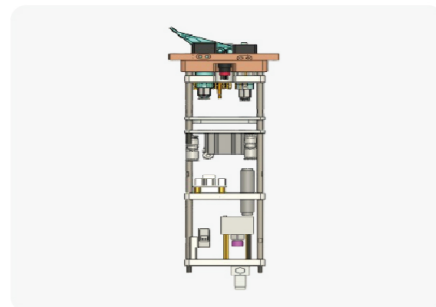
Features

- Simple operation: housing needs to be detected will be automatically locked when inserted, It will do the detection automatically after press down the start button and give the result.
- Good flexibility: can set the inflation pressure value, inflation time, holding pressure time, detection time and others, so it can detect housing for different parameters.
- Interchangeability: the software adopts article way, and the detection parts adopt modular design, so it can replace with different housing for detection.

Specifications

Bench Size	L1800 × W1100 × H1200mm (Accept customizable)
Power Supply	220AC 300W
Air Supply	0.5-0.7MPa
Detection Time	Depending on the detection parameters

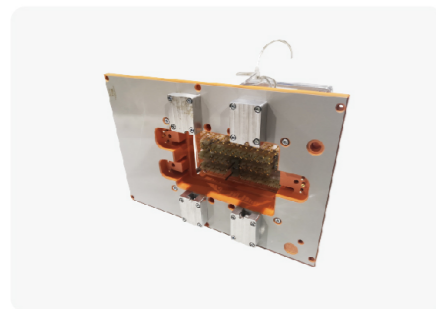
TEST MODULE



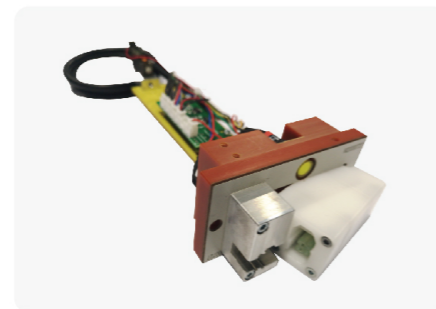
Above 40 pin ECU module



Push back module



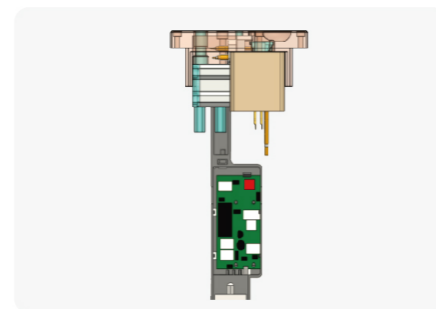
Fuse box module



Horizontal structure module



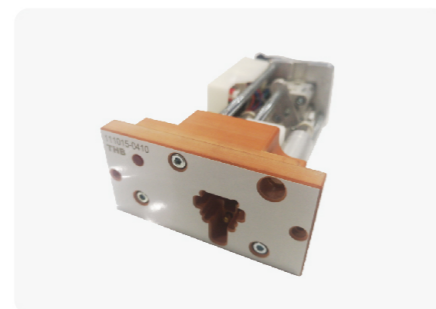
Convex locking plate module



Concave locking plate module



Airtight module



DedicatedUSB module

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

Introduction

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.

Features

- 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-052A Semi-auto cross section analysis center



HBQ-053 Automatic cross section analysis center



Specifications

Type	HBQ-052A	HBQ-053
Cross Section	0.5-25mm ²	0.35-120mm ²
Wheel Thickness	0.5/1mm	0.6mm
Rotating Speed	2700rpm(max)	2700rpm(max)
Corrosion	Acid corrosion	Electrolytic corrosion
Processing Time	3-5min	3-5min
Camera	300M, USB 2.0	300M, USB 2.0
Hd Microscope	14-45x	10-45x
Cross Section Analysis Software	HACINT Cross section system (HCSS)	X-scan (Germany) /HCSS (Optional)
Power Supply	AC220V/50Hz	AC220V/50Hz
Dimensions	L1840 × W640 × H740mm	L2445 × W640 × H1290mm

HBQ-061C/064/065/065-E/411 PULL FORCE TESTER

Introduction

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.



Function

- **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.

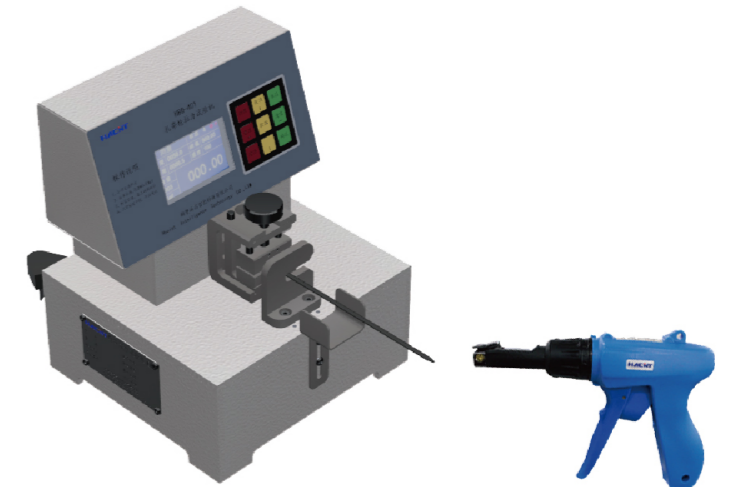
Specifications

Type	HBQ-061C	HBQ-064	HBQ-065/065E	HBQ-411
Power Supply	AC220/AC110 (Optional)			
Power	40W(max)	30W(max)	40W(max)	750W(max)
Data Acquisition Speed	1KHz			
Measuring Range	5-500N /0.5-50kg	5-1000N /0.5-100kg	5-2000N /0.5-200kg	40N-10kN /4-100kg
Applied Force Accuracy	± 1%	± 1%	± 2%	± 0.5%
Dimensions	L350 × W210 × H255mm	L310 × W183 × H88mm	L380 × W253 × H226mm	L760 × W450 × H1750mm
Weight	15kg	9kg	18kg	180kg

HBQ-401 CABLE TIE GUN TENSION TESTER

Introduction

HBQ-401 cable tie gun tension tester is a special measuring equipments used for detecting the force when the cable tie gun cuts the tie.



Features

- The machine prefers industrial gray as basic color to make the whole machine structure simple but generous;
- **Data display:** Display the real-time and peak force simultaneously;
- **Data processing:** Recording the data when testing. Data could be conveyed and removed which make the data easy to be processed;
- **Unit switch:** Quick switch between Kg and N and any of them can be set as the on state;
- **Force limits:** Set the limits of the testing force. Alert when the tension force exceeds the limits;
- **System setting:** Setting page is available for setting the parameters, such as the tension force limits, calibration and the condition of pulling out;
- **Friendly PC interface** with vivid and direct graph pictures enhance the visibility and operation.

Specifications

Type	HBQ-401
Max Testing Force	500N
Accuracy Class	2 Level
Measuring Range	0.5% ~ 100%FS (Full Scale)
Tolerance	Within ± 1% of the indicated value
Power Supply	AC220V/50Hz
Data Acquisition Speed	1KHz
Power	40W (max)
Dimensions	L210 × W200 × H255mm
Weight	10kg

HBQ-K612 168W BOARD END CONNECTOR MACHINE



Introduction

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).

Features

- 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 $\pm 0.04\text{mm}$.

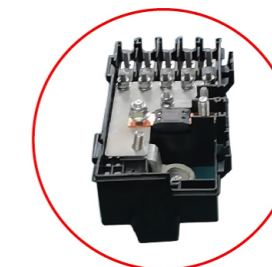
Specifications

Power Supply	220V AC	Temperature	< 40°C
Power	15KW	3d Inspection Accuracy	$\pm 0.04\text{mm}$
Equipment CT (168pin)	40S	Pin Insertion Speed	180rpm
	(Two holes in one applicator)	Pin Insertion Accuracy	$\pm 0.02\text{mm}$
Noise Level	$\leq 75\text{dB}$	Dimensions	L6300 × W3000 × H2100mm
Air Supply	0.5–0.6MPa	Weight	7000kg

HBQ-K610 BLIND PLUG FUSE BOX FLEXIBLE ASSEMBLY

Introduction

The HBQ-K610 blind plug fuse box flexible wire completes the assembly of all subparts of this type fuse box, including battery connectors, all kinds of connection plates, and safety plates. It can also automatically install the flat washer, automatically load and tighten the nut, upload the corresponding torque curve in real time, and complete the online cleaning, conducting and image detection of the product after all processing is finished. The equipment has high flexibility, can adapt to the assembly production of various blind plug fuse boxes by the way of quick-change vehicle. At the same time, all kinds of processing data on the assembly line can be uploaded and traced, which has a high intelligence, can ensure the stability and consistency of the assembled products, save a lot of manpower for customers, and create more and greater economic value for customers.



Features

- **Flexibility:** According to the process requirements, flexible assembly and discharge combination;
- **Intelligence:** Input material number, one key to handle all kinds of processing;
- **Quality:** Processing data can be stored, uploaded and traced to ensure stable quality;
- **Safety:** Each processing procedure has the overall safety cover, and equipped with safety locks and other protective facilities.

Specifications

Single Type Fuse Box Large Parts Feeding Assembly Type	2
Single Type Fuse Box Small Parts Feeding Assembly Type	8
Single Type Fuse Box Flat Washer Feeding Assembly Type	2
Single Type Fuse Box Nut Feeding Tightening Type	M5/M6/M8
Power Supply	AC380V 50HZ
Air Source	5–7 bar
Power	10KW
Running Period	20s
Dimensions	L 15000 × W6500 × H2000mm

HBQ-K603 HIGH SPEED VISION COUNTING MACHINE

Introduction

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.



Features

- **Beautiful:** the machine takes commercial gray as the basic color, the overall structure is simple and generous; friendly visual video, realtime 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.

Specifications

Type	HBQ-K603 High speed vision counting machine
Accuracy	Silver contact products accuracy can be even up to 99.95%.
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.)
Applicable Product Size	10-40mm
Work Process	Manual feeding-stock bin discharge-lift feeding-high speed counting-packing-conveying to collect bin
Cycle Time	Packing speed 4 packs/min, each pack of 200 connectors.
Dimensions	L2200 × W4100 × H2400mm

HBQ-Z108 8-DISK HORIZONTAL TERMINAL RECEIVER

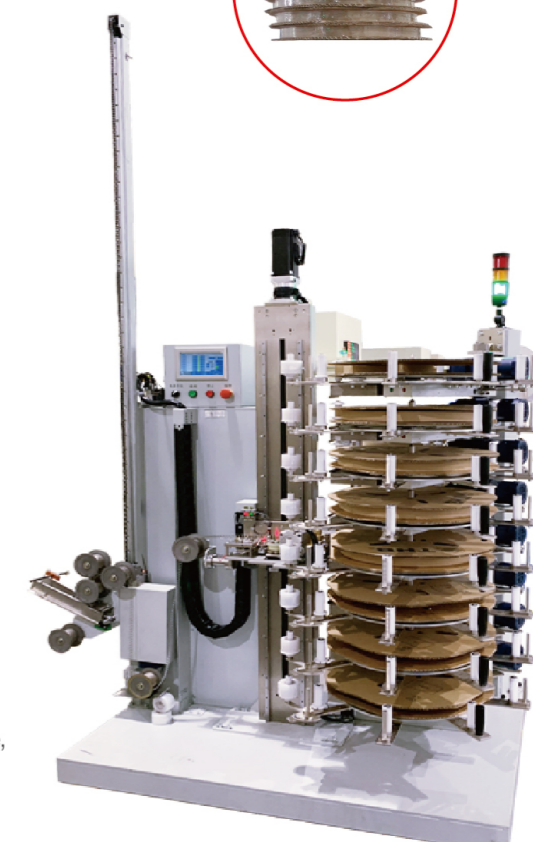
Introduction

HBQ-Z108 is the horizontal terminal receiver with 8 disks to be used for winding tapes.



Features

- **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 article 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.



Specifications

Type	HBQ-Z108
Power Supply	AC220V/50Hz
Power	1.3kW
Applicable Pressure	0.5-0.7MP
Dimensions	L2400 × W1200 × H3050mm
Weight	550kg

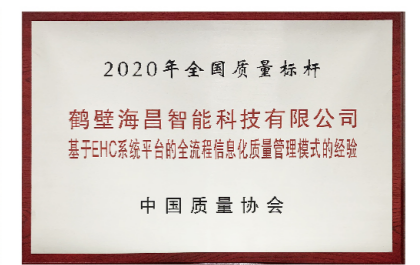
- **APTIV** • APTIV Packard Electric system
- LEONI** LEONI Electrical Systems
- LEAR CORPORATION** LEAR Corporation
- Amphenol** Amphenol Corporation
- GENTHERM** Gentherm Automotive System Ltd.
- JAH** Shang Hai Jinting Automobile Harness Ltd.
- BOSCH** Bosch Automotive Products Co.,Ltd
- SUMITOMO ELECTRIC**
- Fujikura**
- BizLink** BizLink Group
- GreatWall** Automobile Wiring Harness
- YAZAKI-CORPORATION**
- Continental** Continental Automotive Co.,Ltd.
- CBW** Changchun Bulb Wire Co., Ltd.
- YUTONG** Zhengzhou Yutong Group Co., Ltd.
- Coroplast** Coroplast Harness Technology Co.,Ltd
- LUXSHARE ICT** Luxshare Precision Industry Co., Ltd
- PKC GROUP** PKC Group
- 中航光电 JONHON** Jonhon Optoelectronic Technology Co., Ltd
- BYD** BYD Co., Ltd



National High-tech Enterprise



3A Class Enterprise by CAAM



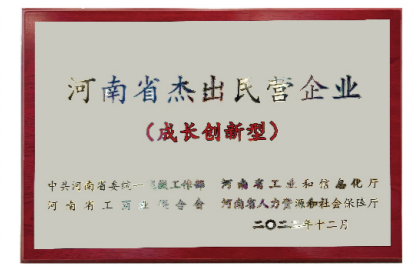
National Quality Benchmark



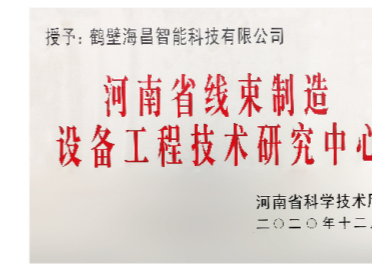
Smart Factory in Henan Province



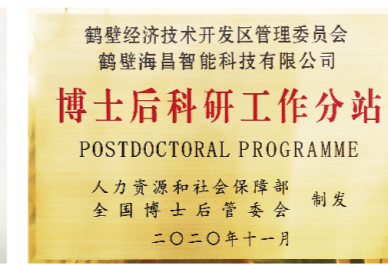
National Specialized and New "Small Giant" Enterprise



Digital Service Provider for SMEs in Henan Province



Wire Equipment R&D Center in Henan Province



Post-doctoral Sub station



Science and Technology Progress Award in Henan Province



National Torch Plan Industrialization Project



TüV ISO 14001:2015 Certificate



CE Certification



TüV ISO 9001:2015 Quality Certificate



Certificate of addition