

BUSINESS UNIT

业务模块

1 马达设备

Motor equipment

- 马达胶盖线 (非标定制设备) Motor rubber cover line (non-standard customized equipment)
- 全自动双工位定子绕线机 Automatic double station stator winding machine
- 全自动马达多股线绕线机 Automatic motor multi-strand winding machine
- 6工位马达定子绕线机 6-station motor stator winding machine
- 6工位马达转子绕线机 6-station motor rotor winding machine
- 全自动水平马达绕线回转线 Fully automatic horizontal motor winding slewing line



2 电感设备

Inductive devices

- 全自动磁环绕线机 Fully automatic magnetic wrapping line machine
- 全自动磁环蝴蝶绕线机 Automatic magnetic ring butterfly winding machine
- 全自动多功能磁环绕线机 Fully automatic multi-function magnetic wrapping line machine
- 全自动磁环包带机 Automatic magnetic ring wrapping machine
- 全自动互感器绕线机 Automatic instrument transformer winding machine
- 全自动差模磁环绕线机 Automatic differential mode magnetic wrapping line machine



3 变压器设备

Transformer equipment

- 十二轴多功能全自动绕线机 Twelve axis multi-function automatic winding machine
- 多功能双臂单轴套管绕线机 Multifunctional double arm single shaft casing winding machine
- 全自动两轴VCM侧绕线机 Fully automatic two-axis VCM side winding machine



4

T-core/扁线设备

T-core/flat wire equipment

- 全自动T-core一体成型电感绕线机 Automatic T-core integrated inductive winding machine
- 全自动扁线折弯机 Automatic flat wire bending machine
- 全自动立式扁线绕线机 Automatic vertical flat wire winding machine



5

空心线圈设备

Wireless charging devices

- 全自动阿尔法线圈绕线机 Fully automatic alpha coil winding machine
- 全自动单轴音圈绕线机 (拉伸整形) Automatic single-axis voice coil winding machine (stretch shaping)
- 全自动无线充发射端线圈绕线机 Automatic wireless charging transmitter coil winding machine
- 全自动无线充接收端线圈绕线机 Automatic wireless charging receiver coil winding machine



6

电声设备

Electroacoustic equipment

- 全自动音膜划线机 Automatic sound film marking machine
- 全自动音膜组合绕线机 Automatic audio membrane combination winding machine
- 全自动六轴音圈绕线机 Fully automatic six-axis voice coil winding
- 全自动大单轴空心线圈绕线机 Automatic large single-shaft air core coil winding machine
- 全自动引线控线绕线机 Fully automatic lead control winding
- 全自动骨架音圈绕线机 Automatic skeleton voice coil winding machine
- 全自动磁路组装机 (单磁、三磁、五磁) Automatic magnetic circuit assembly machine (single magnetic, triple magnetic, five magnetic)



7

非标自动化生产线

Non-standard automatic production line

- 全自动音膜成型自动组装机 Automatic assembly line for automatic sound film molding
- 全自动手机/耳机喇叭组装生产线 Fully automatic mobile phone/headphone speaker assembly production line
- 全自动喇叭组装机 Fully automatic speaker assembly machine

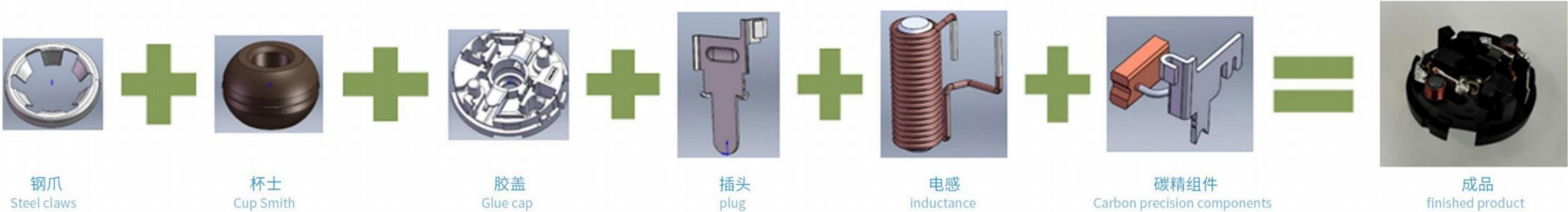
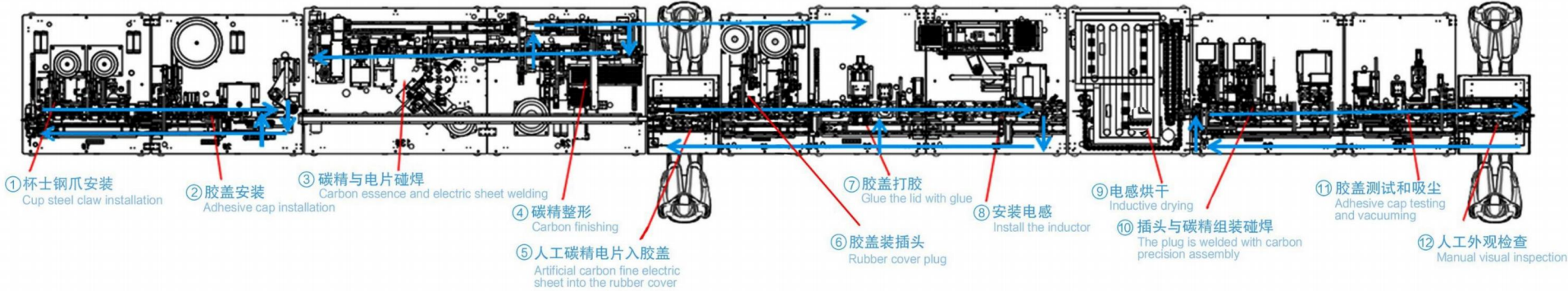


马达样品系列

Motor sample series



总体工位分布图 Overall station distribution map



款式多样性
产能高
Variety of styles
High production capacity



型号/Model: XT-MJGL01



组装前
Before assembly



组装后
After assembly

设备概述 Device overview

全自动化电机生产线完成胶盖部分组装，采用模块化设计，可兼容产品广泛，效率在600pcs/h。可快速转款，并配置视觉检测系统，实现稳定、高效的产品检测，提高生产效率，节省人力成本。主要完成：杯士钢爪安装、胶盖安装、碳精与电片碰焊、人工碳精电片入胶盖、胶盖装插头、胶盖打胶、安装电感、电感烘干、插头与碳精组装碰焊、胶盖测试和吸尘等组装工序。

The fully automatic motor production line completes the partial assembly of the rubber cover, adopts modular design, compatible with a wide range of products, and the efficiency is 600pcs/h. It can be quickly transferred and equipped with a visual inspection system to achieve stable and efficient product inspection, improve production efficiency and save labor costs. The main completion: cup steel claw installation, rubber cover installation, carbon essence and electric sheet welding, artificial carbon precision electric sheet into the rubber cover, rubber cover plug, rubber cover glue, installation inductor, inductor drying, plug and carbon precision assembly welding, rubber cover testing and vacuuming and other assembly processes.

技术参数

型号 Model	XT-MJGL01	电源 power supply	220V
良品率 Yield rate	>98%	稼动率 Utilization rate	95%以上 More than 95%
产能 Capacity	550-600pcs/h	外形尺寸 Spindle positioning accuracy	(L) 1400X (W) 1200X (H) 1800mm
气压 atmospheric pressure	0.5MP以上 0.5MP or more	其它 other	机器采用每循环安装1个产品 The machine uses 1 product per cycle

设备特点 Features

进口伺服电机驱动绕线动作。中英文触摸屏界面，可同时记忆多组参数。二/四工位，自动绕线、精密排线、自动换槽、自动过线、自动缠线、自动剪线、采用精密滚珠丝杠+精密直线导轨，绕线整齐、紧密、一致；选配电子张力器。

The imported servo motor drives the winding action. Chinese and English touch screen interface, can remember multiple sets of parameters at the same time. Two/four stations, automatic winding, precision arrangement, automatic groove change, automatic wire crossing, automatic winding, automatic wire cutting, the use of precision ball screw + precision linear guide rail, the winding is neat, tight and consistent; Optional electronic tensioner.

设备概述 Device overview

采用独特的控制技术，使小型马达的内转子绕线通过NC控制进行绕线和缠头。搭载了最新的伺服马达，通过NC同时控制四轴可灵活对应于规格变更。通过线嘴的上下和铁芯的转动，可按任意轨迹进行绕线，通过变更绕线程序，可对应于各种铁芯叠厚和铁芯极数的规格。为了进行整列绕线，排线（线嘴送线方式）可分割送线，而且绕线时，在各层可变更线嘴的上下高度，可防止漆包线的松弛现象。

Using unique control technology, the inner rotor of the small motor is wound and wound through NC control. Equipped with the latest servo motor, the NC simultaneously controls the four axes to flexibly respond to specification changes. By the upper and lower parts of the wire nozzle and the rotation of the core, the wire can be wound according to any trajectory, and by changing the winding procedure, it can correspond to the specifications of various core stacks and core poles. In order to wind the entire line, the cable (nozzle feeding method) can be divided and fed, and the upper and lower heights of the spout can be changed at each layer to prevent the relaxation of the enameled wire.

整列式 排线

Whole line arrangement



型号/Model: XT-02D

技术参数

型号 Model	XT-02D	线径 Wire diameter	Max ϕ 1.6mm
铁芯外径Max Outer diameter of iron wire Max	ϕ 106mm	电源 power supply	380V \pm 10% 50Hz
铁芯内径Min The inner diameter of the iron core is Min	Min 10mm	气压 atmospheric pressure	>0.6Mpa
定子叠厚 The stator is stacked thickly	Max80mm (可定制) Max80mm(customizable)	外形尺寸 Form factor	(L) 1504X (W) 680X (H) 1990mm
消耗功率 Power consumption	10KW	其它 other	特殊非标规格可定制 Special non-standard specifications can be customized

应用领域 Application areas

广泛应用于车载、白色家电、电动工具、自动化设备、无人机、军工等领域、直流无刷电机定子、步进电机定子、感应电机定子等内绕式线圈高品质绕线。

Widely used in automotive, white goods, power tools, automation equipment, drones, military and other fields, DC brushless motor stator, stepper motor stator, induction motor stator and other internal winding coil high-quality winding.

设备特点 Features

多套伺服联动，将线绕进槽内，中英文触摸屏界面设置参数，可同时记忆多组绕线数据；单工位自动绕线，自动勾线，自动换槽，自动过线，自动抽头，自动夹剪线，采用精密滚珠丝杠+精密直线导轨钩排线，绕线整齐、紧密、一致；采用多股线张力系统，张力稳定性好。

Multiple sets of servo linkage, the wire is wound into the groove, and the Chinese and English touch screen interface sets parameters, and multiple sets of winding data can be remembered at the same time; Single station automatic winding, automatic hook wire, automatic groove change, automatic wire crossing, automatic tap, automatic clipping and cutting line, using precision ball screw + precision linear guide rail hook line, the winding is neat, tight and consistent; It adopts multi-strand tension system, and has good tension stability.

设备概述 Device overview

本设备采用独特的控制技术，使小型马达的内转子绕线通过NC控制进行绕线和缠头。搭载了最新的伺服电机，结构简单精巧，通过NC同时控制4轴可灵活对应于规格变更，适用于多股线内绕多轴伺服电机控制，增加更高槽满率和绕线精度伺服控制多线张力，调试简单易学，电控和机件均采用主流品牌。

This equipment adopts unique control technology to winding the inner rotor of the small motor through NC control and winding the head. Equipped with the latest servo motor, the structure is simple and exquisite, through NC simultaneous control of 4 axes can flexibly correspond to specification changes, suitable for multi-strand line inner winding multi-axis servo motor control, increase higher slot full rate and winding accuracy servo control multi-line tension, debugging is simple and easy to learn, electronic control and mechanical parts are adopted mainstream brands.

多股线 <32

Multi-stranded lines <32



型号/Model: XT-DGRXJ

技术参数

型号 Model	XT-DGRXJ	定子叠厚 The stator is stacked thickly	Max 150mm
适绕线径 Suitable for winding diameter	Max 0.8mm	定子槽数 Number of stator slots	48槽 48 slots
绕线根数 Number of winding roots	32根 32 roots	电源 power supply	380V \pm 10% 50Hz
铁芯内径 The inner diameter of the iron core is Min	Min 30mm	气压 atmospheric pressure	>0.6Mpa
定子外径 Stator outer diameter	Max 250mm	外形尺寸 Form factor	(L) 1385X (W) 1362X (H) 1922.5mm
消耗功率 Power consumption	7.5KW	其它 other	特殊非标规格可定制 Special non-standard specifications can be customized

应用领域 Application areas

车载马达、IOT/AI用马达、军工、工控、玩具类马达。

Automotive motors, IOT/AI motors, military, industrial control, and toy motors.

六工位马达定子绕线机

Six-station motor stator winding machine

设备特点 Features

采用运动控制器，反应速度快，效率高；六工位自动绕线，自动排线，自动换槽；采用精密滚珠丝杠排线，绕线整齐、紧密、一致；有效提高生产效率，减少线材消耗，提升产品质量。

Motion controller is adopted, which has fast reaction speed and high efficiency; Six-station automatic winding, automatic arrangement, automatic groove change; Precision ball screw arrangement is adopted, and the wire is wound whole alignment, closeness, consistency; Effectively improve production efficiency, reduce wire consumption, and improve product quality.

设备概述 Device overview

铸铁机身+钣金机架，稳重可靠。中英文触摸屏界面方便操作，可同时记忆多组参数。采用精密滚珠丝杠排线，绕线整齐、紧密、一致。十二工位（六工位绕线+六工位上下料）自动转位、自动绕线、自动排线、自动换槽、自动缠PIN脚、自动夹剪线头线尾。选配气动剪刀/电子张力器/伺服张力器，线嘴伸进槽口绕线。

Cast iron fuselage + sheet metal frame, stable and reliable. The Chinese and English touch screen interface is convenient to operate, and multiple sets of parameters can be remembered at the same time. Precision ball screw wire is used, and the winding is neat, tight and consistent. 12 stations (six-station winding + six-station loading and unloading) automatic indexing, automatic winding, automatic wire arrangement, automatic groove change, automatic pinning, automatic clipping and cutting of the head and end of the line. Optional pneumatic scissors/electronic tensioner/servo tensioner, the wire mouth extends into the notch to wind.



技术参数

型号 Model	XT-BL06	电源 power supply	220V±10%50Hz
铁芯外径 Core outer diameter	Max 65mm	气压 atmospheric pressure	>0.6Mpa
线径 Wire diameter	Max 0.5mm (非标可定制) Max0.5mm (non-standard can be customized)	外形尺寸 Form factor	(L) 1200X (W) 1600X (H) 1800mm
定子叠厚 The stator is stacked thickly	10-46mm (非标可定制) 10-46mm (non-standard can be customized)	其它 other	特殊非标规格可定制 Special non-standard specifications can be customized

应用领域 Application areas

广泛应用于车载、军工、白色家电、无人机等领域。无人机桨翼、云台，车载风扇，白色家电风扇、车载雷达等马达。Widely used in automotive, military, white goods, drones and other fields. UAV paddle wings, gimbals, car fans, white goods fans, car radar and other motors.

六工位马达转子绕线机

Six-station motor rotor winding machine

设备特点 Features

采用运动控制器，反应速度快，效率高；六工位自动绕线，自动排线，自动换槽；采用精密滚珠丝杠排线，绕线整齐、紧密、一致；有效提高生产效率，减少线材消耗，提升产品质量。

Motion controller is adopted, which has fast reaction speed and high efficiency; Six-station automatic winding, automatic arrangement, automatic groove change; Precision ball screw is used to arrange the wire, and the wire is wound whole alignment, closeness, consistency; Effectively improve production efficiency, reduce wire consumption, and improve product quality.

设备概述 Device overview

铸铁机身+钣金机架，稳定可靠。中英文触摸屏界面，方便操作，可同时记忆多组参数。采用精密滚珠丝杠排线，绕线整齐、紧密、一致，十二工位（六工位绕线+六工位上料）、自动绕线、自动排线、自动换槽、自动缠线、自动夹剪线头线尾、自动化程度高；可选配气动剪刀/电子张力器/伺服张力器。

Cast iron body + sheet metal frame, stable and reliable. Chinese and English touch screen interface, easy to operate, can remember multiple sets of parameters at the same time. Using precision ball screw arrangement, the winding is neat, tight and consistent, 12 stations (six-station winding + six-station feeding), automatic winding, automatic arranging, automatic groove changing, automatic winding, automatic clipping and cutting of the head and tail, high degree of automation; Optional pneumatic scissors/electronic tensioner/servo tensioner.



技术参数

型号 Model	XT-F06D	铁芯槽数 Number of core grooves	3-12槽 3-12 slots
转子叠厚 Rotor stack thickness	Max 40mm	电源 power supply	220V±10%50Hz
转子精度 Rotor accuracy	0.1°	气压 atmospheric pressure	>0.6Mpa
转子外径 Rotor outer diameter	Max 28mm	外形尺寸 Form factor	(L) 1200X (W) 1600X (H) 1800mm
线径 Wire diameter	Max ø0.5mm	其它 other	特殊非标规格可定制 Special non-standard specifications can be customized

应用领域 Application areas

广泛应用于车载、白色家电、电动工具、自动化设备、军工等领域，车载座椅、电摇窗、尾箱、遮阳帘、自动门吸、自动车门等应用电机。Widely used in automotive, white goods, power tools, automation equipment, military and other fields, car seats, electric windows, tail boxes, sun blinds, automatic door suction, automatic doors and other application motors.

实现无人操作
Implement unmanned
operation



型号/Model: XT-601QS

设备概述 Device overview

本线主要是将多台绕线机连接起来，实现无人化操作，将绕线机绕好的线圈自动装入工装，再将工装自动搬运到人工理线平台，可在线圈工装搬运方面实现自动化。

This line is mainly to connect multiple winding machines to achieve unmanned operation, automatically load the coil wound of the winding machine into the tooling, and then automatically transport the tooling to the manual wire management platform, which can realize automation in coil tooling handling.

应用领域 Application areas

手机震动马达、水平马达等。

Mobile phone vibration motor, horizontal motor, etc.



设备特点 Features

本线用于振动马达和水平马达，可根据产能来增减绕线机的数量，能减少操作人员，节省人工成本。

This line is used for vibration motors and horizontal motors, and the number of winding machines can be increased or decreased according to the production capacity, which can reduce operators and save labor costs.

技术参数

型号 Model	XT-601QS	电源 power supply	220V±10% 50Hz
良品率 Yield rate	>99%	气压 atmospheric pressure	>0.6Mpa
总功率 Total power	5.5KW	外形尺寸 Spindle positioning accuracy	(L) 8700X (W) 1400X (H) 1900mm
稼动率 Utilization rate	>85%		

电感样品系列

Inductance sample series



为客户创造价值，智造美好生活

全自动磁环绕线机

Fully automatic magnetic wrapping line machine

设备特点 Features

全自动上下料，节约人工成本，一人可看多台；自动化提高效率替代人工；提高产品质量和一致性，控制器支持多点控制面板，人力成本转为固定资产。

Fully automatic loading and unloading, saving labor costs, one person can see multiple materials; Automation improves efficiency and replaces labor; Improve product quality and consistency, controllers support multi-point control panels, and labor costs are converted to fixed assets.

设备概述 Device overview

专门针对磁环对称绕法设计的全自动磁环勾线机，从上磁芯，进线，勾线，下料全无人为一体的双轴机，单轴绕单边，大大提高了勾线时间，可单层，两层往复，三层排线，排线精密，效率高，省人工，线径范围兼容广阔，上一次磁芯可运转2小时以上，铜线整轴上料，一人可以看多台，缺料（磁芯，铜线）后会自动停机，磁芯可非晶，铁粉芯，铁硅铝等材料，线材可使用铜线，铝线，速度可调，更换规格方便快捷。

Specially designed for the symmetrical winding method of the magnetic ring automatic magnetic ring hooking machine, from the upper core, inlet, hook wire, unloading all unmanned biaxial machine, single axis around the single side, greatly improve the hook time, can be single-layer, two-layer reciprocating, three-layer cable, precision cable, high efficiency, labor-saving, wire diameter range compatible with a wide range, the last magnetic core can run for more than 2 hours, copper wire whole shaft feeding, one person can see multiple units, lack of material (magnetic core, copper wire) will automatically stop after the shortage, magnetic core can be amorphous, iron powder core, iron silicon aluminum and other materials, The wire can use copper wire, aluminum wire, the speed is adjustable, and the replacement specification is convenient and fast.



型号/Model: XT-CH001S

技术参数

型号 Model	XT-CH001S	完成后最小内径 Minimum wire diameter when finished	0.5mm完成后8mm 0.5mm after 8mm
线径 Wire diameter range	0.5-2.2mm	电源 power supply	220V±10% 50Hz
线长 Wire length	100-1600mm	气压 atmospheric pressure	>0.6Mpa
勾线速度 Hook line speed	0.6-1.2S	外形尺寸 Form factor	(L) 1000X (W) 1700X (H) 2100mm
外径 Outside diameter	10-60mm		

应用领域 Application areas

汽车电子、医疗器械电源、家电电源等磁环产品，特殊型线材粗线单线双线，共模，多边绕。

Automotive electronics, medical device power supply, home appliance power supply and other magnetic ring products, special wire thick wire single wire double wire, common mode, multilateral winding.

全自动磁环蝴蝶绕线机

Automatic magnetic ring butterfly winding machine

设备特点 Features

采用运动控制器，反应速度快，效率高；自动绕线，自动排线，采用精密滚珠丝杆排线，绕线整齐、紧密、一致；有效提高生产效率，减少线材消耗，提升产品质量。

Motion controller is adopted, which has fast reaction speed and high efficiency; Automatic winding, automatic arrangement, using precision ball screw arrangement, neat, tight and consistent winding; Effectively improve production efficiency, reduce wire consumption, and improve product quality.

设备概述 Device overview

一款专门针对磁环蝴蝶绕法设计的全自动磁环勾线机，从上磁芯，进线，勾线，下料全无人为一体的双轴机，速度可调，提高生产效率，节约人工成本提升产品品质，更换规格方便快捷。

A fully automatic magnetic ring hooking machine specially designed for the magnetic ring butterfly winding method, from the upper core, inlet, hook line, unloading all unmanned biaxial machine, speed adjustable, improve production efficiency, save labor costs, improve product quality, replace specifications convenient and fast.



型号/Model: XT-CHHD002

技术参数

型号 Model	XT-CHHD002	勾线速度 Hook line speed	0.8-1.5s
线长 Wire length	100-2800mm	电源 power supply	220V±10% 50Hz
线径 Wire diameter	0.4-1.8mm	气压 atmospheric pressure	>0.6Mpa
磁环外径 Magnetic ring outer diameter	13-50mm	外形尺寸 Form factor	(L) 1630X (W) 1980X (H) 2050mm

应用领域 Application areas

共模电感：冰箱、洗衣机、摄像机、录像机、彩电、AC调频机、传真、电源供应器等；

差模电感：通信、电子、汽车和医疗。

Common-mode inductor: refrigerator, washing machine, video camera, video recorder, color TV, AC FM, fax, power supply, etc; Differential-mode inductors: communications, electronics, automotive, and medical.

全自动多功能磁环绕线机

Fully automatic multi-function magnetic wrapping line machine

设备特点 Features

磁芯和线径兼容范围广泛，不受材料限制，稼动率高；换型时间短，人机界面清晰易懂，一人可看多台，不良率检测自动停机，缺料自动预警，自动停机；产品换型更换部件少，设备张力根据设备丝杆的力度调整而改变；相同高度不同外径正负 5mm 的磁芯可通用一套治具。

Wide range of core and wire diameter compatibility, not limited by materials, high operating rate; Short changeover time, clear and easy-to-understand man-machine interface, one person can see multiple times, automatic shutdown of defective rate detection, automatic early warning of material shortage, automatic shutdown; There are few replacement parts for product changeovers, and the equipment tension changes according to the strength adjustment of the equipment screw; Magnetic cores with different outer diameters of plus or minus 5mm of the same height can be used as one fixture.

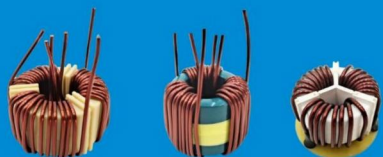
设备概述 Device overview

一款专门针对磁环对称绕法设计的全自动磁环勾线机，从上磁芯，进线，勾线，下料全无人一体的双轴机，单轴绕单边，有效提高了勾线时间。

A fully automatic magnetic ring hooking machine specially designed for the symmetrical winding method of magnetic ring, from the upper core, inlet, hook wire, unmanned biaxial machine, single axis winding single side, effectively improve the hooking time.

多绕组

Multi-winding



型号/Model: XT-CH001-3

技术参数

型号 Model	XT-CH001-3	电源 power supply	220V±10% 50Hz
线径 Wire diameter	0.5-2.5mm	气压 atmospheric pressure	>0.6Mpa
双线范围 Two-line range	0.5-1.2mm	最小外径 Minimum outer diameter	15mm
线长 Wire length	10mm-1600mm	最大外径 Maximum outer diameter	50mm
最高高度 Maximum height	30mm	外形尺寸 Form factor	(L) 1900X (W) 1150X (H) 2200mm

应用领域 Application areas

该设备主要用各种磁环，非晶勾线。

The equipment mainly uses various magnetic rings, amorphous hook lines.

全自动磁环包带机

Automatic magnetic ring wrapping machine

设备特点 Features

磁芯和胶带兼容范围广泛，稼动率高；换型时间短，人机界面清晰易懂；一人可看多台，缺料自动预警，自动停机，产品换型更换部件少。

Wide range of core and tape compatibility, high operating rate; Short changeover time, clear and easy to understand man-machine interface; One person can see multiple units, automatic warning of material shortage, automatic shutdown, and few replacement parts for product replacement.

设备概述 Device overview

具有灵活操作方式，针对不同的工艺参数，可方便的进行调整；具有直观的人机交互界面，操作方式简单，可维护性好；设备具有渐进式调节功能，每一层都可以调试不同的速度。

With flexible operation mode, it can be easily adjusted for different process parameters; It has an intuitive human-computer interaction interface, simple operation mode and good maintainability; The device has progressive adjustment, and each layer can be tuned at a different speed.

节省人力

Save manpower



型号/Model: XT-CHBJ001

技术参数

型号 Model	XT-CHBJ001	包带时间 Strap time	7S/Pcs
电源 power supply	AC 220V±10% 50Hz	最高高度 Maximum height	40mm
环境温度 Ambient temperature	-5℃~+40℃	最小外径 Minimum outer diameter	20mm
电源 power supply	220V±10% 50Hz	最大外径 Maximum outer diameter	60mm
气压 atmospheric pressure	>0.6Mpa	外形尺寸 Form factor	(L) 750X (W) 950X (H) 2150mm

应用领域 Application areas

该设备主要用各种磁环，侧面包自粘胶带。

The equipment mainly uses various magnetic rings, and the side is wrapped with self-adhesive tape.

全自动互感器绕线机

Automatic instrument transformer winding machine

设备特点 Features

一款专门针对细线多圈的互感器绕线机，一班次可以节省多人，实现了全自动上料，全自动上线，全自动绕线，全自动下料为一体的自动化绕线机，可以24小时不停机联动生产。
A transformer winding machine specially for fine wire multi-turn, one shift can save many people, to achieve automatic feeding, automatic on-line, fully automatic winding, automatic unloading as one of the automatic winding machine, can be 24 hours non-stop linkage production.

设备概述 Device overview

互感器设备生产工序：全自动进线、绕线、下料，可实现360°绕线。
Transformer equipment production process: automatic wire feeding, winding, unloading, can achieve 360° winding.



技术参数

型号 Model	XT-HGQ05J	线长 power supply	1-100mm
线径 Wire diameter	0.08-0.4mm	磁环外径 Strap time	10-40mm, 超过磁环尺寸需更换夹具 The fastest 7s each
电源 power supply	220V±10% 50Hz	设备空转绕线速度 relative humidity	1000转/min
气压 atmospheric pressure	>0.6Mpa	外形尺寸 Form factor	(L) 900X (W) 1150X (H) 2000mm

应用领域 Application areas

主要针对细线多圈的磁环产品，例如，传感器线圈，互感器线圈，漏电保护器线圈。
Mainly for magnetic ring products with multiple turns of fine wire, such as sensor coils, transformer coils, leakage protector coils.

全自动差模磁环绕线机

Automatic differential mode magnetic wrapping line machine

设备特点 Features

磁芯和线径兼容范围广泛，不受材料限制，稼动率高；换型时间短，人机界面清晰易懂；一人可看多台，不良率侦测自动停机；缺料自动预警，自动停机；产品换型更换部件少，设备张力是根据设备丝杆的力度调整而改变的；相同高度不同外径正负5mm的磁芯可以通用一套治具。
Wide range of core and wire diameter compatibility, not limited by materials, high operating rate; Short changeover time, clear and easy to understand man-machine interface; One person can see multiple people, and the defective rate detection will automatically stop; Automatic early warning of material shortage and automatic shutdown; There are few replacement parts for product changeover, and the equipment tension is changed according to the strength adjustment of the equipment screw; Magnetic cores of plus or minus 5mm with different outer diameters of the same height can be universally used as one set of fixtures.

设备概述 Device overview

可正反绕制，不断线，排线平整美观；具有灵活操作方式，针对不同的工艺参数，可方便的进行调整；具有直观的人机交互界面，操作方式简单，可维护性好。
It can be wound forward and reverse, uninterrupted line, smooth and beautiful line; With flexible operation mode, it can be easily adjusted for different process parameters; It has an intuitive man-computer interaction interface, simple operation mode and good maintainability.



技术参数

型号 Model	XT-CH003	线径 Ambient temperature	0.5mm-1.5mm
线长 power supply	10mm-1600mm	双线圈范围 Two-line range	0.5-1.2, mm
最大外径 Maximum outer diameter	50mm	电源 power supply	220V±10% 50Hz
最小外径 Minimum outer diameter	15mm	气压 atmospheric pressure	>0.6Mpa
最高高度 Maximum height	30mm	外形尺寸 Form factor	(L) 1150X (W) 1550X (H) 2250mm

应用领域 Application areas

该设备主要用各种磁环，非晶勾线。
The equipment mainly uses various magnetic rings, amorphous hook lines.

变压器样品系列

Transformer sample series





轴间距
50/70mm
Axis spacing 50/70mm

型号/Model: XT-TW1250/XT-TW1270

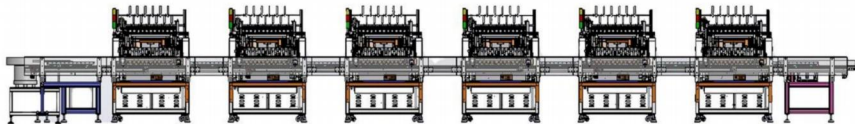
设备概述 Device overview

本设备为多轴绕线机，Bobbin上料，在主轴上完成绕线后，包胶带机构进行包胶动作，全自动下料。可适用反缠Pin产品，线嘴架可反向翻转90度，具有超高速，小型化，省空间的特点。本机器外观设计新颖，操作简单，维护保养方便；编程采用电脑或触摸屏，中英文显示切换简单；独特的接头夹具设计，使用精密带反张力控制张力器，使产品排线整齐；自动夹线、断线、排除废线功能，节省绕线时间。

This equipment is a multi-axis winding machine, Bobbin feeding, after completing the winding on the spindle, the tape covering mechanism carries out the glue covering action, and the material is fully automatic unloading. It can be applied to anti-winding pin products, and the wire nozzle holder can be reversed 90 degrees, which has the characteristics of ultra-high speed, miniaturization and space saving. The machine has novel design, simple operation and convenient maintenance; The programming adopts computer or touch screen, and the Chinese and English display switching is simple; Unique joint fixture design, the use of precision belt anti-tension control tensioner, so that the product line is neat; Automatic clamping, disconnection, and elimination of waste line functions save winding time.

应用领域 Application areas

设备广泛适用于白色家电、通讯行业、工控电源、医疗行业、航空航天、军工、消费类变压器、贴片类变压器等。The equipment is widely used in white goods, communication industry, industrial control power supply, medical industry, aerospace, military, consumer transformer, chip transformer, etc.



全自动一体(根据产品可实现多绕组需求)
Fully automatic integration (multi-winding requirements can be realized according to the product)



设备特点 Features

本设备为多轴绕线机，Bobbin上料，在主轴上完成绕线后，可适用反缠Pin产品，(S线无交叉) 线嘴架可反向翻转90度，具有超高速，小型化，省空间。

This equipment is a multi-axis winding machine, Bobbin feeding, after the winding is completed on the spindle, the reverse winding Pin product can be applied, (S line without crossing) the wire nozzle holder can be reversed 90degree, with ultra-high speed, miniaturization, space saving.

技术参数

型号 Model	XT-TW1250/XT-TW1270	电源 power supply	220V±10% 50Hz
线径 Wire diameter	0.03-0.7mm (0.7mm三层绝缘线) 0.03-0.7mm (0.7mm three-layer insulated wire)	气压 atmospheric pressure	>0.4Mpa
轴间距 Axis spacing	50/70mm	设备重量 Device weight	700-950kg
轴数 Number of axes	12轴 12 axes	外形尺寸 Form factor	(L) 1630X (W) 1200X(H) 1800mm (L) 1300X (W) 1400X(H) 1800mm



型号/Model: XT-CTW01

设备特点 Features

本机为单轴套管机，bobbin自动上料，在主轴上完成绕线后，可下垫胶带，隔离胶带，单双边挡墙胶带，反折胶带，不断胶带，可实现三明治绕法，可单独实现两种不同的套管；自动下料。

This machine is a single shaft casing machine, Bobbin automatic feeding, after completing the winding on the spindle, it can be cushioned tape, isolation tape, single and bilateral retaining wall tape, reverse folding tape, continuous tape, can realize sandwich winding method, can realize two different casings separately; Automatic unloading.

设备概述 Device overview

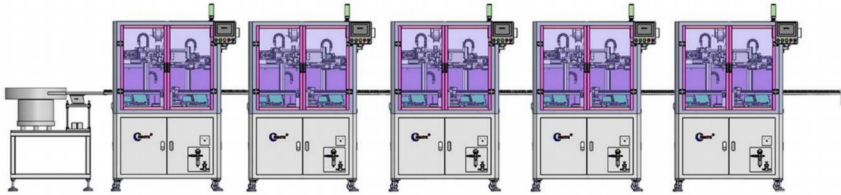
本设备为单轴双臂套管机，可完成线径0.2-1.5mm，15轴联动，适用范围广泛，EP7-PQ系列多种套管产品，可预留引线长达200mm，导针杆可360°旋转，精度可达0.002mm，具有超高速，运转可达8000PRM；小型化，省空间的特点，本机外观设计新颖，操作简单，维护保养方便，稳定性好，性价比高，效率高。

This equipment is a single-axis double-arm casing machine, can complete the wire diameter 0.2-1.5mm, 15-axis linkage, a wide range of applications, EP7-PQ series a variety of bushing products, can reserve leads up to 200mm, guide pin rod can rotate 360°, accuracy up to 0.002mm, with ultra-high speed, operation up to 8000PRM; miniaturization, space-saving characteristics, the machine appearance design novel, simple operation, easy maintenance, good stability, cost-effective, high efficiency, straight-through rate up to 99.8% Above.

应用领域 Application areas

适用于消费类，家电类，贴片，广泛适用于家电，汽车，新能源，水泵，水阀等。

Suitable for consumer, home appliances, SMD, widely used in home appliances, automobiles, new energy, water pumps, water valves, etc.



全自动一体(根据产品可实现多绕组需求)
Fully automatic integration (multi-winding requirements can be realized according to the product)



技术参数

型号 Model	XT-CTW01	电源 power supply	220V±10% 50Hz
线径 Wire diameter	0.2-1.5mm (1.2mm三层绝缘线) 0.2-1.5mm (1.2mm three-layer insulated wire)	气压 atmospheric pressure	>0.4Mpa
单线套管直径范围 Single wire sleeve diameter range	28L-14L	主轴定位精度 Spindle positioning accuracy	±0.001°
双线在同一个套管直径范围 Double wires in the same sleeve diameter range	28L-15L	移动定位精度 Motion positioning accuracy	±0.002
胶带宽度范围 Ribbon width range	2mm-25mm	外形尺寸 Form factor	(L) 1500X (W) 1300X (H) 1800mm

设备特点 Features

该绕线机设备采用先进的CNC运动控制器，显示屏自编程序，操作方便，运动控制器可执行高精度直线定位、圆弧插补、螺旋环绕等动作；传动部分采用日本安川伺服马达，THK高精度研磨丝杆，具有高旋转转速、定位精准、寿命长等特点，并做了安全结构设计，安全性更强；具有自供空气加热装置，每个主轴具有独立的出气口，使绕出的产品更加稳定。可根据客户的需求设计绕特殊线圈。

The winding machine equipment adopts advanced CNC motion controller, the display screen is self-programmed program, easy to operate, and the motion controller can perform high-precision linear positioning, arc interpolation, spiral wrapping and other actions; The transmission part adopts Japanese Yaskawa servo motor, THK high-precision grinding screw, with high rotation speed, accurate positioning, long life and other characteristics, and made a safety structure design, stronger safety; With self-supplied air heating device, each spindle has an independent air outlet, so that the winding product is more stable. Special coils can be designed according to customer needs.



设备概述 Device overview

本设备是专门为生产VCM骨架线圈设计的一款新型机器。绕线机精度高，广泛用于电脑、网络摄像头、扫描仪、手机摄像头等，同时可以全自动上锡。

This equipment is a new type of machine specially designed for the production of VCM skeleton coils. The winding machine has high precision and is widely used in computers, webcams, scanners, mobile phone cameras, etc., and can be fully automatic tinning.

应用领域 Application areas

手机VCM马达线圈，摄像头马达线圈。
Mobile phone VCM motor coil, camera motor coil.

自动上锡

侧绕/直绕

Automatic tinning
Side winding/straight winding



型号/Model: XT-668

技术参数

型号 Model	XT-668	引出线位置 Leader line position	可任意设定角度 The angle can be set arbitrarily
线径 Wire diameter	0.02-0.15mm	引出线长度 Leader length	1-50mm (特殊可定制) 1-50mm (special customizable)
线圈高度 Coil height	≤20mm	操控方式 Controls	触摸屏 touch screen
线圈外径 Coil outer diameter	≤φ20mm (特殊可定制) ≤φ20mm (special customizable)	电源 power supply	220V±10% 50Hz
产能 Capacity	600-800Pcs/h (以每层70圈, 4层圆形骨架为例) 600-800Pcs/h (70 turns per layer, 4-layer circular skeleton as an example)	气压 atmospheric pressure	>0.6Mpa
控制轴数 Manipulate the number of axes	4轴伺服 4-axis servo	外形尺寸 Form factor	(L) 1400X (W) 710X (H) 1820mm

T-core/扁线样品系列

T-core/flat wire sample series



为客户创造价值，智造美好生活



型号/Model: XT-M01

设备特点 Features

- 设备生产效率高，全自动上下料；
- 设备可作业多类型料号:1608系、2012系、2016系、2520系、3225系；
- 不同料号简单切换不同规格治具即可作业；
- 设备内可查看实时生产和设备运转状况,实时监控生产信息。
- Fast production efficiency of equipment, automatic loading and unloading;
- The equipment can operate multiple types of material numbers: 1608 series, 2012 series, 2016 series, 2520 series, 3225 series;
- Different material numbers can be operated by simply switching different specifications of fixtures;
- The equipment can view the real-time production and equipment operation status, and monitor the production information in real time.

设备概述 Device overview

高精度，高速度，高良率，高品质的优势，能够有效的帮助客户提高稳定产能，此设备不同于常规绕线机，可通过配方编辑对偶数圈/奇数圈自行切换，伺服采用脉冲信号控制，关键及核心部位均采用精密设备加工，标准件采用国际高端品牌，设备换型重要零部件统一进行寿命管控。

High precision, high speed, high yield, high quality advantages, can effectively help customers improve stable production capacity, this equipment is different from the conventional winding machine, can be edited by formula to even turns / odd turns to switch themselves, servo using pulse signal control, key and core parts are processed by precision equipment, standard parts adopt international high-end brands, equipment replacement important parts unified life control.

应用领域 Application areas

VR头盔、车载导航、智能手机、平板电脑、便携式游戏机、通信设备、伺服驱动、蓝牙耳机、充电产品、智能手表等。
VR headsets, car navigation, smartphones, tablets, portable game consoles, communication equipment, servo drives, Bluetooth headsets, charging products, smart hands, tables, etc.

立绕/平绕

Vertical winding
flat winding



技术参数

型号 Model	XT-M01	电源 power supply	220V±10% 50Hz
稼动率 Utilization rate	≥95%	气压 atmospheric pressure	>0.6Mpa
生产周期 Production cycle	2.2-3S/Pcs	控制元件 Control elements	PLC: 欧姆龙; 伺服: 台达 PLC: Omron; Servo: Delta
上料方式 Feeding method	振动盘 Vibrating plate	执行元件 Actuators	SMC/亚德克 SMC/Yadeck
操作高度 Operating height	约1m About 1m	外形尺寸 Form factor	(L) 1125X (W) 850X(H) 1900mm

全自动扁线折弯机

Automatic flat wire bending machine

设备特点 Features

控制系统采用全中英文触摸屏接口，操作简便、易学，机械操作部分设计合理，生产效率比进口设备高。所采用金属材料经过特殊化工艺处理，设备的耐磨、防腐等性能较普通设备有显著提升，延长了设备的使用寿命。机械运动部分全采用进口伺服马达，进口轴承保证了产品的高效率和高精度，形变小，提升了产品品质；设备可实现开机24小时稳定、高效生产，一人可操作多台设备，节省人力成本。兼容性强，能与全自动化生产线及无人车间兼容配套。

The control system adopts full Chinese and English touch screen interface, which is easy to operate and easy to learn, the mechanical operation part is reasonably designed, and the production efficiency is higher than that of imported equipment. The metal materials used have been treated by special processes, and the wear-resistant, anti-corrosion and other properties of the equipment have been significantly improved compared with ordinary equipment, prolonging the service life of the equipment. The mechanical motion part adopts imported servo motor, and the imported bearing ensures the high efficiency and high precision of the product, and the deformation is small, which improves the product quality; The equipment can realize stable and efficient production for 24 hours after start-up, and one person can operate multiple equipment, saving labor costs. Strong compatibility, compatible with fully automated production lines and unmanned workshops.

设备概述 Device overview

本设备是针对大线径线圈设计的一款高效的多轴联动绕线机，可应用于大线径线圈的绕制，根据客户需求绕制圆线，扁线线圈，该设备可在磁环上绕制生产，针对各种异形线圈有很好的解决方案。具有效率高、产能大、二十四小时不间断生产等特点。节省人力成本。能满足各类用户自动化生产需求。

This equipment is an efficient multi-axis linkage winding machine designed for large wire diameter coils, which can be applied to the winding of large wire diameter coils, according to customer needs to wind round wire, flat wire coil, the equipment can be wound on the magnetic ring production, for a variety of special-shaped coils have a good solution. It has the characteristics of high efficiency, large production capacity and 24-hour uninterrupted production. Save labor costs. It can meet the needs of various users for automated production.



型号/Model: XT-FW001

技术参数

型号 Model	XT-FW001	轴数 Number of axes	8轴 8 axes
适用线径 Minimum wire diameter	最大: 4mmx14mm 最小: 0.3mmx0.5mm Max: 4mmx14mm Min: 0.3mmx0.5mm	电源 power supply	380V±10% 50Hz
线圈高度 Coil height	≈80mm	气压 atmospheric pressure	>0.4Mpa
绕制线圈外径 Wound coil outer diameter	Φ25~Φ100mm	外形尺寸 Spindle positioning accuracy	(L) 2100X (W) 1800X (H) 1800mm

应用领域 Application areas

本机适用于线型：扁平线/圆线，线圈形状如：跑道型，方型及各种异形线圈等。

This machine is suitable for line type: flat line/round line, coil shape such as: runway type, square type and various special-shaped coils, etc.

全自动立式扁线绕线机

Automatic vertical flat wire winding machine

设备特点 Features

控制系统采用全中英文触摸屏接口，操作简便、易学，机械操作部分设计合理，生产效率比进口设备高。所采用金属材料经过特殊化工艺处理，设备的耐磨、防腐等性能较普通设备有显著提升，延长了设备的使用寿命。机械运动部分全采用进口伺服马达，进口轴承保证了产品的高效率和高精度，形变小，提升了产品品质；设备可实现开机24小时稳定、高效生产，一人可操作多台设备，节省人力成本。兼容性强，能与全自动化生产线及无人车间兼容配套。

The control system adopts full Chinese and English touch screen interface, which is easy to operate and easy to learn, the mechanical operation part is reasonably designed, and the production efficiency is higher than that of imported equipment. The metal materials used have been treated by special processes, and the wear-resistant, anti-corrosion and other properties of the equipment have been significantly improved compared with ordinary equipment, prolonging the service life of the equipment. The mechanical motion part adopts imported servo motor, and the imported bearing ensures the high efficiency and high precision of the product, and the deformation is small, which improves the product quality; The equipment can realize stable and efficient production for 24 hours after start-up, and one person can operate multiple equipment, saving labor costs. Strong compatibility, compatible with fully automated production lines and unmanned workshops.

设备概述 Device overview

XT-FWY001是针对扁平线圈设计的一款高效的多轴联动绕线机，可应用于大线径线圈的绕制有很好的解决方案。降低了绕线机的价格。该设备具有效率高、产能大、二十四小时不间断生产等特点。节省人力成本。能满足各类用户自动化生产需求。

XT-FWY001 is an efficient multi-axis linkage winding machine designed for flat coils, which can be applied to the winding of large wire diameter coils. Reduced the price of winding machines. The equipment has the characteristics of high efficiency, large production capacity and 24-hour uninterrupted production. Save labor costs. It can meet the needs of various users for automated production.



型号/Model: XT-FWY001

技术参数

型号 Model	XT-FWY001	轴数 Number of axes	8轴 8 axes
适用线径 Minimum wire diameter	最大: 4mmx14mm 最小: 0.3mmx0.5mm Max: 4mmx14mm Min: 0.3mmx0.5mm	电源 power supply	380V±10% 50Hz
线圈高度 Coil height	≈125mm	气压 atmospheric pressure	>0.4Mpa
绕制线圈外径 Wound coil outer diameter	Φ25~Φ100mm	外形尺寸 Spindle positioning accuracy	(L) 2000X (W) 1550X (H) 2000mm

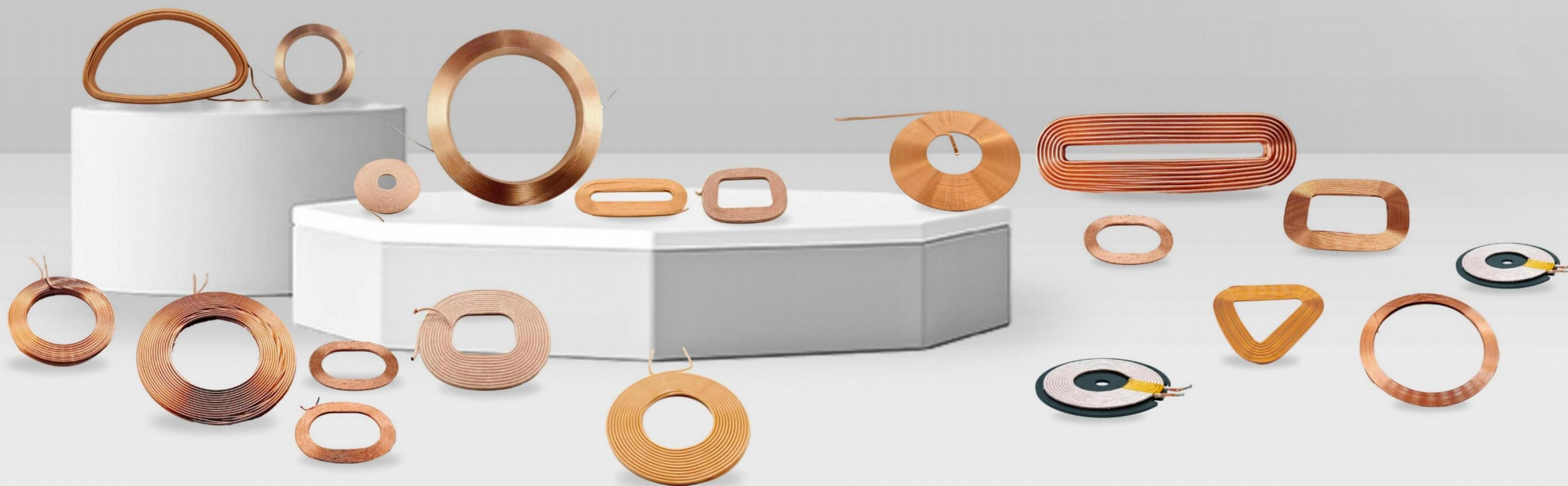
应用领域 Application areas

本机适用于扁平线圆形线圈，可客户需求做推脚整脚功能。

This machine is suitable for flat wire circular coil, and can be used to push the foot function according to customers.

空心线圈样品系列

Air core coil sample series



全自动阿尔法线圈绕线机

Fully automatic alpha coil winding machine

设备特点 Features

本绕线机设备采用先进的CNC运动控制器，运动控制器可执行高精度直线定位、寿命长等特点；可根据客户的需求设计绕制特殊线圈。

This winding machine equipment adopts advanced CNC motion controller, the motion controller can perform high-precision linear positioning, long life and other characteristics; Special coils can be designed and wound according to customer needs.

设备概述 Device overview

本设备是本公司专门为生产阿尔法方式线圈设计的一款新型机器，主要生产的线圈为无线充发射线圈及变压器其它类似的产品。

This equipment is a new type of machine specially designed by the company for the production of alpha coils, the main production coils are wireless charging transmission coils and transformers and other similar products.

全自动单轴音圈绕线机（拉伸整形）

Automatic single-axis voice coil winding machine (stretch shaping)

设备特点 Features

控制系统采用全中英文触摸屏接口；所采用金属材料都经过特殊化工工艺处理，延长了设备的使用寿命。机械运动部分全采用进口伺服马达和高精密滚珠丝杆；整机采用了安全设计，防止在操作过程中事故发生；设备可实现24h稳定、高效生产。兼容性强，能与全自动化生产线及无人车间兼容配套。

The control system adopts full Chinese and English touch screen interface; The metal materials used are treated with special processes to extend the service life of the equipment. The mechanical motion part adopts imported servo motor and high-precision ball screw; The whole machine adopts safety design to prevent accidents during operation; The equipment can achieve 24h stable and efficient production. Strong compatibility, compatible with fully automated production lines and unmanned workshops.

设备概述 Device overview

本机适用于各类异型音圈（方型、跑道型）。

This machine is suitable for all kinds of special-shaped voice coils (square type, runway type)

三层绝缘线
Three-layer insulated wire



型号/Model: XT-605D



异形线圈
Shaped coils



型号/Model: XT-601LS3

技术参数

型号 Model	XT-605D	引出线位置 Leader line position	可任意设定角度 The angle can be set arbitrarily
线径 Wire diameter	单根0.08-0.2mm，同时兼容多股线 Single 0.08-0.2mm, compatible with multiple strands	引出线长度 Leader length	60-100mm（特殊可定制） 60-100mm (special customizable)
线圈高度 Coil height	根据线径而定 Depending on the wire diameter	操控方式 Controls	触摸屏 touch screen
线圈外径 Coil outer diameter	≤φ60mm（特殊可定制） ≤φ60mm (special customizable)	电源 power supply	220V±10% 50Hz
产能 Capacity	350Pcs/h（以每层10圈，2层圆形为例） 350Pcs/h (10 turns per layer, 2 layers round as an example)	气压 atmospheric pressure	>0.6Mpa
控制轴数 Manipulate the number of axes	5轴 5 axes	外形尺寸 Form factor	(L) 1550X (W) 900X (H) 1720mm

应用领域 Application areas

无线充阿尔法线圈、变压器线圈等。

Wireless charging alpha coil, transformer coil, etc.

技术参数

型号 Model	XT-601LS3	外径 Wound coil outer diameter	φ1-φ60mm
控制方式 Control mode	触摸屏 touch screen	电源 power supply	220V±10% 50Hz
产量 yield	400Pcs/h（以每层15圈，2层为例） 400Pcs/h (15 turns per layer, 2 layers as an example)	气压 atmospheric pressure	>0.6Mpa
拉伸方式 Stretching method	伺服拉伸在整形 Servo stretching in shaping	引出线长度 Leader length	40-70mm（特殊治具除外，可任意设定角度） 40-70mm (except special fixtures, the angle can be set arbitrarily)
适用线径 Suitable wire diameter	0.015-0.18mm	外形尺寸 Form factor	(L) 980X (W) 500X (H) 150mm

应用领域 Application areas

手机喇叭、扬声器喇叭、151、1206、1609方形喇叭音圈、跑道型喇叭音圈。

Mobile phone speaker, speaker speaker, 151, 1206, 1609 square speaker voice coil, runway type speaker voice coil.

全自动无线充发射端线圈绕线机

Automatic wireless charging transmitter coil winding machine

设备特点 Features

控制系统采用全中英文触摸屏接口;所采用金属材料都经过特殊化工艺处理, 延长了设备的使用寿命; 机械运动部分全采用进口伺服马达和高精度滚珠丝杆; 整机采用了安全设计, 防止在操作过程中事故发生; 设备可实现开机24小时稳定、高效生产。兼容性强, 能与全自动化生产线及无人车间兼容配套。

The control system adopts full Chinese and English touch screen interface; The metal materials used have been treated by special processes, which prolongs the service life of the equipment; The mechanical motion part adopts imported servo motor and high-precision ball screw; The whole machine adopts safety design to prevent accidents during operation; The equipment can realize stable and efficient production within 24 hours of start-up. Strong compatibility, compatible with fully automated production lines and unmanned workshops.

设备概述 Device overview

本设备是参考国外同类产品, 结合国内线圈绕制生产工艺状况, 自行开发生产的一种单轴自动绕线机, 本机集中了机械、电子、气动技术于一身, 水准相对先进; 能可靠实现线圈产品的自动化绕制, 本设备是行业中效率最高的机型之一。

This equipment is a single-axis automatic winding machine developed and produced by reference to similar foreign products, combined with the domestic coil winding production process, the machine concentrates mechanical, electronic, pneumatic technology as one, the level is relatively advanced; Reliable automatic winding of coil products, this equipment is one of the most efficient models in the industry.

行业效率最高

The industry is the most efficient



型号/Model: XT-601D

技术参数

型号 Model	XT-601D	线径 Wire diameter	0.025-0.5mm (特殊可定制) 0.025-0.5mm (special can be customized)
产能 Capacity	800-1000Pcs/h	线圈外径 Coil outer diameter	特殊可定制 special customizable
操控方式 Controls	触摸屏 touch screen	电源 power supply	220V±10% 50Hz
线圈固化方式 Coil curing method	预热治具烘干 Preheat the fixture to dry	气压 atmospheric pressure	>0.6Mpa
绕制线圈外径 Wound coil outer diameter	0.3-60mm	外形尺寸 Spindle positioning accuracy	(L) 980X (W) 500X (H) 1500mm

应用领域 Application areas

无线充电发射端线圈、多股线圈、接收端线圈等。

Wireless charging receiver coil, multi-strand coil, transmitter coil, etc.

全自动无线充接收端线圈绕线机

Automatic wireless charging receiver coil winding machine

设备特点 Features

该设备精度高、模具之间平面高度达到0.01mm, 产品厚度公差达到0.01mm; 采用立式绕线方式, 多组线同时进线, 多组线进线可并线, 多组线自动进线、自动绕线、自动切线、自动下料; 设备采用先进的多轴运动控制器, 运动控制器可执行高精度直线定位, 圆弧插补定位、根据不同产品要求, 程序可自编。

The equipment has high precision, the plane height between the molds reaches 0.01mm, and the product thickness tolerance reaches +0.01mm; Vertical winding method, multiple groups of lines enter at the same time, multiple groups of lines can be paralleled, multiple groups of lines automatically enter, automatic winding, automatic tangent, automatic unloading; The equipment adopts advanced multi-axis motion controller, the motion controller can perform high-precision linear positioning, arc interpolation positioning, according to different product requirements, the program can be self-compiled.

设备概述 Device overview

本设备是公司专门为无线充电接收端设计的一款新型机器, 可针对目前市场上各种无线充电线圈进行绕线。满足线圈自动化生产的同时, 效率较同类产品有显著提升。如多根漆包线并绕产能每小时可达60-120Pcs/h。

This equipment is a new type of machine specially designed by the company for the wireless charging receiver, which can be wound for various wireless charging coils currently on the market. While meeting the automatic production of coils, the efficiency is significantly improved compared with similar products. For example, the capacity of multiple enameled wires can reach 60-120Pcs/h per hour.

高精度

High precision



型号/Model: XT-601ST

技术参数

型号 Model	XT-601ST	线径 Wire diameter	0.1-0.3mm (特殊可定制) 0.1-0.3mm (special can be customized)
产能 Capacity	60-120Pcs/h	线圈外径 Coil outer diameter	≤50mm (特殊可定制) ≤50mm (special customizable)
操控方式 Controls	触摸屏 touch screen	电源 power supply	220V±10% 50Hz
控制轴数 Manipulate the number of axes	6轴 6 axes	气压 atmospheric pressure	>0.6Mpa
线圈固化方式 Coil curing method	通过电加热或者热风加热进行固化 Curing by electric heating or hot air heating	外形尺寸 Spindle positioning accuracy	(L) 1150X (W) 1400X (H) 1820mm

应用领域 Application areas

手机内置无线充电线圈。

The phone has a built-in wireless charging coil.

电声设备样品系列

Electroacoustic equipment sample series



配合音膜组合使用
降低辅料成本

Use in combination with
sound membrane
Reduce the cost of excipients



型号/Model: XT-606HX001

设备特点 Features

使用常规胶水的自然干燥方法，不使用UV胶和紫外线灯，大幅度降低喇叭的辅料成本；自动折弯线，精准点胶，弧度外观漂亮，一致性好；划线弧度长，140度以上，而且铜线和音膜的高低弧面完全贴合，有助延长喇叭寿命时间；胶量少而且胶量精准稳定，有助提高喇叭频响曲线的一致性和喇叭的灵敏度；使用圆盘式12工位，治具数量少，而且大小治具的互换性强，大幅度降低更换治具的成本；全自动上下料，完全没有人工介入；产能1500pcs/h*24小时。

The natural drying method of conventional glue is used, and UV glue and ultraviolet lamp are not used, which greatly reduces the cost of auxiliary materials for speakers; Automatic bending line, accurate dispensing, beautiful curve appearance, good consistency; The arc of the scribing line is long, more than 140 degrees, and the high and low arcs of the copper wire and the sound film are fully fitted, which helps to extend the life time of the speaker; The amount of glue is small and the amount of glue is accurate and stable, which helps to improve the consistency of the horn frequency response curve and the sensitivity of the horn; The use of disc type 12 stations, the number of fixtures is small, and the interchangeability of large and small fixtures is strong, which greatly reduces the cost of replacing fixtures; Fully automatic loading and unloading, no manual intervention at all; The production capacity is 1500pcs/h*24 hours.

设备概述 Device overview

用于喇叭的音圈引出线和音膜以一定形状，用胶水粘合在一起的全自动化划线机器。

A fully automated scribing machine for the voice coil lead wire and sound membrane for speakers in a certain shape and glued together.

应用领域 Application areas

手机喇叭，耳机喇叭，玩具喇叭等微型喇叭的全自动音膜划线。

Fully automatic sound film scribing of mobile phone speakers, headphone speakers, toy speakers and other micro speakers.



技术参数

型号 Model	XT-606HX001	稼动率 Excessive time	85%以上 More than 85%
良品率 Wire diameter	> 98%	电源 power supply	220V±10% 50Hz
产量 Axis spacing	1500Pcs/h	气压 atmospheric pressure	> 0.6Mpa
总功率 Number of axes	6KW	外形尺寸 Form factor	(L) 1630X (W) 1200X (H) 1800mm

全自动音膜组合绕线机

Automatic audio membrane combination winding machine

设备特点 Features

控制系统采用全中英文触摸屏接口；所采用金属材料都经过特殊化工工艺处理，有效延长了设备的使用寿命。机械运动部分全采用进口伺服马达和高精度滚珠丝杆；整机采用安全设计，防止在操作过程中事故发生；设备可实现开机24小时稳定、高效生产、兼容性强，能与全自动化生产线及无人车间兼容配套。膜片供料采用多工位供料槽。长时间无需加料，随时补充不停机等特点，膜片都可以达到单片上料，不会对后工位影响。节省人工3-4人。

The control system adopts full Chinese and English touch screen interface; The metal materials used are treated by special processes, which effectively prolong the service life of the equipment. The mechanical motion part adopts imported servo motor and high-precision ball screw; The whole machine adopts safety design to prevent accidents during operation: the equipment can achieve 24-hour stable start-up, efficient production, strong compatibility, and can be compatible with fully automated production lines and unmanned workshops. The diaphragm feeding adopts a multi-station feeding chute. Without feeding for a long time, and replenishing at any time without stopping and other characteristics, the diaphragm can achieve single-piece feeding, which will not affect the rear station. Save 3-4 people.

设备概述 Device overview

本机是音圈和膜片组装粘合（音膜组合）专用机型，可绕制醇溶和热风两种漆包线材。主要应用于音圈与膜片组合绕制，自动化程度高。

This machine is a special model for voice coil and diaphragm assembly bonding (sound film combination), which can wind two kinds of enameled wire, alcohol-soluble and hot air. It is mainly used in the combination of voice coil and diaphragm Winding, high degree of automation.



技术参数

型号 Model	XT-606MD	适用线径 Suitable wire diameter	0.02-0.15mm
控制方式 Control mode	触摸屏 touch screen	膜片外径 Diaphragm outer diameter	€6-€48
产量 yield	1800-2000pcs (62圈为例) 1800-2000pcs (62 laps as an example)	膜片厚度 Diaphragm thickness	≥0.006mm
总功率 Total power	约3.5KW Approx. 3.5 KW	电源 power supply	220V±10% 50Hz
线圈高度 Coil height	≤15mm	气压 atmospheric pressure	>0.6Mpa
线圈外径 Coil outer diameter	≤€20mm	外形尺寸 Form factor	(L) 1800X (W) 1900X (H) 880mm

应用领域 Application areas

头戴式耳机音膜，入耳式耳机音膜，真无线蓝牙耳机音膜，安防喇叭音膜，受话器等音膜音圈组合。

Over-ear earphone sound diaphragm, in-ear earphone sound membrane, true wireless Bluetooth headset sound membrane, security speaker sound membrane, receiver and other audio membrane voice coil combination.

全自动六轴音圈绕线机

Fully automatic six-axis voice coil winding machine

设备特点 Features

控制系统采用全中英文触摸屏接口，机械操作部分设计合理，所采用金属材料都经过特殊化工工艺处理，机械运动部分全采用进口伺服马达和高精度滚珠丝杆，进口轴承保证了产品的高效率和高精度；真正做到实现开机24小时稳定，高效生产。能与全自动化生产线及无人车间兼容配套。绕线方式为主轴飞叉绕线，六工位旋转剪线，退模。本机是行业中最高效的机型，每小时按30圈左右计算产量可在2600Pcs/h左右。

The control system adopts full Chinese and English touch screen interface, the mechanical operation part is reasonably designed, the metal materials used are treated by special processes, the mechanical motion part adopts imported servo motor and high-precision ball screw, and the imported bearings ensure the high efficiency and high precision of the product; Truly achieve 24-hour stable and efficient production. It can be compatible with fully automated production lines and unmanned workshops. The winding method is to wind the spindle flying fork, rotate the wire cutting at six stations, and withdraw the mold. This machine is the most efficient model in the industry, and the output can be about 2600Pcs/h according to about 30 revolutions per hour.

设备概述 Device overview

本机是空心音圈专用机型，可绕制醇溶和热风两种漆包线材。手动上料也可以做一股骨架音圈的绕制。

This machine is a special model for hollow voice coils, which can wind two kinds of enameled wires: alcohol-soluble and hot air. Manual feeding can also do the winding of general skeleton voice coils.



技术参数

型号 Model	XT-606	电源 power supply	220V±10% 50Hz
控制轴数 Controls the number of axes	4轴 4 axes	气压 atmospheric pressure	>0.6Mpa
烤箱 oven	1Pcs	产量 yield	2600pcs/h (按30圈左右计算) 3000pcs/h (calculated as about 30 turns)
机器重量 Machine weight	290KG	外形尺寸 Form factor	(L) 1600X (W) 1360X (H) 680mm

应用领域 Application areas

耳机喇叭、手机喇叭、玩具喇叭等。

Headphone speakers, mobile phone speakers, toy speakers, etc.

全自动大单轴空心线圈绕线机

Automatic large single-shaft air core coil winding machine

设备特点 Features

控制系统采用全中英文触摸屏接口;所采用金属材料都经过特殊化工工艺处理延长了设备的使用寿命。机械运动部分全采用进口伺服马达和高精度滚珠丝杆,整机采用安全设计,防止在操作过程中事故发生;设备可实现开机24小时稳定、高效生产。兼容性强,能与全自动化生产线及无人车间兼容配套。

The control system adopts full Chinese and English touch screen interface; The metal materials used are treated with special processes to extend the service life of the equipment. The mechanical motion part adopts imported servo motor and high-precision ball screw, and the whole machine adopts safety design to prevent accidents during operation; The equipment can realize stable and efficient production within 24 hours of start-up. Strong compatibility, compatible with fully automated production lines and unmanned workshops.

设备概述 Device overview

本设备是参考国外同类产品,结合国内线圈绕制生产工艺状况,自行开发生产的一种单轴自动绕线机。本机集中了机械,电子、气动技术为一体,能可靠实现线圈产品的自动化绕制。相对于XT-601S,本款机型主要针对对外径较大的空心线圈。

This equipment is a single-axis automatic winding machine developed and produced by reference to similar foreign products, combined with the domestic coil winding production process. This machine integrates mechanical, electronic and pneumatic technology, which can reliably realize the automatic winding of coil products. Compared to the XT-601S, this model is mainly aimed at air coils with a large outer diameter.

链接生产线
节省3-4人
Link production lines
Save 3-4 people



型号/Model: XT-601SD



技术参数

型号 Model	XT-601SD	绕制线圈高度 Winding coil height	≤25 0.5Mpa or more
控制方式 Control mode	触摸屏 touch screen	外径 Outside diameter	10-200mm
产量 yield	常规线圈150-500Pcs/h (不同产品技术规格产能不同) Conventional coil: 150-500Pcs/h (different product specifications and production capacity are different)	适用线径 Suitable wire diameter	0.06-0.8mm (可定制) 0.06-0.8mm (customizable)
电源 power supply	220V±10% 50Hz	线圈引出线长度 Coil outer diameter	50-70mm (特殊治具除外) 50-70mm (except special fixtures)
气压 atmospheric pressure	>0.6Mpa	外形尺寸 Form factor	(L) 1180X (W) 800X (H) 1700mm

应用领域 Application areas

用于各类型产品,激光头线圈、硬盘线圈、IC卡线圈、产品标签线圈、读写卡线圈、传感器线圈、振动马达线圈;及各种高精密异形线圈、贴片型线圈、多线并绕线圈、汽车离合器、水能仪表等。

Used in various types of products, laser head coil, hard disk coil, IC card coil, product label coil, reading card coil, sensor coil, vibration motor coil; and various high-precision special-shaped coils, SMD coils, multi-wire parallel winding coils, automotive clutches, water energy instruments, etc.

全自动引线控线绕线机

Automatic lead control winding machine

设备特点 Features

本系列绕线机设备采用先进的高精度运动控制器,运动控制器可执行高精度直线定位。圆弧插补定位、寿命长、程序可编等特点保证了产品的高效率和高精度,形变小,提升了产品品质;可根据客户的需求设计绕特殊线圈。

This series of winding machine equipment adopts advanced high-precision motion controller, and the motion controller can perform high-precision linear positioning. The characteristics of arc interpolation positioning, long life, and programmable can be programmed ensure the high efficiency and high precision of the product, and the deformation is small, which improves the product quality; Special coils can be designed according to customer needs.

设备概述 Device overview

本系列设备是本公司专门为全自动生产线提供可控线圈引线的一款全自动高精密绕线机。采用自动绕线、自动取料、自动拉伸、自动翻面、自动弯引线弧度,自动放入治具、自动收取废料、大大提高全自动生产效能。

This series of equipment is a fully automatic high-precision winding machine specially designed to provide controllable coil leads for automatic production lines. Automatic winding, automatic material taking, automatic stretching, automatic turning and automatic bending of the lead arc are adopted to automatically put in the fixture and automatically collect waste, greatly improving the automatic production efficiency.

无缝连接
全自动生产线
Seamless connection to fully
automated production lines



型号/Model: XT-818



技术参数

型号 Model	XT-818	电源 power supply	220V±10% 50Hz
控制方式 Control mode	触摸屏 touch screen	气压 atmospheric pressure	>0.6Mpa
产量 yield	300-500Pcs/h (4层 15圈为例) 300-500Pcs/h (4 layers 15 laps for example)	引出线 Pinouts	可定制 customizable
线圈高度 Coil height	≤8mm	线圈外径 Coil outer diameter	可定制 customizable
线径 Wire diameter	0.018-0.2mm	外形尺寸 Form factor	(L) 1800X (W) 1900X (H) 880mm

应用领域 Application areas

1511、1206、1506、1609喇叭音圈、空心线圈、异形线圈,适用于全自动组装配套生产线。

1511, 1206, 1506, 1609 speaker voice coil, air core coil, special-shaped coil, suitable for automatic assembly supporting production line.

全自动骨架音圈绕线机

Automatic skeleton voice coil winding machine

设备特点 Features

本机是骨架音圈专用机型，采用飞叉绕线，六工位旋转剪线，产能可达2000pcs/小时（30圈）；提高生产效率，提升产品品质，节省3-4人工成本，热风绕制产品不用再烘烤；

This machine is a special model for skeleton voice coil, using flying fork winding, six-station rotary wire cutting, and the capacity can reach 2000pcs/hour (30 turns); Improve production efficiency, improve product quality, save 3-4 labor costs, hot air winding products do not need to be baked;

设备概述 Device overview

本机是骨架音圈专用机型，可绕制醇溶和热风两种漆包线材。关掉骨架部分也可以用于空心音圈的绕制。采用主轴飞叉绕线方式，六工位旋转剪线，退模。本机是行业中最高效的机型，每小时按30圈左右计算产量可在2000pcs/ This machine is a special model for skeleton voice coil, which can wind two kinds of enameled wire, alcohol-soluble and hot air. Turning off the skeleton part can also be used for winding hollow voice coils. The spindle flying fork winding method is adopted, and the six-station rotation cuts the wire and withdraws the mold. This machine is the most efficient model in the industry, and the output can be about 2000pcs/hour calculated according to about 30 revolutions per hour.

节省3-4人力
Save 3-4 manpower



型号/Model: XT-609

技术参数

型号 Model	XT-609	温度 temperature	0-700℃
适用线径 Suitable wire diameter	0.02-0.15mm	电源 power supply	220V±10% 50Hz
旋转方式 Rotation method	6工位 6 stations	气压 atmospheric pressure	>0.6Mpa
控制方式 Control mode	触摸屏 touch screen	产量 yield	2000Pcs/h (每层15圈, 2层为例) 2000Pcs/h (15 turns per layer, 2 layers as an example)
控制轴数 Controls the number of axes	3轴 3 axes	外形尺寸 Form factor	(L) 1360X (W) 7500X (H) 1560mm

应用领域 Application areas

纸管、胶管喇叭音圈、腔体喇叭音圈、蓝牙音响。

Paper tube, hose speaker voice coil, cavity speaker voice coil, Bluetooth speaker.

全自动磁路组装设备(单磁、三磁、五磁)

Automatic magnetic circuit assembly equipment (three-magnetic, five-magnetic)

设备特点 Features

本机是手机喇叭全自动磁路组装机，每个治具安装两个产品的组装方式，适用厌氧胶和AB胶，机器还集合了自动放料、磁铁充磁、CCD检测点胶、CCD同心度检测、剪切力检测、不良品清理、成品装盘等功能。机器稼动率95%以上，良品率99%以上，每小时可生产3000-5000个产品，生产效率高，在替代人工方面优势突出。

This machine is mobile phone speaker automatic magnetic circuit assembly machine, each fixture installation two products assembly method, suitable for anaerobic glue and AB glue, the machine also integrates automatic discharge, magnet magnetization, CCD detection dispensing, CCD concentricity detection, shear force detection, defective product cleaning, finished product loading and other functions, machine yield rate of more than 95%, yield rate of more than 99%, can produce 3000-5000 products per hour, high production efficiency, outstanding advantages in replacing labor.

设备概述 Device overview

系统采用CNC触摸屏全中英文界面，操作简便培训简单，智能型监控节约成本可连续24小时生产，能与全自动化生产线及无人车间兼容配套。采用全伺服马达及高精度研磨丝杆控制，高效率、高精度，属行业高产机型；（可根据客户的需求设计绕特殊线圈）。

The system adopts CNC touch film screen full Chinese and English interface, easy operation, simple training, intelligent monitoring and cost saving, continuous 24-hour production, and can be compatible with fully automated production lines and unmanned workshops. It adopts full servo motor and high-precision grinding screw control, high efficiency and high precision, which is a high-yield model in the industry; (Special coils can be designed according to customer needs).

稳定高效
Stable and efficient



型号/Model: XT-Q600



技术参数

型号 Model	XT-Q600	电源 power supply	220V±10% 50Hz
消耗功率 Power consumption	约3-5KW/h About 3-5KW/h	气压 atmospheric pressure	>0.6Mpa
控制系统 Control system	触摸屏+多轴运动控制卡 Touch screen + multi-axis motion control card	点胶控制系统 Dispensing control system	4-8套 4-8 sets
伺服电机 Servo motors	2套 2 sets	精密振动盘 Precision vibrating plate	3-5套 3-5 sets
充磁机 Magnetizer	根据实际生产配置1-5台 According to the actual production configuration: 1-5 units	机械臂 Robotic arm	多套 Multiple sets
烘烤箱 Roaster	1套 2 sets	外形尺寸 Spindle positioning accuracy	(L) 3000X (W) 1500X (H) 1750mm

应用领域 Application areas

应用于喇叭磁路组装。

It is used in horn magnetic circuit assembly.

全自动音膜成型自动组装机

Automatic assembly line for automatic sound film molding

设备特点 Features

节省人工、提高效率，本机效率:1400-1600Pcs/h。保证音膜成型质量。降低产品生产成本，提高产品竞争力。

Save labor, improve efficiency, machine efficiency: 1400-1600PCS/H. Ensure the quality of sound film molding. Reduce product production costs and improve product competitiveness.

设备概述 Device overview

本条自动线主要用于膜片生产、加工，可制作膜片上的花纹。主要分为模压成型部分、移送部分、切膜部分。制造好的膜片按规定的尺寸裁剪好，本机自动化程度高，可二十四小时不间断开机。适用于各类喇叭膜片。

This automatic line is mainly used for diaphragm production and processing, and can make patterns on diaphragms. It is mainly divided into molding part, transfer part, and film cutting part. The manufactured diaphragm is cut according to the specified size, the machine has a high degree of automation, and can be turned on 24 hours a day. Suitable for all kinds of speaker diaphragms.

降低成本
节省人力

Reduce costs
Save manpower



型号/Model: XT-YM301

技术参数

型号 Model	XT-YM301	总功率 Total power	26KW
良品率 Yield rate	>98%	电源 power supply	220V±10% 50Hz
产能 Capacity	1400-1600Pcs/h	气压 atmospheric pressure	>0.6Mpa
稼动率 Utilization rate	90%以上	外形尺寸 Form factor	(L) 6382.3X (W) 970.8X (H) 1867.6mm

应用领域 Application areas

该设备主要用于喇叭、扬声器膜片成型。

The equipment is mainly used for speaker and speaker diaphragm molding.

全自动手机/耳机喇叭组装生产线

Fully automatic mobile phone/headphone speaker assembly production line

设备特点 Features

本自动线采用单穴式高精度工装，高速三轴打胶模组(用THK丝杆、导轨，松下伺服电机制作，可用手柄调试)，美国泰康螺杆阀，SMC气动元件，基恩士CCD，广州微点焊电焊机，上海悦威UV炉，松下传感器，米思米的精定位件，能有效保证产品品质和线体的稳定性。自动化程度高，性能稳定，可节省人30人左右。

This automatic line adopts single-cavity high-precision tooling, high-speed three-axis gluing module (made of THK screw, guide rail, Panasonic servo motor, can be debugged with handle), American Taikang screw valve, SMC pneumatic components, Keyence CCD, Guangzhou micro spot welding electric welding machine, Shanghai Yuewei UV furnace, Panasonic sensor, Mismi precision positioning parts, can effectively ensure product quality and the stability of the line body. High degree of automation, stable performance, can save about 30 labor.

设备概述 Device overview

该机器能实现手机喇叭的全自动组装，减少人工成本，提高产品品质。可与绕线机对接，实现绕线粘膜片、磁路组装(包含单磁、三磁和五磁)、支架组装。该设备带有CCD工位、测电阻工位、测高工位，实现全自动检测。

The machine can realize the fully automatic assembly of mobile phone speakers, reduce labor costs and improve product quality. It can be docked with the winding machine to realize the winding mucosal sheet, magnetic circuit assembly (including single magnetic, triple magnetic and five magnetic), bracket assembly. The equipment is equipped with CCD station, resistance measuring station, and height measuring station to achieve automatic detection.

节省30人以上

Save more than 30 people



型号/Model: XT-1511



技术参数

型号 Model	XT-1511	总功率 Total power	18KW
产能 Capacity	2000Pcs/h	电源 power supply	220V±10% 50Hz
良品率 Yield rate	>97%	气压 atmospheric pressure	>0.6Mpa
稼动率 Utilization rate	>85%	外形尺寸 Spindle positioning accuracy	(L) 11600X (W) 900X (H) 1900mm

应用领域 Application areas

适用于1206、1506、1511、1609、1712、1813、0809等各种扬声器和受话器。

Suitable for 1206, 1506, 1511, 1609, 1712, 1813, 0809 and other speakers and receivers.



型号/Model: XT-606MDS

设备概述 Device overview

该设备应用于耳机喇叭组装，将U壳成品充磁之后和音圈膜片对接，再进行上盖操作并配合打胶，从而达到了耳机喇叭自动组装。

The equipment is used in the assembly of headphone speakers, and the finished U shell is magnetized and docked with the voice coil diaphragm, and then the upper cover operation is carried out and glued with glue, so as to achieve the automatic assembly of the headphone speaker.

应用领域 Application areas

入耳式耳机喇叭。
In-ear headphone speakers.

节省3-5人
Save 3-5 people



设备特点 Features

U壳成品充磁后和音圈膜片对接，打胶，达成耳机自动组装，采用CCD膜片捕捉系统，12位高精度分割器，定制充磁台；取料、下料自动完成，节省3-5人工成本；可对接本公司全自动音膜组合绕线机使用；

After the U shell is magnetized, it is docked with the voice coil diaphragm, glued, and the headphones are automatically assembled, using CCD diaphragm capture system, 12-bit high-precision splitter, and customized magnetization stage; Picking and unloading are completed automatically, saving 3-5 labor costs; It can be docked with the company's automatic sound film combination winding machine;

技术参数

型号 Model	XT-606MDS	总功率 Total power	约3.5K Approx. 3.5K
控制方式 Control mode	触摸屏+电脑 Touch screen + computer	电源 power supply	220V±10% 50Hz
产量 yield	1200-1500Pcs/h	气压 atmospheric pressure	>0.6Mpa
良品率 Yield rate	>99.8%	外形尺寸 Form factor	(L) 1800X (W) 1900X (D) 880mm