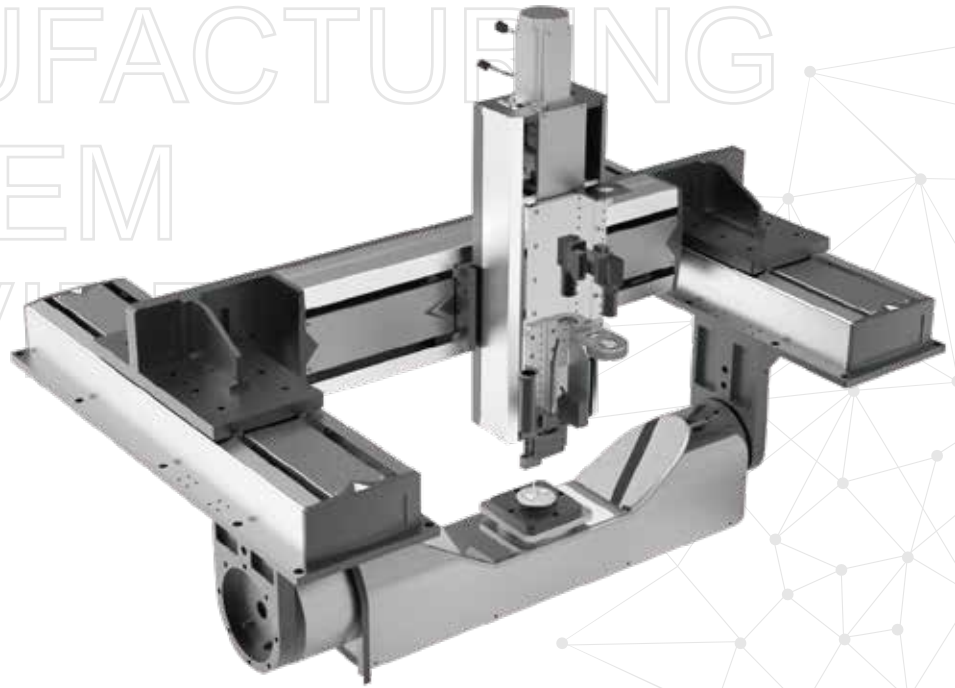




智能制造系统提供商

INTELLIGENT
MANUFACTURING
SYSTEM
PROVIDER



COMPREHENSIVE CATALOG OF DISPENSING EQUIPMENT

点胶设备综合型录

HIGH PRECISION / 精度高

HIGH EFFICIENCY / 效率高

GOOD PERFORMANCE / 性能好



深圳市艾姆克斯科技有限公司 Shenzhen Aimkse Techonology Co,LTD

深圳市艾姆克斯科技有限公司成立于 2015 年，专注智能制造领域，是一家集研发，生产、销售一体的国家高新技术企业，智能制造系统提供商，旗下控股有东莞市东涛实业有限公司和湖北东涛实业有限公司两家全资子公司。公司拥有数字化高速高精运动系统、高水平直驱技术和多轴联动数控系统三大技术平台，率先研发出直驱五轴联动数控加工中心、直驱五轴精雕机、五轴联动点胶机，属国内首创，填补市场空白。公司其它主要产品还包括高精度直线电机、DD 马达、智能检测循环线系统、五轴激光机、智能全自动组装平台等。艾姆克斯致力于为客户创造价值，秉承“闯”“创”“干”精神，持续创新，以自动化、数字化、智能化为核心，从实际产业需求出发，提供技术先进、性能卓越的产品，打破国际垄断，实现国产替代，为全球制造企业提供专业完善且超高性价比的智能制造系统方案。

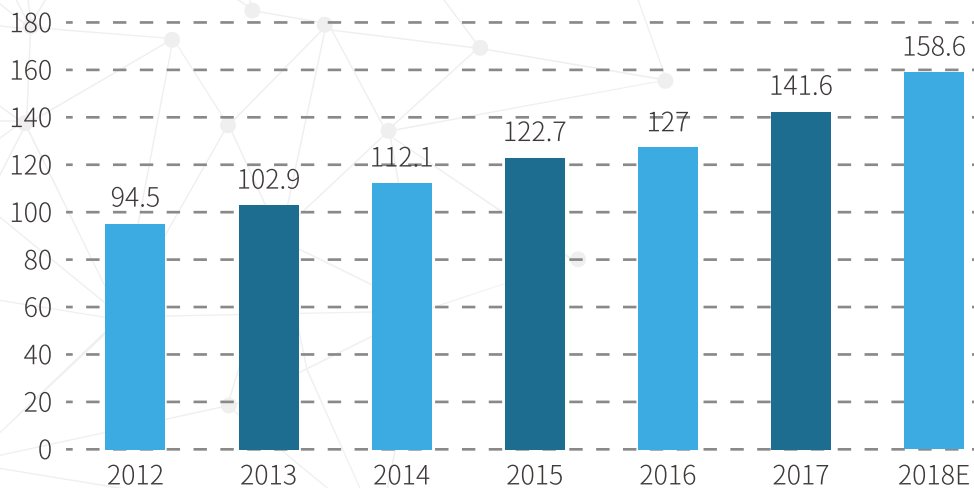
Shenzhen Aimkse Technology Co.Ltd. was founded in 2015, focusing on the field of intelligent manufacturing, it is a R&D, production, sales in one of the national high-tech enterprises and intelligent manufacturing system provider, and holdings are Dongguan Dongtao Industrial Co., Ltd. and Hubei Dongtao Industrial Co., Ltd. two wholly-owned subsidiaries. Aimkes has three technology platforms: digital high-speed and high precision motion system, high level direct drive technology and multi-axis linkage CNC system, it is the first to develop direct drive five-axis linkage CNC machining center, direct drive five-axis precision engraving machine and five-axis linkage dispensing machine, which is the first in China and fills the market gap. Aimkes's other main products include high precision linear motor, DD motor, intelligent detection cycle line system, five axis laser machine, intelligent automatic assembly platform, etc. Aimkes is committed to creating value for customers, adhering to the spirit of "break though", "innovation" and "hard work", the company continues to innovate, from the actual needs of the industry, to provide advanced technology, excellent performance products, breaking international monopolies, achieving domestic substitution, and providing professional, comprehensive, and highly cost-effective intelligent manufacturing system solutions to global manufacturing enterprises.

THE ELECTRONIC AUTOMOTIVE INDUSTRY IS DEVELOPING RAPIDLY, DISPENSING MACHINE MARKET PROSPECT ARE BROAD

电子汽车产业迅猛发展 点胶机市场前景广阔

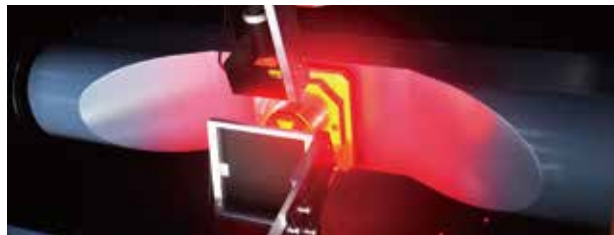
市场前景/Market prospect

自动点胶机在国内市场的自动应用已成为国家高新技术发展计划的一项重要发展规划，被列为智能自动化设备支持技术，因为它涉及国家安全、国防建设、高科技产业化和技术前沿的发展，这将提升了全自动点胶机的高战略地位。近年来，国内汽车、半导体等产业正处于快速发展时期且其发展受国家政策大力支持，而自动点胶机作为汽车、电子与集成电路重要生产设备，其市场需求不断增加；从消费性电子行业的市场份额来看，随着人们对智能手机、平板电脑、可穿戴设备等移动终端需求不断扩大，国内点胶机市场前景广阔。



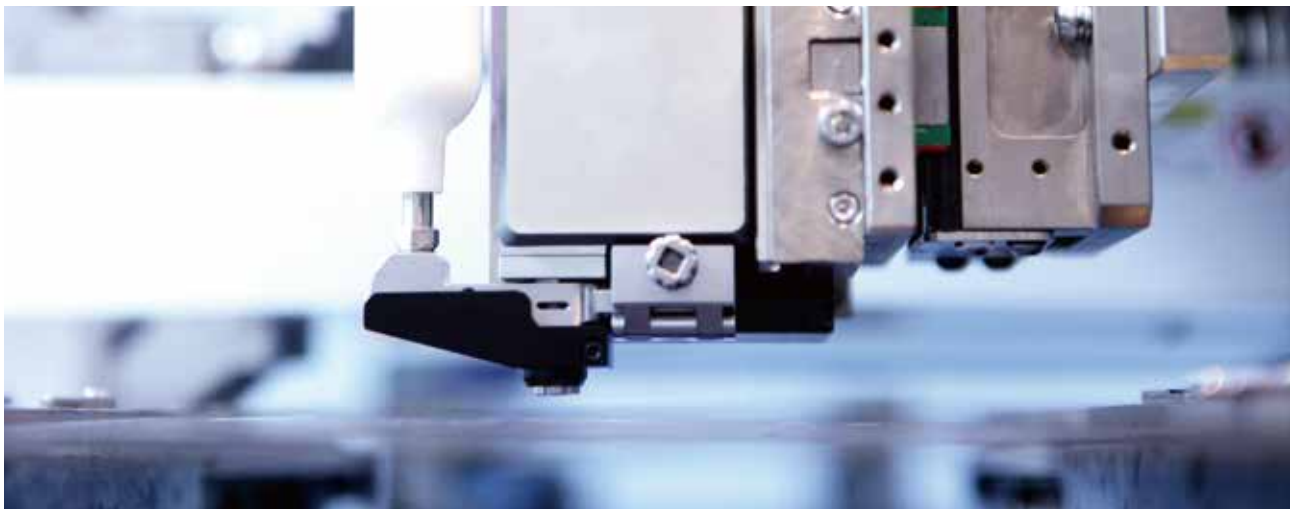
中国调胶机市场规模：亿元
China dispensing machine market size: hundred million yuan

*2012-2019 年中国点胶机市场规模分析预测
*2012 to 2019 China dispensing machine market size analysis forecast



The automatic application of dispensing machines in the domestic market has become an important development plan under the national high-tech development program. It is listed as a supported technology for intelligent automation equipment because it involves national security, defense construction, high-tech industrialization, and the development of cutting-edge technology. This will raise the strategic status of fully automatic dispensing machines.

In recent years, the domestic automobile and semiconductor industries have been in a period of rapid development, and their development is heavily supported by national policies. As important production equipment for the automotive, electronics, and integrated circuit industries, the market demand for automatic dispensing machines continues to increase. Considering the market share in the consumer electronics industry, the prospects for the domestic dispensing machine market are broad, as the demand for mobile terminals such as smartphones, tablets, and wearable devices continues to expand.



DISPENSING MACHINE TECHNOLOGY AND EQUIPMENT

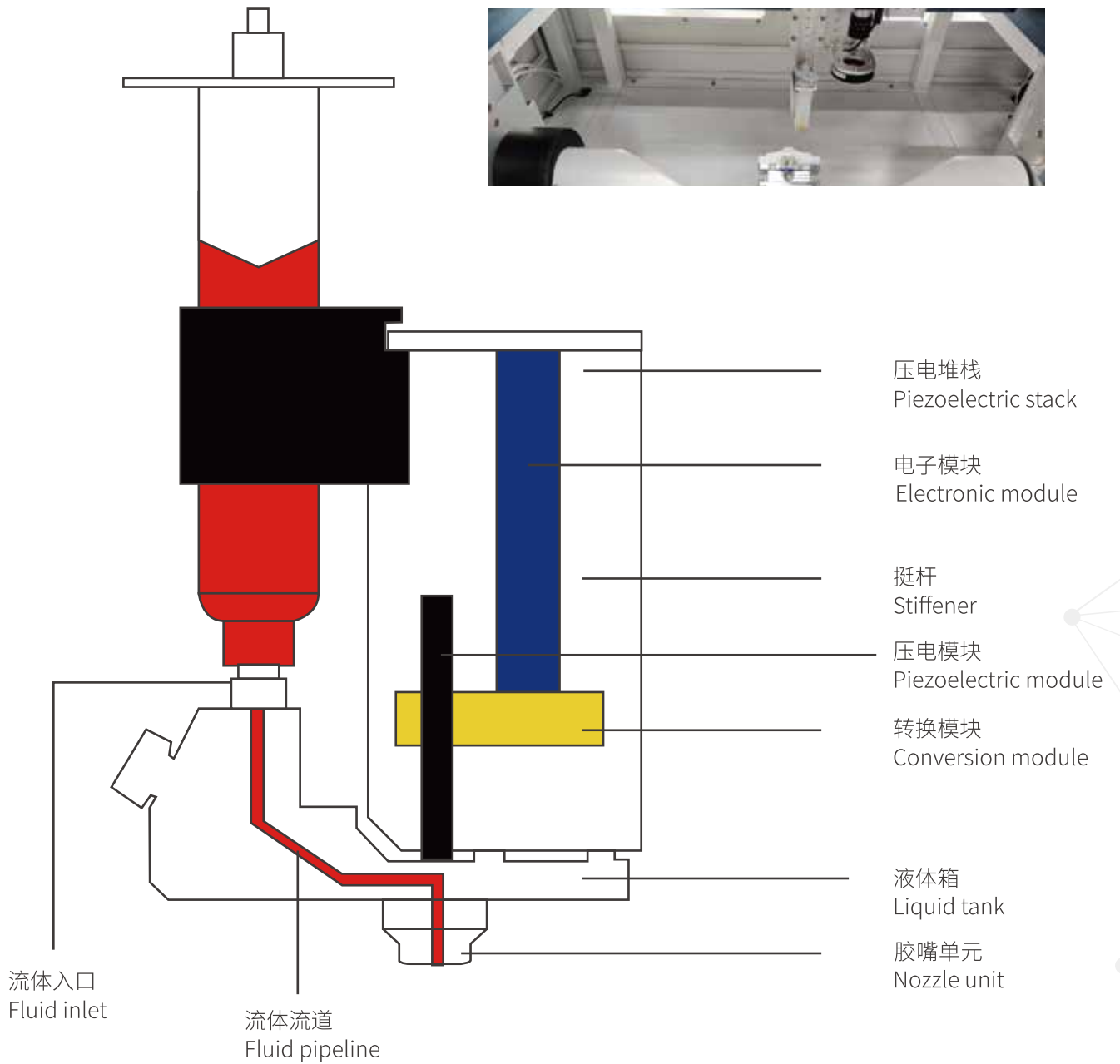
点胶机技术与装备

技术原理/Technical principles

点胶机又称涂胶机、滴胶机、打胶机、灌胶机等，专门对流体进行控制，并将流体点滴、涂覆于产品表面或产品内部的自动化机器，可实现三维、四维路径点胶，精确定位，精准控胶，不拉丝，不漏胶，不滴胶。点胶机主要用于产品工艺中的胶水、油漆以及其他液体精确点、注、涂、点滴到每个产品精确位置，可以用来实现打点、画线、圆型或弧型。

A dispensing machine, also known as a gluing machine, dripping machine, adhesive machine, or filling machine, is an automated device that controls the flow of fluid and dispenses or applies the fluid drops or coatings onto the surface or inside of products. It can achieve three-dimensional and four-dimensional dispensing, precise positioning, precise glue control, no wire drawing, no glue leakage, and no dripping. Dispensing machines are mainly used for the precise dotting, injection, coating, and dripping of adhesives, paints, and other liquids in product processes to achieve dotting, lining, circle or arc.





PRODUCT VARIETY PRECISION DISPENSING

产品多样化, 点胶精细化

五轴点胶技术/Five-axis dispensing machine technology

现代社会智能设备的进化日新月异, 就像公众的生活品质一样, 人们不再只追求功能上的满足, 而是越发渴望个性化。愈发复杂的形状意味着, 对点胶设备提出更高的要求, 需要应对更高的点胶精度!更灵活点胶角度!

The rapid evolution of intelligent devices in modern society is keeping pace with the improving quality of public life. People are no longer satisfied with just functional fulfillment, but are increasingly longing for personalization. The growing complexity of shapes implies higher requirements for dispensing equipment, including higher dispensing accuracy and more flexible dispensing angles!



传统需求的智能手机
Traditional demand for smartphones

↓
追求富有未来感形状的高端智能机
The pursuit of a futuristic shape of high-end smartphones

传统的汽车
Traditional car

↓
不只是代步工具
追求更炫酷的外观
更震撼的体验

It is not only a transportation tool, but also a more cool appearance and a more shocking experience.





首先，从点胶轨迹上，从传统的直线插补、圆形插补、曲线插补，全然进化为空间圆弧插补、空间椭圆插补、空间渐开线插补等；

第二，从产品工艺上，如今电子元器件向精细化发展，尺寸越来越紧凑，结构越来越复杂，原本简单的二维平面加工已无法满足；

第三，从点胶精度上来看，原本胶体线不小于 1MM，点胶精度在 0.1MM 以内就足够了，而如今胶体线变细（0.2MM 以内），点胶精度提升（点胶误差 0.02MM 内）；

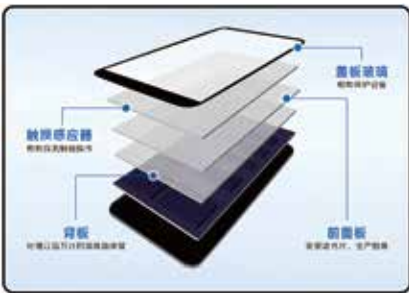
最后，由于点胶工艺需求的提升，促生了点胶设备结构的进化（三轴→五轴）。

Firstly, in terms of dispensing trajectories, the technology has evolved from the traditional linear interpolation, circular interpolation, and curve interpolation to spatial arc interpolation, spatial elliptical interpolation, and spatial involute interpolation.

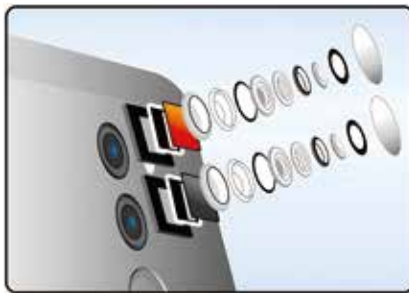
Secondly, from a product processing perspective, electronic components are evolving towards fine-grained designs. These components are becoming increasingly compact and complex, and simple 2D plane processing is no longer sufficient.

Thirdly, in terms of dispensing precision, the gel line used to be no less than 1mm, and dispensing accuracy within 0.1mm was generally acceptable. Nowadays, the gel line has become thinner (within 0.2mm) and dispensing accuracy has improved (within 0.02mm of dispensing error).

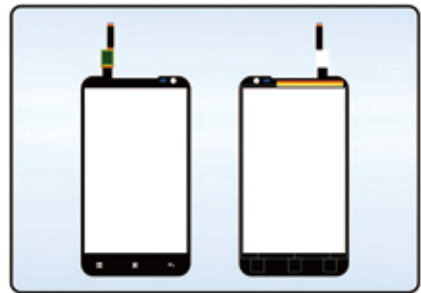
Finally, due to the increased demand for dispensing technology, the structure of dispensing equipment has evolved from three-axis to five-axis structures.



▶ 侧面边框点胶
Side frame edge bonding



▶ 摄像头模组点胶
Camera module dispensing



▶ 手机 TP 点胶
Mobile phone touch panel dispensing

360° FULL-DIMENSIONAL DISPENSING, LEADING TECHNOLOGY IN CHINA

360°全维度点胶, 国内领先技术

五轴联动点胶机/Five-axis linkage dispensing machine

艾姆克斯五轴联动点胶机科技含量高、精密度高, 专门用于加工复杂曲面的产品点胶, 对电源点胶、线路板点胶、电器点胶、元器件固定点胶、白硅胶点胶及粘度较大的白乳胶点胶等领域, 有着举足轻重的影响力。

Aimkse five-axis linkage dispensing machine is a kind of high technology content, high precision, specially used for the processing of complex curved surface product dispensing, it has a decisive influence in the industries of power dispensing, circuit board dispensing, dispensing of various electrical appliances, fixed dispensing of components, white silicagel dispensing, white latex dispensing with larger viscosity and so on.

首创技术, 行业领先 | Pioneering technology, industry-leading

艾姆克斯在国内率先推出五轴联动点胶机, 填补行业空白。五轴联动点胶机可完成 3D、曲面等复杂点胶, 是 AR/VR 生产组装的必要、主要设备, 是点胶机升级换代产品。

Aimkse took the lead in the domestic launch of five axis linkage dispensing machine to fill the gaps in the industry. The five-axis linkage dispensing machine is capable of completing complex dispensing such as 3D and curved surfaces. It is a necessary and main equipment for AR/VR production assembly and an upgraded product of dispensing machines

技术领先, 核心部件自主研发

Leading-edge technology and independent R&D of core components

直线轴定位精度可 $<3\mu\text{m}$, 重复定位精度 $<2\mu\text{m}$, 大幅领先竞品;

除点胶阀部分外购, 直线电机、摇篮、DD 马达、AI 视觉、五轴数控系统等核心部件全部自主研发生产。

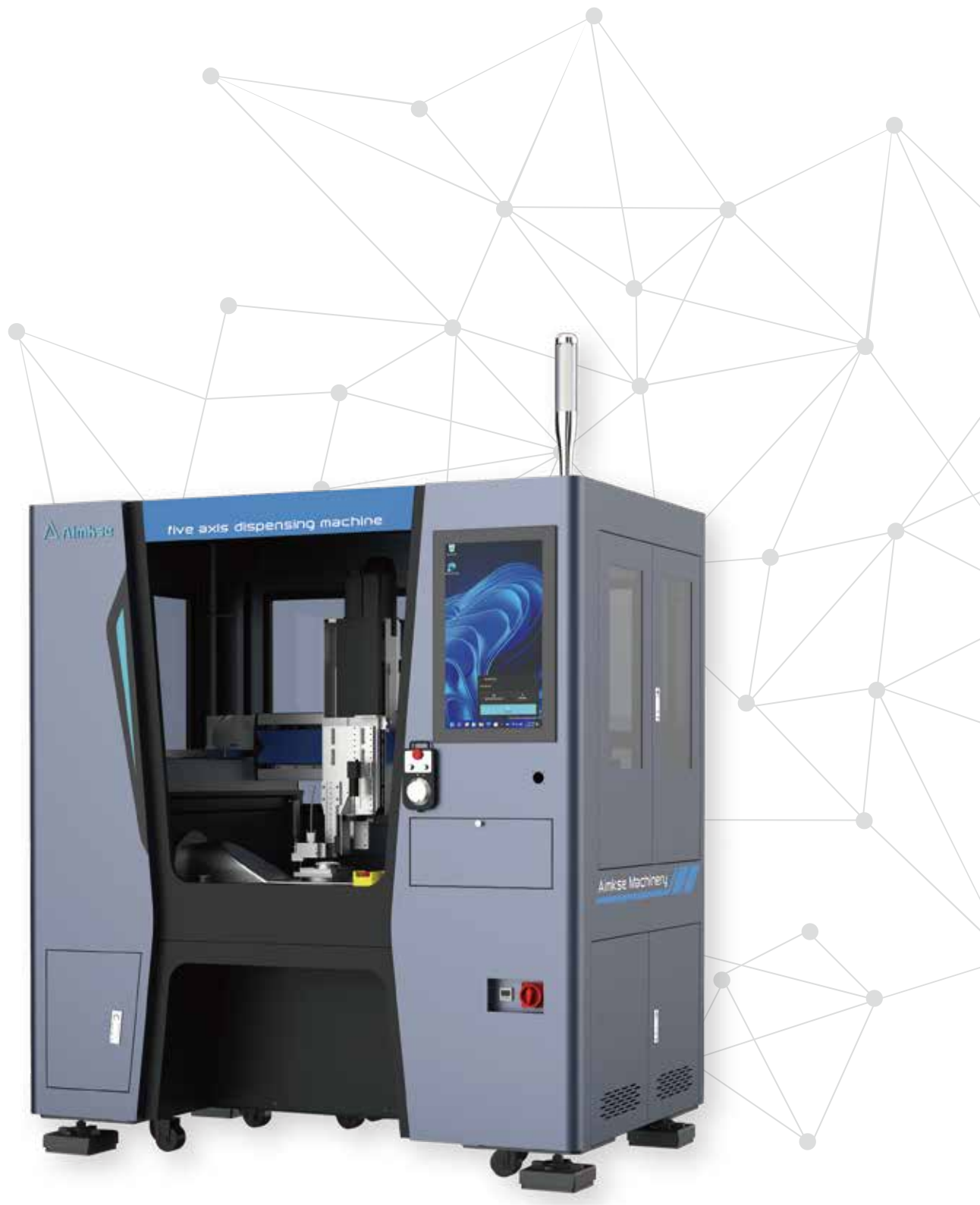
The positioning accuracy of the linear axis can be less than $3\mu\text{m}$, and the repeat positioning accuracy is less than $2\mu\text{m}$, which is significantly ahead of similar competitive products. Except for the dispensing valve which is outsourced, we have independently developed and produced all core components, including linear motors, cradles, DD motors, AI vision, and five-axis CNC systems.

点胶机+循环线系统, 构建智能组装平台

The dispensing machine and circulation pipeline system together form an intelligent assembly platform.

艾姆克斯除五轴联动点胶机外, 还包括双工位点胶机、龙门点胶机、CCS 线束自动 UV 固化点胶机等机型, 与循环线系统形成完整的以点胶工艺为核心的智能组装平台。

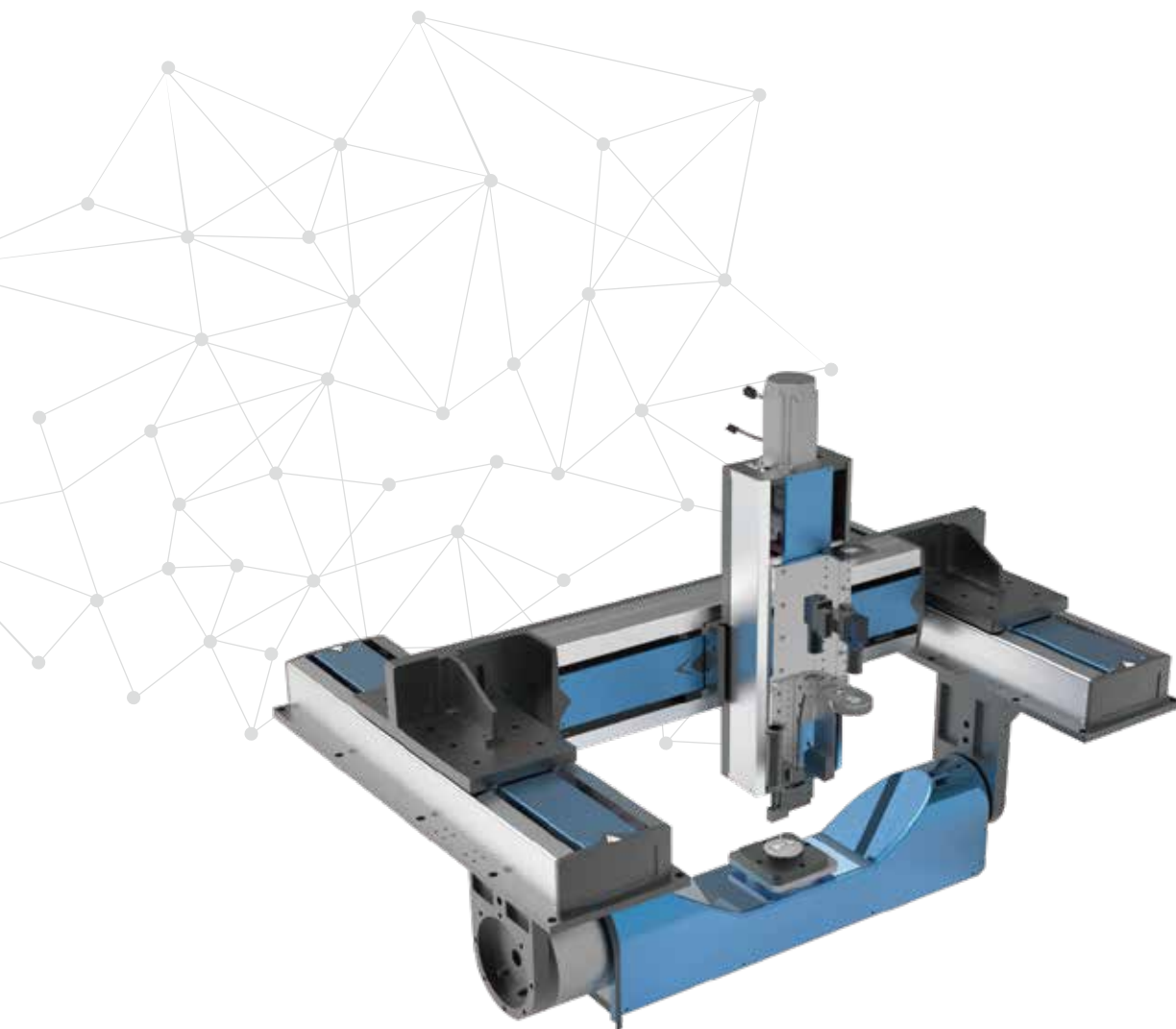
In addition to the five-axis linkage dispensing machine, Aimkse also includes models such as the double station dispensing machine, gantry dispensing machine, CCS automatic UV-curing dispensing machine, etc., forming a complete intelligent assembly platform with dispensing processes as the core and the circulation pipeline system.



1 整机功率 :6KW
Machine power :6KW

2 重复精度 :±0.01mm
Repeated accuracy:± 0.01mm

3 整机重量 :950kg
Machine total weight: 950kg



产品特点/Product features

- ▶ 带 RTCP 功能 5 联动，5 轴空间曲线插补；
 - ▶ 大尺寸人机交互触摸屏，根据点胶工艺专门优化工艺参数设置界面；
 - ▶ 出胶量实时控制功能，根据运动速度，实时调节出胶量大小，保持胶路粗细一致，改善拐角堆胶；
 - ▶ X、Y、A、C 直驱技术，反应迅速，运行稳定，速度快，速度波动小；
 - ▶ 可搭配多种阀体，应用领域广泛；
 - ▶ 配置视觉引导并矫正功能 (X、Y)；
 - ▶ 具备激光测距功能 (Z)。
-
- ▶ With RTCP function and five linkage, and five-axis space curve interpolation;
 - ▶ Large size human-machine interactive touch screen, specially optimized process parameter setting interface for dispensing process;
 - ▶ Real-time control of dispensing amount, adjust the dispensing amount in real-time based on the motion speed to maintain consistent glue path thickness and improve corner glue stacking;
 - ▶ X, Y, A, C direct drive technology, with fast response, stable operation, high speed, and small speed fluctuations;
 - ▶ Compatible with various valve bodies, widely used in different application areas;
 - ▶ Equipped with visual guidance and correction function (X, Y);
 - ▶ With laser ranging function (Z).

ADJ-C135

可根据需求定制

| 部件名称 | | 直驱X轴 | 直驱Y轴 | 伺服Z轴 | DD马达A轴 | DD马达C轴 |
|--------|-----------------------|-----------|-----------|---------|-------------|-------------|
| 技术要求 | 行程 | 400mm | 400mm | 150mm | ±100° | 360° |
| | 定位精度 | ±5μm(补偿后) | ±5μm(补偿后) | / | ±15 arcsec | ±15 arcsec |
| | 分辨率 | 0.5 μm | 0.5 μm | / | 单圈24位 | 单圈24位 |
| | 重复定位精度 | ±2μm | ±2μm | ±0.01mm | ±1.5 arcsec | ±1.5 arcsec |
| | 直线度 | ≤5μm | ≤5μm | 0.01mm | / | / |
| | 平面度 | ≤30μm | ≤30μm | 0.02mm | / | / |
| | 最大速度 | 1000mm/s | 1000mm/s | 500mm/s | 360RPM | 500RPM |
| | 最大加速度 | 2g | 2g | 0.5g | / | / |
| | 连续推力 | 440N | 720N | 2.4N.m | 43.56N.m | 6.5 N.m |
| | 负载能力 | 30kg | 100kg | 10kg | 15kg | 5kg |
| 其他要求 | | | | | | |
| 点胶阀 | MARCO / VERMES / 鹏冠 | | | | | |
| 用电需求 | AC230V 50/60HZ 25A | | | | | |
| 气压需求 | 90psi (6bar) | | | | | |
| 设备尺寸 | LWH: 1670*1050*1830mm | | | | | |
| 最大负载 | 5kg | | | | | |
| 最大点胶范围 | 300*300mm | | | | | |
| 机器重量 | 950kg | | | | | |

*因技术改进, 以上数据如有更改, 以产品技术文件为准。

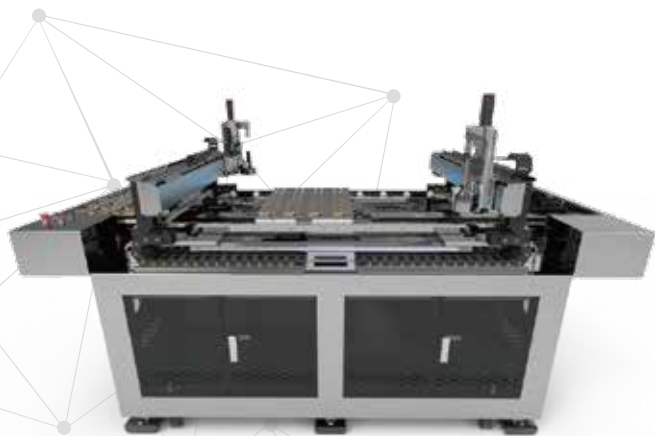
Due to technical improvement, if any of the above data is changed, the product technical documents shall prevail.

DOUBLE STATION GANTRY DISPENSING MACHINE

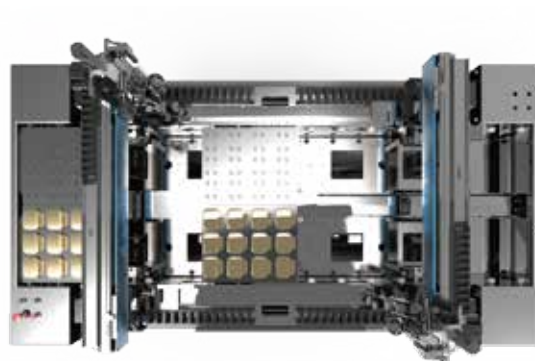
双工位龙门点胶机

产品特点/Product features

- ▶ 双工作台机构设计，实现一台机等于两台机的效果；
 - ▶ 适应性强，龙门胶机可以更换出胶阀来适应不同的胶水；
 - ▶ 结构结实，床身采用厚壁方钢，厚实墩重，各种环境下都能操作使用；
 - ▶ 操作性强，设备配置智能人机界面，同时加设手持操作部件，操作机器更加直观、简单；
 - ▶ 性价比高，精选优质进口元件、材料，利用现代化工艺加工制造，做工精细，结构合理。
- ▶ Double workstation mechanism design, achieves the effect of one machine being equal to two machines;
 - ▶ Strong adaptability, the gantry dispenser can replace the dispensing valve to adapt to different adhesives;
 - ▶ Robust structure, the bed body is made of thick-walled square steel, which is sturdy and heavy, and can be operated in various environments;
 - ▶ Strong operability, the equipment is equipped with an intelligent human-machine interface and a handheld operating part, making machine operation more intuitive and simple;
 - ▶ High cost performance, selected high-quality imported components, materials, and using modern processing technology for manufacturing, with fine workmanship and reasonable structure.



产品正视图



产品俯视图

ADJ-A160

可根据需求定制

| 部件名称 | | 直驱X1 | 直驱X2 | 直驱Y1 | 直驱Y2 | 直驱Y3 | 伺服Z1 | 伺服Z2 |
|--------|-----------------------|----------|----------|----------|----------|----------|---------|---------|
| 技术要求 | 行程 | 1000mm | 1000mm | 1420mm | 1420mm | 2010mm | 150mm | 150mm |
| | 定位精度(补偿后) | ±5μm | ±5μm | ±5μm | ±5μm | ±5μm | / | / |
| | 分辨率 | 0.5μm | 0.5μm | 0.5μm | 0.5μm | 0.5μm | / | / |
| | 重复定位精度 | ±2μm | ±2μm | ±2μm | ±2μm | ±2μm | ±10μm | ±10μm |
| | 直线度 | ≤5μm | ≤5μm | ≤5μm | ≤5μm | ≤5μm | ≤20μm | ≤20μm |
| | 平面度 | ≤30μm | ≤30μm | ≤30μm | ≤30μm | ≤30μm | ≤30μm | ≤30μm |
| | 最大速度 | 1000mm/s | 1000mm/s | 1000mm/s | 1000mm/s | 1000mm/s | 500mm/s | 500mm/s |
| | 最大加速度 | 2G | 2G | 2G | 2G | 2G | 0.5G | 0.5G |
| | 连续推力 | 132N | 132N | 330N | 330N | 198N | 0.64N.m | 0.64N.m |
| | 负载能力 | 12KG | 12KG | 30KG | 30KG | 20KG | 5KG | 5KG |
| 其他要求 | | | | | | | | |
| 点胶阀 | MARCO / VERMES / 鹏冠 | | | | | | | |
| 用电需求 | AC230V 50/60HZ 25A | | | | | | | |
| 气压需求 | 90psi (6bar) | | | | | | | |
| 设备尺寸 | LWH: 2650*1400*1600mm | | | | | | | |
| 最大负载 | 15kg | | | | | | | |
| 最大点胶范围 | 500*600mm | | | | | | | |
| 机器重量 | 1.4t | | | | | | | |

*因技术改进, 以上数据如有更改, 以产品技术文件为准。

Due to technical improvement, if any of the above data is changed, the product technical documents shall prevail.

DOUBLE STATION FLAT DISPENSING MACHINE

双工位平面点胶机

产品特点/Product features

- ▶ 一体铸造成型，结构强、运行稳定；
 - ▶ 采用直线电机传动方式，直驱控制，具有高精度高速度，多轴优势；
 - ▶ 灵活搭配不同的供胶 / 控胶系统，实现不同工艺不同产品的点胶；
 - ▶ 应用于电子行业：PCB 电子零配件固定及保护；手机、笔记本外壳粘接；LCD 玻璃、LED 点胶；光学镜头点胶与封装；汽车零配件、五金零部件实现粘接固定作用。
- ▶ One-piece casting forming, strong structure and stable operation;
 - ▶ Adopting a motor with a synchronous belt drive, it has the advantages of low cost and low noise;
 - ▶ Flexible matching with different supply/control glue systems to achieve dispensing for different processes and products;
 - ▶ Applied to the electronic industry for PCB electronic components fixing and protection, bonding of mobile phone and laptop shells, gluing of LCD glass and LED, dispensing and packaging of optical lenses, and adhesive fixation of automotive parts and hardware components.



ADJ-B160

可根据需求定制

| 部件名称 | | 直驱X1 | 直驱Y1 | 直驱Y2 | 伺服Z1 | 伺服Z2 | 伺服Z3 |
|--------|----------------------|----------|----------|----------|---------|---------|---------|
| 技术要求 | 行程 | 1200mm | 450mm | 450mm | 150mm | 150mm | 150mm |
| | 定位精度(补偿后) | ±5μm | ±5μm | ±5μm | / | / | / |
| | 分辨率 | 0.5μm | 0.5μm | 0.5μm | / | / | / |
| | 重复定位精度 | ±2μm | ±2μm | ±2μm | ±2μm | ±2μm | ±10μm |
| | 直线度 | ≤5μm | ≤5μm | ≤5μm | ≤5μm | ≤20μm | ≤20μm |
| | 平面度 | ≤30μm | ≤30μm | ≤30μm | ≤30μm | ≤30μm | ≤30μm |
| | 最大速度 | 1000mm/s | 1000mm/s | 1000mm/s | 500mm/s | 500mm/s | 500mm/s |
| | 最大加速度 | 2G | 2G | 2G | 0.5G | 0.5G | 0.5G |
| | 连续推力 | 90N | 132N | 132N | 0.64N.m | 0.64N.m | 0.64N.m |
| | 负载能力 | 8KG | 12KG | 12KG | 5KG | 5KG | 5KG |
| 其他要求 | | | | | | | |
| 点胶阀 | MARCO / VERMES / 鹏冠 | | | | | | |
| 用电需求 | AC230V 50/60HZ 16A | | | | | | |
| 气压需求 | 90psi (6bar) | | | | | | |
| 设备尺寸 | LWH: 1450*700*1520mm | | | | | | |
| 最大负载 | 5kg | | | | | | |
| 最大点胶范围 | 300*150mm(单工位) | | | | | | |
| 机器重量 | 0.4t | | | | | | |

*因技术改进, 以上数据如有更改, 以产品技术文件为准。

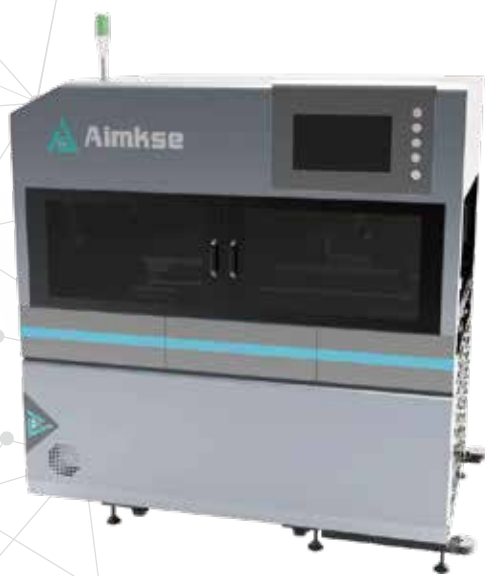
Due to technical improvement, if any of the above data is changed, the product technical documents shall prevail.

LOADING AND UNLOADING GLUE DISPENSER

上下料点胶机

产品特点/Product features

- ▶ 胶量大小粗细、涂胶速度、点胶时间、停胶时间皆可参数设定；
 - ▶ 出胶量稳定，无漏胶、滴胶现象；
 - ▶ 可选多头微调胶筒夹具，多头同时作业，成倍提高工作效率；
 - ▶ 可单料盘多治具循环工作，大幅提高工作效率；
 - ▶ 适用流体点胶，例如：UV胶、AB胶、EPOXY(黑胶)、白胶、EMI导电胶、SILICON、环氧树脂、瞬间胶、银胶、红胶、锡膏、散热膏、防焊膏、透明漆、螺丝固定剂等；
 - ▶ 适合对象：手机、电脑外壳、光碟机、印表机、墨水夹、PC板、LCD、LED、DVD、数位相机、开关、连接器、继电器、散热器、半导体等电子业、医疗器材等产品。
- ▶ The amount, size and thickness of the adhesive, glue speed, dispensing time, and stopping time can all be parameterized.;
 - ▶ The amount of adhesive output is stable, with no phenomena of leakage or dripping glue;
 - ▶ Multi-head fine adjustment of the glue barrel fixture can be selected, and multi-head operation can be carried out at the same time, which can greatly improve work efficiency;
 - ▶ Single-material plate and multi-fixture can be circled to work, greatly improving work efficiency;
 - ▶ Suitable for fluid dispensing: such as UV glue, AB glue, EPOXY (black glue), white glue, EMI conductive glue, SILICON, epoxy resin, instant glue, silver glue, red glue, solder paste, thermal grease, anti-welding paste, transparent paint, screw fixing agent, etc;
 - ▶ Suitable products for use: such as mobile phones, computer casings, CD players, printers, ink cartridges, PC boards, LCD, LED, DVD, digital cameras, switches, connectors, relays, heat sinks, semiconductors, medical equipment, etc.



ADJ-D200

可根据需求定制

| 部件名称 | | 直驱X1 | 直驱Y1 | 直驱Y2 | 伺服Y3 | 伺服Z1 | 伺服Z2 |
|--------|-----------------------|----------|----------|----------|----------|---------|---------|
| 技术要求 | 行程 | 500mm | 650mm | 650mm | 550mm | 550mm | 150mm |
| | 定位精度(补偿后) | ±5μm | ±5μm | ±5μm | / | / | / |
| | 分辨率 | 0.5μm | 0.5μm | 0.5μm | / | / | / |
| | 重复定位精度 | ±2μm | ±2μm | ±2μm | ±20μm | ±20μm | ±20μm |
| | 直线度 | ≤5μm | ≤5μm | ≤5μm | ≤20μm | ≤20μm | ≤20μm |
| | 平面度 | ≤30μm | ≤30μm | ≤30μm | ≤30μm | ≤30μm | ≤30μm |
| | 最大速度 | 1000mm/s | 1000mm/s | 1000mm/s | 1000mm/s | 500mm/s | 500mm/s |
| | 最大加速度 | 1G | 2G | 2G | 0.3G | 0.3G | 0.5G |
| | 连续推力 | 66N | 132N | 132N | 1.27N.m | 2.4N.m | 0.64N.m |
| | 负载能力 | 8KG | 12KG | 12KG | 40KG | 80KG | 5KG |
| 其他要求 | | | | | | | |
| 点胶阀 | MARCO / VERMES / 鹏冠 | | | | | | |
| 用电需求 | AC230V 50/60HZ 16A | | | | | | |
| 气压需求 | 90psi (6bar) | | | | | | |
| 设备尺寸 | LWH: 1700*1080*1800mm | | | | | | |
| 最大负载 | 20kg | | | | | | |
| 最大点胶范围 | 600*400mm | | | | | | |
| 机器重量 | 0.7t | | | | | | |

*因技术改进, 以上数据如有更改, 以产品技术文件为准。

Due to technical improvement, if any of the above data is changed, the product technical documents shall prevail.

CCS WIRE HARNESS AUTOMATIC UV CURING DISPENSING MACHINE

CCS线束自动UV固化点胶机

产品特点/Product features

- ▶ 机架采用加厚方通整体焊接而成，振动时效处理，消除内应力；
 - ▶ 高速、高可靠性、高稳定性的传动和控制系统；
 - ▶ X、Y、Z方向运动采用直线电机模组，具有高速高精度特点；
 - ▶ 采用电脑控制，故障声光报警及菜单显示；
 - ▶ CCD视觉定位系统，全景视觉，MARK点识别；
 - ▶ 配备在线设备自动信号接驳端口。
-
- ▶ The rack is welded with a thickened square tube and subjected to vibration aging treatment to eliminate internal stress and internal force;
 - ▶ High speed, high reliability, and high stability transmission and control system;
 - ▶ The X, Y, and Z directional movements adopt linear motor modules, which have the characteristics of high-speed and high-precision;
 - ▶ Adopting computer control, fault sound and light alarm and menu display;
 - ▶ CCD visual positioning system, panoramic vision, Mark point recognition;
 - ▶ Equipped with automatic signal connection ports for online equipment.



ADJ-U200

可根据需求定制

| 部件名称 | | 直驱X1 | 直驱Y1 | 直驱Y2 | 直驱Y3 | 伺服Z1 | 伺服Z2 |
|--------|-----------------------|----------|----------|----------|----------|---------|---------|
| 技术要求 | 行程 | 650mm | 650mm | 680mm | 680mm | 100mm | 100mm |
| | 定位精度(补偿后) | ±15μm | ±15μm | ±15μm | ±15μm | / | / |
| | 分辨率 | 0.5μm | 0.5μm | 0.5μm | / | / | / |
| | 重复定位精度 | ±2μm | ±2μm | ±2μm | ±20μm | ±20μm | ±20μm |
| | 直线度 | ≤5μm | ≤5μm | ≤5μm | ≤5μm | ≤20μm | ≤20μm |
| | 平面度 | ≤30μm | ≤30μm | ≤30μm | ≤30μm | ≤30μm | ≤30μm |
| | 最大速度 | 1000mm/s | 1000mm/s | 1000mm/s | 1000mm/s | 500mm/s | 300mm/s |
| | 最大加速度 | 2G | 2G | 2G | 2G | 0.5G | 0.5G |
| | 连续推力 | 440N | 440N | 132N | 132N | 0.64N.M | 0.64N.M |
| | 负载能力 | 30KG | 30KG | 12KG | 12KG | 5KG | 5KG |
| 其他要求 | | | | | | | |
| 点胶阀 | MARCO / VERMES / 鹏冠 | | | | | | |
| 用电需求 | AC230V 50/60HZ 32A | | | | | | |
| 气压需求 | 90psi (6bar) | | | | | | |
| 设备尺寸 | LWH: 6200*1200*1850mm | | | | | | |
| 最大负载 | 8kg | | | | | | |
| 最大点胶范围 | 1200*500mm | | | | | | |
| 机器重量 | 1.2t | | | | | | |

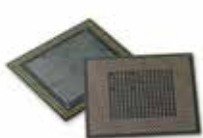
*因技术改进, 以上数据如有更改, 以产品技术文件为准。

Due to technical improvement, if any of the above data is changed, the product technical documents shall prevail.

PRACTICAL CASES

实用案例

- ▶ 芯片封装 Chip packaging
- ▶ 音响扬声器贴合 Sound speaker fitting
- ▶ 新能源电池点胶 New energy battery dispensing
- ▶ 汽车大灯密封 Headlight sealing
- ▶ 按摩仪点胶密封 Massage chair dispensing and sealing



APPLICABLE INDUSTRY

适用于产业

- ▶ 精密电子元件：电子烟、喇叭和马达、如电容器、可变电阻器、LCD、连接器、发动机、变压器等；
 - ▶ 医疗领域：CT、核磁共振、DR 系统、CR、直线加速器等医疗设备；
 - ▶ 新能源领域：新能源汽车、太阳能照明领域、风能发电系统等领域；
 - ▶ 电子产品；如 VR 眼镜、照相机、摄像头、电子钟表、液晶 TV、音频设备、汽车导航系统等产品；
 - ▶ 高端领域：航天、航空、国防、汽车和高端通信等行业；
 - ▶ 半导体产品：LSI、IC、混合 IC、CSP、BGA 等。
-
- ▶ Precision electronic components: E-cigarettes, DIP package components, horns and motors, such as capacitors, variable resistor, LCD, magnetic head, connector, engines, transformers, etc;
 - ▶ Medical field: CT、MRI、DR system、CR、linear accelerator, ect;
 - ▶ New energy fields: new energy vehicles, solar lighting, wind power generation system, etc;
 - ▶ Electronic products: such as VR glasses, cameras, electronic clock, webcam, LCD TV, audio equipment, car navigation system, etc;
 - ▶ High-end sectors: aerospace, aviation, defense, automotive and high-end communications, etc;
 - ▶ Semiconductor product: LSI、IC、mix IC、CSP、BGA, etc;



LCD PANEL
液晶面板



ELECTRONIC COMPONENTS
电子元器件



LENS
光学镜头



3C PRODUCTS
3C 产品



INTEGRATED CIRCUITS
集成电路



SWITCH
开关



HEADPHONES
AUDIO
耳机 / 音响

EMBRACE INTELLIGENT MANUFACTURING BUILD A BRIGHT FUTURE TOGETHER

拥抱智能制造·共筑美好未来

企业文化/Enterprise culture



以人为本，以才为重，持续创新，追求卓越，坚持闯、创、干精神，致力于大数据工业互联，实现整厂自动化，积极参与中国制造 2025，共同实现中国工业 4.0 这一伟大使命。

People-oriented, talent first, continuous innovation and the pursuit of excellence, adhere to the spirit of "breakthrough", "innovation" and "hard work", committed to big data industrial interconnection, to achieve the whole factory automation, actively participate in Made in China 2025, and jointly realize the great mission of China's Industry 4.0.

公司环境/Company environment



专利认证 Patent certification

已取得发明专利
计算机软件著作权
实用新型专利
外观专利
同时申请实用新型专利

Company has obtained invention patents
Computer software Copyrights
Utility model patents and
Appearance patents
Utility model patents
Invention patents
Appearance patents.



软件著作权 Software copyright

已取得软件著作权
Copyrights have been acquired



IECQ 符合性证书
ISO 9001:2015 认证
ISO 14001:2015 认证

IECQ Certificate of compliance
ISO 9001:2015 Authentication
ISO 14001:2015 Authentication



BE PERSISTENT IN YOUR DEEDS, SEEK TRUTH FROM FACTS AND ENCOURAGE INNOVATION

笃行致远, 惟实励新

未来展望/Prospect of the future 

艾姆克斯将继续秉承“合作共赢”原则，以市场为导向，以客户需求为基础，坚持“自主研发、持续创新、技术领先”，紧跟国家战略，实现国产替代，面向全球，实现全厂智能制造，打造成为国际一流的智能智造系统提供商。

Amikes will continue to adhere to the principle of "win-win cooperation", market-oriented, based on customer demand, adhere to "independent R&D, continuous innovation, technology leadership", keep up with the national strategy, look at the domestic substitution, face the world, realize the whole factory intelligent manufacturing, and build into a world-class intelligent manufacturing system provider.



拥抱智能制造 · 共筑美好未来

Embrace intelligent manufacturing and build a better future together

深圳市艾姆克斯科技有限公司
Shenzhen Aimkse Techonology Co,LTD

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