



为体外诊断产业提供高效智能装备

# Empowering the IVD Industry with Intelligent Equipment

BUILDING THE FUTURE  
OF DIAGNOSTICS.

共筑体外诊断的未来

- **厦门总部（研发与制造基地）**  
福建省厦门市集美区  
R&D & Manufacturing Base — Xiamen, China
- **杭州工厂（精密制造中心）**  
浙江省杭州市萧山区  
Manufacturing Base — Hangzhou, China
- **上海营销中心（服务中心）**  
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SHANGHAI JEARI AUTOMATION EQUIPMENT CO., LTD.

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# VISION & MISSION

## Vision:

To become a global leader in automated manufacturing solutions for the IVD industry.

## Mission:

To drive innovation and efficiency in healthcare diagnostics through intelligent automation.

## Core Values:

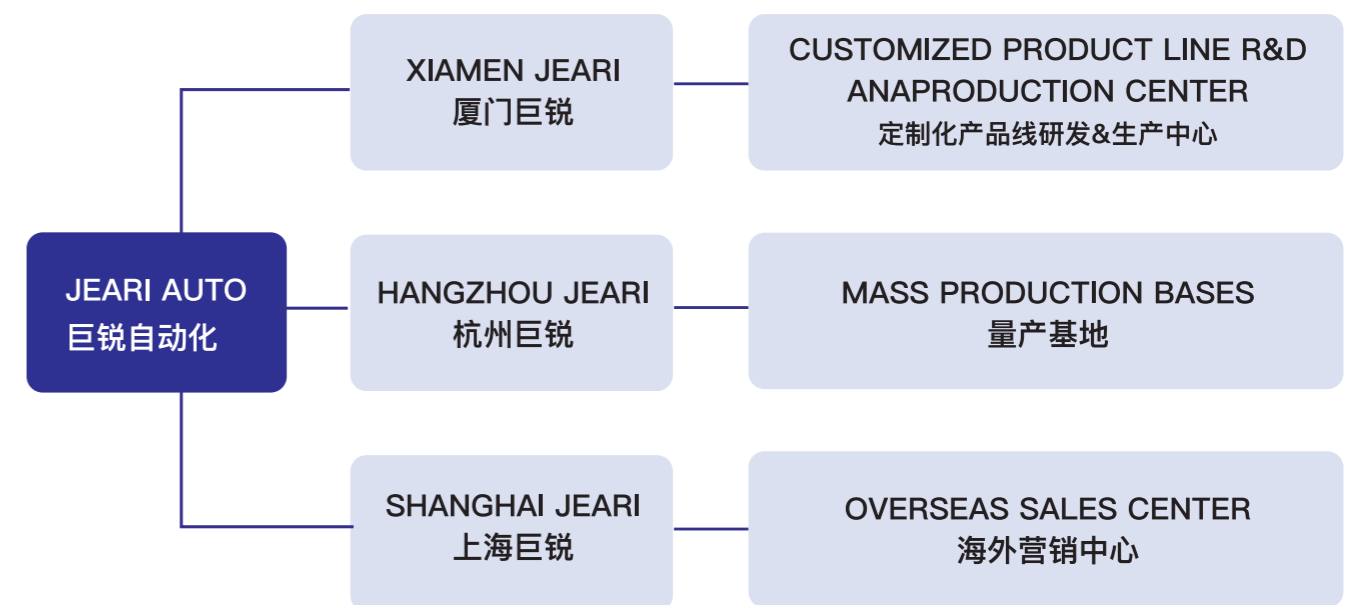
Professional Leadership · Innovation Driven · Growing Together with Clients.

# COMPANY PROFILE

JEARI Automation Co., Ltd. stands as a leading high-tech enterprise dedicated to delivering innovative manufacturing solutions specifically for in vitro diagnostics (IVD). Operating from its headquarters in Xiamen and equipped with modern production and service centers in Hangzhou and Shanghai, JEARI excels in providing automated production lines and auxiliary equipment tailored for Point-of-Care Testing (POCT) applications.

With over a decade of invaluable industry experience, JEARI is committed to offering comprehensive end-to-end solutions. These solutions encompass everything from raw material handling and workshop design to equipment manufacturing, process optimization and final product delivery. This holistic approach empowers clients to establish efficient, precise, and sustainable manufacturing systems.

## ORGANIZATIONAL CHART OF JEARI AUTO



# OUR STRENGTHS

Boasting 102 patented technologies, JEARI's innovative contributions cover critical process modules such as reagent handling, drying, cutting, lamination, assembly, and packaging. These advancements ensure high efficiency and stability across production lines.

JEARI is proud to be certified to the ISO 9001 Quality Management System and is well-versed in the ISO 13485 control requirements, guaranteeing full compliance with medical device quality standards. Additionally, the company holds 15 CE certifications and 3 FCC certifications, while actively maintaining international collaborations with partners across more than 10 countries.



- **With over a decade of experience in POCT production lines**  
We Have Supplied Intelligent Automation Equipment To More Than 300 Clients Globally.
- **Our integrated industrial network spans three locations**  
The R&D Center In Xiamen, The Manufacturing Base In Hangzhou, And The Sales Center In Shanghai, Creating An Efficient Closed Loop For Design, Production, Delivery, And Service.
- **We offer modular and customized designs**  
Nithat Provide Tailored Solutions To Accommodate Diverse Customer Requirements, Ranging From Pilot-scale Testing To Large-scale Production.
- **Our comprehensive technical support delivers end-to-end turnkey services**  
Which Include Assistance Throughout The R&D Process, Manufacturing, Delivery And After-sales Support.

# OUR GLOBAL PRESENCE



CHINA  
NANJING

## OUTSTANDING IMPLEMENTATION CASES

### GLUCOSE TEST STRIPS ASSEMBLY LINE

This initiative was custom-designed and developed for a prominent listed In Vitro Diagnostics (IVD) company in China, delivering a fully automated blood glucose test strip production line. The production line is engineered for high-speed and stable automated output, incorporating a vision inspection system that facilitates real-time process monitoring and quality assurance.

Through a strategic partnership, JEARI has significantly supported the client in enhancing their production capacity—boosting daily output from 1 million tests in 2021 to 7 million tests by 2025. This accomplishment reflects a transition to fully automated and digitized manufacturing processes.

The production line features the MAS system, which manages personnel and equipment intelligently, thereby reinforcing the client's competitiveness on a global scale. Following the automation upgrades, production efficiency experienced a remarkable increase, rising from 10 bottles per minute on semi-automatic lines to 40 bottles per minute on fully automatic lines, establishing it as the fastest blood glucose production line in China. Additionally, the first-pass yield rate has reached an impressive 99.9%, with certain process segments achieving 99.99%.

Due to its exceptional engineering capabilities and dependable equipment performance, JEARI has been honored with the title of "Best Supplier of the Year 2025" by the client.



# DRY CHEMISTRY PROJECT



CHINA  
SHENZHEN

China – Automated Urine Test Strip Assembly Line For A Top Ivd Company

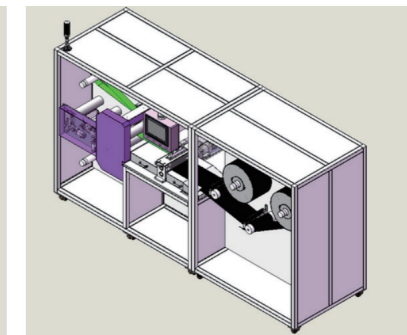
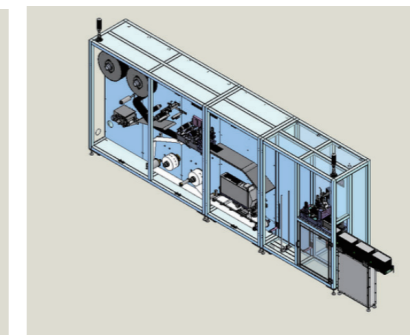
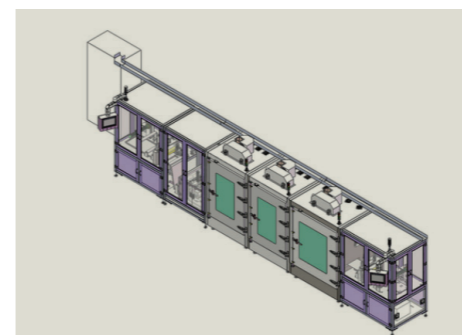
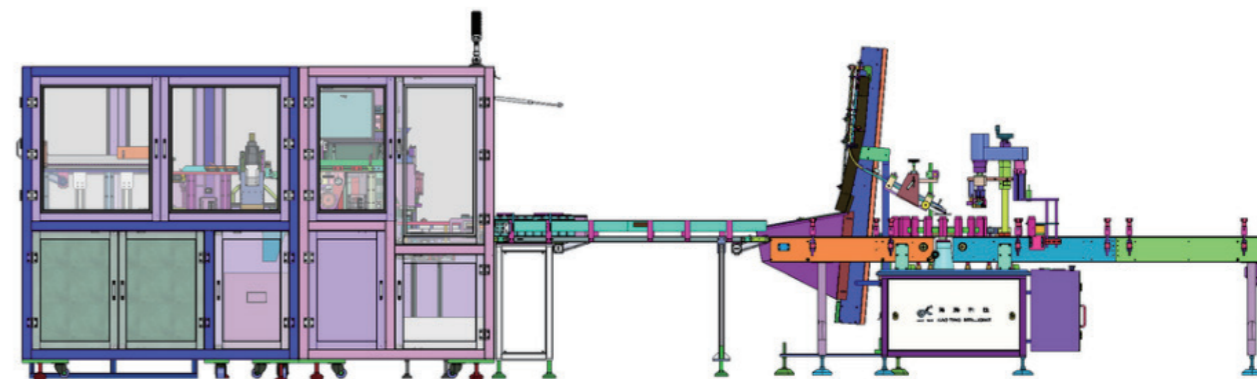
中国 · 顶级IVD企业尿液试纸自动装配线项目

This project was specifically designed and developed for one of the leading in vitro diagnostic (IVD) companies in China, recognized for its significant market value.

The initiative features a fully automated dry-chemistry urinalysis test strip production line that encompasses the entire production process, including raw material soaking, drying, slitting, lamination, assembly, cutting, and packaging.

Integrated with the MAS intelligent management system, the production line facilitates seamless coordination between operators and equipment. The entire system is constructed with a modular design, ensuring ease of maintenance and opportunities for upgrades, while demonstrating stable operation and effective process control.

This project has been successfully implemented at multiple client locations and is currently in the final stages of delivery.



# CANNED PROJECT

China – Automated Chemiluminescence Reagent Filling Production Line  
 灌装项目



This project was successfully developed for a prominent IVD diagnostic enterprise in China, with JEARI delivering a comprehensive automated filling and packaging solution. The system encompasses the entire workflow, including automated loading and unloading, reagent stirring, precision filling, film sealing and cutting, laser marking, and finished product inspection.

The production line is designed to ensure high precision, stability, and traceability, thereby significantly enhancing efficiency and product consistency while minimizing manual intervention. This approach helps maintain the purity and accuracy of reagents throughout the filling and sealing processes.

The successful execution of this project represents a significant advancement in JEARI's automation capabilities within the chemiluminescence sector, providing smarter and more reliable production solutions for IVD manufacturers worldwide.



# PHOTOCHEMISTRY PROJECT

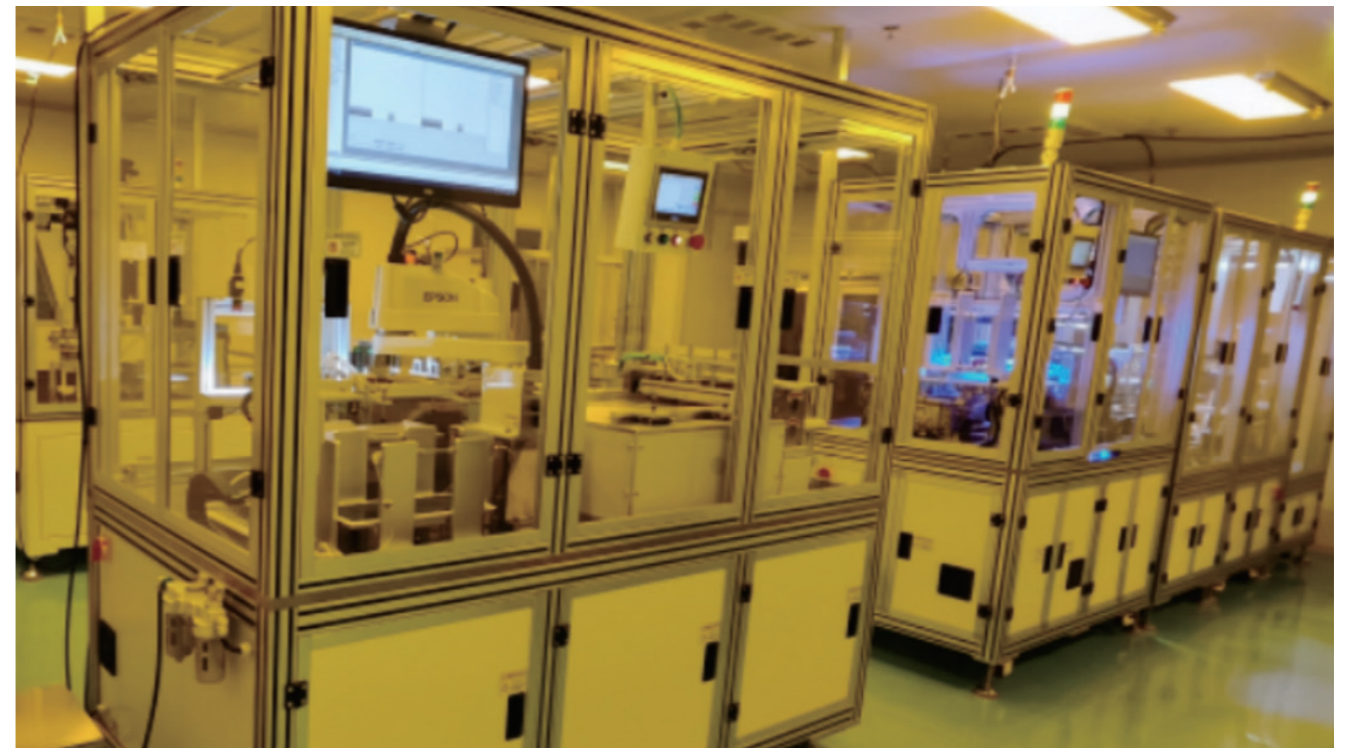
China – Au Tomatedurine Test Strip Assembly Line For A Top Ivd Company  
 光化学项目-血脂（血红蛋白项目）



This project was meticulously developed for a prominent publicly listed In Vitro Diagnostic (IVD) enterprise in China. It encompasses the complete automated process for handling multilayer films, assembling multilayer materials, cutting single strips, conducting inspections, rejecting waste, assembling cards, bottling, and implementing individual packaging systems.

In alignment with the unique characteristics of the client's raw materials, JEARI tailored the equipment structure and process parameters to ensure a precise fit with the client's production workflow and quality standards.

The fully automated production line significantly enhances efficiency and consistency while reducing reliance on labor and minimizing product handling. Furthermore, the system seamlessly integrates with the client's information management system, establishing an intelligent production line that is both high-efficiency and secure.



## ELECTROCHEMISTRY PROJECT



INDIA

Fully Automatic Blood Glucose Test Strip Single-piece Packaging Assembly Line

全自动血糖试纸独立包装生产线

This project was developed for a prominent IVD enterprise in India, featuring a fully automated blood glucose test strip packaging production line engineered for comprehensive automation, from the handling of raw materials to the delivery of finished products.

The production line incorporates automatic material feeding, precise alignment, intelligent cutting, and automatic edge-trim removal. Additionally, it offers optional CCD vision inspection and printing systems for real-time defect detection and rejection.

The system is designed to automatically log production data, execute aluminum film sealing, print batch numbers, and manage final cutting and packaging according to predetermined quantities (5 independent test strips or 10 independent test strips can be packaged at one time).

Following implementation, this project significantly enhanced the client's production efficiency and yield rate while reducing manual labor requirements. It also established a stable quality control process and enabled a fully automated packaging workflow, which has resulted in high trust and positive feedback from the client.



## ELECTROCHEMISTRY PROJECT



TURKEY

Blood Glucose Production Line Starting With Electrode Printing (Semi-automatic)

高精度黄金电极自动化生产

This project was meticulously designed by JEARI for a prominent Korean diagnostics company, resulting in the establishment of a state-of-the-art automated gold electrode production line at their facility in Turkey.

Utilizing roll-form raw materials, the production system incorporates advanced processes including die cutting, laser engraving, static elimination, dimensional cutting measurement, impedance testing, plasma surface treatment, and vacuum packaging. This comprehensive approach ensures operations are fully automated and meticulously controlled.

The production line is engineered to maintain high standards of cleanliness, precision, and consistency, thereby guaranteeing stable surface quality and conductivity of the electrodes produced.

The successful execution of this project has significantly enhanced the client's automation capabilities in electrode manufacturing, positioning the Turkey facility as a vital production hub that bridges the European and Middle Eastern markets.

JEARI's cutting-edge automation technologies empower clients on a global scale, facilitating high-quality, localized production and fostering the development of a more competitive intelligent manufacturing system worldwide.



# PARTNERS & TESTIMONIALS



Turkish partner

**The founder of our Turkish partner recently shared their experience with JEARI:**

“Our collaboration with JEARI commenced in 2018, during a period when our company was in its infancy and confronting numerous challenges. JEARI assisted us in establishing our initial glucose production line, enabling us to achieve CE certification for our glucose products—a significant milestone in our development.

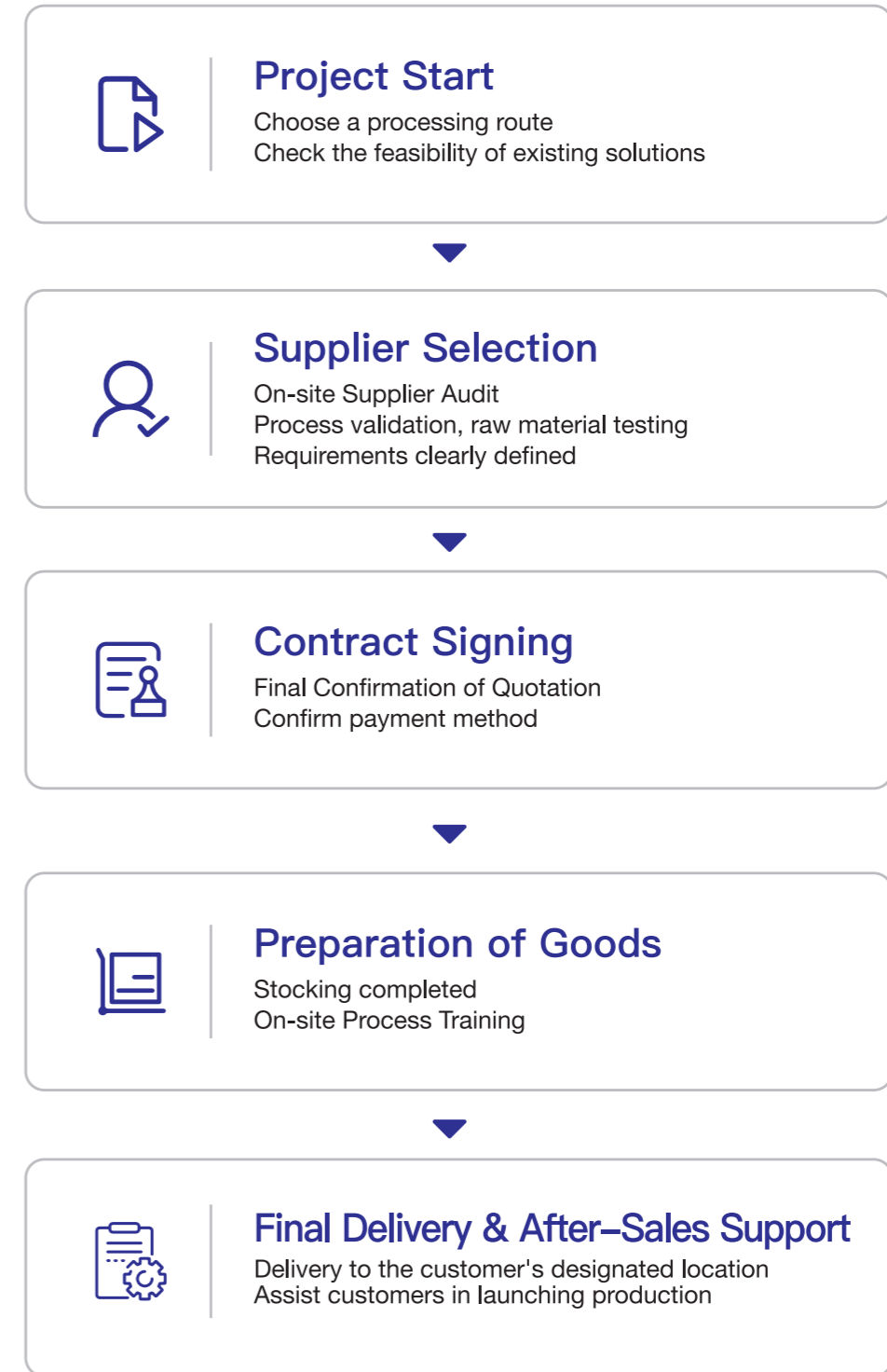
During the COVID-19 pandemic, JEARI further encouraged us to diversify into antigen products and facilitated connections within the complete supply chain. Their unwavering support allowed our business to expand rapidly, reaching a broader audience in need.

Over the years, JEARI has transcended the role of a mere business partner; they have become a trusted ally. Their professionalism, vision, and reliability have been instrumental in our success.

Our relationship is grounded in mutual trust and genuine goodwill. I am profoundly grateful to JEARI for their dedication and support, and I confidently recommend them to anyone seeking a dependable partner.”



# COOPERATION PROCESS



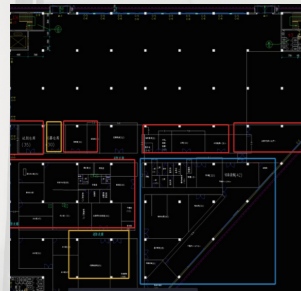
# SERVICES & SUPPORT

## 服务与支持 /

- **Remote Technical Support** — We assist clients in verifying electrode design feasibility and provide professional recommendations for plant layout optimization.
- **ON-SIDE Commissioning** — We offer on-site or China-based training and commissioning services to ensure seamless equipment setup and operation.
- **Maintenance & Upgrades** — Our systems are designed for scalability; JEARI provides technical solutions, spare parts, and upgrade guidance to support continuous improvement.

### REMOTE TECHNICAL SUPPORT

#### 远程技术支持 /



### ON-SITE COMMISSIONING

#### 设备安装调试 /



### MAINTENANCE & UPGRADES

#### 升级与维护 /

# MANUFACTURING ENVIRONMENT

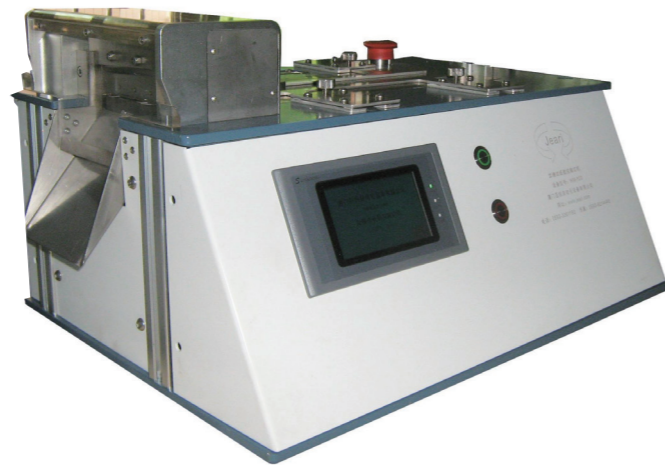
## 生产实景 /



# WM-100

Test Strip Cutting Machine

诊断试纸斩切机



## Scope of Application:

Cutting production for diagnostic test strips

## Equipment Workflow:

(Single-row sheet) Manual feeding → Alignment and precision cutting → Test strips product discharge

## Equipment Advantages:

- Operating speed up to 450 cuts per minute, delivering high efficiency, fast throughput, and stable quality—an ideal auxiliary production device for test strip manufacturers.
- For test strips with specific printed marks or color blocks (such as electrodes or reference lines), the system is equipped with digital fiber-optic scanning for precise positioning. This feature completely eliminates cumulative strip-to-strip positioning errors and ensures excellent dimensional consistency, maintaining a low coefficient of variation (CV) across cut materials.

Model	WM-100
Cutting Speed	450rpm (Maximum)
Cutting Precision	0.02mm (The actual precision may have an error of approximately $\pm 0.05$ mm due to the influence of product materials and other factors)
Maximum Cutting Width	100mm
Suitable Thickness	Within 1.5mm
Cut Way	Induction cutting/fixed length cutting
Cutting Times	Unlimited (sorted by cutting materials)
Programming	Mechanical Text/Touch screen interface input
Machine Size	530mm×450mm×300mm
Machine Weight	About 60KG
Electric Power Consume	0.65KW
Electric Power	AC220V/50, 60HZ

# WM-220

Diagnosis test strip single piece semi-automatic rolling and cutting machine

诊断试纸单片半自动滚切机



## Scope of Application:

Single-strip cutting production for blood glucose, blood lipid, uric acid, cholesterol, and other types of test strips.

## Equipment Workflow:

(Single-row sheet) Manual feeding → Automatic alignment and roll cutting → Product discharge → Manual collection (via collection hopper).

## Equipment Advantages:

- Can be upgraded with automatic feeding and automatic bottling functions.
- Quick tool-change design allows tool replacement within 10 minutes, ensuring minimal downtime and stable production efficiency.

Model	WM-220
Worktable Route	200mm-460mm (Can be customized according to size of product)
Cutting Precision	Line error $\pm 0.1$ mm (There may be slight fluctuations depending on the material)
Suitable Thickness	Within 2.5mm
Roll Cutting Alignment Way	Fiber optic scanning/artificial optics/hole positioning/edge positioning (No need alignment for urine test strips)
Static Electricity Removal Function	Can be added
Rolling Efficiency	210rpm/min (can be adjusted)
Programming	Touch screen interface input
Machine Size	860mm×630mm×1200mm (The size may vary depending on the worktop)
Gas Source	0.6Mpa (Clean gas source)
Machine Weight	About 150KG
Electric Power Consume	1.2KW
Electric Power	AC220V/50, 60HZ

# WM-220-LS

Blood glucose test strip semi-automatic single piece rolling cutting machine with bottling function

WM-220-LS血糖试纸半自动单片滚切入瓶机



## Scope of Application:

Production of blood glucose test strips



## Equipment Workflow:

(Single-row sheet) Manual feeding → Alignment and roll cutting → Automatic bottling → Product discharge



## Equipment Advantages:

- Optional CCD vision system can be integrated for product inspection and quality monitoring.
- Compatible with various electrochemical and dry-chemical test strips; cutting tools can be replaced according to specific production requirements.
- Can be upgraded with an automatic feeding system to achieve higher automation levels.



Model	WM-220-LS
Cutting Precision	Robotic arm with vision system: $\pm 0.1\text{mm}$ tolerance within 300mm
Maximum Cutting Width	25-40mm (Can be customized according to needs)
Qty of Roll Channel	4-12 channels (Customized according to needs)
Silo Capacity	About 300 sheets
CCD Inspection	Two sets of vision inspection systems cover the entire production process, with the capability to store images from each production run.
Impedance Detection	Customized according to needs
Receiving Materials Way	Fully automatic collection (labeled silo, defective product silo, finished product silo)
Programming	Touch screen interface input (and remote assistance)
Machine Size	1200mm×900mm×1600mm (The size may vary depending on the layout)
Gas Source	0.6Mpa (Clean gas source)
Machine Weight	About 190KG
Electric Power Consume	3.2KW
Electric Power	AC220V/50, 60HZ

# WM-220LZ-TS

Automatic single piece vertical rolling and cutting machine for blood glucose test strips with bottling function

血糖试纸自动单片立式滚切入瓶机



## Scope of Application:

Production of blood glucose test strips



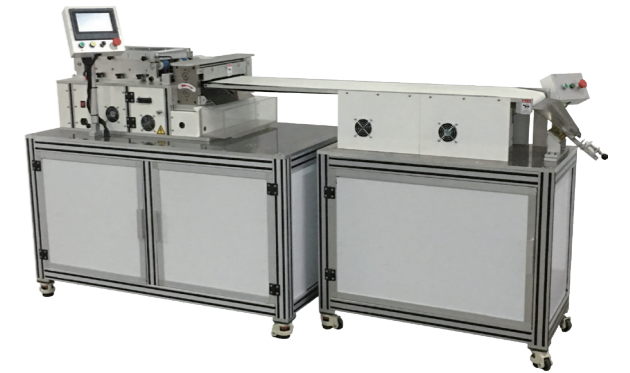
## Equipment Workflow:

(Single-row sheet) Automatic feeding → Roll cutting → Product discharge → Automatic bottling



## Equipment Advantages:

- The system features fully automated material loading, alignment, cutting, and product collection after cutting, ensuring efficient and stable production.
- The equipment can be optionally configured with a conveyor belt or direct bottling mechanism. Operators can remove defective products or supplement quantities directly on the conveyor, and the system will automatically complete the bottling process.
- Compatible with an optional CCD vision inspection system for real-time monitoring of cutting quality and quantity verification, ensuring product consistency and accuracy.



Model	WM-220LZ-TS
Worktable Route	200mm-460mm (Can be customized according to size of product)
Cutting Precision	Line error $\pm 0.1\text{mm}$ (There may be slight fluctuations depending on the material)
Bottling Way	Manually place the bottle, and the machine automatically loads product into the bottle
Suitable Thickness	Within 1.2mm
Roll Cutting Alignment Way	Fiber optic scanning/artificial optics/hole positioning/edge positioning
Static electricity removal function	Can be added
Rolling Efficiency	220rpm/min (can be adjusted)
Programming	Touch screen interface input
Machine Size	1260mm×730mm×1700mm (The size may vary depending on the layout)
Gas Source	0.6Mpa (Clean gas source)
Machine Weight	About 150KG
Electric Power Consume	1.3KW
Electric Power	AC220V/50, 60HZ

# WM-225

blood glucose test strip highspeed single piece cutting production line

## 血糖试纸高速单片切割生产线



### Scope of Application:

Production of blood glucose test strips



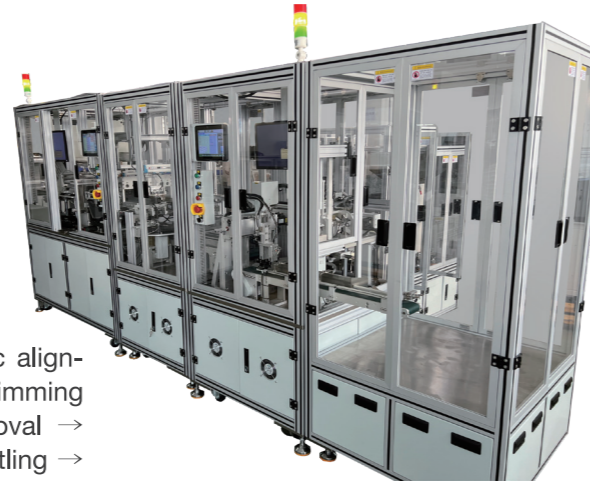
### Equipment Workflow:

(Single-row sheet) Automatic feeding → Automatic alignment → Automatic roll cutting → Automatic edge trimming → Product inspection → Defective product removal → Quantity detection → Automatic collection and bottling → Weight re-inspection → Capping → Product discharge.



### Equipment Advantages:

- Equipped with a CCD vision system for real-time monitoring and inspection. The entire production process is fully automated, achieving high-speed and high-efficiency operation. For 25-strip packs, the production capacity can reach up to 38 bottles per minute (approximately 950 strips per minute).



Model	WM225
Cutting Precision	±0.1mm (There may be slight fluctuations depending on the material used)
Tools Replacement	Can be added
Silo Capacity	600 Single row
Production Efficiency	"38 bottles/min for 25 pieces (Maximum); 20 bottles/min for 50 pieces (Maximum)"
Roll Cutting Alignment Way	CCD Detection
Qty Detection	CCD Detection
Requirement for Bottle	Split and integrated (customized according to needs)
Rechecking Balance Precision	0.01g
Machine Size	3900mm×1100mm×1950mm (Not includes silo size; The size may vary depending on the layout)
Gas Source	0.6-0.8Mpa (Clean gas source)
Machine Weight	About 2200KG
Electric Power Consume	4.7KW
Electric Power	AC220V/50, 60HZ

# WM-226

blood glucose test strip single piece fully automatic cutting production line

## 血糖试纸单片全自动切割生产线



### Scope of Application:

Production of blood glucose test strips



### Equipment Workflow:

(Single-row sheet) Automatic feeding → Automatic alignment and roll cutting → Automatic edge trimming → Defective product inspection → Automatic defective removal → Quantity detection → Quantity completion → Automatic collection and bottling → Weight re-inspection → Capping → Product discharge.



### Equipment Advantages:

- Equipped with a CCD vision system for real-time monitoring and inspection. The system not only detects defective products but also automatically removes them and compensates for any quantity shortage.
- Dual inspection through weighing and visual detection ensures consistent product quality.
- Quick tool-change mechanism: when adhesive residue is detected, the operator can activate the automatic tool-change function. The system will automatically replace the tool within five minutes, minimizing downtime and ensuring high production efficiency.



Model	WM-226
Cutting Precision	±0.1mm (There may be slight fluctuations depending on the material used)
Tools Replacement	Can be added
Silo Capacity	600 Single row
Production Efficiency	"38 bottles/min for 25 pieces (Maximum); 20 bottles/min for 50 pieces (Maximum); Efficiency based on qty of rejection"
Roll Cutting Alignment Way	CCD Detection
Qty Detection	CCD Detection
Requirement for Bottle	Split and integrated (customized according to needs)
Rechecking Balance Precision	0.01g
Machine Size	3700mm×1100mm×1950mm (Not include silo; The size may vary depending on the layout)
Gas Source	0.6-0.8Mpa (Clean gas source)
Machine Weight	About 2200KG
Electric Power Consume	4.7KW
Electric Power	AC220V/50, 60HZ

# WM-232

Diagnostic test strip single piece desktop rolling cutting machine

## 诊断试纸单片桌面式滚切机

### Scope of Application:

An adjustable roll-cutting device developed for small-scale trial production and R&D stages of various types of test strip manufacturers.

### Equipment Workflow:

(Single-row sheet) Manual feeding → Alignment and roll cutting → Automatic bottling → Product discharge

### Equipment Advantages:

- The cutting mechanism can be customized with different tool designs according to various test strip types, making it an ideal auxiliary device for production enterprises.
- Equipped with a hopper for automatic bottling, ensuring smooth and efficient material collection.



Model	WM-232
Worktable Route	200mm-460mm (Can be customized according to size of product)
Cutting Precision	Errors $\pm 0.1$ mm (There may be slight fluctuations depending on the material)
Suitable Thickness	Within 2.5mm
Roll Cutting Alignment Way	Artificial optics/hole positioning/edge positioning
Material Receiving Method	Be customized
Cutting Tools	Flat knife/inclined knife/sharp knife/irregular knife (customized according to needs)
Rolling Efficiency	210 rpm/min (can be adjusted)
Programming	No need edit program
Machine Size	660mm×630mm×520mm (The size may vary depending on the worktop)
Gas Source	0.6Mpa (Clean gas source)
Machine Weight	About 75KG
Electric Power Consume	0.6KW
Electric Power	AC220V/50, 60HZ

# WM-801

Diagnostic Test Strip Single Serving Cutting And Packaging Production Line

## 诊断试纸单人份切割包装生产线

### Scope of Application:

Designed for the individual packaging production of blood glucose test strips and various other diagnostic test strips.

### Equipment Workflow:

Automatic Single-row sheet feeding → Alignment and cutting → Alignment and cutting → Edge trimming → Defective inspection/removal → Automatic bag forming → Printing of production batch number → Die cutting and forming → Product discharge

### Equipment Advantages:

- The entire production line is monitored and inspected by a CCD vision system, and the finished packages are re-inspected after packaging.
- Custom molds can be designed according to different bag shapes required by the customer. The cutting section can be configured to cut 5-strip or 10-strip panels depending on production needs.

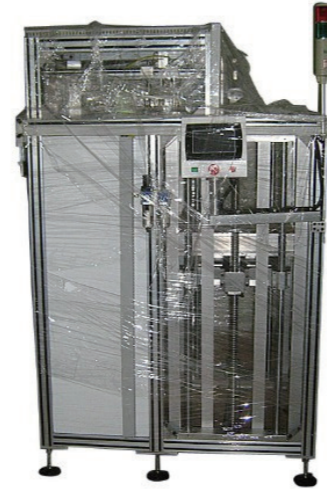


Model	WM-801
Work Table Route	Dual station alternating type
Cutting Precision	$\pm 0.1$ mm, There may be slight fluctuations depending on the material
Production Efficiency	85-100 pieces/minute
Silo Capacity	300 Single row
Printing Method	Laser printing or inkjet printing
Sealing Method	Hot pressing or ultrasonic
Cutting Method	Cutting method
CCD Detection	Inspect finished cut products for dimensional accuracy, burrs, printed content, and packaging shape.
Aluminum Foil Requirements	Rolls of printed aluminum foil
Gas Source	0.6-0.8Mpa (Clean gas source)
Machine Size	3800mm*1100mm*1950mm
Electric Power Consume	5.7KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 2500KG

# WM-202

Blood glucose test strip special-shaped die-cutting machine

血糖试纸异型模切成型机



## Scope of Application:

Processing of irregular-shaped substrates for blood glucose test strips

## Equipment Workflow:

Automatic feeding of Layer 1 → Punching into irregular-shaped long strips → Product output → Automatic scrap collection

## Equipment Advantages:

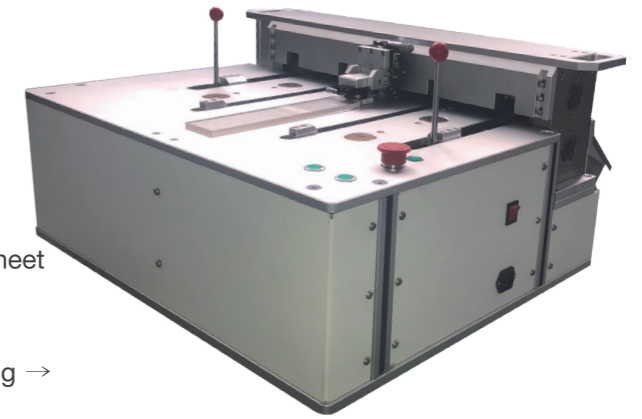
- The device uses hole positioning technology to ensure precise cutting dimensions. Custom molds can be designed for different shapes, enabling one-time forming of 25–50 strips per cycle.
- Optional configuration includes CCD vision inspection for automatic defective product removal and automatic counting and bottling functions, enhancing production accuracy and efficiency.

Model	WM-202
Cutting Precision	Within $\pm 0.03\text{mm}$
Suitable Thickness	Within 1mm
Cutting Way	Die cutting and shaping
Cutting Speed	(Maximum 40times/min) Each time
Maximum Size of Single Strip	10mm
Shape of Single Strip	Customized according to needs (Round, angles, radius, etc.)
Silo Capacity	200 sheets
Maximum Punching Pressure	Gas-liquid supercharging way, 7T-10T (Configuration can be selected)
Extended Function	Can be connected to the fully automatic bottle collection function
Machine Size	2260mm×1600mm×1950mm (The size will be different according to customized requirements)
Gas Source	0.6-0.8Mpa (Clean gas source)
Machine Weight	About 700-2660KG
Electric Power Consume	About 5.5KW
Electric Power	AC220V/50, 60HZ

# WM-210

Blood glucose test strip semiatomatic strip rolling cutting machine

血糖试纸半自动条形滚切机



## Scope of Application:

Production of blood glucose test strip Single-row sheet

## Equipment Workflow:

(Sheet) Manual feeding → Alignment and roll cutting → Product discharge → Manual collection

## Equipment Advantages:

- The equipment supports three positioning methods for precise alignment:
  1. Automatic sensing and correction based on specific printed marks.
  2. Manual alignment using centerline or edge positioning.
  3. Hole positioning for high-precision mechanical alignment.

Model	WM-210
Worktable Route	200mm×150mm-660mm×520mm (Can be customized according to product size)
Cutting Precision	Induction Type ( $\pm 0.1\text{mm}$ within 300mm, shifting after correct alignment); Manual alignment (Generally within $\pm 0.1\text{mm}$ , shifting after correct alignment)
Maximum Cutting Width	25-40mm (Can be customized according to needs)
Qty of Roll Channel	4-12 channels (Customized according to needs)
Suitable Thickness	Within 1.2mm (PET)
Roll Cutting Speed	Up to 220rpm/min (can be adjusted)
Programming	Touch screen interface input (Manual alignment and hole positioning do not require programming)
Machine Size	660mm×650mm×370mm (The size may vary depending on the layout)
Gas Source	0.6Mpa (Clean gas source)
Machine Weight	About 65-160KG (based on the size of machine)
Electric Power Consume	0.7KW
Electric Power	AC220V/50, 60HZ

# WM-211

Automatic trimming and rolling cutting machine for blood glucose test strip

## 血糖试纸自动修边滚切机



### Scope of application:

Production of blood glucose test strip bars



**Equipment workflow:** (Sheet) automatic feeding → calibration cutting → discharge → automatic collection



### Equipment advantages:

- For products without positioning holes or markings, the equipment uses a manipulator for automatic feeding, measures electrode lines, and performs calibration cutting. It is especially suitable for large substrates exceeding 400 mm × 400 mm, compensating for dimensional deviations caused by cumulative errors during long-strip cutting.
- The equipment can perform secondary trimming of external dimensions, allowing each single-strip cutting station to continue positioning without additional calibration, thereby improving downstream single-strip cutting efficiency.



Model	WM-211
Cutting Precision	±0.1mm (within 300mm, shifting after correct alignment); Roll cutting precision (±0.05mm)
Overall Size	400mm×400mm (±0.1mm)
Maximum Cutting Width	25-40mm (Can be customized according to needs)
Qty of Roll Channel	4-12 channels (Customized according to needs)
Silo Capacity	About 300 sheets
Front Connection Interface	Can connect to the front adhesion production line
Receiving Materials Way (Customized)	Can be connected to the production line for conveying or silo collection
Programming	Touch screen interface input
Machine Size	1960mm×1150mm×1950mm (The size may vary depending on the layout)
Gas Source	0.6Mpa (Clean gas source)
Machine Weight	About 720KG (based on the size of machine)
Electric Power Consume	3.2KW
Electric Power	AC220V/50, 60HZ

# WM-211-CA

Blood glucose test strip fully automatic strip rolling cutting machine

## 血糖试纸全自动条形滚切机



### Scope of application:

Production of blood glucose test strip  
Single-row sheet



### Equipment workflow:

(Sheet) automatic feeding → alignment rotary cutting → discharge → automatic collection



### Equipment advantages:

- For substrates printed with specific marks or color blocks (such as electrodes or other lines), CCD visual scanning ensures precise positioning.



Model	WM-211-CA
Cutting Precision	±0.1mm (within 300mm, shifting after correct alignment); Roll cutting precision (±0.05mm)
Maximum Cutting Width	25-40mm (Can be customized according to needs)
Qty of Roll Channel	4-12 channels (Customized according to needs)
Silo Capacity	About 300 sheets
Cutting Speed	About 10 seconds/sheet
Receiving Materials Way	Can be connected to the production line for conveying or silo collection
Programming	Touch screen interface input (Manual alignment and hole positioning do not require programming)
Machine Size	1960mm×1050mm×1950mm (The size may vary depending on the layout)
Gas Source	0.6Mpa (Clean gas source)
Machine Weight	About 620KG (based on the size of machine)
Electric Power Consume	2.7KW
Electric Power	AC220V/50, 60HZ

# WM-212-CB

Automatic strip rolling detection production line for blood glucose test strip

WM-212-CB血糖试纸全自动条形滚切检测生产线

- Scope of application:**  
Production of blood glucose test strip sheets
- Equipment workflow:**  
(sheet) automatic feeding → alignment cutting → discharge → automatic collection
- Equipment advantages:**  
The equipment performs positioning, cutting, and cutting-effect inspection fully automatically.



Model	WM-212-CB
Cutting Precision	Robot arm with visual coordination (error ±0.1mm within 300mm)
Maximum Cutting Width	25-40mm (Can be customized according to needs)
Qty of Roll Channel	4-12 channels (Customized according to needs)
Silo Capacity	About 300 sheets
Cutting Speed	About 10 seconds/sheet
CCD Detection	7 sets of visual inspection covering all production conditions; Can store photos from each production process
Impedance Detection	Customized according to needs
Receiving Materials Way	Fully automatic collection (labeled silo, defective product silo, finished product silo)
Programming	Touch screen interface input (and remote assistance)
Machine Size	2660mm×2450mm×1950mm (The size may vary depending on the layout)
Gas Source	0.6Mpa (Clean gas source)
Machine Weight	About 1220KG (based on the size of machine)
Electric Power Consume	3.2KVA
Electric Power	AC220V/50, 60HZ

# WM-201

Diagnostic test strip substrate forming machine

诊断试纸基材成型机

- Scope of Application:**  
Processing of drilling and die-cutting of base materials for diagnostic items such as blood glucose and blood lipids.
- Equipment Workflow:**  
Manual substrate feeding → Alignment → Punching/Die cutting → Test strip product discharge
- Equipment Advantages:**
  - Optional automatic marking sensing and calibration function for precise positioning.
  - The system operates efficiently and stably.
  - Custom Molding, enabling one-time hole forming.



Model	WM-201
Worktable Route	100mm-650mm (According to the sheet's real size to confirm)
Cutting Precision	Within ±0.03mm
Suitable Thickness	Within 1mm
Cutting Way	Die cutting and shaping
Maximum Size	100mm×450mm
Maximum Punching Pressure	Gas-liquid supercharging way, 3T-10T (Configuration can be selected)
Machine Size	760mm×600mm×1500mm (The size and shape will be different according to customized requirements)
Gas Source	0.6-0.8Mpa (Clean gas source)
Machine Weight	About 90-760KG
Electric Power Consume	About 1.3KW
Electric Power	AC220V/50, 60HZ

# WM-201-ZS

Diagnostic test strip roll shaped adhesive

诊断试纸卷状覆胶冲孔机



## Application:

Designed for adhesive coating and punching forming processes of diagnostic test strip substrates such as dry chemistry lipid and hemoglobin substrates.



## Workflow:

Automatic substrate feeding → Adhesive application → Lamination → Punching → Rewinding



## Advantages:

- The equipment performs automatic positioning and adhesive coating, capable of forming 240 holes in a single process.
- Optional CCD visual inspection system can be added to measure adhesive and punching dimensions, detect burrs and defects, and eliminate nonconforming products.



Model	WM-201-ZS
Worktable Route	Within 100mm width
Punching Precision	Within $\pm 0.02\text{mm}$
Suitable Thickness	Within 1mm
Cutting Way	Die-cutting and shaping type
Adhesive Covered Channel	Within 5 channels (The minimum clearance between channels is 0.2mm)
Maximum Punching Pressure	Gas-liquid supercharging way, 3T-5T (Configuration can be selected)
Machine Size	3760mm×800mm×1950mm (The size and shape will be different according to customized requirements)
Gas Source	0.6-0.8Mpa (Clean gas source)
Machine Weight	About 1060KG
Electric Power Consume	About 1.5KW
Electric Power	AC220V/50, 60HZ

# WM-202-XB

Blood glucose test strip PET sheet semi-automatic punching and forming machine

诊断试纸单片半自动滚切机



## Scope of Application:

Processing of blood glucose PET base cards.



## Equipment Workflow:

Manual Layer 1 feeding → Automatic punching → Product discharge → Automatic scrap collection → Automatic product collection



## Equipment Advantages:

- The system uses hole positioning to ensure precise cutting dimensions.
- Custom molds can be produced based on specific requirements. The minimum punching diameter is 0.8 mm, and up to 50 pieces can be formed in a single operation. The equipment can optionally include a CCD vision inspection system for automatic recognition of punching positions and size measurement.
- The mold adopts Japanese-imported SKD-61 alloy steel with vacuum heat treatment for excellent wear resistance and optional titanium surface coating for enhanced durability.



Model	WM-202-XB
Worktable Route	100mm-650mm (Can be customized according to product size)
Punching Precision	Cutting size within $\pm 0.02\text{mm}$
Positioning Precision	$\pm 0.1\text{mm}$
Suitable Thickness	Within 0.35mm
Cutting Speed	Top speed 20 times/min (each time)
Positioning	Automatic positioning
Mold Replacement Time	Less than 20 minutes
Maximum Punching Pressure	7T-10T (can be chosen)
Noise	Less than 70 decibels
Machine Size	2060mm×1200mm×1950mm (The size will be different according to customized requirements)
Gas Source	0.6-0.8Mpa (Clean gas source)
Machine Weight	About 900-1660KG
Electric Power Consume	About 5.5KW
Electric Power	AC220V/50, 60HZ

# WM-202-XZ

Blood glucose test strip PET sheet automatic punching and forming machine

血糖试纸PET底卡全自动冲孔成型机



- Scope of Application:**  
Processing of blood glucose PET base cards.
- Equipment Workflow:**  
Automatic Layer 1 feeding → Automatic punching → Product discharge → Automatic scrap collection → Automatic product collection

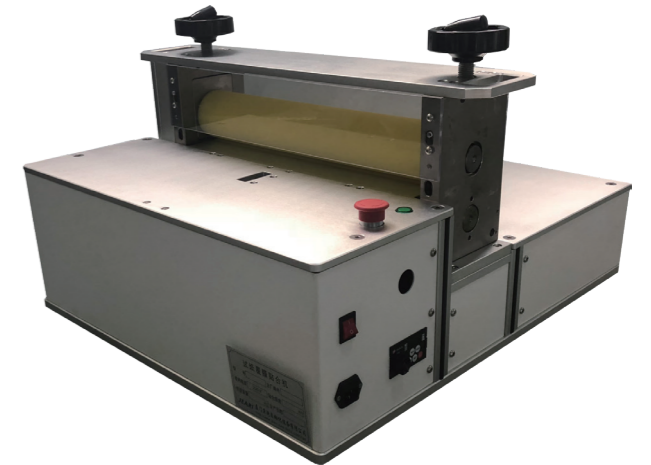
- Equipment Advantages:**
  - Custom molds can be designed according to different requirements. The minimum punching diameter is 0.8 mm, and up to 50 pieces can be formed per cycle. The equipment can be optionally equipped with a CCD vision inspection system for automatic recognition of punching positions and dimensional measurement.
  - The system supports roll-to-roll feeding, allowing continuous and efficient material processing.

Model	WM-202-XZ
Worktable Route	100mm-650mm (Can be customized according to size of product)
Punching Precision	Cutting size within ±0.02mm
Positioning Precision	±0.1mm
Suitable Thickness	Within 0.35mm
Silo Capacity	300 sheets
Cutting Speed	Top speed 20 times/min (each time)
Positioning	Automatic positioning
Mold Replacement Time	Less than 20 minutes
Maximum Punching Pressure	7T-10T (can be selected)
Machine Size	2760mm×1200mm×1950mm (The size will be different according to customized requirements)
Gas Source	0.6-0.8Mpa (Clean gas source)
Machine Weight	About 900-1660KG
Electric Power Consume	About 5.5KW
Electric Power	AC220V/50, 60HZ

# WM-203

Diagnostic test strip laminating machine

诊断试纸覆膜压合机



- Scope of Application:**  
Production process for pressing blood glucose substrates after multi-layer lamination.
- Equipment Workflow:**  
Manual feeding of Layer 1 / double-sided adhesive / hydrophilic film → Automatic lamination → Product discharge

- Equipment Advantages:**
  - The equipment automatically adjusts the downward pressure according to different product thicknesses and layer counts.
  - For special requirements, custom multi-module configurations can be provided, including multi-roller shaft functions or integration as a single working station within a fully automatic laminating line.

Model	WM-203
Worktable Route	100mm-480mm (Can be customized according to product size)
Suitable Thickness	Within 0.1-2.5mm
Speed	Can be adjusted, Maximum 400mm/s
Pressure	5-80KG (can be adjusted)
Machine Size	860mm×650mm×600mm (The size and shape will be different according to customized requirements)
Machine Weight	About 135KG
Electric Power Consume	About 0.4KW
Electric Power	AC220V/50, 60HZ

# WM-205-ZD

Blood glucose test strip fully automatic lamination production line

## 血糖试纸全自动贴合生产线



### Scope of Application:

Lamination and pressing process for blood glucose and electrochemical test strips.



### Equipment Workflow:

(Connectable with tunnel oven) Automatic material pickup → Automatic alignment → Lamination and pressing → CCD vision inspection → Defective product removal → Product discharge



### Equipment Advantages:

- Designed for the complete process of blood glucose test strip production—covering material pickup, alignment, lamination, pressing, and inspection—the system operates fully automatically. It automatically identifies printed marks and performs alignment correction, ensuring precise lamination onto the electrode substrate with high speed, efficiency, and stability.
- The system can be integrated with a tunnel oven for automatic material transfer. Multiple lamination stations can be added, and the lamination quality is automatically inspected, with defective products automatically removed.



Model	WM-205-ZD
Laminating Times	Customized according to customer needs
Production Efficiency	Efficiency may vary depending on the product process and fit requirements
Worktable Size	(Base plate) Within 500mm×500mm
Raw Material Feeding Way	Roll-shaped raw materials (Maximum 4 for blood glucose test strips)
Tunnel Furnace Waiting for Material Silo	Can stay for 30 pieces
Adhesive Isolation Paper	Automatic recycling
Adhesive Error	±0.1mm
CCD Detection	Detection of material enzyme dispensing, substrate positioning, adhesive film positioning correction, adhesive effect
Programming	Touch screen interface input
Gas Source	0.6Mpa (Clean gas source and requires a storage tank of no less than 1 cbm)
Machine Size	3800mm×1200mm×1950mm
Electric Power Consume	4.2KW
Machine Weight	About 1800KG

# WM-205

Blood glucose test strip semi-automatic lamination machine

## 血糖试纸半自动贴合机



### Scope of Application:

Lamination and pressing process for blood glucose and electrochemical test strips.



### Equipment Workflow:

Manual feeding of Layer 1 / double-sided adhesive / hydrophilic film → Automatic lamination → Product discharge



### Equipment Advantages:

- Designed for lamination of hydrophilic films and capillary channels in blood glucose test strips, the equipment uses positioning slots or positioning holes for precise alignment and ensures accurate adhesion to the electrode substrate. It provides high speed, efficiency, and stable quality, making it an ideal production device for manufacturers.
- For processes requiring thermal lamination, the system can be optionally equipped with heat-press modules, allowing adaptation to different material properties and process requirements.



Model	WM-205
Adhesive Channel	Customized according to customer's requirement (Maximum 12 channels)
Production Efficiency	Efficiency will vary depending on the product's process and fit requirements
Worktable Size	(Base plate) Within 500mm×500mm
Raw Material Shape	Sheet
Positioning Methods	Positioning slot or hole
Adhesive Error	±0.1mm
Adsorption Way	Vacuum
Gas Source	0.6Mpa (Clean gas source and requires a storage tank of no less than 1 cbm)
Machine Size	1250mm×900mm×1600mm
Electric Power Consume	0.5KW
Machine Weight	About 190KG

# WM-230

Diagnosis test strip single piece desktop rolling cutting machine

## 诊断试纸单片桌面式滚切机

### Scope of Application:

Production of blood lipid and hemoglobin test strips.

### Equipment Workflow:

(Single-row sheet) Automatic feeding → Roll cutting → Product discharge → Automatic bottling

### Equipment Advantages:

- During cutting of multilayer membrane test strips, the process features non-contact operation with no pre-pressing, ensuring that the cutting blades do not damage the membrane surface. The blade edge angle is precisely designed to produce smooth cutting surfaces without causing membrane edge breakage or deformation. Optional titanium surface treatment can be applied for enhanced durability and extended tool life.



Model	WM-230
Worktable Route	200mm-460mm (Can be customized according to size of product)
Cutting Precision	±0.1mm (There may be slight fluctuations depending on the material used)
Suitable Thickness	Within 1.5mm
Roll Cutting Alignment Way	Manual alignment
Static Electricity Removal & Dust Suction Function	Can be added
Rolling Efficiency	220rpm/min (can be adjusted)
Programming	No need to edit program
Machine Size	660mm×630mm×520mm (The size may vary depending on the layout)
Gas Source	0.6Mpa (Clean gas source)
Machine Weight	About 75KG
Electric Power Consume	0.6KW
Electric Power	AC220V/50, 60HZ

# WM-231

Diagnostic test strip semi-automatic membrane cutting machine

## 诊断试纸半自动膜切割机

### Scope of Application:

Non-contact cutting production for dry chemical test strips.

### Equipment Workflow:

(Sheet material) Automatic feeding → Roll cutting → Product discharge

### Equipment Advantages:

- The system is designed for sheet-form raw materials and supports cutting of different membrane types such as PET and double-sided adhesive films. Cutting tools can be customized for various widths, with a minimum cutting width of 3 mm, making it an ideal auxiliary device for manufacturers.



Model	WM-231
Worktable Route	60mm-200mm, 150mm-300mm (Can be customized according to size of product)
Cutting Precision	±0.03mm (There may be slight fluctuations depending on the material used)
Suitable Thickness	Within 0.2mm
Type of Material	Sheet
Cutting Channels	Maximum 60 channels (can be customized according to needs)
Cutting Width	3mm-20mm (Can be customized)
Rolling Efficiency	210rpm/min (can be adjusted)
Programming	No need to edit the program
Machine Size	760mm×630mm×520mm (The size may vary depending on the layout)
Machine Weight	About 75KG
Electric Power Consume	0.3KW
Electric Power	AC220V/50, 60HZ

# WM-231-JS

Diagnostic test strip roll shaped membrane desk-top cutting machine

诊断试纸卷状膜材桌面式切割机

### Scope of Application:

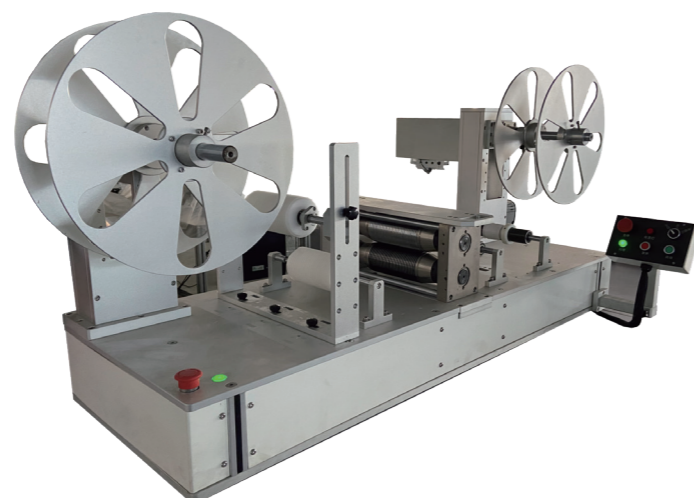
Roll-type cutting production for dry chemical membrane materials.

### Equipment Workflow:

(Roll material) Automatic feeding → Roll cutting → Automatic collection

### Equipment Advantages:

• The equipment uses roll-form raw materials. The tension of both the unwinding and rewinding sections can be dynamically adjusted in real time during cutting. It can process various membrane materials such as PET and double-sided adhesive films. Custom cutting tools are available for different widths, with a minimum cutting width of 3 mm, making it an ideal auxiliary device for production enterprises.



Model	WM-231-JS
Worktable Route	60mm-200mm, 150mm-300mm (Can be customized according to size of product)
Cutting Precision	±0.03mm (There may be slight fluctuations depending on the material used)
Suitable Thickness	Within 0.2mm
Type of Material	Roll
Cutting Channel	Maximum 60 channels (can be customized according to needs)
Cutting Width	3mm-20mm (Can be customized)
Tension Control	Can control the tension of feeding and receiving separately
Rolling Efficiency	210rpm/min (can be adjusted)
Programming	No need to edit the program
Machine Size	1060mm×630mm×520mm (The size may vary depending on the layout)
Machine Weight	About 75KG
Electric Power Consume	0.6KW
Electric Power	AC220V/50, 60HZ

# WM-402

Dry chemical multi-channel liquid dispensing machine

干式化学法多通道点液机

### Scope of Application:

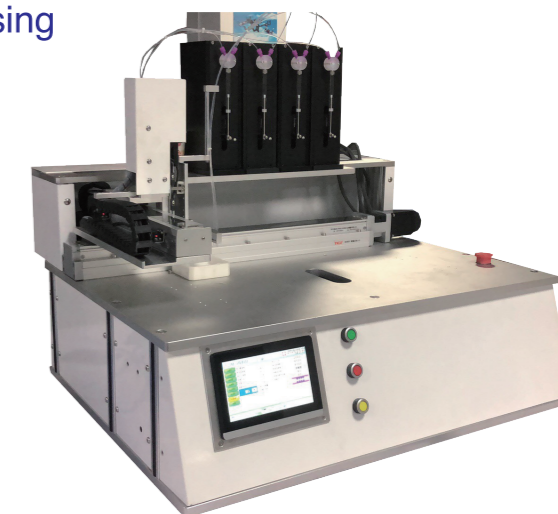
Designed for dry chemistry test strip membrane spotting processes.

### Equipment Workflow:

Add solution → Manually place substrate card → Spotting → Manual unloading

### Equipment Advantages:

- The system can be customized with a sealed external cover, equipped with temperature, humidity, and lighting control to ensure a stable and optimal production environment.
- The number of dispensing channels can be expanded as needed, and a low-temperature reagent storage module can be integrated. The coordinate system includes an automatic needle-lifting function, allowing individual height settings for each dispensing position.
- Each channel can operate independently with different reagent volumes, supporting up to 5 distinct reagent types simultaneously. The channels are fully isolated to prevent cross-contamination during reagent handling.



Model	WM-402
Coordinate Error	±0.02mm
Accuracy of Sampling Full Stroke	<2%
Precision of Sampling Full Stroke	≤1%
Specification Of Syringe	Between 50μL and 50mL
Standard Dispensing /Aspiration Accuracy	6000 dot values
Micro-step Dispensing /Aspiration Accuracy	18000 dot values
Dispensing Volume	500nL-10μL
Number of Channels	5 channels
Dispensing Speed	2-7 times/second (The speed will vary according to the pumps and valves)
Coordinate Movement Speed	Max 15 meters/minute
Machine Size	760mm×550mm×600mm, Size wil be vary according to different product
Electric Power Consume	About 1.7KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 85KG

# WM-420

Dry chemical sheet membrane dipping machine

干式化学片式材料浸泡膜机

## Scope of Application:

This equipment is designed for small-scale testing and R&D immersion processes of dry chemical test strip membranes.

## Equipment Workflow:

Sheets feeding → Immersion → Manual removal / automatic rewinding → Product discharge

## Equipment Advantages:

- The equipment can be customized with an external sealed protective cover and an internal temperature and humidity control system to maintain an optimal production environment.
- The device supports two interchangeable immersion tank capacities, with heating and cooling control to regulate liquid temperature. It is equipped with an automatic liquid-level sensor for automatic fluid replenishment.
- The equipment adopts a roller-type self-absorption single-sheet feeding system. The rollers are made of Teflon (PTFE) material for faster and easier cleaning.



Model	WM-420
Raw Material Width	300mm*300mm
Reagent Tank Temperature	2°C-50°C (customized)
Reagent Tank Capacity	500mL
Production Efficiency	Max 3 pieces per minute
Programming	Touch screen interface input
Machine Size	660mm*460mm*450mm
Electric Power Consume	About 0.7KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 80KG

# WM-421

Dry chemical roll membrane dipping machine

干式化学卷式浸泡膜机

## Scope of Application:

This equipment is designed for large-scale immersion production of roll-type dry chemical test strip membranes.

## Equipment Workflow:

Roll feeding → Immersion → Manual removal / automatic rewinding → Product discharge

## Equipment Advantages:

- The device supports two immersion tank capacities, with both heating and cooling functions for temperature control. It includes an automatic liquid-level sensor for automatic liquid replenishment.
- Equipped with an integrated roll-type drying chamber using hot-air baking. The airflow speed and direction are adjustable for optimized drying efficiency. The rewinding unit is driven by a precision torque motor with adjustable torque to prevent tension inconsistency during winding.
- Suitable for various immersion and drying materials. Standard material width: 30-180 mm, customizable up to 150-300 mm.



Model	WM-421
Raw Material Width	30-180mm, 150-300mm
Reagent Tank Temperature	2°C-50°C (customized)
Reagent Tank Capacity	300-2000mL
Drying Temperature	30-100°C Hot air circulation
Temperature Error in Drying Oven	±2°C
Humidity in Drying Oven	Lower than 10%
Production Speed	200-6500mm/minute
Maximum Outer Diameter	400mm
Winding/Unwinding Torque	Can be adjusted separately
Programming	Touch screen interface input
Machine Size	2030mm*660mm*1900mm
Electric Power Consume	About 9.5KW
Electric Power	380V/50,60HZ
Machine Weight	About 730KG

# WM-461

Semi-automatic hot press machine for dry chemical test strip

干式化学试纸半自动热压机

### Scope of Application:

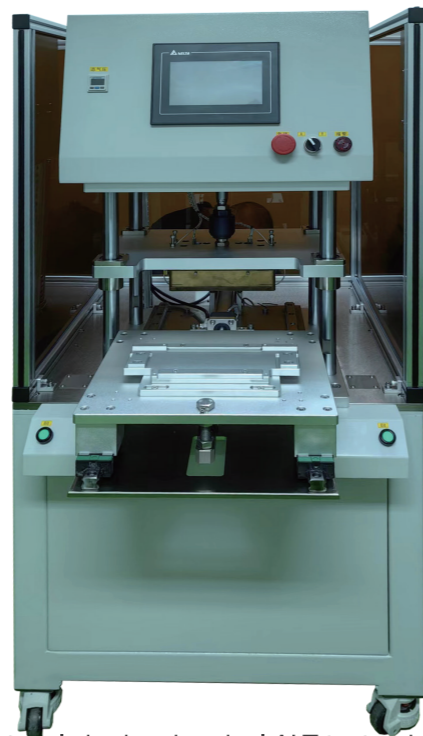
This equipment is developed for dry chemical ALT test strips and similar products that require bonding and fixation of multilayer materials using adhesive under heat and pressure.

### Equipment Workflow:

Sheet manual feeding → Heated pressing and shaping → Manual removal

### Equipment Advantages:

- Specifically designed for the bonding process of multilayer materials in dry chemical ALT test strips.
- The temperature, pressing height, and angle during the lamination process are adjustable. The system ensures uniform, flat bonding with consistent height on both sides, delivering high speed, high efficiency, and stable quality—ideal for production environments.
- The fixture design facilitates easy and accurate placement of multiple materials, preventing slippage or misalignment during operation.



Model	WM-461
Hot Pressing Times	Can be customized according to customer requirements (multiple times)
Work Table Size	(Base plate) Within 300mmX300mm
Heating Temperature	0-140°C (can be adjusted)
Temperature Error	±2°C
Pressurization Way	Cylinder pressurization
Programming	Touch screen interface input
Gas Source	0.6Mpa
Machine Size	700mm*700mm*1700mm
Electric Power Consume	About 4.2KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 200KG

# WM-462

Dry chemical test strip hot-melt adhesive coating machine

干式化学试纸垫高层涂胶机

### Scope of Application:

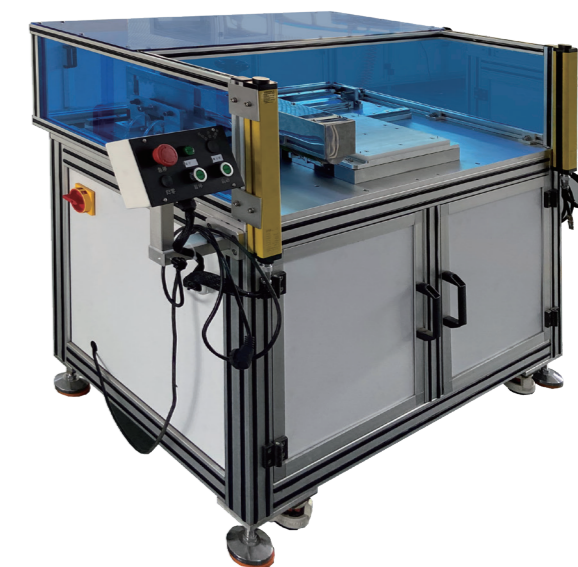
Designed for dry chemical ALT test strips and similar products requiring hot-melt adhesive coating on elevated layers.

### Equipment Workflow:

Sheet feeding → Glue coating → Manual removal

### Equipment Advantages:

- The system applies adhesive onto substrates using an independent three-axis motion system, allowing flexible path settings (linear, circular, or custom patterns). It delivers high speed, high efficiency, and stable quality—an ideal production solution for manufacturers.
- The adhesive melting system has independently adjustable temperature settings for rapid melting and includes a temperature protection timer to prevent yellowing of the hot-melt adhesive.



Model	WM-462
Work Table Size	(Base plate) Within 500mmX300mm
Production Efficiency	The efficiency may vary depending on the product process and gluing height requirements
Adhesive Bucket Capacity	5L
Sol-gel Speed	>5KG (5 minutes)
Maximum Sol-gel Temperature	200°C
Pressure Extruding Glue	5Mpa
Minimum Glue Output	0.5mm
Programming	Touch screen interface input
Gas Source	0.6Mpa
Machine Size	1200mm*700mm*1700mm
Electric Power Consume	About 7.2KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 200KG

# WM-530

Dry chemical test strip roll laminating machine

干式化学试纸卷式贴膜机



### Scope of Application:

Developed for the multilayer lamination production process of dry chemical test strips.



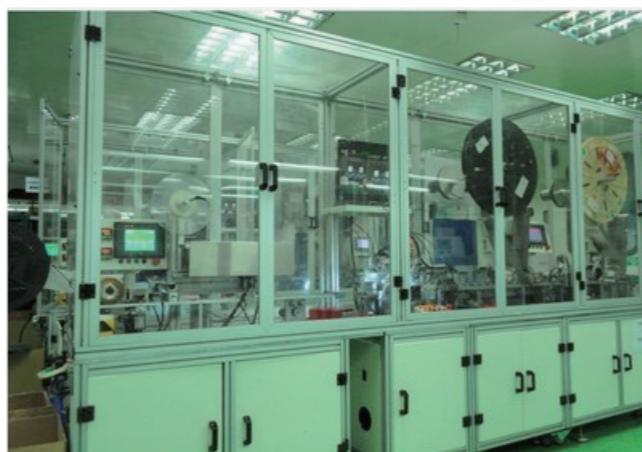
### Equipment Workflow:

Roll feeding → Film lamination → Manual removal



### Equipment Advantages:

- The equipment is designed for dry chemical test strip materials such as mesh, blood filtration membranes, and color development films. It features precise positioning and independent torque control for all unwinding and release-film winding shafts, maintaining consistent traction tension. It can automatically complete multi-material lamination, pressing, and cutting processes with high speed, efficiency, and stable quality—an ideal production device for manufacturers.
- Depending on the process requirements, the equipment supports up to six roll-material feeding channels, enabling simultaneous lamination of six materials.



Model	WM-530
Laminating Channels	Maximum 6 channels (Can be customized according to needs)
Production Efficiency	The efficiency may vary depending on the production process and laminating requirements of the product
Work Table Size	(Base plate) Within 100mm
Raw Material Feeding Way	Roll materials
Adhesive Isolation Paper	Automatic recycling
Positioning Method	Edge positioning
Length Calculation	Including fixed-length cutting
Laminating Error	±0.1mm
CCD Detection	Can be added according to customer requirements (optional)
Programming	Touch screen interface input
Machine Size	2700mm*1200mm*1950mm
Electric Power Consume	About 3.2KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 800KG

# WM-530-ZL

Dry chemical test strip desktop laminating machine

干式化学试纸桌面式贴膜机



### Scope of Application:

Developed for the multilayer lamination production process of dry chemical test strips.



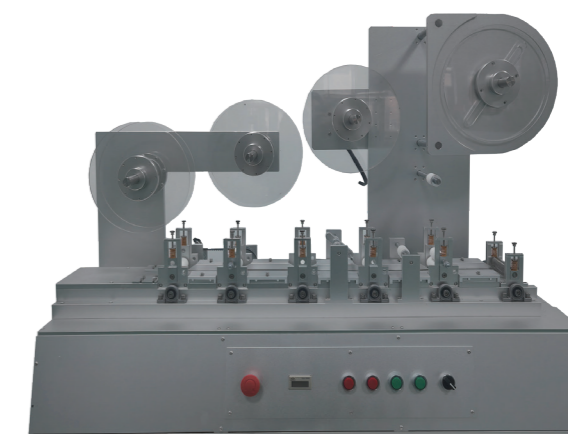
### Equipment Workflow:

Roll feeding → Film lamination → Manual removal



### Equipment Advantages:

- The equipment is designed for dry chemical test strip materials such as mesh, blood filtration membranes, and color development films. It features precise positioning, with independent torque control for each unwinding and release-film winding shaft, ensuring consistent tension during material traction. The system can automatically perform multi-material lamination, pressing, and cutting with high speed, efficiency, and stable quality—an ideal production device for manufacturers.
- Depending on the process requirements, the equipment supports up to four roll-material feeding channels, allowing simultaneous lamination of four different materials.



Model	WM-530-ZL
Laminating Channels	Maximum 4 channels (Can be customized according to needs)
Production Efficiency	The efficiency may vary depending on the production process and laminating requirements of the product
Work Table Size	(Base plate) Within 100mm
Raw Material Feeding Way	Roll materials, sheet materials
Adhesive Isolation Paper	Manual recycling
Positioning Method	Edge positioning
Length Calculation	Including fixed-length cutting
Laminating Error	±0.1mm
CCD Detection	Can be added according to customer requirements (optional)
Programming	Touch screen interface input
Machine Size	900mm*500mm*650mm
Electric Power Consume	About 1.7KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 160KG

# WM-531

Dry chemical test paper sheet material laminating machine

干式化学试纸片状材料贴合机



### Scope of Application:

Designed for the lamination process in the production of dry chemical test strip products.

### Equipment Workflow:

Sheet feeding → Film lamination → Manual removal

### Equipment Advantages:

- This equipment is designed for materials such as mesh, blood filtration membranes, and color development films used in dry chemical test strips. Positioning is performed manually, while lamination is carried out automatically—an ideal production device for manufacturers.
- The equipment supports up to six roll-material feeding channels, allowing simultaneous lamination of six different materials according to process requirements.

Model	WM-531
Laminating Channels	3 channels (Can be customized according to needs)
Production Efficiency	The efficiency may vary depending on the production process and laminating requirements of the product
Work Table Size	(Base plate) Within 300mm*60mm
Raw Material Feeding Way	Sheet materials
Positioning Method	Edge positioning
Laminating Error	±0.15mm
Programming	Touch screen interface input
Gas Source	0.6Mpa (Clean gas source and requires a storage tank of no less than 1cbm)
Machine Size	700mm*400mm*450mm
Electric Power Consume	About 1.0KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 70KG

# WM-601

Urine test strip membrane dipping and dry machine

尿试纸滤纸浸渍干燥机



### Scope of Application:

Roll-type soaking and drying production for large-scale processing of filter paper base materials.

### Equipment Workflow:

Roll feeding → Soaking → Automatic rewinding

### Equipment Advantages:

- The paper-feeding rollers can be made of stainless steel 304 or PTFE (Teflon) material. The raw filter paper passes through a customized soaking bath and a temperature-controlled drying chamber with adjustable speed and airflow, and is then rewound for subsequent cutting processes.
- The integrated roll-type drying chamber uses hot air circulation with adjustable airflow direction for faster and more uniform drying. The precision torque motor ensures stable winding speed and tension, preventing inconsistencies in tightness.

Model	WM-601
Raw Material Width	150-300mm
Reagent Tank Capacity	1L
Drying Temperature	50-120°C Hot air circulation
Temperature Error in Drying Oven	±2°C
Humidity in Drying Oven	Lower than 10%
Production Speed	30-100 meters/hour
Maximum Outer Diameter	400mm
Winding/Unwinding Torque	Can be adjusted by parameters
Programming	Touch screen interface input
Machine Size	2050mm*1000mm*1950mm
Electric Power Consume	About 19.5KW
Electric Power	380V/50,60HZ
Machine Weight	About 750KG

# WM-602

Urine test paper laminating machine

尿试纸滤纸复合机

### Scope of Application:

Production of multi-channel laminated filter paper for urine test strips.

### Equipment Workflow:

Roll feeding → Release liner removal → Automatic lamination → Cutting → Product discharge

### Equipment Advantages:

- This equipment is developed specifically for the multi-channel composite lamination process of urine test strip filter paper, achieving fully automated production with no manual operation required.



Model	WM-602
Laminating Channels	15 channels
Production Efficiency	1-6 meters/minute
Work Table Size	(Base plate) Within 200mm
Raw Material Feeding Way	Roll materials
Adhesive Isolation Paper	Automatic recycling
Position Method	Fixed-length cutting
Laminating Error	±0.1mm
CCD Detection	Can be added according to customer requirements (optional)
Programming	Touch screen interface input
Gas Source	0.6Mpa (Clean gas source and requires a storage tank of no less than 1cbm)
Machine Size	2500mm*1000mm*1600mm
Electric Power Consume	About 1.2KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 800KG

# WM-604

urine test strip semi-automatic rolling and cutting machine

尿试纸半自动滚切机

### Scope of Application:

Single-strip cutting production for urine test strips.

### Equipment Workflow:

Automatic feeding → Alignment → Roll cutting → Manual bottling

### Equipment Advantages:

- The cutting chamber is made of light-shielding material and equipped with a dust extraction system. The system performs automatic material feeding and edge alignment, while the discharge section uses a conveyor belt for collection. It provides high speed, efficiency, and stable quality—an ideal production device for test strip manufacturers.
- The cutting blades are made of Japanese HSS high-speed alloy steel, offering excellent wear resistance and long service life. Optional titanium coating is available upon customer request for enhanced durability.



Model	WM-604
Work Table Route	300mm
Rolling Cutting Precision	Error ±0.05mm (There may be slight fluctuations depending on the material)
Silo Capacity	200 sheets
Cutting Thickness	Flat surface within 0.15mm
Suitable Size	60-130mm
Edge Material Handling	Automatic removal of edge material
Rolling Cutting Alignment Way	Edge positioning
Static Electricity Removal and Dust Suction Function	Can be added (optional)
Rolling Efficiency	Standard: 210rpm/min, speed can be adjusted
Gas Source	0.6Mpa (Clean gas source)
Machine Size	960mm*600mm*1200mm, Size will be vary according to different product
Electric Power Consume	About 1.4KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 180KG

# WM-605

Urine test strip automatic roll cutting machine

尿试纸自动切割装瓶机



### Scope of Application:

Single-strip cutting production for urine test strips.

### Equipment Workflow:

Automatic feeding → Alignment → Roll cutting → Automatic bottling

### Equipment Advantages:

- The entire system is enclosed with an external protective cover and equipped with a dust extraction system for effective dust control. The equipment performs automatic material pickup, edge alignment, automatic collection, desiccant dispensing, and the production process is monitored in real time by a CCD vision system. It features high speed, high efficiency, and stable quality—an ideal production device for manufacturers.
- The bottle loading system adopts a platform-style feeding design, capable of holding 500–600 bottles at a time.

Model	WM-605
Rolling Cutting Precision	Error ±0.05mm (There may be slight fluctuations depending on the material)
Silo Capacity	300 sheets
Cutting Thickness	Flat surface within 0.15mm
Suitable Size	60-130mm
Suitable Bottle Size	38-50mm
Edge Material Handling	Automatic removal of edge material
Noise	Lower than 70 decibels
Static Electricity Removal and Dust Suction Function	Can be added (optional)
Cutting Efficiency	16-18 bottles per minute (100 pieces including desiccant)
Gas Source	0.6Mpa (Clean gas source)
Machine Size	960mm*600mm*1200mm, Equipment dimensions may vary depending on the work surface configuration.
Electric Power Consume	About 3.4KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 880KG

# WM-704

single serving dry chemical luminescence production line

单人份干式化学发光生产线



### Scope of Application:

Developed for small-scale R&D production of single-use dry chemical chemiluminescence products.

### Equipment Workflow:

Automatic feeding → Filling → Aluminum film sealing → Automatic placement of filter paper → Placement of lyophilized balls → Lamination → Defective inspection → Defective removal → Product discharge

### Equipment Advantages:

- The system achieves fully automated production, ensuring high speed, efficiency, and stable product quality—an ideal solution for diagnostic product manufacturers.
- The user interface is intuitive and easy to operate, minimizing the need for repetitive screen switching. The control logic aligns with ergonomic operation habits, providing a comfortable and effortless working experience. Empty and full collection boxes can be alternated easily, simplifying operation and saving floor space.

Model	WM-704
Filling Channels	2-channels
Production Efficiency	1600-1800 pieces/hour
Aluminum Foil Material	Roll materials, die-cut within equipment
Glass Fiber Filter	Roll materials, die-cut within equipment
Viewport	Lamination or ultrasonic bonding (depending on material selection)
Flow Accuracy	Within 3% error (The error will vary according to the viscosity of the liquid to be filled)
Filling Pump	Plunger pump
Heat Sealing Temperature	0-160°C (can be adjusted)
CCD Detection	Six sets of CCD vision systems monitor the entire production process, inspecting liquid volume, detecting foreign objects, verifying aluminum foil seal integrity, confirming fiber filter paper placement, verifying freeze-dried pellet insertion, ensuring window film alignment, and performing overall shape inspection.
Defective Product Handling	Automatic removal
Gas Source	0.6Mpa
Machine Size	3700mm*1200mm*1950mm (Single)
Electric Power Consume	About 5.2KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 1950KG

# WM-401-LS

Vertical multi-channel automatic microscale liquid dispensing machine

立式多通道自动微量点液喷涂机

### Scope of Application:

For production of products requiring reagent spraying or droplet dispensing, such as biochips, biosensors, and enzyme spotting applications.

### Equipment Workflow:

Add solution → Manually place substrate card → Spraying/spotting → Manual unloading

### Equipment Advantages:

- The equipment can be customized with an external sealed enclosure and equipped with temperature and humidity control instruments to ensure a stable production environment.
- It features an independent XYZ three-axis system, allowing customized linear, circular, or array-type spraying patterns based on product specifications.



Model	WM-401-LS
Coordinate Error	±0.02mm
Accuracy of Sampling Full Stroke	<2%
Precision of Sampling Full Stroke	≤3%
Number of Channels	1-5 channels
Specification Of Syringe	Between 10μL and 100mL
Dispensing Volume	500nL-5μL
Dispensing Speed	Max3-5 times per second
Atomization Area	2mm-12mm (Can be customized according to requirements)
CCD Detection	Can be added (optional)
Machine Size	960mm×960mm×1950mm, Size will be vary according to different product
Electric Power Consume	About 1.7KW
Electric Power	AC220V/50,60HZ
Gas Source	0.6-0.8Mpa (optional)
Machine Weight	About 160KG

# WM-401LZ-PS

Vertical automatic multi-channel PCR dispensing machine

立式自动多通道PCR微量点膜机

### Scope of Application:

Developed for PCR product manufacturers, this equipment offers a significant advantage for reagent dispensing processes involving more than 25 channels.

### Equipment Workflow:

Add solution → Manually place substrate card → Spotting → Manual unloading

### Equipment Advantages:

- The system can be customized with an external sealed protective enclosure, and equipped with temperature and humidity control instruments to maintain optimal environmental conditions for product manufacturing.
- Each channel can be independently configured with different parameters and dosing volumes. The system supports up to 32 fully independent reagent channels, ensuring complete sample isolation to prevent any risk of cross-contamination.



Model	WM-401LZ-PS
Coordinate Error	±0.02mm
Accuracy of Sampling Full Stroke	<2%
Precision of Sampling Full Stroke	≤1%
Specification Of Syringe	Between 50μL and 50mL
Standard Dispensing /Aspiration Accuracy	6000 dot values
Micro-step Dispensing /Aspiration Accuracy	18000 dot values
Dispensing Volume	200nL-1μL
Number of Channels	Max 32 channels
Dispensing Speed	2-100times/second
CCD Detection	Can be added (optional)
Machine Size	1360mm×1060mm×1950mm, Size wil be vary according to different product
Electric Power Consume	About 2.7KW
Electric Power	AC220V/50,60HZ
Gas Source	0.6-0.8Mpa (optional)
Machine Weight	About 280KG

# WM-403

Blood glucose test strip multi-channel micro dispensing machine

血糖试纸多通道微量喷点机

### Scope of Application:

Developed for biochip and biosensor manufacturers.

### Equipment Workflow:

Add solution → Manually place substrate card → Spotting → Manual unloading

### Equipment Advantages:

- The equipment can be customized with an external sealed enclosure, and equipped with temperature, humidity, and illumination control systems to maintain optimal environmental conditions for production.
- The system can integrate a CCD vision module for precise alignment of surface-printed markers or color blocks (such as electrodes or guide lines). It adopts an independent three-axis motion system, capable of executing linear, circular, or array-type dispensing patterns according to product requirements.



Model	WM-403
Coordinate Error	±0.02mm
Accuracy of Sampling Full Stroke	<2%
Precision of Sampling Full Stroke	≤1%
Specification Of Syringe	Between 50μL and 1mL
Standard Dispensing Step Value	24000 dot values
Micro-step Dispensing Step Value	48000 dot values
Dispensing Volume	50nL-1μL
Number of Channels	1-16 channels
Channel Parameters	The reagent dosage for each channel can be set separately
CCD Positioning	Can be added (optional)
Machine Size	760mm×550mm×600mm, Size will be vary according to different product
Electric Power Consume	About 1.7KW
Electric Power	AC220V/50,60HZ
Gas Source	0.6-0.8Mpa(optional)
Machine Weight	About 90KG

# WM-403-ZL

Blood glucose test strip multi-channel automatic positioning micro enzyme dispensing machine

血糖试纸多通道自动定位微量点酶机

### Scope of Application:

Developed for biochip and biosensor manufacturers.

### Equipment Workflow:

Add solution → Manually place substrate card → Spotting → Automatic unloading

### Equipment Advantages:

- The system is equipped with a CCD vision alignment module to precisely locate features or color marks printed on product surfaces (such as electrodes or reference lines).
- It features an independent five-axis motion system, allowing flexible programming for linear, circular, or array-type spotting patterns. The system can automatically adjust according to different target positions, and post-spotting, the CCD system automatically inspects and verifies the dispensing results.



Model	WM-403-ZL
Calibration Coordinate Effective Travel	15mmX15mm
CCD Vision Positioning Accuracy	±0.03mm
Specification Of Syringe	Between 50μL and 1mL
Standard Dispensing /Aspiration Accuracy	24000 dot values
Micro-step Dispensing /Aspiration Accuracy	48000 dot values
Dispensing Volume	50nL-10μL
Number of Channels	1-16 channels
Channel Parameters	The reagent dosage for each channel can be set separately
CCD Detection	2 sets of visual inspection equipment for coordinate positioning and dispensing effect detection
Machine Size	960mm×850mm×600mm, Size will be vary according to different product
Electric Power Consume	About 1.7KW
Electric Power	AC220V/50,60HZ
Gas Source	0.6-0.8Mpa (optional)
Machine Weight	About 200KG

# WM-404

Blood glucose test strip cross station automatic micro dispensing machine

血糖试纸交叉工位自动微量点酶机

### Scope of Application:

This equipment is developed for biochip and biosensor manufacturers.

### Equipment Workflow:

Add solution → Manually place substrate card → Spotting → Manual unloading

### Equipment Advantages:

- The system is designed with two intersecting workstations that operate alternately to significantly improve production and inspection efficiency. It can also be customized with an external sealed protective enclosure, equipped with temperature and humidity control instruments to ensure an optimal production environment inside the machine.



Model	WM-404
Calibration Coordinate Effective Travel	15mmX15mm
CCD Visual Positioning Precision	±0.03mm
Specification Of Syringe	Between 50μL and 1mL
Standard Dispensing Step Value	24000 dot values
Micro-step Dispensing Step Value	48000 dot values
Dispensing Volume	50nL-1μL
Number of Channels	1-16 channels
Channel Parameters	The reagent dosage for each channel can be set separately
CCD Detection	1 set of visual inspection equipment for dispensing effect detection
Machine Size	1060mm×1250mm×1950mm, Size will be vary according to different product
Electric Power Consume	About 1.9KW
Electric Power	AC220V/50,60HZ
Gas Source	0.6-0.8Mpa(optional)
Machine Weight	About 280KG

# WM-412

Fully automatic enzyme dispensing production line for blood glucose test strips

血糖试纸全自动点酶生产线

### Scope of Application:

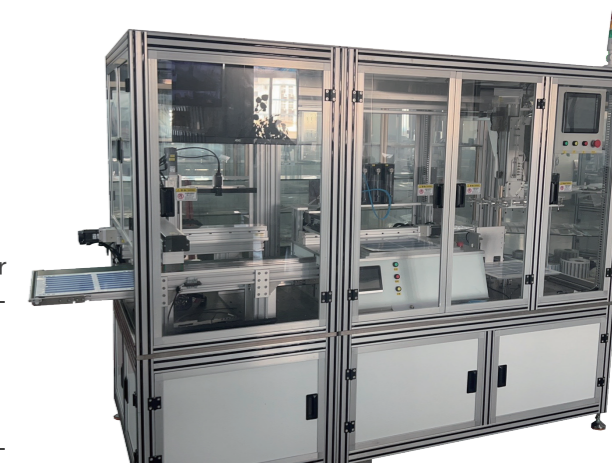
This fully automated production line is designed for large-scale enzyme-spotting processes in electrochemical test strip manufacturing.

### Equipment Workflow:

Add solution → Manually place substrate card → Spotting → Automatic unloading

### Equipment Advantages:

- The equipment provides a fully automated production process, including automatic loading/unloading, automatic positioning, automatic enzyme dispensing, visual inspection for defects, defect marking, and automatic transfer of finished products to a tunnel oven or vertical dryer.
- The system supports multiple independent reagent channels with adjustable dosing volumes—up to 25 channels. A conical calibration tube ensures real-time correction of dispensing volumes during operation.

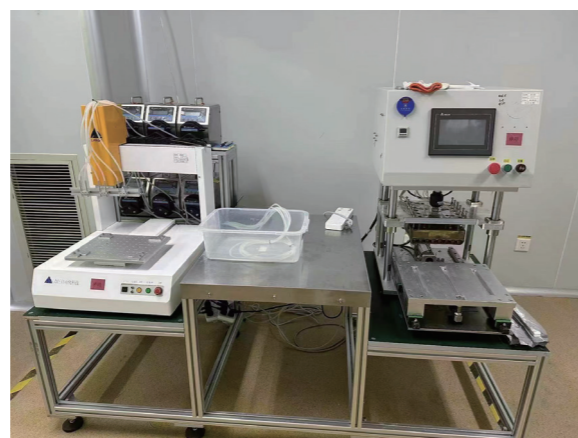


Model	WM-412
Accuracy of Sampling Full Stroke	<2%
Precision of Sampling Full Stroke	≤1%
Silo Capacity	200 sheets
Specification Of Syringe	Between 50μL and 1mL
Dispensing Volume	500nL-5μL
Number of Channels	5-25 channels
CCD Detection	Coordinate positioning and dispensing result detection
Marker	Marked with color
Connection and transmit	Conveyor belt
Outlet Connection	Tunnel furnaces or elevator style ovens
Machine Size	2560mm*1050mm*1950mm
Electric Power Consume	About 3.7KW
Gas Source	0.6-0.8Mpa
Machine Weight	About 980KG

# WM-701

Diagnostic reagent semi-automatic filling and sealing machine

## 诊断试剂半自动灌装封膜机



**Scope of Application:**  
Designed for diagnostic reagent filling and aluminum foil sealing production.

**Equipment Workflow:**  
Manual loading → Filling → Sealing → Product discharge

**Equipment Advantages:**

- When higher production capacity is required, the system can be expanded into a full production line by adding positioning fixtures and operators, achieving throughput of 15,000–18,000 units per hour.
- The cutting tools are made from Japanese HSS high-speed alloy steel blades, providing excellent wear resistance and durability. Optional titanium coating is available based on customer requirements.
- The user interface is designed to be intuitive and easy to operate, with logical controls that minimize screen switching, providing a comfortable and efficient user experience.

Model	WM-701
Filling Channels	6 stations
Production Efficiency	8 seconds process(accoring to 48 fxtures)
Flow Accuracy	Within 5% error (The error will vary according to the viscosity of the liquid to be filled)
Filling Pump	Peristaltic pump
Heat Sealing Temperature	0-160°C (can be adjusted)
Filling Mode	Three coordnate movement
Programming	Touch screen interface input
Gas Source	0.6Mpa
Machine Size	2000mm*900mm*1600mm (Single)
Electric Power Consume	About 3.3KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 300KG

# WM-702

Diagnostic reagent fully automatic filling and sealing machine

## 诊断试剂全自动灌装封膜机



**Scope of Application:**  
Developed for diagnostic reagent filling and aluminum foil sealing processes.

**Equipment Workflow:**  
Automatic loading → Filling → Foil sealing → Automatic defect detection → Defective product removal → Product discharge

**Equipment Advantages:**

- This equipment is designed to achieve fully automated production, including automatic loading/unloading, filling, foil sealing, defect inspection, and automatic rejection of defective products.
- The system provides high-speed, stable, and reliable operation, ensuring consistent production quality and efficiency, making it an ideal solution for diagnostic reagent manufacturers.

Model	WM-702
Filling Channels	6 channels
Production Efficiency	4500-5000 pieces/hour
Aluminum Foil Material	Roll materials, die-cut within equipment
Flow Accuracy	Within 5% error (The error will vary according to the viscosity of the liquid to be filled)
Filling Pump	Peristaltic pump
Heat Sealing Temperature	0-160°C (can be adjusted)
CCD Detection	Detection of liquid volume, detection of foreign objects, detection of aluminum foil seal integrity
Defective Product Handling	Automatic removal
Programming	Touch screen interface input
Gas Source	0.6Mpa
Machine Size	2200mm*1200mm*1950mm (Single)
Electric Power Consume	About 3.2KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 500KG

# WM-703

Diagnostic reagent semi-automatic filling and capping machine

## 诊断试剂半自动灌装旋盖机



### Scope of Application:

Designed for diagnostic reagent filling and capping production.



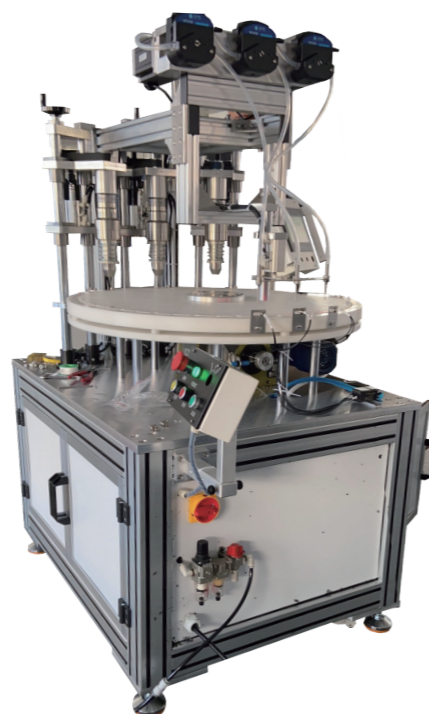
### Equipment Workflow:

Manual loading → Filling → Capping → Automatic unloading → Product discharge



### Equipment Advantages:

- The system features a rotary indexing turntable, allowing quick switching between different positioning fixtures and capping molds for various product types. It offers high speed, high efficiency, and stable quality, making it an ideal production solution for diagnostic reagent manufacturers.
- The user interface is clear and intuitive, minimizing screen switching and setup adjustments. The control logic follows ergonomic operation habits, providing a comfortable and effortless working experience.



Model	WM-703
Filling Channels	3 channels
Production Efficiency	2000-2200 pieces/hour
Flow Accuracy	Within 5% error (The error will vary according to the viscosity of the liquid to be filled)
Filling Pump	Peristaltic pump
Cap Torque	Mechanical adjustment
Programming	Touch screen interface input
Gas Source	0.6Mpa
Machine Size	1200mm*1000mm*1600mm
Electric Power Consume	About 1.2KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 240KG

# WM-703-8

Diagnostic reagent multi-channel high-speed filling and capping machine

## 诊断试剂多通道高速灌装旋盖机



### Scope of Application:

Designed for diagnostic reagent filling and capping production.



### Equipment Workflow:

Automatic loading → Filling → Capping → Automatic defect inspection → Defective product removal → Automatic unloading → Product discharge



### Equipment Advantages:

- When switching between different bottle types, only the positioning fixture and capping mold need to be replaced. The system features eight independently controlled channels, with CCD vision inspection for monitoring filling and capping quality. Defective products are automatically detected and rejected.
- The equipment supports high-speed automated production, with a throughput exceeding 10,000 bottles per hour, ensuring consistent and efficient output.

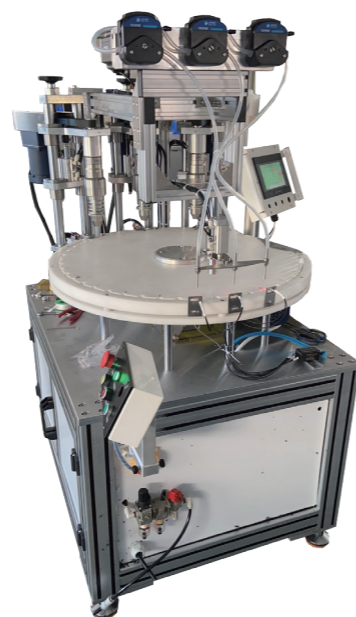


Model	WM-703-8
Filling Channels	8 channels
Production Efficiency	9000-10000 pieces/hour
Silo Capacity	About 2000 bottles and caps
Flow Accuracy	Within 5% error (The error will vary according to the viscosity of the liquid to be filled)
Filling Pump	Peristaltic pump
Cap Torque	8 Servo motor control with adjustable torque settings
CCD Detection	Detect liquid volume, detect foreign objects, verify cap placement, inspect overall bottle appearance
Defective Product Handling	Automatic removal
Programming	Touch screen interface input
Gas Source	0.6Mpa
Machine Size	2200mm*2500mm*1950mm (Single)
Electric Power Consume	About 3.7KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 1200KG

# WM-703-A

Diagnostic Reagent Fully Automatic Labeling Production Line

诊断试剂全自动灌装贴标生产线



### Scope of Application:

Designed for diagnostic reagent filling, capping, and labeling production.

### Equipment Workflow:

Automatic loading → Filling → Capping → Automatic defect inspection → Defective product removal → Automatic labeling → Label inspection → Automatic unloading → Product discharge

### Equipment Advantages:

- This equipment is specifically developed for the fully automated process of filling, capping, and labeling diagnostic reagents. It performs automatic loading/unloading, filling, capping, defect detection and rejection, labeling, and label quality inspection in one continuous operation.
- The entire production process is fully automated, with CCD vision monitoring to ensure real-time quality control. Defective products are automatically removed. The system offers high speed, efficiency, and stability, making it an ideal production solution for reagent manufacturers.

Model	WM-703-A
Filling Channels	2 channels
Production Efficiency	3200-3600 pieces/hour
Silo Capacity	About 1000 bottles and caps
Flow Accuracy	Within 5% error (The error will vary according to the viscosity of the liquid to be filled)
Filling Pump	Peristaltic pump or plunger pump (selected according to precision requirements)
Capping Torque	Servo control, torque can be set
CCD Detection	Detect filling volume, presence of foreign objects, proper cap placement, overall bottle appearance, labeling status, and label content.
Defective Product Handling	Automatic removal
Programming	Touch screen interface input
Gas Source	0.6Mpa
Machine Size	3700mm*1900mm*1950mm (Single)
Electric Power Consume	About 3.7KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 1800KG

# WM-720

blood gas liquid bag forming machine

血气液包成型机



### Scope of Application:

Developed for blood gas pouch encapsulation production.

### Equipment Workflow:

Automatic loading → Size and length adjustment → Ternary gas injection → Liquid filling → Automatic film sealing → Defect detection → Defective product removal → Die cutting and forming → Product discharge

### Equipment Advantages:

- The entire process is fully automated, with real-time monitoring of ternary gas concentration, internal temperature, and process parameters. The equipment ensures high speed, high efficiency, and stable product quality, making it an ideal production system for industrial applications.
- The user interface is clear and intuitive, minimizing the need for repeated parameter adjustments. The control logic is designed for ease of use and operator comfort, supporting efficient and relaxed operation.

Model	WM-720
Filling Channels	4 channels
Production Efficiency	3000 pieces/hour
Aluminum Foil Material	Roll materials
Liquid Pouch Forming	Mold forming
Flow Accuracy	Within 3% error (The error will vary according to the viscosity of the liquid to be filled)
Filling Pump	Plunger pump
Temperature	0-160°C (can be adjusted)
Ternary Gas Injection	Four-channel flow control after three-side forming
Die Cutting And Forming	Four units per cycle (interchangeable mold)
Tailings	Automatic collection
CCD Detection	Visual inspection throughout the entire production process, including liquid level detection, foreign object detection, film sealing condition inspection, and die-cutting dimension measurement.
Defective Product Handling	Automatic removal
Gas Source	0.6Mpa
Machine Size	2700mm*1200mm*1950mm (Single)
Electric Power Consume	About 9.2KW
Electric Power	AC380V/50,60HZ
Machine Weight	About 2250KG

# WM-460

Lyophilized bead automatic split charging machine

冻干微球自动分装机



### Scope of Application:

Developed specifically for the liquid nitrogen lyophilized microsphere dispensing process.



### Production Process:

Whole tray of lyophilized beads loading → Automatic tube loading → Automatic lyophilized bead recognition → Automatic bead dispensing into tubes → Film sealing or capping → Discharge



### Equipment Advantages:

- The equipment is equipped with a customized sealed protective enclosure, with an optional vacuum or nitrogen system, ensuring that the internal production environment meets the required process conditions.
- Compatible with various types of tubes and carriers, the equipment allows quick tooling replacement for seamless dispensing. It also features reserved automation interfaces for both loading and unloading, enabling full-process automation.



Model	WM-460
Work Table Route	100mm-300mm Can be customized according to size of product
Coordinate Error	±0.02mm
Coordinate Motor	Linear motor
Control System	Motion controller
CCD Detection	Lyophilized bead positioning and dispensing result inspection
Extended Function	Reserved fully automatic loading and unloading channel
Programming	Touch screen interface input
Static Electricity Removal Function	Achievable within the zones
Machine Size	Size will be vary according to different product
Electric Power Consume	About 2.7KW
Electric Power	AC220V/50,60HZ
Machine Weight	About 340KG

# WM-1011

Electrochemical Test Strip Printed Electrode Impedance Testing Equipment

电化学试纸印刷电极阻抗检测设备



### Scope of Application:

Designed for comprehensive impedance inspection of electrochemical electrodes.



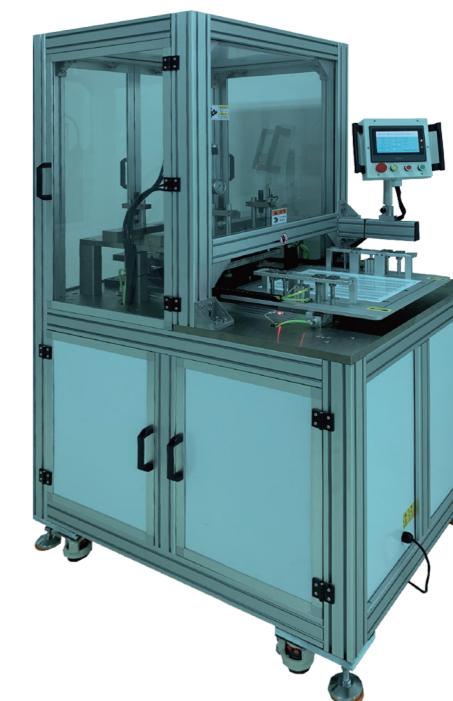
### Equipment Workflow:

Manual or automatic loading (uncut sheets) → Positioning → Measurement → Defective product display → Defective product marking → Product discharge



### Equipment Advantages:

- The system can be customized with multiple inspection channels, supporting up to 2,000 electrode contact points, and includes a host communication interface for automatic data transmission and automated report and documentation generation.
- Can be integrated with JEARI's customized automatic loading/unloading and defect marking modules to achieve fully automated defective product identification and marking.



Model	WM-1011
Work Table Route	100mm*100mm---500mm*500mm/Customized according to requirements
Number of Contacts	1-2000 pieces (Customizable)
Impedance Value	Manual setting (automatically identifies defective products when values exceed or fall below the set threshold)
Upper Computer Interface	Reserve
Automatic Loading and Unloading	Reserved for Customization
Defective Product Marking	Reserved for Customization
Programming	Touch screen interface input
Machine Size	800mm*1200mm*1950mm
Electric Power Consume	2.0KW
Machine Weight	About 220KG
Electric Power	AC220V/50,60HZ