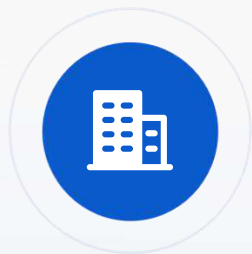


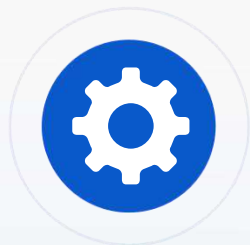
FUJIAN XINQI HYGIENE MATERIALS CO.,LTD

Integrity | Innovate | Harmonious | Performance

CONTENTS



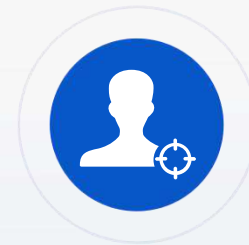
**Company
Profile**



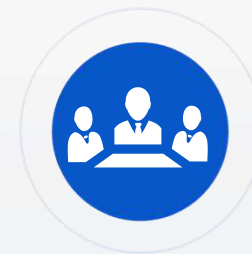
**Production
Process**



**Product
Display**



**Quality
Control**



**Cooperative
Customers**

Company Profile

Company Profile



FUJIAN XINQI HYGIENE MATERIALS CO.,LTD

Fujian

Huidong Industry Park,
Huian, Quanzhou City

2015

Established

61000m²

Company Area

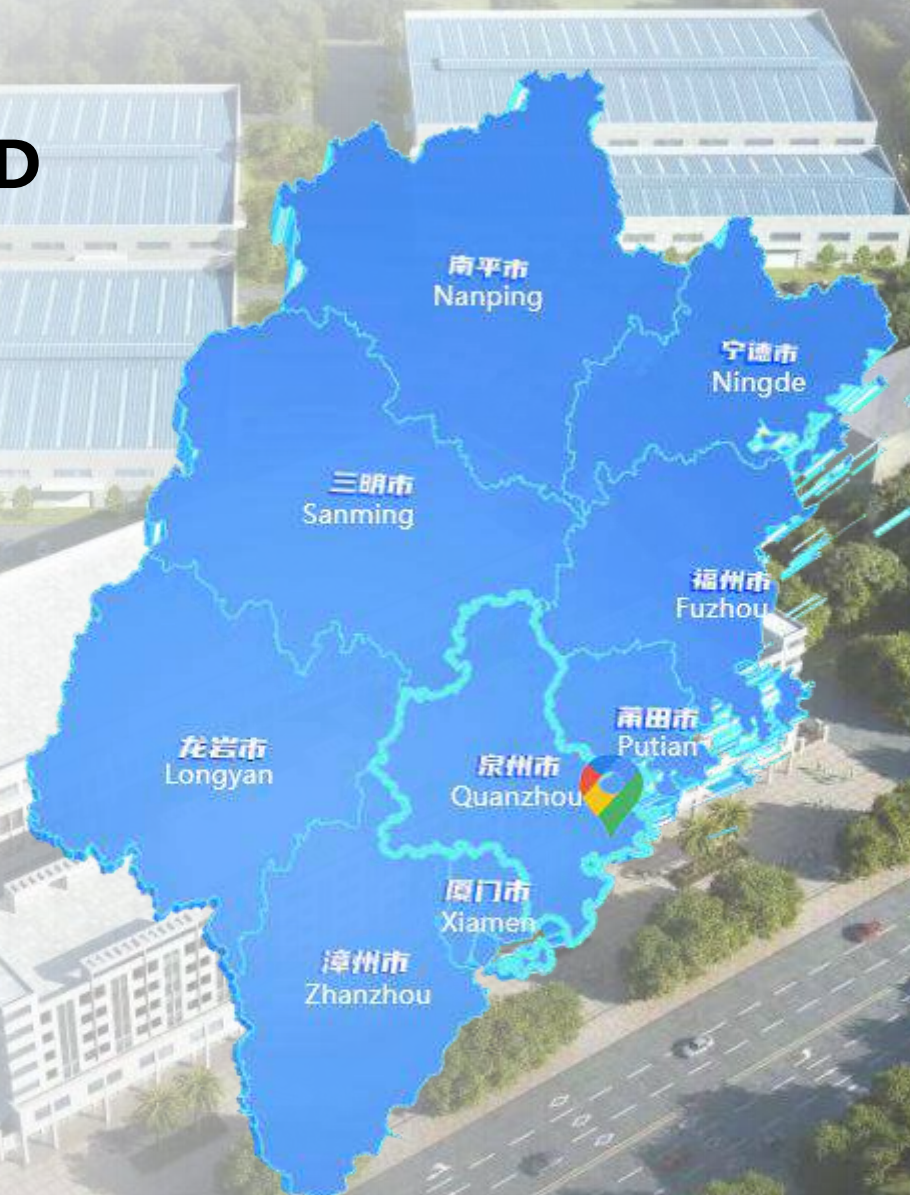
30000m²

Building Area

14000m²

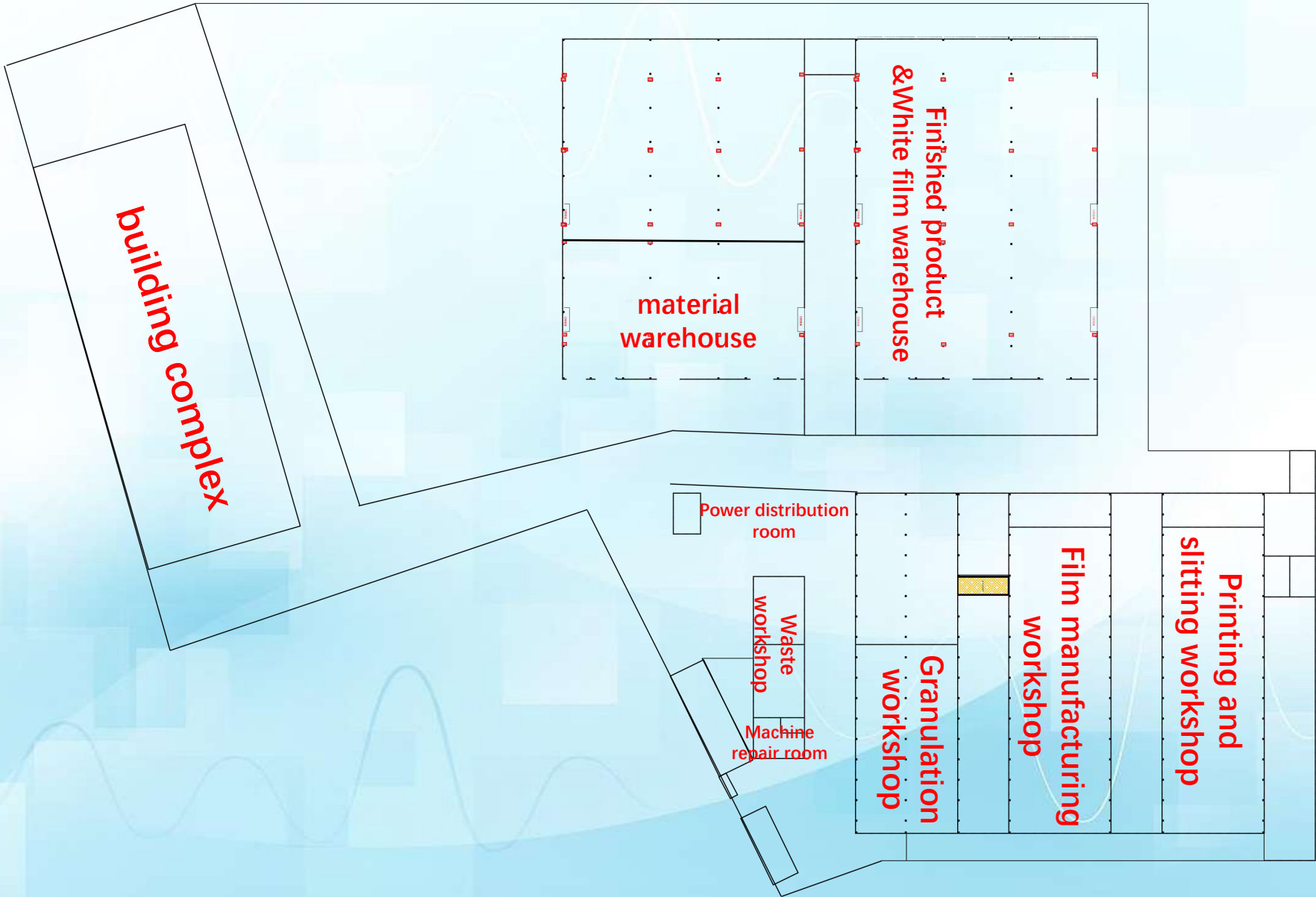
Factory Building

Fully enclosed
positive pressure
dust-free workshop



Company Profile

Company Layout



Company Profile



Currently 195 Employees
130 Professional and Technical Talents



Company Profile



Quality Policy :

Integrity-based

High Quality First

Quality Assurance

Customer Satisfaction

Breakthrough Innovation

Continuous Improvement

Quality objectives : (a) Product one-time inspection qualification rate $\geq 96\%$

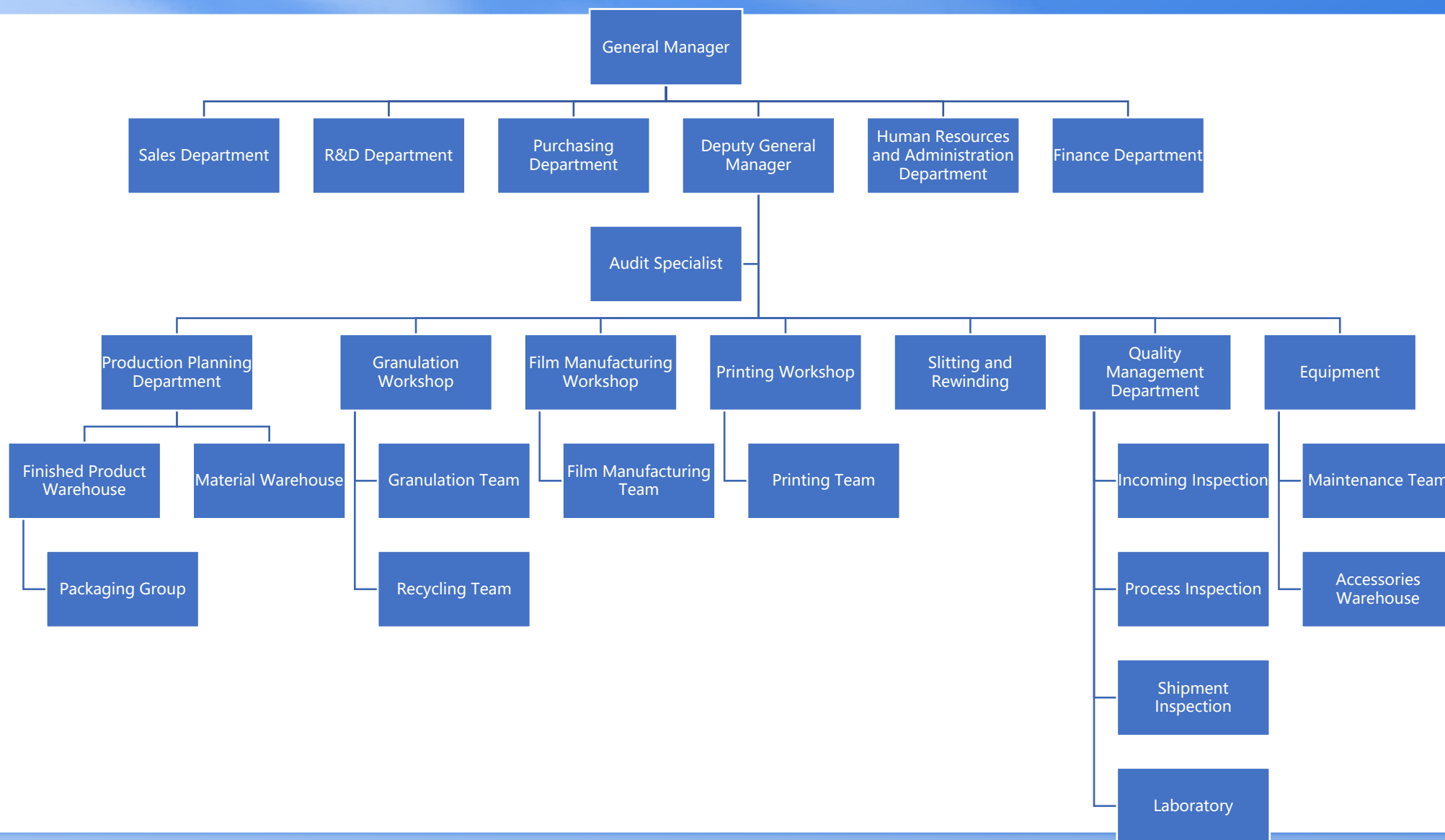
(b) Comprehensive customer satisfaction $\geq 90\%$

Our Vision :

Focusing on excellence, striving for excellence, and building a competitive first-class supplier of sanitary materials .

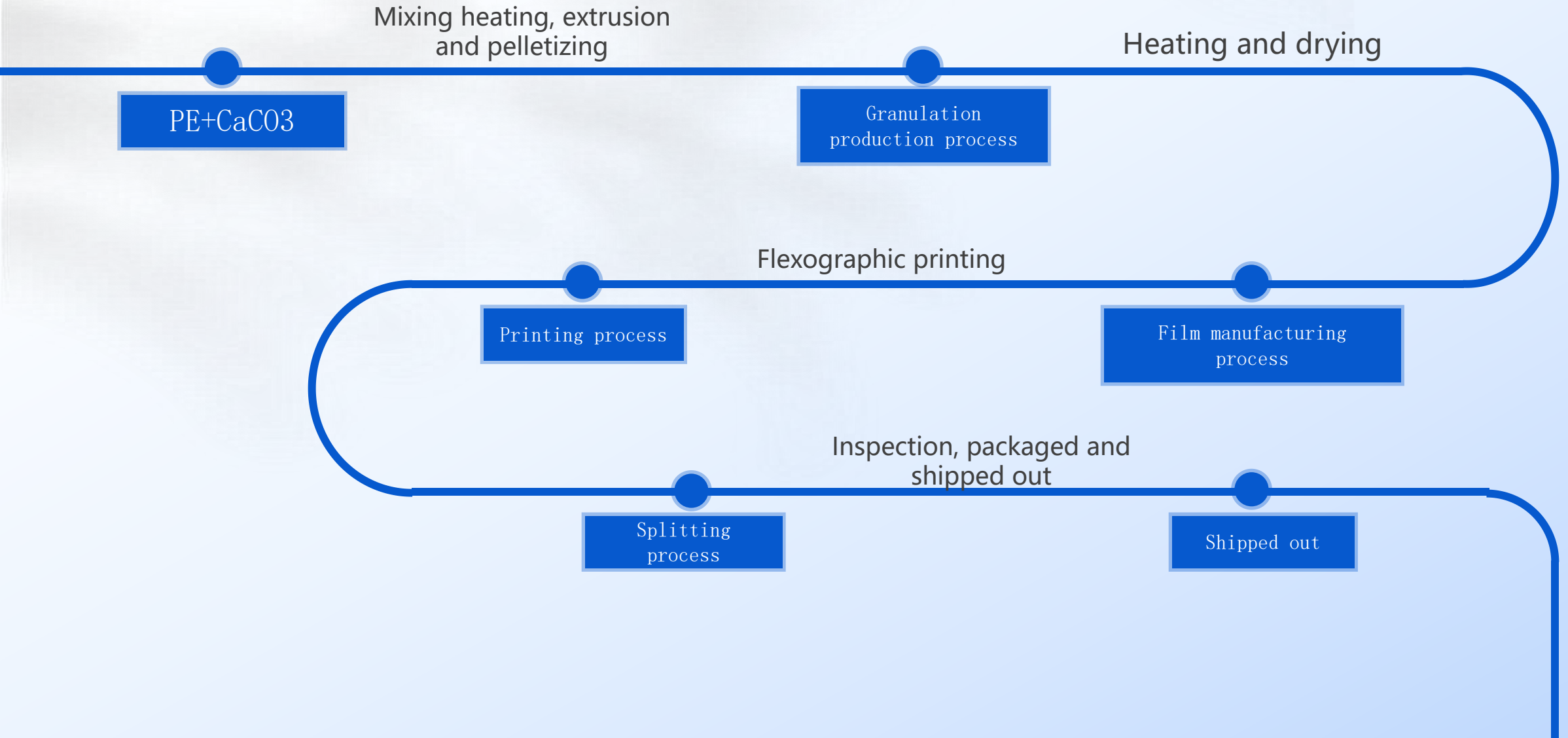
Company Profile

Organization Chart



Production Process

Production Process



Production Process

Raw Materials



calcium carbonate

The raw materials for breathable particles are calcium carbonate and polyethylene. Our company uses calcium carbonate with an average particle size controlled at 2.5 microns and a moisture content less than 0.2%, effectively ensuring the stability of various product properties.



polyethylene

The polyethylene materials used in the company's granulation production are all imported from abroad, with the advantages of good processing performance, good tensile strength, and stability .

Production Process

Granulation process

The company currently has 5 leading high-speed granulation production lines in China. During the production process, calcium carbonate and polyethylene are weighed by a weight loss scale (with an accuracy of 0.5%) and fed according to the formula. After high-temperature screw plasticization, they are processed and cut into particles of uniform size and length.



Stable formula

**High precision, nearly
ten years of granulation
experience**

**Provide strong
technical support for
new product
development**

Production Process

Film manufacturing process

1

There are currently 6 leading high-speed breathable film production lines and 2 non-breathable production lines.

2

French SCANTECH thickness gauge

3

JCTIMES automatic die head

4

Italian PIOVAN Drying System

5

Schulman Corona Machine and High Precision Defect Detection System in the UK



Production Process

Film manufacturing process



Extracting particles from the drying tower through a material extraction system



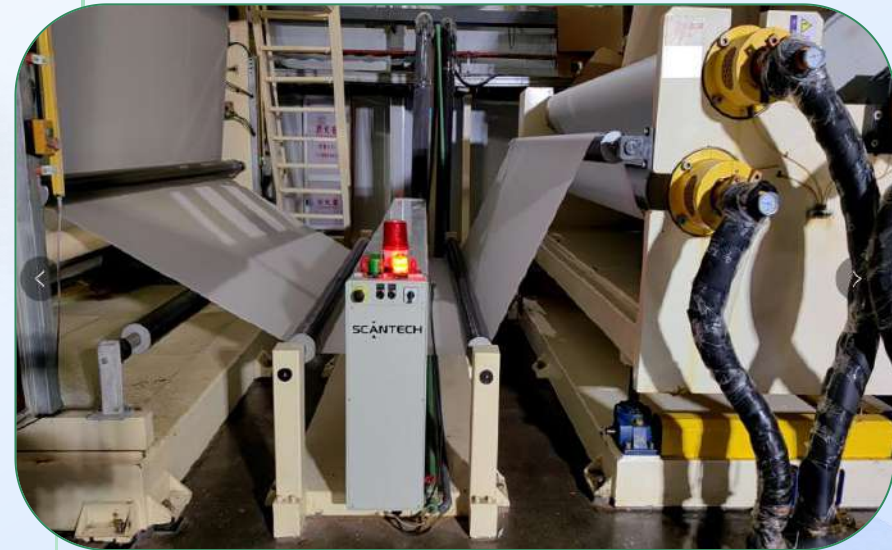
Extrude through the die head under high-temperature screw

Production Process

Film manufacturing process



The thin film manufacturing equipment is equipped with a French SCANTECH thickness gauge, which can observe the production situation of the product in real time



Equipped with JCTIMES automatic die head, it can be adjusted according to different situations during the production process of the machine

Production Process

Film manufacturing process



The film undergoes processes such as preheating, stretching, shaping, cooling, and winding

Stretch the product at different speeds using each stretching roller

Forming micropores

Set different stretching ratios according to customer needs

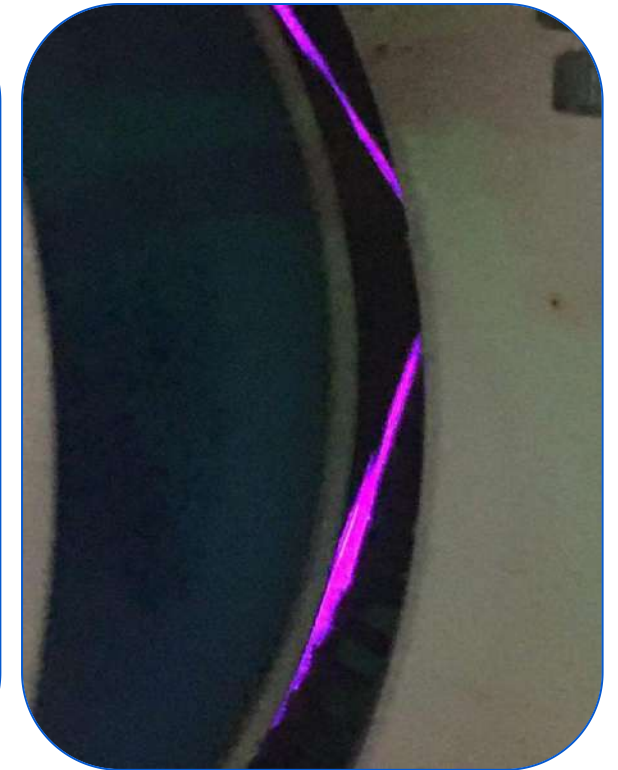
To meet the customer's requirements for breathability, tensile strength, etc

Production Process

Film manufacturing process

Corona treatment is an electrical shock treatment that enhances the adhesion of the surface of the film.

The principle is to use high-frequency and high voltage to corona discharge on the surface of the treated film (high-frequency AC voltage can reach 5000-15000V/m²), generating low-temperature plasma, causing free radical reactions on the surface of the film and crosslinking the polymer. The surface becomes rough and increases its wettability to polar solvents - these ions enter the surface of the printed material by electric shock and penetration, damaging its molecular structure, and then oxidizing and polarizing the treated surface molecules, ionic shock corrodes the surface, increasing the adhesion ability of the film surface.



Production Process

Film manufacturing process



Production Process

Printing process

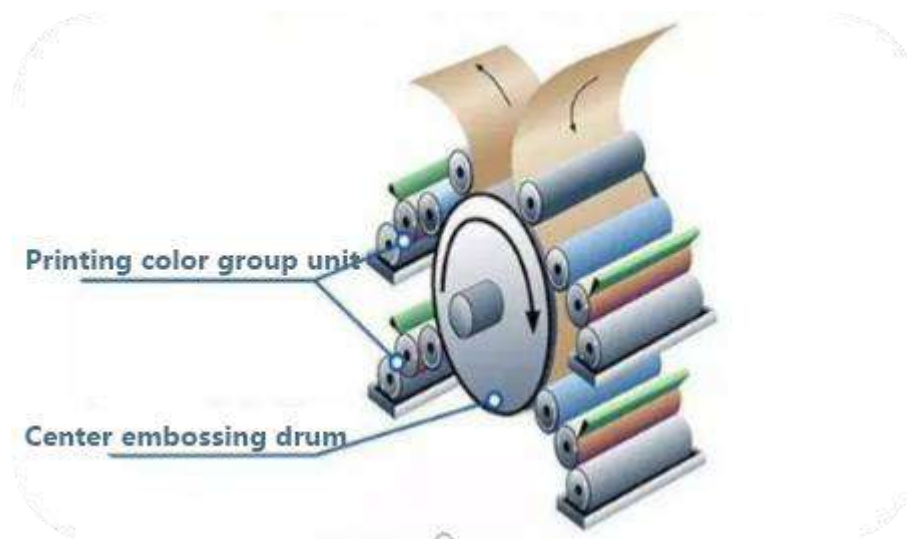


The latest fully servo
system in China

13 Satellite flexographic
printing machines

Maximum
machine speed

500m/min

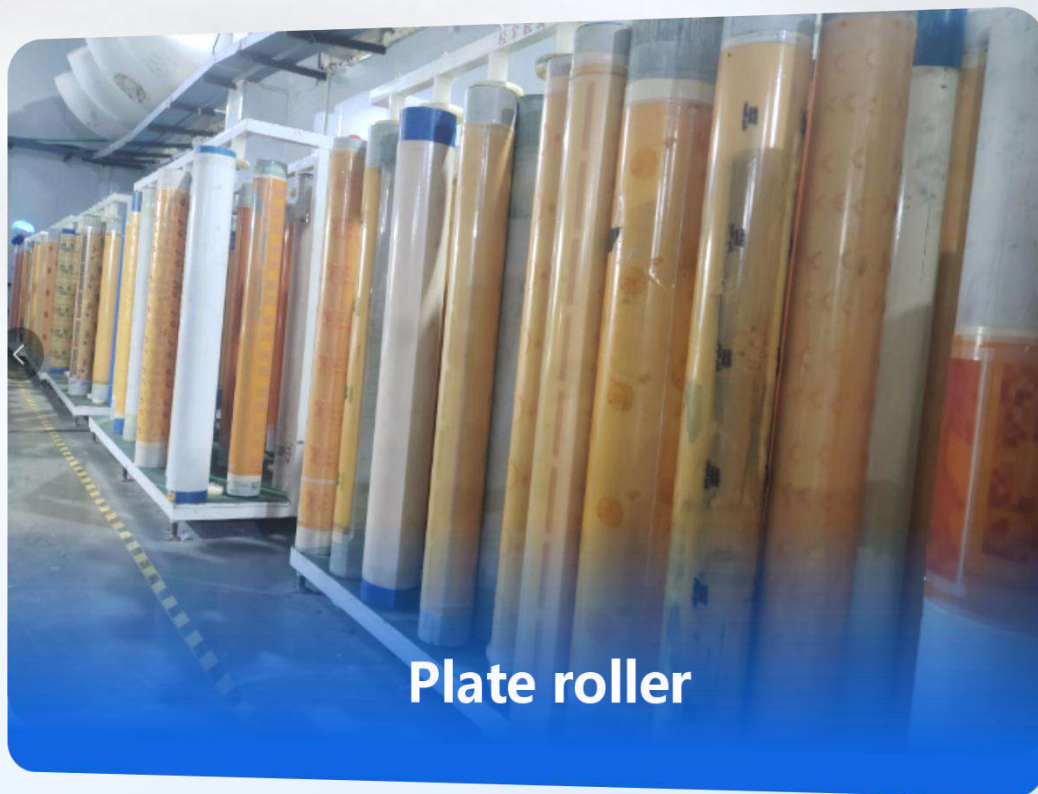


Achieved

**Accurate 8 color matching and clear
printing effect with patterns**

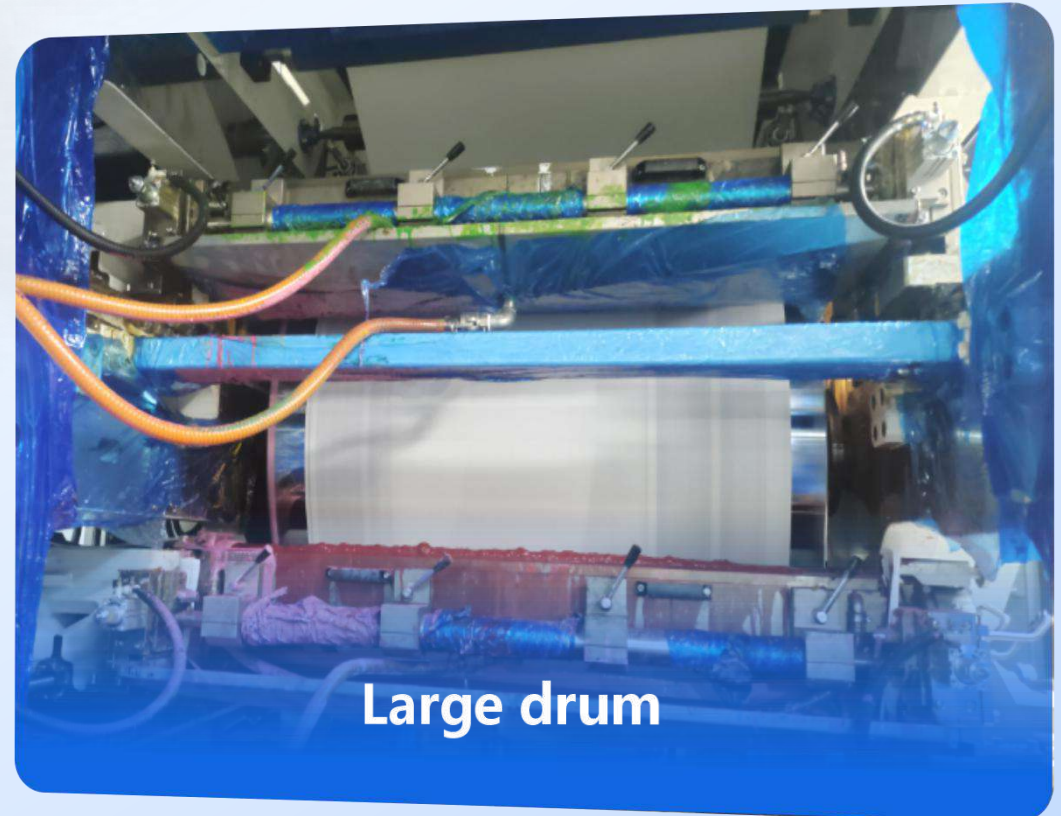
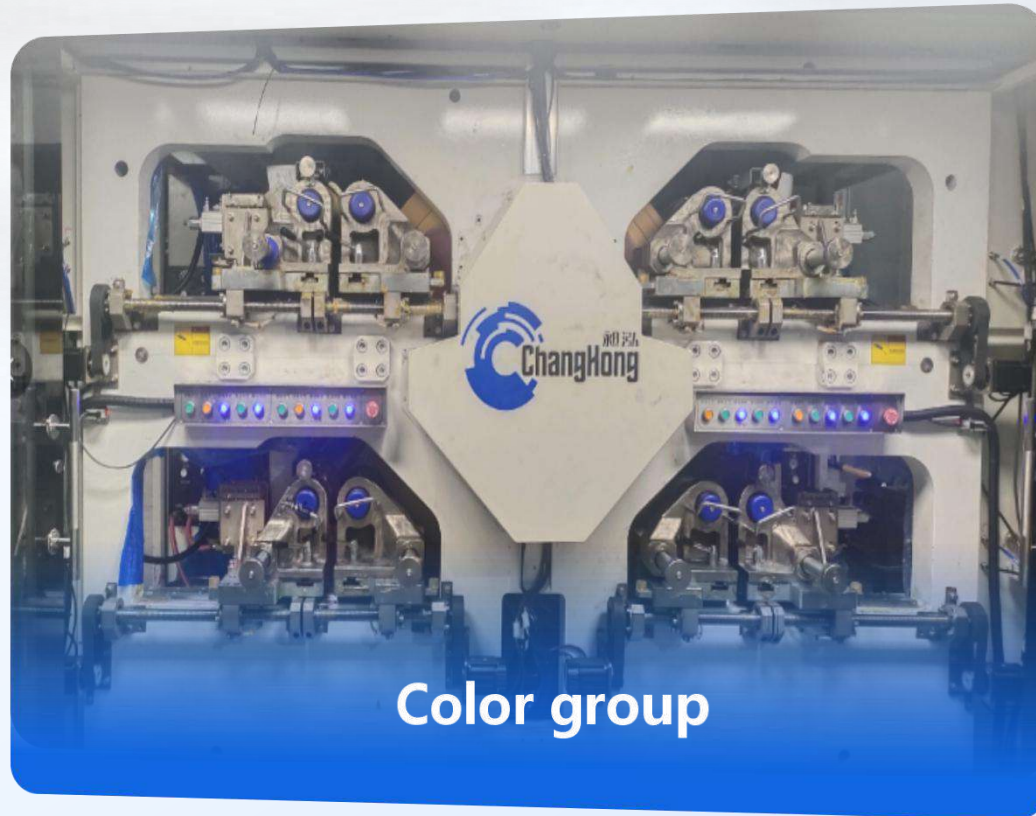
Production Process

Printing process



Production Process

Printing process



Production Process

Printing process



Each printing equipment in the printing workshop is equipped with an online detection system to fully ensure that all products pass defect online detection.

印刷工序不良标识卡			
客户:	印刷机台号:	工号:	产品名称:
不良描述 (要求准确体现不良类别、米数、不良数量)			
印刷机长:	印刷日期	年	月 日
分切机长:	分切日期	年	月 日
复卷机长:	复卷日期	年	月 日
复卷剔除确认:	不良已剔除 ☐	不良未找到 ☐	
质检确认:			

The online defect detector detects an abnormal alarm prompt, and the printing machine operator identifies and fills in the defect identification card, which is then transferred to the rewinding process for sampling and removal.

Production Process

Splitting process



Leading high-speed, stable, and precise edge correction and **splitting** machine

13 production lines



Simultaneously install

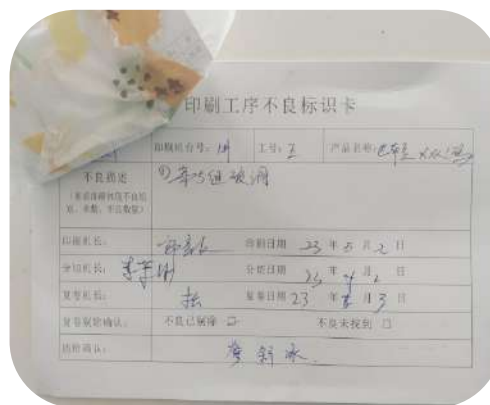
**Electrostatic
elimination device**

Production Process

Rewinding process



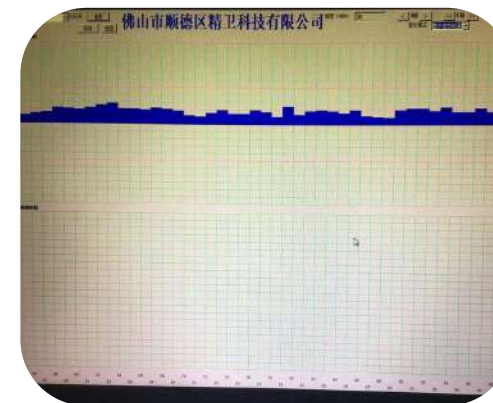
Total
**8 high-speed
rewinding machines**



Two of the devices are equipped with high-precision defect detection systems, which can achieve precise confirmation and closed-loop during the removal of defective rewinding.



**With positioning
perimeter detection**
**2 high-speed
rewinding machines**



It is possible to perform full roll detection on the positioning circumference, effectively ensuring the stability of the positioning circumference.

Product Display

Product advantages and characteristics



ABC/AB positioning cut breathable film, capable of producing products with three different patterns.



Positioning cutting 14g/m² breathable film with MD strength of 12N and MD elongation of 120%. High strength breathable film reduces waste discharge by about 10 pieces compared to ordinary film when changing rolls in diaper equipment.



Produced using food grade environmentally friendly water-based ink, the products produced have no odor at all, completely eliminating the most sensitive issue of residual urine pants odor. The printing and color matching are precise, and up to 6 colors of positioning cut breathable film can be produced.

Product advantages and characteristics



AB version

The AB version positioning cutting product can continuously produce urine pants with four colors and two completely different patterns during production.



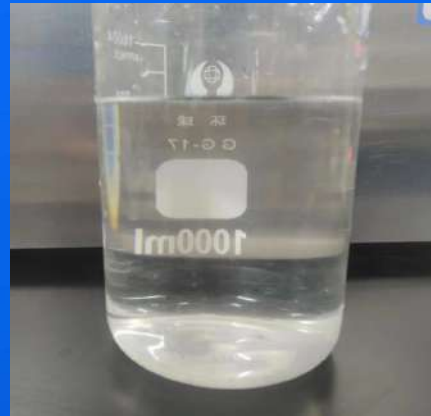
ABCDE version

Our company's industry first ABCDE version can continuously produce 5 diapers with completely different patterns when positioning and cutting products, making your product patterns more diverse.

Product advantages and characteristics



We use reverse printing for hot air non-woven fabric printing, which can reduce skin contact with ink.



The advantages of hot air color outer lining non-woven fabric printing are that it has a soft touch and is not easy to fade. It can be soaked in physiological saline at a constant temperature of 40 °C without fading.

Product advantages and characteristics



The safety of hot air color outer lining non-woven fabric printing products has been tested through third-party tests for color fastness to sweat, water, dry friction, and saliva.



Product Display

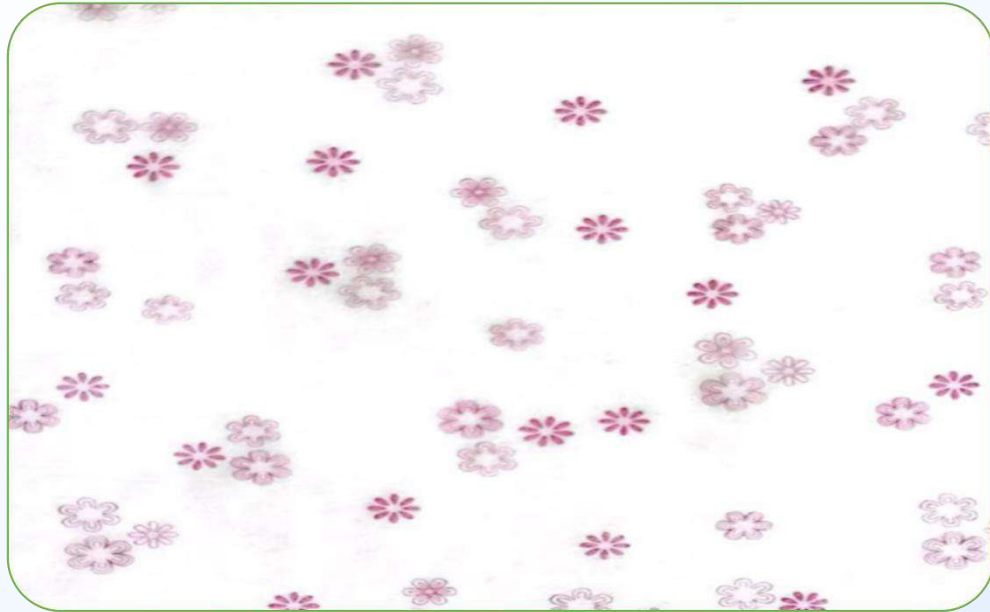


Diaper/pull pants
Back sheet



Frontal loop

Product Display



Sanitary napkin
Surface Layer

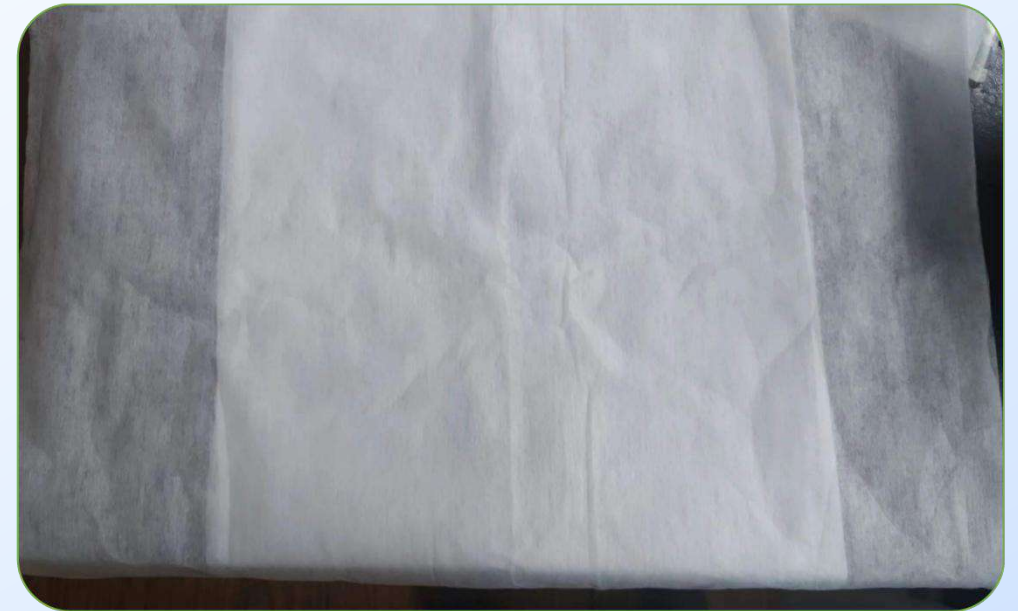


Sanitary napkin
Acquisition Distribution Layer

Product Display



Adult diaper
Back sheet



Adult diaper
Centered composite membrane

Maximum 1000mm wide non-woven fabric+400mm wide film

Product Type Display

Breathable film products

Breathable film products are mainly used for diaper back sheet, pull-up pants back sheet, and menstrual pants back sheet. The printed pattern is beautiful, accurate positioning, and can print up to 6 colors, with the ability to center composite.



Product Type Display

Cast film products

Cast film products are mainly used for sanitary napkin back sheet, sanitary pad film, pants back sheet, etc. They can print up to 6 beautiful printing patterns and can also print positioning products.



Product Type Display

Non woven fabric printing products

Non woven printed products are mainly used for swimming pants, diapers, and menstrual pants. The printed patterns are beautiful and can be reverse printed with ink without touching the skin.



Product Type Display

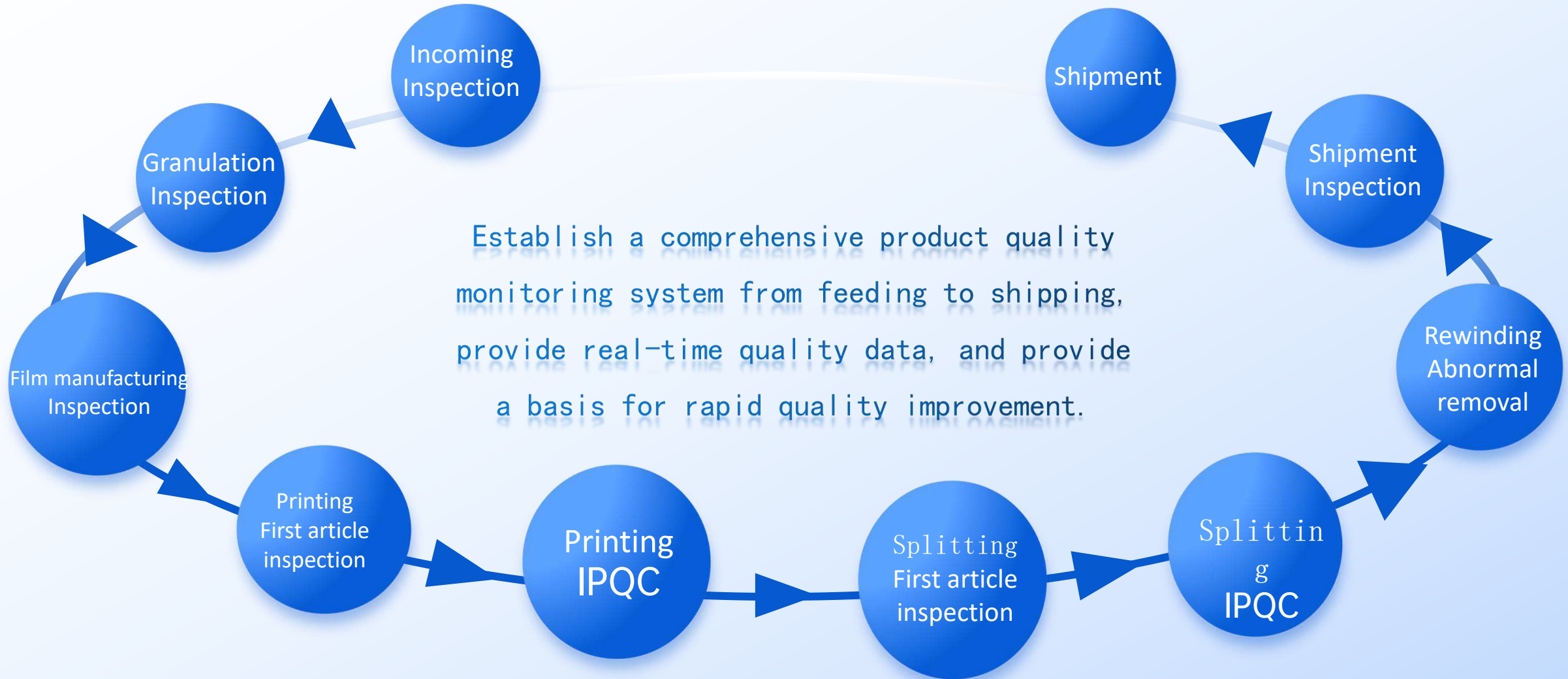
Sanitary napkin embossed products

The secondary deep embossed breathable film is mainly used for the back sheet of sanitary napkins, with clear and smooth embossed points, and a pH value of less than 8.



Quality Control

Product Monitoring



Product Verification

We have established a comprehensive product testing process and trial production platform construction, which enables us to identify potential quality issues in advance and eliminate them in the early stages of tooth development.



New product
stage

R&D sample testing
Small batch production
verification



New materials

Sample testing test
Small batch trial
production verification



Mass production
products

Product process change test
Regular confirmation
inspection/aging test

Measurement Management

We have established a comprehensive measurement management system to ensure the accuracy of the measurement system by calibrating, transmitting, and adjusting the measurement values of inspection, measurement, and testing equipment.

External calibration

- Measuring standard
- Standard instruments
- Measurement value traceability

Internal calibration

- Internal calibration standards
- Calibration and comparison
- Upward traceability and internal transmission

Internal inspection

- Test method
- Accurate and reliable data
- Operational Checks

Quality/Environment/Safety Management System



Occupational Health and Safety
Management System Certificate



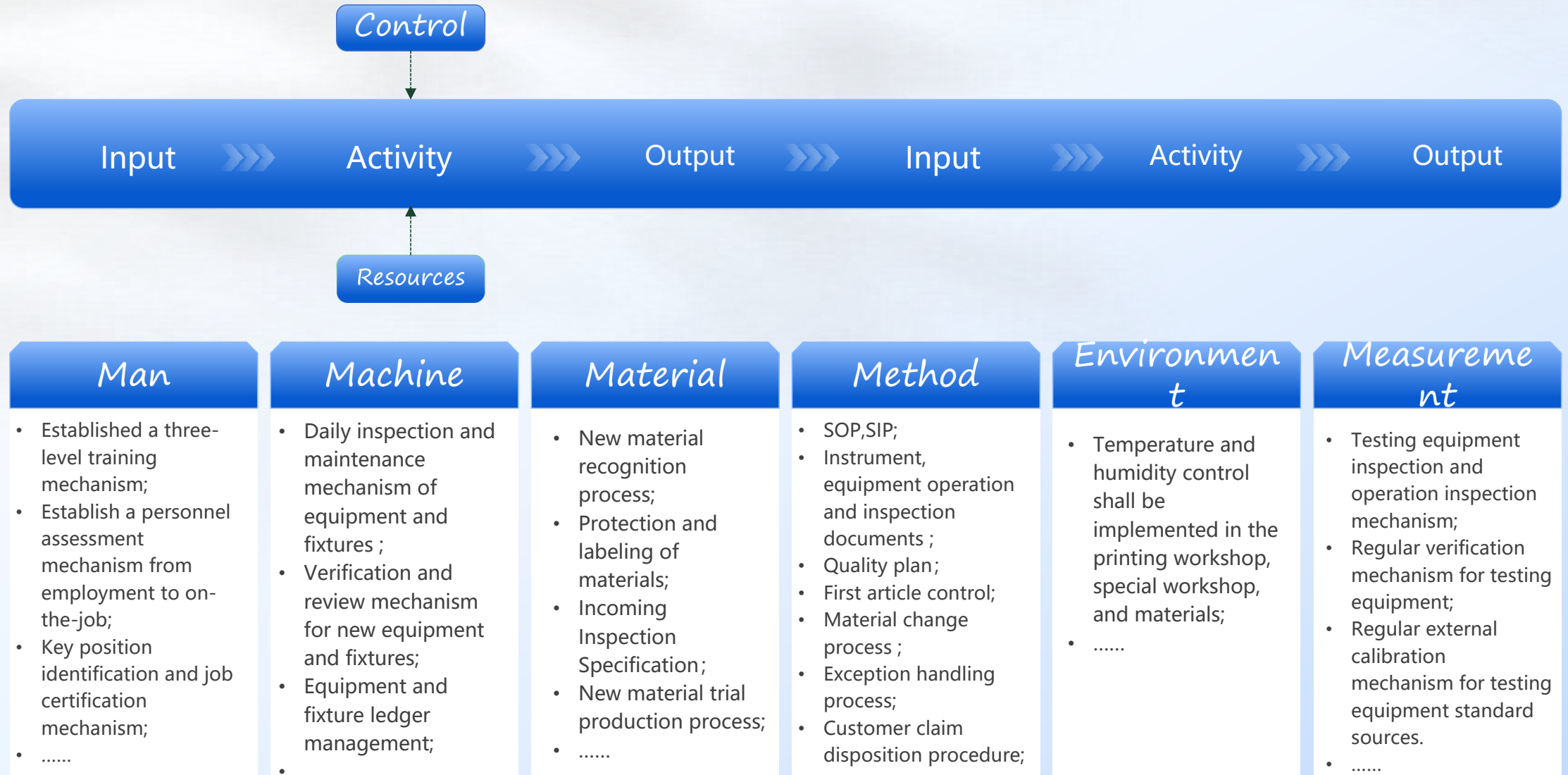
ISO9001 Quality Management
System Certificate



Environmental Management
System Certificate



Quality Process



Supplier Management



Sign a cooperation agreement

- Regulations on Penalties for Quality Breach;
- Supplier Supply Guarantee Agreement



Supplier review and assessment

- Review of new suppliers;
- Rate suppliers based on their incoming material quality, process and customer feedback, as well as the timeliness of exception handling



Supplier coaching

- Provide guidance and improvement to suppliers on material issues related to feed, process, and customer feedback



New materials Recognition verification

- Verification of new material packaging, appearance, size, physical properties, material, and packaging;
- Verification of feeding machine testing;
- Small batch trial production verification

Laboratory



Process control assurance

Laboratory



Laboratory Testing Instruments



Moisture Meter



Friction Coefficient Meter



Softness Tester



Programmable
Temperature and Humidity
Tester



Intelligent Electronic
Tensile Machine



Aging Constant
Temperature Box

Calibration by third-party organizations

In addition to regular internal instrument calibration, a third-party organization is arranged every year to calibrate all equipment and instruments to ensure their stability and reliability.



Muffle Furnace



Melt Indexer



PH Meter



Martindale Pilling Test



Laser Particle Size
Analyzer

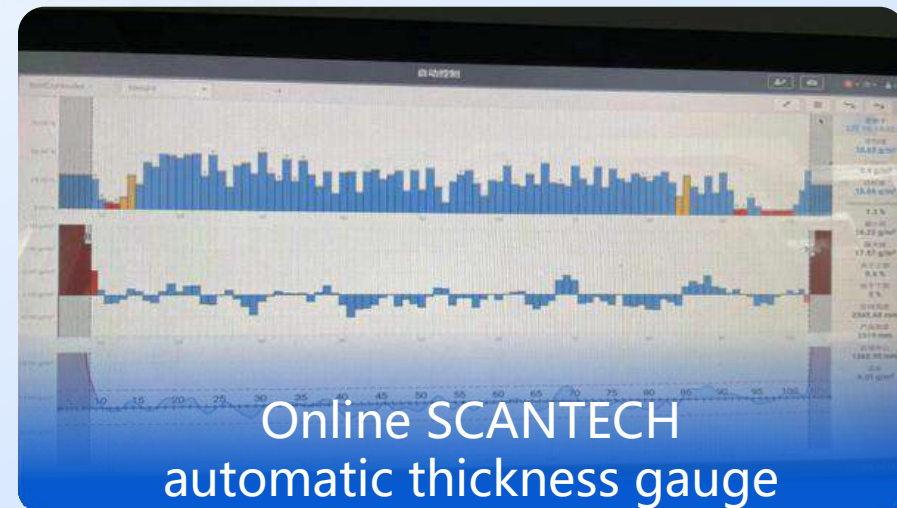


Paper Tube
Compression Machine

Partial inspection tasks



Partial inspection tasks



Cooperative Customers

As of 2023, we have collaborated with over
160 customers and received positive market feedback.

Cooperative Brand



Thank You

Fujian Xinqi Hygiene Materials Co.,Ltd

