

SOMAYPACK INTRODUCTION

CUSTOM PACKAGING FOR GLOBAL BRANDS





**4,000 m²
GMP CLEAN
WORKSHOP**



**100+
PROFESSIONAL
EMPLOYEES**



**20+
YEARS OF
EXPERIENCE**



**3
HIGH-SPEED
PRINTING LINE**

PRINTING LINES



10-color gravure printing

The gravure press is equipped with solvent piping to ensure printing stability. It continuously monitors print quality via the Luster on-line inspection system. The production environment maintains constant temperature and humidity.



6-color gravure printing

The 6-color gravure press features lower costs, faster job changeover, reduced energy and material waste, and meets most conventional flexible packaging printing requirements.



Petal Type Flexo Press

This flexo press is dedicated to double-sided printing for paper materials, fitted with automatic image inspection system, all ink used is ECO-friendly.

B&R Register Control System



Precise detection

Accurately detects all common registration marks even at high printing speeds, ensuring exact positioning and alignment of the printed image

Ultra-fast control response

Control response completed within 30 ms / 500 cycles per minute.

Waste reduction

The high-speed register control significantly reduces waste on conventional presses by 25%, supporting sustainable, resource-efficient production.

Safety Response Speed

10 times faster than traditional solutions (EN 1010 / EN 13849)

LAMINATING LINES



Extended dry laminator

The extended high-speed dry laminator body reduces solvent residue. The whole line is equipped with Luster on-line inspection and maintains a stable temperature and humidity environment.



Solventless laminator

The solventless laminator achieves eco-friendly lamination without solvents, featuring low odour, stable bonding and energy saving.



High speed dry laminator

The high-speed laminator features precise tension control and supports various substrates for efficient and stable mass lamination.

CONVERTING LINES



10 bag making lines

The gravure press is equipped with solvent piping to ensure printing stability. It continuously monitors print quality via the Luster on-line inspection system. The production environment maintains constant temperature and humidity.



3 inspection lines

The 6-color gravure press features lower costs, faster job changeover, reduced energy and material waste, and meets most conventional flexible packaging printing requirements.



3 slitting lines

This flexo press is dedicated to double-sided printing for paper materials, fitted with automatic image inspection system, all ink used is ECO-friendly.

LUSTER

ONLINE INSPECTION



ADVANTAGES

With high precision and efficiency, the LUSTER inline inspection system is specifically developed for 100% quality control of flexible packaging. From extrusion, printing, laminating/coating, rewinding to slitting, it can be applied on the whole production workflow to achieve 100% automatic quality inspection, optimize productivity reduce production cost.

**Extrusion/
Casting**

Printing

Lamintaing

Slitting

**Bag
Making**

CERTIFICATES





VALUES

1

Safety

We protect both our people and end products from potential risks at every production stage.

2

Altruism

We practice altruism, focusing on mutual success with every partner.

3

Honesty

We act with honesty and full transparency in every business interaction.

4

Sustainability

We pursue sustainable solutions in both packaging production and new materials R&D.

ADVANTAGES



Whole-process Quality Control

Our quality control system combines the LUSTER online inspection system with an experienced QC team. Quality is continuously monitored throughout production and final inspection, enabling prompt defect detection and consistent product quality that meets customer specifications.



Small-batch Customization

We readily accept small-batch sample orders and customized production, providing flexible solutions for new product development, market testing, and specialized packaging requirements. Our flexible production capabilities allow us to respond efficiently to different customer needs.



Comprehensive Local Supply Chain

Our localized supply chain covers material R&D, precision plate making, logistics and port delivery, technical support, and other key services. By integrating these resources locally, we provide efficient coordination, faster response, and reliable support throughout the entire supply chain.



Efficient Production Lead-time

Located within 100 miles of Shanghai Port, we benefit from convenient logistics and efficient export handling. With optimized production planning, our standard production lead time is typically 7–15 days, enabling fast response to customer orders and reliable shipment schedules.



LABORATORY

EQUIPMENTS



✓ **Solvent**
Residual Solvent Testing with
AGILENT Gas Chromatograph

✓ **Oxygen transmission**
Oxygen permeability testing
with LABTHINK instrument

✓ **Moisture transmission**
Water-vapor transmission rate
testing with LABTHINK instrument

✓ **Friction**
Coefficient of friction testing
with LABTHINK tester



✓ **Tension**
Tensile performance testing
with LABTHINK for effective
quality control

✓ **Sealing**
Heat seal performance testing
with GBPI instrument

✓ **Temperature & pressure**
High-temperature and high-pressure
resistance testing with KR-M1

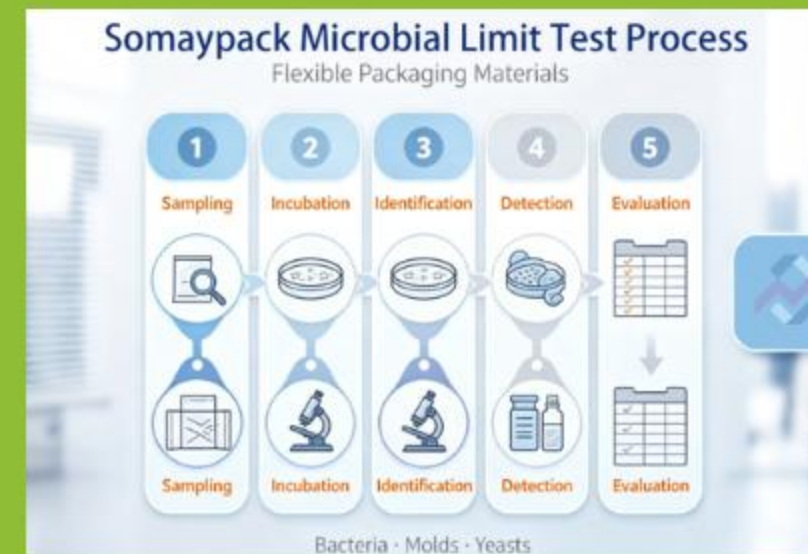
✓ **Impact**
Impact: Falling-dart impact
resistance testing with GBPI
instrument

Microbiology Lab & Particle Test



Microbiology Lab

Our in-house microbiology lab performs microbial limit testing (bacteria, molds and yeasts) on packaging materials, verifies clean-room sanitation, and maintains full records to ensure compliant, safe packaging for food and pharmaceutical use.



Test Process

Microbial inspection is essential for food packaging, as it blocks microbial cross-contamination and protects food and pharmaceutical products in line with food-contact regulations.



Bacteria test room

Our biological laboratory consists of a sterile room, microbial limit room and positive control room. Built to Class 10,000 purification standards, it is fitted with Class 100 clean workstations. This controlled environment ensures valid packaging material testing and enables strict quality control for our flexible packaging products.



Laser Particle Counter

This Laser Particle Counter adopts laser sensing technology to detect suspended dust particles in the air. It provides accurate particle concentration readings to monitor the cleanliness level of sterile workshops.

SECURITY CONTROLS



Automatic CO₂ fire-suppression system



GMP workshop environmental control



Sprinkler-protected high-bay warehouse



Material air-shower passage



Online flammable gas alarm



Pest control guaranteed by ECOLAB



Automatic solvent control system

SUSTAINABILITY

EFFORTS



RTO for waste gas treatment

We equip RTO regenerative thermal oxidizer facilities for high-efficiency industrial VOC waste-gas abatement



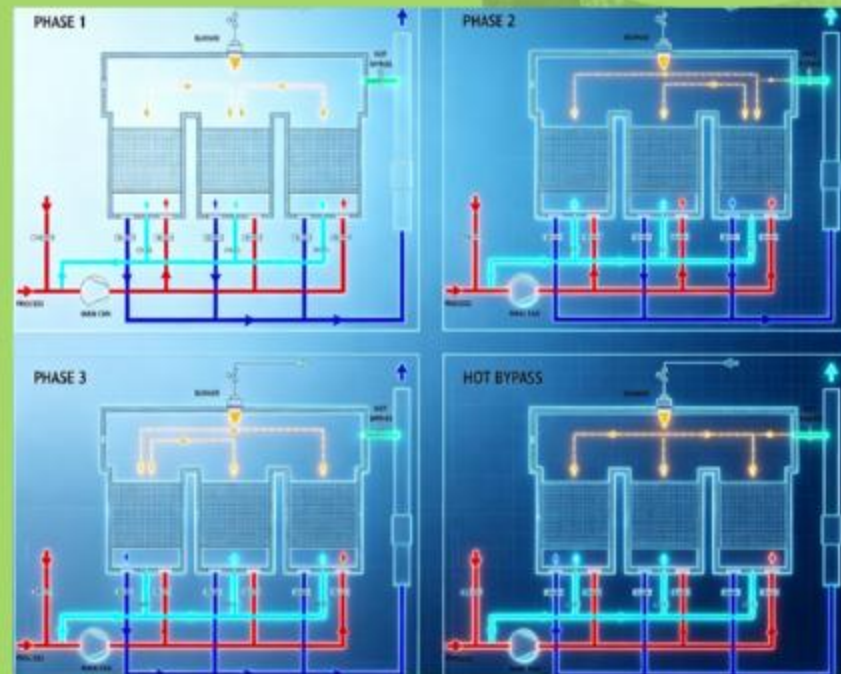
Solar-powered manufacturing

Solar photovoltaic systems are deployed in our factory to utilize renewable solar energy and reduce carbon emissions



CPET cast-film combined with biodegradable materials

We develop cast-film CPET materials compatible with biodegradable substrates, balancing packaging functionality and eco-friendly goals



Heat recycle system

Capturing heat from thermal-oxidation exhaust gas, our Heat Recovery System ensures a stable energy supply for the unit.

Product Catalog



Preformed pouches



Spouted

Self-standing structure
Strong shelf presence
Leak-proof resealing
Liquid and semi-liquid products



Stand up

Low costs
Resealable with zipper
Self-standing structure
Large printing area
Excellent display



Flat bottom

Large capacity
Degassing valves
Multi-side display
Compatible with filling machines
Heavy-weight packaging
Stable on retail shelves



Zipper

Reclosable
Large printing area
Excellent display
Can be mono-material



3 side seal

Hang holes or Euro Slots for display
Low costs
Space-Saving
Low material waste



Back seal

Fastest filling speed
Strong fin seal
Low material waste
Non-self-standing
Low costs
Low material waste



Customized shape

Strong visual impact
Good consumer experience
Accommodates irregularly contents
Complex manufacturing
Higher costs



Rollstack film

Standard serve for HFFS/VFFS
Lowest cost
Minimize storage space
Optional add-ons

SOMAYPACK

Food&beverage

High-Barrier

Core demand. Control OTR/WVTR to extend shelf-life. Use AL, EVOH, PVDC, SiOx-PET for meat, snacks, sauces, coffee. Prevent oxidation, moisture gain/loss, aroma loss.

Heat-Sterilizable

Widely used. Retort 121°C for ready-to-eat meals; pasteurization for beverages. Need RCPP, MXD6, AL composite structures. Resist hydrolysis and delamination under high-temperature steam.

Puncture-Resistant

Important for bone-in meat, frozen food, vacuum heavy-duty bags. Adopt PA / MXD6 to resist sharp-point piercing during transportation.



Heat-Seal & Easy-Open

Mass-market basic need. Consistent heat-seal strength for high-speed filling; tear notch, peel-open feature for consumer convenience.

Breathable

For fresh fruit, vegetable, fresh meat. Customized MVTR/O₂ transmission to build modified atmosphere, slow respiration, avoid spoilage.

Sustainable

Growing market trend. Mono-material structure, recyclable films, reduced aluminum, compostable materials for consumer brands.



Medical device

Heat-Sterilizable

Critical. Adapt to EO ethylene oxide, steam autoclave sterilization. Film must withstand sterilization temperature without deformation or delamination.

Medical-Grade Clean

Absolute core. Produced in clean-room; low particle, low extractables, no contamination risk.

Puncture-Resistant

Key. Need anti-puncture for sharp instruments (needles, scalpel). Avoid pinhole causing loss of sterility during handling.



Heat-Seal & Easy-Open

Mandatory. Stable heat-seal for sterile barrier integrity; clean peel-open without fiber debris for aseptic presentation.

Breathable

EO sterilization breathable pouches (Tyvek). Allow ethylene oxide gas ingress & out-gassing. No fresh-keeping function.



Pharmaceutical

Chemical-Resistant Products

Important. Resist chemical migration between packaging and drug formulation; low extractable & leachable.

Medical-Grade Clean

Mandatory. Clean-room manufacturing, controlled particles, comply with pharmaceutical packaging standards.

Puncture-Resistant

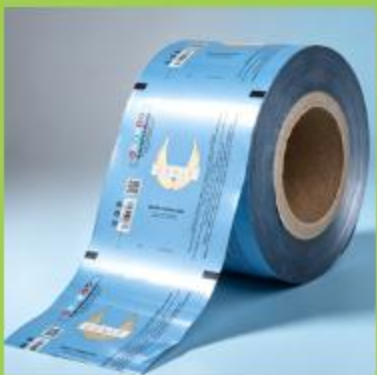
For infusion bags; general blister packaging low requirement.

High-Barrier

Top priority. Strict OTR/WVTR control for tablets, capsules, ointments. AL composite, high-barrier coating prevent moisture & oxygen-induced drug degradation, guarantee shelf life.

Heat-Seal & Easy-Open

Reliable heat-seal for seal integrity; controlled peel for unit-dose packaging.



Personal care

High-Barrier

Common. Prevent oxidation of active ingredients, fragrance loss, moisture evaporation. Use AL, high-barrier coating for cream, essence, sachet.

Special Surface-Function

High demand. Matte/high-gloss, metallic appearance, scratch-resistance, special printing effect for brand presentation.

Sustainable

Strong market driver. Recyclable, mono-material, bio-based films for brand marketing.



Industrial

Chemical-Resistant

Critical. Resist solvent, oil, industrial chemical raw-material erosion.

Special Surface-Function

Anti-static film for electronics; anti-corrosion surface; slip-modified surface.

Puncture-Resistant

Core requirement. Heavy-duty bag, bulk packaging, resist sharp filler, heavy-load mechanical stress.

High-Barrier

For electronic components, chemical raw materials. Block moisture / oxygen to avoid rust, hydrolysis.

Heat-Seal & Easy-Open

Reliable heavy-duty heat-seal; easy-open is not priority.

Sustainable

Increasing demand, driven by industrial ESG policy.



Markets+

Coffee

Requires excellent barrier properties against oxygen, moisture, and light to preserve aroma and freshness. Degassing valves are essential to release CO₂ without compromising shelf life.

Ready meals

Must withstand retort or microwave processing. Requires high-temperature resistance, excellent seal integrity, and strong barriers against oxygen and moisture to ensure food safety and extended shelf life.

Fresh produce

Requires breathable films with controlled permeability to balance oxygen and carbon dioxide levels. Anti-fog properties enhance visibility, while proper ventilation prevents condensation and extends natural shelf life.

Pet food

Demands high puncture resistance, strong seals, and effective moisture barriers. Often features resealable closures for convenience while preventing spoilage and maintaining nutritional value over time.

Dairy

Needs superior protection against light, oxygen, and contamination to prevent spoilage. High-barrier films and secure sealing are critical for preserving flavor, texture, and freshness of sensitive dairy products.

MAP

Utilizes tailored gas mixtures to slow product degradation. Demands exceptional gas barrier properties, precise seal integrity, and specialized films to maintain the modified atmosphere throughout the entire distribution chain.



Global partners

