Dongguan Eonsen Packaging Products Co., Ltd.

EONSEN

A leading integrated manufacturing enterprise specializing in flexible packaging, precision die-cutting and functional labels.

Strict on Self, Success for You

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Company Introduction

Strict on Self, Success for You

Established in 2004, EONSEN Pack Group stands as a leading force in the flexible packaging industry. Located in Dongguan, the manufacturing heart of the world, we operate from a 60,000-square-meter self-owned facility equipped with state-of-the-art automation.

With over two decades of expertise, we have scaled our operations to achieve an annual average sales volume of RMB 400 million (approx. $58 million USD). Our workforce of 260 skilled professionals includes dedicated Quality Assurance and Engineering teams, allowing us to maintain a remarkable 99.8% product yield rate and ensuring that every order meets world-class standards.

5000w$
Annual sales

256
Professional

60,000m²
Industrial Park Area



Why Global Brands Choose EONSEN

Proven Capacity: Trusted by industry leaders across diverse sectors, including Xiaomi, Pop Mart, Smartmi, LG Chem, TCL, VTech, Shengyi Technology, BTR, Sanan Semiconductor, CVTE, KTC, NVT Power, Samsung, MGA, LG, TDK, Konka Group, Topband, and other companies

15+

- Beijing Zhimi Technology Co., Ltd.
- VTech Holdings Limited
- BTR New Material Group Co.,Ltd
- Guangdong Shengyi Technology Co., Ltd.
- SAMSUNG Group
- Xiaomi Group
- LG Group
- San'an Optoelectronics Co., Ltd.
- Guangzhou Shiyuan Electronic Technology Co., Ltd.
- Dongguan NVT Technology Co., Ltd.
- POP MART
- Shenzhen KTC Technology Co., Ltd.
- MGA Entertainment Inc.
- LG Chem, Ltd.
- TCL Technology Group Corporation Limited
- TDK Corporation
- Shenzhen Topband Co., Ltd.
- Konka Group Co., Ltd.

Authority & Trust

Certified Excellence

We hold top-tier certifications including ISO9001, ISO14001, and the rigorous IATF 16949 for automotive standards.Compliance Ready: Fully compliant with Disney Audit, GRS, RoHS, RCS、Halogen-free, and REACH standards.At EONSEN Pack, we combine the scale of a major manufacturer with the precision required by Fortune 500 companies.



Manufacturing Prowess & Craftsmanship Overview

Blown Film Production Lines

Equipped with
15
fully automatic film blowing production lines

Monthly outpu
800
tons

Production efficiency is
40%
higher than the industry average.

Ultra-wide manufacturing capability of
800-2000mm

Maximum extrusion rate of the equipment
800kg/h

Equipment Features

01. Advanced 5-Layer Co-extrusion: Featuring state-of-the-art A/B/C/D/E five-layer co-extrusion technology. This system achieves a thickness precision of +-2%, significantly superior to the standard +-8% of conventional machines. Unlike traditional single or triple-layer equipment, our process enables one-step molding of multi-layer materials, drastically enhancing barrier properties, tensile strength, and visual uniformity.

02. Rigorous Digital Quality Control: The entire line is outfitted with automated tension control and online defect detection systems. Through real-time monitoring, we maintain a defect rate below 0.3% (far outperforming the industry average of 2–3%), ensuring exceptional consistency for every roll delivered.

03. Dual Advantage of Cost & Quality: Unlike smaller facilities with low extrusion output and high thickness fluctuations, our highly automated lines minimize uncertainties caused by manual intervention. We provide cost-effective and stable packaging solutions that never compromise on quality



Printing Production Lines

Equipped with

7

fully automatic printing production lines

Monthly printing capacity can reach

8million

square meters.

Yield rate of over

99.5%

real-time monitoring of every printed surface.

100%

Maximum printing speed of

350m/min

Equipped with industrial-grade

9-color

high-speed printing lines



Equipment Features

01. 9-Color Visual Performance: Featuring industrial-grade 9-color high-speed printing lines, we control registration precision within +-0.1mm (significantly tighter than the industry standard of +-0.3mm). With a remarkable 98% color fidelity, we perfectly reproduce complex patterns and anti-counterfeiting details—offering a color range and depth far exceeding traditional 6-color equipment.

02. Ultimate Delivery Efficiency: Boasting a maximum printing speed of 350 m/min (far surpassing the industry average of 250 m/min), paired with a fully automated color registration system, our changeover and adjustment efficiency is increased by 50%. While ensuring rapid delivery, our efficiency is increased by 50%. While ensuring rapid delivery, our intelligent drying system achieves 30% energy optimization, practicing green and sustainable production.

03. Flexible Multi-Scenario Customization: Supporting both solvent-based and eco-friendly water-based inks, we flexibly match the environmental and durability requirements of various sectors, including personal care, electronics, and food, providing you with more competitive packaging solutions

Lamination Production Lines

Equipped with

4

digital laminating production lines

Monthly laminating capacity can reach

9.1million

meters

Peel strength up to

8N/15mm

Lamination strength increased by

20%

Production efficiency is

60%

higher than traditional equipment.

With an ultra-high operating speed of

400m/min



Equipment Features

01. Eco-Friendly & Zero Residue: Utilizing industry-leading 4-in-1 solvent-less lamination technology, we eliminate the risk of solvent residue at the source. Compared to traditional solvent-based processes, our method strictly adheres to international environmental standards and the most rigorous hygiene and safety requirements.

02. Superior Physical Performance: Leveraging a closed-loop tension control system, we ensure uniform bonding with zero bubbles. Our peel strength reaches 8N/15mm (significantly higher than the industry average of 5N/15mm), with a 20% increase in composite strength, ensuring packaging remains delamination-free and rupture-resistant even in extreme environments.

03. High-Efficiency Integrated Production: Our "4-in-1" one-step molding reduces material loss during process transfers and boosts production efficiency by 60% compared to traditional equipment. With a top operating speed of 400 m/min, we guarantee high-quality, rapid delivery for bulk orders.

04. High-Precision Coating Control: Equipped with an automatic adhesive mixing system, we maintain coating precision within ± 1 gsm. This extreme process stability ensures physical consistency in lamination strength, providing products with extended shelf life and optimized barrier properties.

Bag-Making & Cutting Production Lines

Equipped with

34

automatic bag cutting & making production lines

Monthly finished bag output can reach

35.1million

pieces

Equipped with an ultra-wide feeding capacity of

2300mm

Far exceeding the industry's general limit of

1600mm



Equipment Features

01. Precision Flying-Knife Cold-Cutting Process: Utilizing advanced cold-cutting technology, we ensure zero heat generation during the cutting process. This effectively eliminates common issues like melted edges, sticking, or deformation caused by traditional heat-cutting, ensuring mirror-smooth edges while perfectly preserving the material's original physical and chemical stability.

02. Fully Automated Digital Control: Our lines integrate multiple processing modes, including flat bags, double-seal bags, side-seal bags, and sheet materials. Equipped with automatic edge-guiding and closed-loop tension systems, we ensure zero deviation and wrinkling even during high-intensity operations, maintaining extreme cutting precision.

03. High Material Versatility: Fully compatible with a wide range of flexible packaging materials including PE, PO, laminated films, and woven fabrics. We flexibly address diverse customization needs across the industrial, logistics, and specialty packaging sectors.

List of Customization Scope and Capabilities for Flexible Packaging Products

Category	Single-layer bag	Composite bag	Rollstock
Sealed bag	Heat seal strength can reach 8–12 N/15mm	Heat seal strength can reach 10–100 N/15mm. Sealing strips or zippers can be added.	Suitable for automatic packaging production lines, heat seal strength can reach 10–100 N/15mm.
Light-proof bag	Light transmittance ≤ 3%	Light transmittance ≤ 1%, aluminum foil or high-light-shielding coating can be added to the multi-layer composite structure.	Customizable light-blocking grade, light transmittance ≤ 1%, suitable for roll-type light-proof packaging materials.
Puncture-resistant bag	Puncture strength: 4–8 N	Puncture strength: 5–18 N, can be laminated with nylon or high-strength materials.	Puncture strength: 5–18 N, can be laminated with nylon or high-strength materials.
High-barrier bag (Structure with low water vapor and oxygen transmission rate)	/	Water vapor transmission rate ≤ 0.06 g/m²·24h, oxygen transmission rate ≤ 10 cm³/m²·24h. High-barrier materials such as aluminum foil can be used for lamination.	Water vapor transmission rate ≤ 0.08 g/m²·24h, oxygen transmission rate ≤ 15 cm³/m²·24h.Multi-layer composite structure available.
Antistatic bag	Surface resistance: 10^{9}–10^{11} Ω	Surface resistance: 10^{6}–10^{10} Ω. Anti-static layer or anti-static agent can be compounded or added.	Surface resistance: 10^{6}–10^{10} Ω. Anti-static layer or anti-static agent can be compounded or added.
Conductive bag	Surface resistance ≤ 10^{4} Ω	Surface resistance ≤ 10^{4} Ω	Surface resistance ≤ 10^{4} Ω
Zipper bag	Resealable ≥ 200 times	Resealable ≥ 200 times	/
Vented Bag	The size and quantity of ventilation holes can be customized.	The size and quantity of ventilation holes can be customized.	The size and quantity of ventilation holes can be customized.
Freezer-grade bag	Can withstand low temperature down to -20℃.	Can withstand low temperature down to -20℃.	Can withstand low temperature down to -20℃.
High-temperature retort pouch	Withstand temperature: 80–100℃	Capable of withstanding high-temperature retorting at 121–135℃	Withstand high-temperature sterilization at 121–135℃
Dust-free bag	Number of particles ≥100 μm inside the bag: ≤5 particles/L	Number of particles ≥100 μm inside the bag: ≤8 particles/L	Number of particles ≥100 μm inside the bag: ≤8 particles per liter
Oil-resistant bag	After being immersed in oil at 40 ℃ for 30 days, the tensile strength retention rate is ≥85%.	After accelerated aging test in grease at 60℃ for 14 days, the material shows no delamination, no softening, and the tensile strength retention rate is ≥80%.	After accelerated aging test in grease at 60℃ for 14 days, the material shows no delamination, no softening, and the tensile strength retention rate is ≥80%.
VCI anti-rust bag	Vapor phase corrosion inhibition technology provides indoor rust protection for ferrous and non-ferrous metals for 12 months at temperatures ranging from -20℃ to +60℃	Vapor phase corrosion inhibition technology provides indoor rust protection for ferrous and non-ferrous metals for 12 months at temperatures ranging from -20℃ to +60℃	Vapor phase corrosion inhibition technology provides indoor rust protection for ferrous and non-ferrous metals for 12 months at temperatures ranging from -20℃ to +60℃

List of Customization Scope and Capabilities for Flexible Packaging Products

Category	Single-layer bag	Composite bag	Rollstock
Flame-retardant bag	It adopts additive-type flame retardant technology, which effectively inhibits flame spread and promotes self-extinguishment when exposed to fire, reaching UL94 V-0 flame retardancy. However, its mechanical properties are lower than those of ordinary bags.	/	/
Anti-slip bag (high friction)	Coefficient of friction: 0.3–0.4	Coefficient of friction: 0.3–0.6	Coefficient of friction: 0.3–0.6
High-slip bag	Coefficient of friction: 0.08–0.12	Coefficient of friction: 0.08–0.12	Coefficient of friction: 0.08–0.12
Surface treatment	Transparent, printed	Glossy Finish, Matte Finish, Spot UV, Soft Touch Finish, Foil Stamping, Holographic Finish, Mirror Effect, Pearlescent Finish,Thermochromic, Photochromic	Glossy Finish, Matte Finish, Spot UV, Soft Touch Finish, Foil Stamping, Holographic Finish, Mirror Effect, Pearlescent Finish,Thermochromic, Photochromic
Product Material	PE、PO、CPP、CPE、OPP	Multi-layer composite structure: up to 5 layers can be laminated simultaneously. Inner material: PE/CPP Outer material: OPP/PET/PA/AL/CP-P/PE/VMOPP/VMPET/VMCPP	Single-layer and multi-layer composite materials are available. For specific materials, please refer to the applicable materials for single-layer bags and composite bags.
Product size range	Width: 50–2100 mm Length: 70–3000 mm	Width: 50–1650 mm Length: 50–3000 mm	Width: 50–2100 mm Length: Customized
Printing color range	1–4 colors	1–13 colors	1–13 colors
Thickness tolerance	±5-±8%	±3-±5%	±3-±5%
Sustainable development options	Recyclable (no/light printing), biodegradable(PE/PO/CPP/P-BAT/PLA), paper bags (recyclable)	Recyclable (no / light printing), biodegradable (multi-layer printable), recyclable structural design	Recyclable (no printing), biodegradable (single-layer / multi-layer), recyclable film roll structure.

Industry Solutions & Product Showcase

Electronics and New Energy

PO/PE Anti-static Flat Bag



Prevents static electricity accumulation and dust adsorption, protects components Clean

Three-side sealed aluminum foil anti-static composite bag



Blocks moisture intrusion, provides dual protection against static electricity and moisture

Three-side sealed anti-static shielding composite bag



Shields against external electromagnetic interference and prevents electrostatic breakdown of chips

Three-side sealed anti-static vacuum composite bag



Evacuates oxygen to prevent oxidation and extend the service life of precision components

Three-side sealed aluminum foil zipper composite bag



Strong barrier and resealable design for easy multiple access and storage

Shaped Composite Bag



Fits irregularly shaped components, reduces packaging volume and shipping costs

Three-side sealed aluminized envelope bag



Aluminized layer provides light blocking, moisture resistance and tear resistance, ensuring safe delivery of electronic components.

Shrink Sleeve



360° tight shrink fit for enhanced packaging integrity,waterproof, dustproof and more aesthetic.

PO Square Bag



3D structure saves storage space; anti-static and tear-resistant, suitable for classified storage and display of electronic components and precision parts.

Toys and Retail

PO/PE handle bag



High load-bearing capacity and portable, enhancing the customer shopping experience

Header Bag



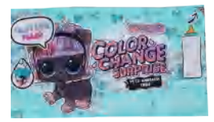
Standard hanging hole design, perfectly suitable for display on supermarket shelves

Side Seal Composite Drawstring Bag



Pull to close for easy storage, ideal for preventing loss of toy accessories

PET Shrink Sleeve



360° fits irregularly shaped bottles, displaying brand patterns in full view

Three-side sealed aluminized composite stand-up pouch



Completely opaque and anti-peeping, the metallic texture enhances the grade of blind boxes

Middle seal / Back seal bag



Economical packaging structure, maximizes internal volume efficiency

Three-side sealed aluminum foil composite bag



Completely opaque and anti-peeping, the metallic texture enhances the grade of blind boxes

Shaped Composite Bag



Customized fun appearance, differentiated display to instantly catch customers' attention

Eight-side sealed composite bag



Displays brand information on five sides, stands stably for display, maximizing visual impact

Home & Personal Care

PO/PE Ziplock Bag



Tightly sealed to prevent air leakage, keeping home storage neat and hygienic.

Shaped Composite Spout Pouch



Smooth pouring without dripping, portable and more hygienic to use.

Shaped Composite Bag



Customized personalized appearance, instantly eye-catching on shelf display

Three-side sealed aluminized composite stand-up pouch



Smooth pouring without dripping, portable and more hygienic to use.

Three-side sealed aluminum foil composite bag



High barrier, light-proof and moisture-proof

Side Seal Composite Drawstring Bag



Double drawstring for easy opening and closing, dustproof and hygienic, suitable for storage

Three-side sealed aluminized composite header bag



High-gloss metallic appearance, more eye-catching when hung on shelves

Heavy & Bulk Packaging

Shaped Aluminum Foil Composite Liner for Bulk Bags



Perfectly fits bulk bags, blocks high humidity and salt spray during ocean shipping

Flat-opening PE high-puncture resistant heavy-duty bag



Resists sharp materials and prevents punctures and breakage during transportation

Three-side sealed high-barrier composite bag



Locks chemical activity, prevents raw material volatilization or moisture absorption

Laminated reinforced aluminum foil composite roll film



Mesh-reinforced for tear resistance, high barrier, moisture-proof and anti-corrosion

PE anti-slip roll film



High surface friction coefficient ensures heavy goods do not slip during stacking

Aluminum Foil Four-Side Standard Pouch (Square Bottom)



Stable three-dimensional structure for upright standing; aluminum foil layer provides excellent light and oxygen barrier. Suitable for long-term storage of high-end food and electronic products.

Chemical & Raw Materials

PE flat-opening heavy-duty anti-slip bag



Increases friction coefficient to ensure no slipping during high-level stacking

Heavy-duty anti-slip PE roll film



Suitable for high-speed automatic packaging, stable and safer stacking.

Three-side sealed aluminum foil composite bag



Ultra-high barrier performance, prevents chemical raw materials from moisture, deterioration, oxidation and volatilization

PO/PE Flat Bag



Chemical corrosion resistant and puncture resistant, effectively prevents powder raw material leakage

Laminated reinforced aluminum foil composite roll film



Mesh reinforced structure, tear-resistant and puncture-resistant, tougher.

Pet Products

Eight-sided sealed moisture-proof composite dog food bag



Stands stably with five-sided display, locks freshness perfectly and prevents moisture

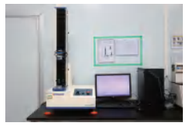
Four-side sealed moisture-proof composite cat food bag



Side gusset structure keeps the bag stiff and upright without collapsing

Quality Assurance & Laboratory

Packaging Material Testing Equipment Information

Equipment Name	Equipment Image	Usage
Tensile Testing Machine		Tests the mechanical strength of packaging films and bags, including tensile, puncture, and elongation at break.
Coefficient of Friction Tester		Tests the slip property of packaging materials and optimizes bag opening performance.
Seal Integrity Tester		Verifies packaging seal integrity and ensures no air leakage after vacuum extraction.
Computerized Tensile and Compression Testing Machine		Tests the tensile strength, adhesion and peeling strength of protective films and tapes.
Electrostatic Field Tester		Measures surface electrostatic voltage and avoids assembly risks.
Photoelectric Haze Meter		Tests the haze of transparent films to ensure optical performance.

Quality Assurance & Laboratory

Packaging Material Testing Equipment Information

Equipment Name	Equipment Image	Usage
Color Matching Light Box		Unify the color matching environment and eliminate color difference of printed products.
Surface Resistance Tester		Detects the surface resistance of packaging and controls electrostatic risks.
Falling Dart Impact Tester		Ensure excellent puncture resistance and durability during transit.
X-Rite Color Meter		Confirm the printing color standard and improve product yield.
Transport Vibration Test System		Simulate transportation vibration to verify the effect of the full carton packaging.
Automatic Micro Moisture Analyzer		Measure the moisture content of solvents to improve printing quality.

Laboratory Showcase

