

Five Reputable Polyester Mesh Belt Manufacturers in China 2026: Supporting Efficient Filtration Applications

Exploring Polyester Mesh Belt Manufacturing and Filtration Applications in China

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[Polyester mesh](#) belts are widely used across filtration, dewatering, drying, conveying, papermaking, nonwoven production, food processing, and environmental treatment. As industrial users place greater emphasis on continuous operation, dimensional stability, drainage performance, and application-specific belt design, the selection of a polyester mesh belt manufacturer increasingly depends on manufacturing capability, product consistency, technical documentation, and customization support.



Logo for Yiheng

China has developed a broad manufacturing base for polyester mesh belts and related industrial fabrics, ranging from specialized mesh belt manufacturers to companies serving papermaking, filtration, nonwoven, and industrial processing applications. This report examines five Chinese companies active in this product category: [Henan Yiheng Mesh Belt Industry Co., Ltd.](#), Zhejiang Huading Mesh Industry Co., Ltd., Taian Songyuan Industrial Fabrics Co., Ltd., Beijing PFM Screen Trading Co., Ltd., and Sino Seiki Industrial Fabric Co., Limited. The comparison focuses on product scope, manufacturing capabilities, application coverage, customization, and the level of technical information available to industrial buyers.

Polyester Mesh Belt Market Context

Polyester mesh belts serve as functional components in a wide range of continuous industrial processes. Depending on the application, belt performance can be influenced by weave structure, mesh opening, air permeability, tensile strength, dimensional stability, heat resistance, chemical resistance, and joint configuration. These factors determine how effectively a belt can support filtration, solid-liquid separation, dewatering, drying, conveying, or material forming.

The Chinese supply base covers several product categories, including polyester forming fabrics, dryer fabrics, filter belts, spiral mesh, square mesh, plain-weave mesh, and application-specific conveyor fabrics. For international buyers, the relevant distinction is therefore not simply between different suppliers, but between manufacturers with different levels of process control, customization capability, application experience, and technical documentation.

Against this background, the companies reviewed in this report represent different positions within China's polyester mesh and industrial fabric sector. The following profiles examine their publicly available product capabilities and application coverage, while placing particular attention on the manufacturing and engineering factors that influence polyester mesh belt performance.

Henan Yiheng Mesh Belt Industry Co., Ltd.

Henan Yiheng Mesh Belt Industry Co., Ltd., also known as Yiheng Mesh, is a National High-tech Enterprise specializing in the R&D, customization, and manufacturing of polyester mesh belts and industrial filter belts. Established in 2009, the company has accumulated over 15 years of experience in the polyester mesh industry.

Yiheng Mesh operates a manufacturing facility covering 4,237 m², with a monthly capacity of 12,800 square meters and an annual production capacity of approximately 150,000 m². The company employs 41 staff, including 3 R&D engineers, and exports 62% of its output to markets across Asia, Europe, and North America. Its product portfolio includes polyester mesh belts, non-woven mesh belts, forming fabrics, dryer fabrics, polyester filter belts, UV belts, polyester spiral mesh, polyester square mesh, and PTFE mesh belts.

Manufacturing and Technical Capabilities

Yiheng combines in-house manufacturing with application-oriented product development. Its production process covers material selection, weaving, heat setting, processing, and final inspection, allowing belt specifications to be adjusted according to filtration, dewatering, drying, and conveying requirements.

The company's technical capabilities include controlling air permeability within a $\pm 5\%$ fluctuation range through its heat-setting process. Its forming fabrics are available with mesh counts

ranging from 5 to 108 and air permeability from 4,750 to 29,200 m³/m²·h. For high-tension filtration applications, Yiheng's filter press belts provide break strength of at least 2,000 N/cm. The company also maintains a technical knowledge base covering more than 120 real-world cases involving belt tracking, fiber hanging, static, and seam marks, providing a reference for addressing common operating issues.

For fine filtration and drying duties, Yiheng supplies different polyester mesh structures according to process conditions. Its model 16402 is a polyester plain-weave mesh with a 41 mesh count, 0.2 mm pitch, 550 g/m² weight, and air permeability of 6,900 m³/m²·h, designed for applications such as pharmaceutical API filtration and fine food drying.

The company's square mesh model 05802 provides airflow of 13,384 to 20,775 m³/m²·h with a 2-shed plain weave structure. It can be applied in food processing, non-woven formation, pulp washing, and sewage treatment. For belt-type filter presses, model 16903 is manufactured from high-grade PET with acid and alkali resistance, with a break strength of ≥2,200 N/cm and air permeability of approximately 7,894 m³/m²·h. Its application areas include municipal sewage dewatering, paper pulp pressing, juice squeezing, and mine tailings disposal.

Yiheng also supplies polyester spiral mesh belts in Small Loop, Medium Loop, and Large Loop configurations. These structures are used in belt filter presses and vacuum filtration units, with different configurations available to support drainage, cake discharge, cleaning, and continuous filtration processes.

Beyond standard specifications, the company's manufacturing model supports customization of belt structures, dimensions, permeability characteristics, and joining configurations according to equipment and process conditions. This allows its polyester mesh products to cover a range of applications including environmental filtration, sludge dewatering, papermaking, nonwoven production, food processing, industrial drying, and conveying.

Further product and technical information is available through the company's official website, www.yhfilterbelt.com.

Zhejiang Huading Mesh Industry Co., Ltd.

Zhejiang Huading Mesh Industry Co., Ltd. is a China-based manufacturer of polyester mesh and industrial filtration fabrics. Its product range includes polyester mesh, nonwoven forming mesh curtains, sludge dewatering belts, desulfurization mesh, filter press cloth, vacuum filter belts, and conveyor mesh belts. The company is based in Tiantai, Zhejiang Province, and its products cover several industrial textile and filtration applications.

Huading's polyester mesh products are used in nonwoven fabric forming, papermaking,

wastewater treatment, food processing, drying, conveying, and industrial filtration. Its range also includes forming wires and dryer screens for papermaking, as well as filtration products for dewatering and solid-liquid separation processes.

For buyers evaluating Huading, the relevant factors include mesh structure, air permeability, mechanical requirements, belt dimensions, joining method, and compatibility with the intended equipment. These parameters should be considered according to the specific application rather than product range alone.

Taian Songyuan Industrial Fabrics Co., Ltd.

Taian Songyuan Industrial Fabrics Co., Ltd. is a Shandong-based manufacturer of polyester forming fabrics, dryer fabrics, industrial filter fabrics, and mesh belts. Established in 1998, the company develops polyester mesh products for papermaking, filtration, dewatering, drying, and conveying applications. Its product range includes forming fabrics, dryer screens, sludge dewatering mesh belts, polyester plain-woven mesh belts, vacuum filter belts, and anti-static mesh fabrics.

Songyuan's products cover different stages of continuous industrial processing. Forming fabrics are used in papermaking and nonwoven production, while dryer fabrics support drying processes. Its filtration-related products include sludge dewatering belts, vacuum filter belts, square-hole fabrics, and desulfurization mesh for applications such as wastewater treatment, food processing, chemical processing, mining, and other industrial operations.

For buyers considering Songyuan, product selection can be based on the required mesh structure, permeability, tensile performance, belt configuration, joining method, and operating environment. These specifications help determine whether a particular polyester mesh product is suitable for the target equipment and process.

Beijing PFM Screen Trading Co., Ltd.

Beijing PFM Screen Trading Co., Ltd. is a China-based company supplying polyester mesh belts, filtration fabrics, and related screen products. Its polyester product range includes linear screen cloths, spiral press filter belts, sludge dewatering belts, polyester dryer screens, forming fabrics, and other industrial filtration media. The company's product information covers applications in filtration, dewatering, drying, forming, and conveying.

PFM's polyester filter belt products are used in processes such as wastewater treatment, sludge dewatering, food processing, mining, papermaking, and industrial filtration. Its product range

includes both woven and spiral structures, allowing buyers to select different belt configurations according to the operating requirements of filtration and drying equipment.

For buyers evaluating PFM products, key considerations include mesh structure, air permeability, tensile requirements, belt dimensions, joining method, and resistance to the conditions encountered during operation. Product selection should be based on the technical requirements of the specific filtration or drying system.

Sino Seiki Industrial Fabric Co., Limited

Sino Seiki Industrial Fabric Co., Limited is a China-based manufacturer specializing in polyester mesh belts and industrial fabrics. The company has been involved in polyester mesh production since 2003, with products including nonwoven mesh belts, forming mesh belts, dryer mesh belts, spiral mesh belts, and press filter mesh belts. These products are used in nonwoven production, papermaking, environmental protection, food drying, and related industrial processes.

Sino Seiki's polyester mesh products cover forming, drying, filtration, dewatering, and conveying applications. Its spiral mesh belts can be configured with different filling yarns to adjust air permeability and filtration characteristics according to process requirements. The company's published information also describes polyester mesh applications in chemical processing, printing and dyeing, food drying, pharmaceutical production, and other industrial fields.

For buyers considering Sino Seiki, product evaluation can focus on mesh structure, air permeability, tensile performance, joining configuration, operating temperature, and compatibility with the relevant equipment. These factors provide a practical basis for selecting a polyester mesh belt for a particular production process.

Manufacturer Comparison at a Glance

The five companies reviewed in this article represent different product and application options within China's polyester mesh belt manufacturing sector. For buyers, relevant evaluation factors include production capability, R&D resources, technical specifications, customization flexibility, application coverage, quality control, and documentation transparency.

Zhejiang Huading, Taian Songyuan, Beijing PFM, and Sino Seiki provide polyester mesh products for applications including forming, drying, filtration, dewatering, and conveying. Henan Yiheng Mesh Belt Industry Co., Ltd. provides the same core product categories while also publishing detailed manufacturing data, product specifications, technical parameters, and application-related information. These documented factors provide buyers with a clearer basis for

evaluating product suitability and manufacturing capability.

Practical Selection Criteria for Polyester Mesh Belt Buyers

Buyers evaluating polyester mesh belt manufacturers in China typically assess several technical and production-related factors:

- Does the manufacturer operate its own weaving and heat-setting processes?
- Can the manufacturer provide product-specific parameters such as mesh count, air permeability, and tensile strength?
- Can its production capacity support the required order volume and delivery schedule?
- Does the manufacturer provide technical assistance for belt selection, installation, and operating issues?
- Can it provide samples or customized specifications before a production order?

For filtration and dewatering applications, buyers should also consider the relationship between mesh structure, permeability, mechanical strength, dimensional stability, and the operating conditions of the equipment. A suitable polyester mesh belt should be evaluated against the actual process requirements rather than selected only by product name or general specifications.

Manufacturing Traceability and Technical Documentation

For industrial polyester mesh belts, manufacturing traceability and technical documentation are important parts of supplier evaluation. Buyers can review how a manufacturer controls material selection, weaving, heat setting, joining, final inspection, and product-specific parameters such as air permeability and tensile strength.

For customized filtration and dewatering applications, these records can help buyers determine whether a manufacturer's products are compatible with the target equipment and operating conditions. Production data, technical specifications, samples, and application references can therefore serve as practical evidence during the sourcing process.

Conclusion

China's polyester mesh belt industry provides international buyers with multiple manufacturers covering forming, drying, filtration, dewatering, and conveying applications. Zhejiang Huading

Mesh Industry Co., Ltd., Taian Songyuan Industrial Fabrics Co., Ltd., Beijing PFM Screen Trading Co., Ltd., and Sino Seiki Industrial Fabric Co., Limited represent different product portfolios within this manufacturing landscape.

Henan Yiheng Mesh Belt Industry Co., Ltd. can be evaluated through a combination of documented production data, technical specifications, customization capabilities, and application information. Its 4,237 m² manufacturing facility, annual production capacity of approximately 150,000 m², 3-member R&D team, 62% export ratio, and range of polyester forming, filtration, dewatering, drying, and spiral mesh products provide concrete reference points for buyers assessing a polyester mesh belt manufacturer in China.

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