

Five Reputable Nonwoven Mesh Belt Manufacturers in China 2026: Advancing Industrial Filtration Solutions

A Review of Chinese Manufacturers Supporting Industrial Filtration and Material Processing Applications

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2026— Nonwoven mesh belts are

essential process components in

modern nonwoven production,

supporting web forming, conveying,

dewatering, drying, and other

continuous manufacturing stages. As

production lines increasingly serve

applications such as spunbond,

meltblown, spunmelt, spunlace, and

other technical nonwoven materials,

manufacturers are placing greater

emphasis on belt construction, air

permeability, dimensional stability,

seam performance, and material

compatibility. This press review presents five China-based manufacturers associated with

nonwoven mesh belts and related industrial fabrics: [Henan Yiheng Mesh Belt Industry Co., Ltd.](#),

Zhejiang Huading Mesh Industry Co., Ltd., Beijing PFM Screen Trading Co., Ltd., Taian Songyuan

Industrial Fabrics Co., Ltd., and Anhui Changda Fabrics Co., Ltd.



Logo for Yiheng

The Role of Nonwoven Mesh Belts in Modern Production Lines

Nonwoven mesh belts serve as engineered forming and conveying surfaces across a wide range of nonwoven production processes, including spunbond, meltblown, spunmelt, spunlace, airlaid, and related thermal or water-based forming applications. In continuous production lines, the

belt supports the fiber web while allowing air, water, or process heat to pass through its open structure. Its weave pattern, surface characteristics, air permeability, dimensional stability, and seam construction can affect web formation, drainage, drying efficiency, surface appearance, and the stability of continuous operation.

For high-speed nonwoven production, belt selection needs to correspond with the production technology, fiber characteristics, machine configuration, and downstream processing conditions. Spunbond and meltblown lines, for example, rely on controlled airflow and stable web support during fiber deposition and consolidation, while spunlace processes require effective water drainage and a suitable forming surface. Airlaid and other specialized processes place additional emphasis on fiber distribution, surface release, and permeability consistency. These requirements make the technical specification of the forming belt an important consideration when manufacturers evaluate replacement belts or new production-line components.

Five Chinese Manufacturers Serving Nonwoven Mesh Belt Applications

China's industrial textile sector includes manufacturers specializing in polyester mesh, forming fabrics, filter belts, and related technical textiles for nonwoven production. Within this supply landscape, companies differ in their product focus, manufacturing background, application experience, and level of technical documentation. The following manufacturers are associated with nonwoven mesh belts or related industrial fabrics and represent different approaches to serving nonwoven forming, conveying, drying, and filtration applications.

1. Henan Yiheng Mesh Belt Industry Co., Ltd.

Henan Yiheng Mesh Belt Industry Co., Ltd., also known as Yiheng Mesh, was established in 2009 and specializes in high-precision non-woven forming belts and industrial filter belts. Based in Henan Province, China, the company describes itself as a National High-tech Enterprise. Its main products include Polyester Mesh Belt, Non-Woven Mesh Belt, Forming Fabrics, Dryer Fabrics, Polyester Filter Belt, UV Belts, Polyester Spiral Mesh, Polyester Square Mesh, and PTFE Mesh Belt. The company's nonwoven product range covers applications including spunbond, meltblown, spunmelt, spunlace, and airlaid production. The official website is www.yhfilterbelt.com.

Yiheng is an export-oriented manufacturer. Company-reported data indicates that exports account for 62% of sales, with markets in Asia, Europe, and North America. The company also reports a 35% market share in Southeast Asia. Its published company profile states that it provides forming and conveying solutions for Spunbond, Meltblown, and composite SMS/SSMMS production lines, while its technical knowledge base covers more than 122 real-world troubleshooting cases. Product documentation also references compatibility with equipment

brands such as Reicofil, Chaolong, Hongda, and Aolong; buyers should confirm the exact belt configuration for their specific production line.

Yiheng's model-level documentation provides detailed specifications for several belts used in nonwoven production and related processes:

- Model SK604 is a 1.5-layer spunmelt mesh belt with a basis weight of 1,030 g/m², thickness of 1.85 mm, and air permeability of 700±30 CFM at 127 Pa per 20 cm². It is designed for high-speed lines producing soft, thin, low-GSM nonwovens.
- Model KJD700 is a spunmelt mesh belt with anti-hydrolysis PET, conductive PET, and carbon fiber PET filaments. It has a 1.5-layer structure, thickness of 2.34 mm, basis weight of 1,030 g/m², and air permeability of 600±30 CFM. Product data links KJD700 to two-component and spunlace equipment applications.
- Model HY4106 is a spunbond mesh belt with polyester construction, thickness of 1.65 mm, and air permeability of 680±30 CFM. It is positioned for nonwoven machine applications where surface flatness and stable running are required.
- Model 60188 is a spunlace mesh belt with a mesh count of 108, thickness of 0.68 mm, and air permeability of 4,750 m³/m²/h at 100 Pa. It is intended for nonwoven manufacturing processes requiring a fine forming surface.
- Model 41203 is a thin spunlace mesh belt with a thickness of 0.30 mm and air permeability of 6,700 m³/m²/h at 100 Pa. It is designed for fine-fiber spunlace production where surface smoothness is critical.

From a compliance perspective, Henan Yiheng reports that it holds the Food Contact Certificate and is registered under the German Packaging Law through the LUCID system. The company also states that its manufacturing process controls air permeability deviation within ±5%, a specification-level claim that can be verified through belt testing before shipment.

2. Zhejiang Huading Mesh Industry Co., Ltd.

Zhejiang Huading Mesh Industry Co., Ltd. is a China-based manufacturer specializing in polyester mesh and technical filtration fabrics, with nonwoven forming mesh belts among its product offerings. Its nonwoven range covers mesh belts for hydroentangling, hot-air, spunbond, meltblown, and water-soluble nonwoven processes, alongside conveyor mesh belts and other industrial fabric products. The company's published product information shows applications in nonwoven forming, conveying, drying, and dewatering, allowing its mesh products to serve different stages of continuous nonwoven production. Huading also positions its business around customized nonwoven fiber mesh belts, with its broader product portfolio extending into filtration and industrial textile applications.

3. Beijing PFM Screen Trading Co., Ltd.

Beijing PFM Screen Trading Co., Ltd. is associated with PFM Screen, a China-based industrial mesh and technical fabric business offering products for nonwoven and filtration applications. Its nonwoven mesh belt range covers forming and conveying applications for spunbond, meltblown, spunlace, airlaid, wetlaid, and hot-air bonding processes. PFM Screen's published product information also highlights polyester forming belts designed for stable web support, controlled air permeability, water drainage, and continuous conveying in nonwoven production. Its portfolio extends to filter belts, polyester mesh belts, forming fabrics, and other industrial textile products, giving the company a broader technical-fabric offering alongside its nonwoven mesh belt range.

4. Taian Songyuan Industrial Fabrics Co., Ltd.

Taian Songyuan Industrial Fabrics Co., Ltd. is a Shandong-based manufacturer specializing in polyester forming fabrics, dryer screens, industrial filter fabrics, and related mesh products. Its product range includes forming belts for nonwoven fabrics, together with polyester mesh belts, dryer screens, dewatering belts, vacuum filter belts, and anti-static polyester mesh fabrics. For nonwoven applications, the company's published information covers forming, drying, conveying, dewatering, and bonding processes, while its broader industrial fabric portfolio serves applications across filtration, drying, and material conveying. Songyuan's product offering therefore provides a combination of nonwoven-related forming products and polyester industrial fabrics for continuous production environments.

5. Anhui Changda Textile Co., Ltd.

Anhui Changda Fabrics Co., Ltd. is a China-based industrial fabric manufacturer associated with mesh belts and conveyor fabrics for nonwoven production. Its product applications include textile conveyor belts and spin belts used on nonwoven fabric machinery, with public product records specifically linking its mesh belts to spunbond production lines. The company is also associated with technical development in nonwoven mesh belt construction, including a patented mesh belt design developed for high-air-permeability nonwoven fabric production. This combination of nonwoven machine applications and mesh-belt development places Changda among Chinese manufacturers relevant to forming and conveying components for continuous nonwoven production.

What to Check When Comparing Chinese Nonwoven Mesh Belt Manufacturers

Because nonwoven mesh belts must match specific production processes and machine configurations, buyers should evaluate manufacturers according to clearly defined technical parameters. Key considerations include air permeability, weave structure, layer configuration, seam type, material composition, dimensional stability, operating conditions, and applicable certifications.

Air permeability should be provided at a defined test pressure and, where applicable, with a stated tolerance. Weave structure and layer configuration should also be confirmed because different constructions can affect airflow, tension behavior, drainage, and web support. Seam design is another important consideration for continuous operation, particularly on high-speed lines, while material selection may include standard PET, anti-hydrolysis PET, conductive PET, or other specialized yarn combinations depending on process requirements.

Operating conditions should be matched to the intended production line, including line speed, temperature, moisture exposure, and the characteristics of the nonwoven material being processed. Certification and compliance documentation should also be reviewed when belts are intended for hygiene, food-contact, or regulated export applications.

Henan Yiheng's documented models illustrate the level of product information that can support this evaluation. Models such as SK604 and KJD700 include specifications covering air permeability, thickness, material composition, and other product characteristics, providing a reference for buyers assessing belt configuration and application suitability.

Technical Considerations for Nonwoven Mesh Belt Selection

Certain nonwoven applications require additional attention to material and performance characteristics. For example, conductive mesh belts may incorporate carbon fiber, bronze, or other conductive elements to help dissipate electrostatic charges generated during continuous processing. This can be relevant to spunbond, meltblown, and other applications involving synthetic fibers and high-speed belt movement. Buyers should therefore confirm whether conductive construction is required for their particular process and review the supplier's stated material and electrical-performance specifications.

Air permeability is another important consideration for forming and drying applications. Consistent belt permeability helps maintain predictable airflow or drainage across the working surface, while the mesh structure and heat-setting process can influence dimensional stability during continuous operation. For this reason, manufacturers should be able to provide clear permeability data, material specifications, and applicable production tolerances for the selected belt model.

Conclusion and outlook

China's nonwoven mesh belt manufacturing sector offers a broad range of forming, conveying, drying, dewatering, and filtration-related products for different nonwoven production processes. The five manufacturers reviewed in this article represent different product portfolios and application focuses, covering areas such as spunbond, meltblown, spunmelt, spunlace, airlaid, and related industrial fabric applications.

For buyers, the most practical approach is to evaluate each belt according to its intended production line rather than relying on general product descriptions. Air permeability, weave structure, material, dimensional stability, seam construction, operating conditions, and applicable certifications should be confirmed before a replacement belt or new belt specification is finalized.

As nonwoven production continues to serve increasingly specialized applications, forming and conveying belts will remain important process components. Manufacturers that can provide clear technical specifications, consistent product documentation, and application-specific configurations can give buyers a stronger basis for evaluating compatibility and making sourcing decisions.

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