

## HENAN BEYNOST TEXTILE TECHNOLOGY CO., LTD.

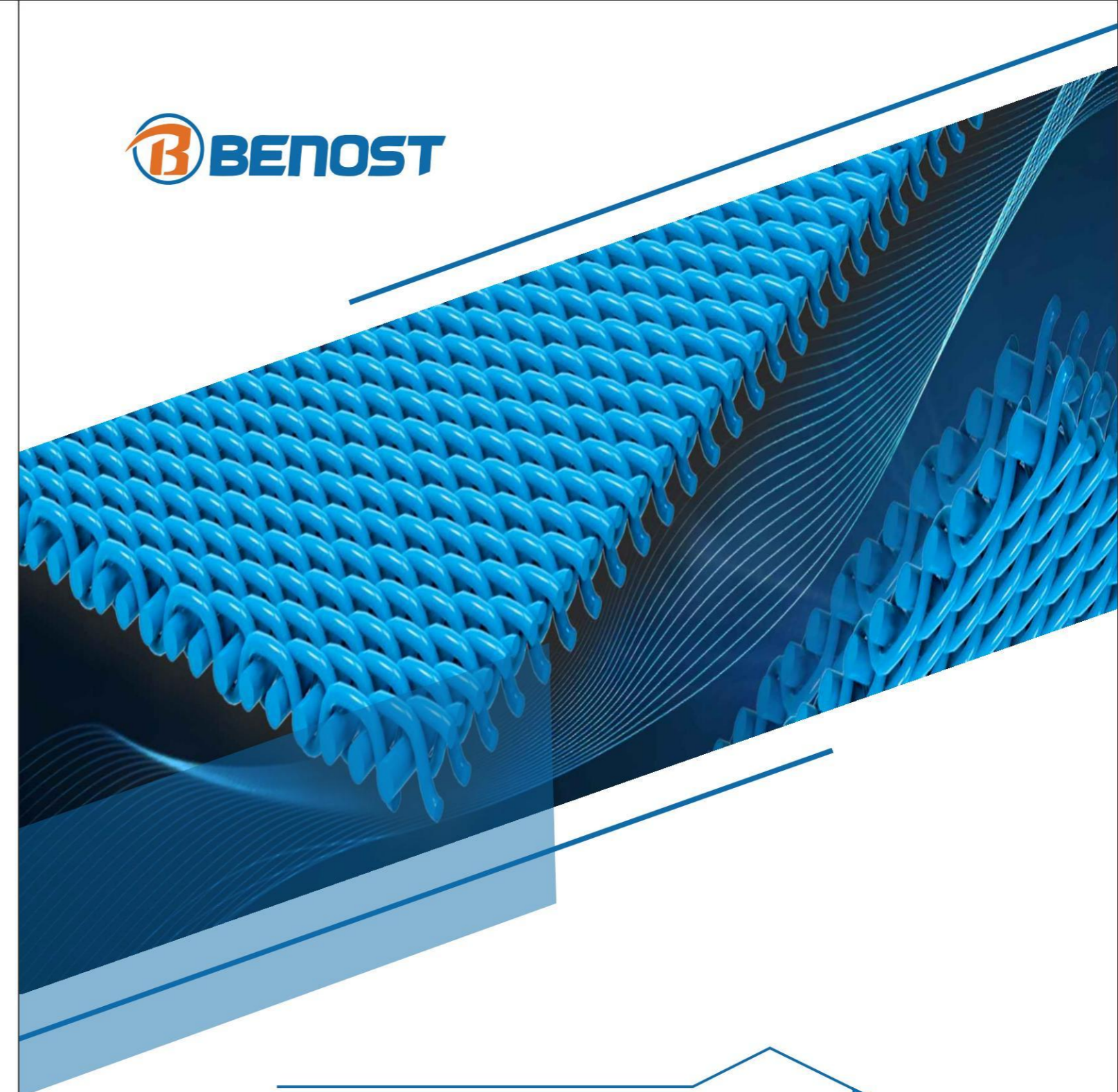
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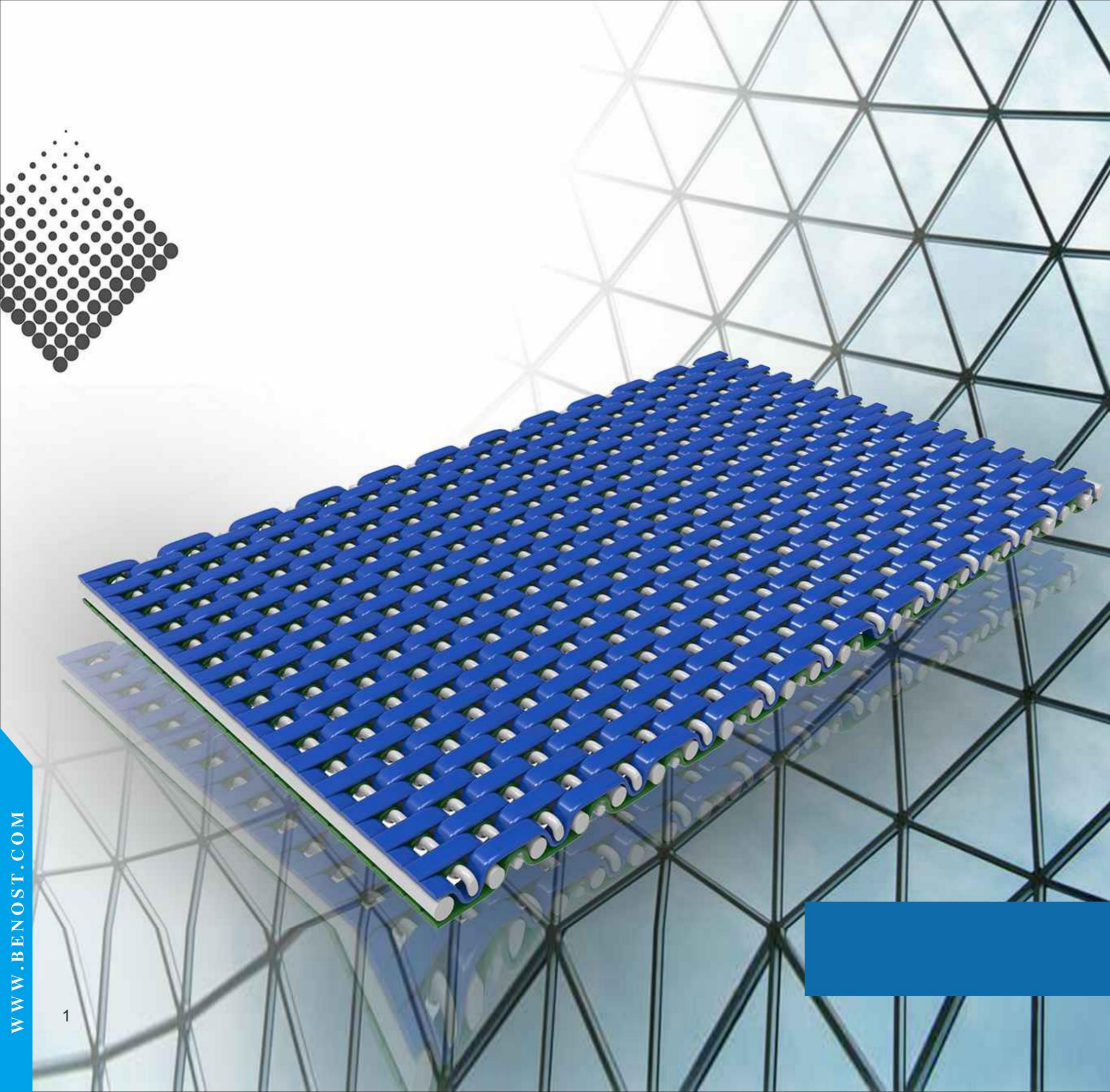
🌐 www.benost.com

📍 Zhengzhou city, Henan province, China



COMPANY'S BROCHURES

HENAN BEYNOST TEXTILE TECHNOLOGY CO., LTD.



# WELCOME

Benost Textile is an intelligent manufacturing enterprise focusing on industrial applications. Many innovative products ensure industrial equipment greater momentum and reduce production load. With 6 school-enterprise joint R&D divisions, we constantly optimize and innovate to create performance products that meet consumer needs, collaborating with customers. Products cover non-woven equipment, paper, food, environmental protection, building materials, medical and aerospace. Consumer-oriented and developing products with better experience is our long term pursuit. The close integration of production and research in the entire industry chain breaks the traditional industrial structure and establishes a leading data and information collaboration platform that can provide customers with a full range of applications and services. Continuous refinement bring customers greater cost reduction and revenue expansion. Outstanding products and technical solutions have brought rich rewards to more than 2,000 corporate customers worldwide, established a good reputation in the industry, and have become a leading technical textile supplier.

Our competitive weapon is to be more focused and effective than our competitors to solve the problems from customers, meet customer requirements, and make customers more attractive.

Main products: Spunbond mesh belts, Spunlace mesh belts, Filter , Sleeve drums, Forming fabrics, Press felts , Dryer fabrics , Food and Industrial mesh belts.

## Company Profile

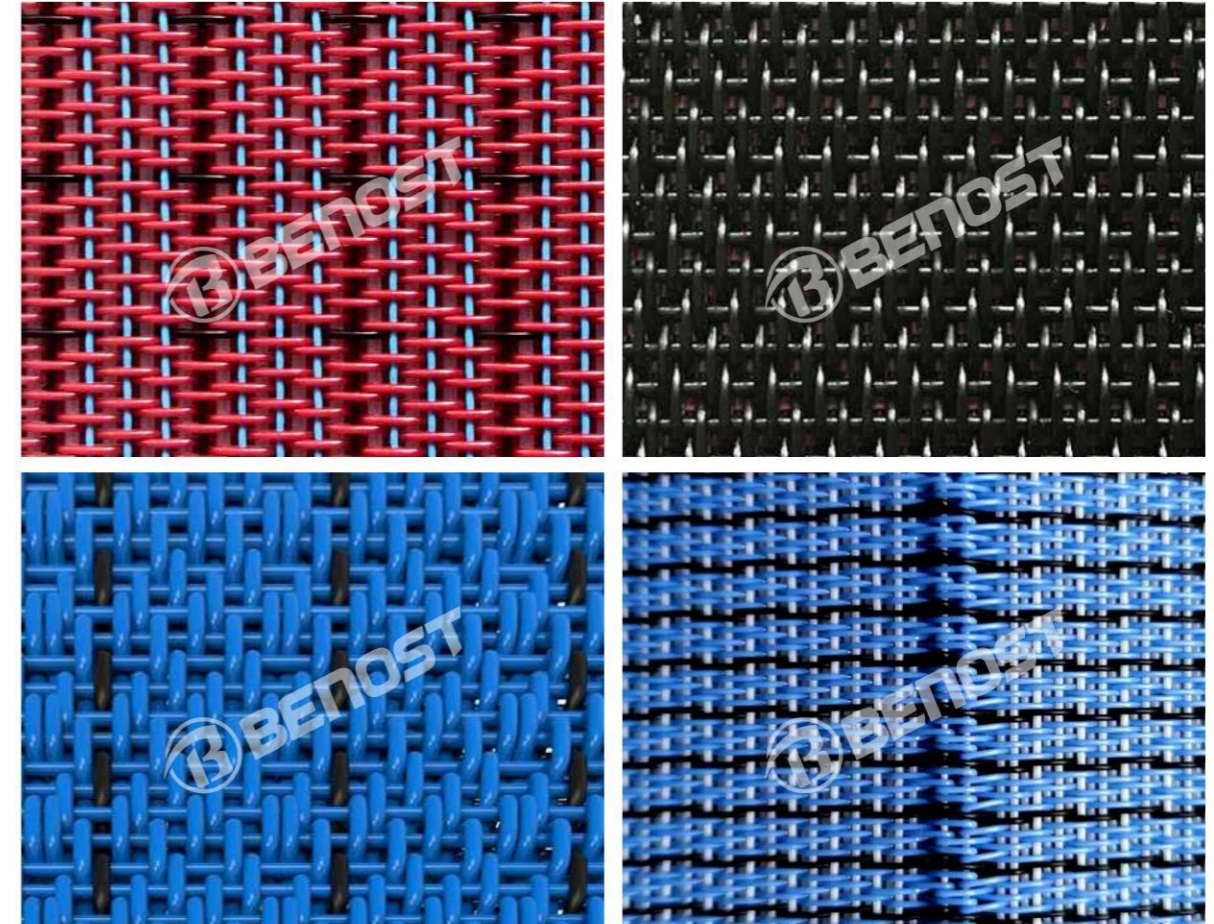
## SS SSS non-woven mesh belt



### PRODUCT FEATURES

- High precision weaving technology, to keep air permeability same, and the nonwoven fabric uniform.
- Smooth belt structure to ensure low weight fabric peel off easily.
- Fluorinated surface treatment, to make the fiber pulp block easy to clean.
- Advanced aerodynamic design, to make it convenient and quick for wind pressure control.
- Oblique line chamfering pattern, softer fabrics formation and convenient pressure control.
- Seam joint structure lock tightly, no jumper wire.

## SMMS mesh belt



### PRODUCT FEATURES

- Excellent electrostatic discharge performance, non-sticky fabric.
- The chamfered structure design makes it easy to clean when dripping hard blocks.
- High dimensional stability, good performance at 1600/min.
- Good aerodynamic structure to reduce the effect of stiffness.
- Good performance, when high lateral rigidity, high longitudinal softness, low tension, saving electric energy.
- The pin joint is consistent with the mesh belt surface, and there is no mesh marks, no matter high or low weight nonwoven fabric.

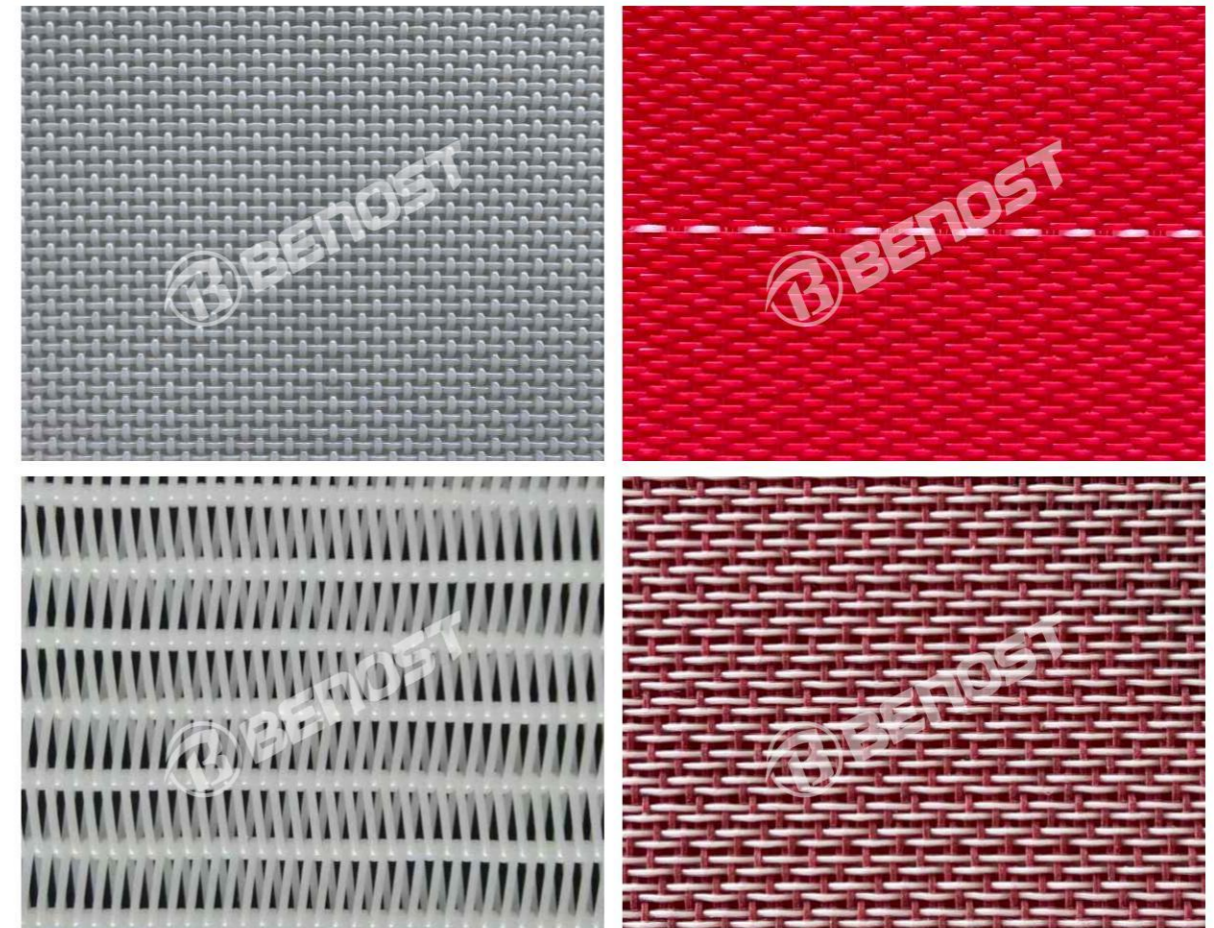
## Spunlace sleeve drum



### PRODUCT FEATURES

- The compound of metal and high-strength plastics can be matched and applied in different conditions.
- High and low water acupuncture pressure and suction pressure cooperate with each other to make the fabric more 3D-dimensional.
- The optimized choice of 3D structure has good application for both wiping and medical treatment.
- The special structure of the plain sleeve drum makes dewatering more effective and the fabric surface more fine and smooth.

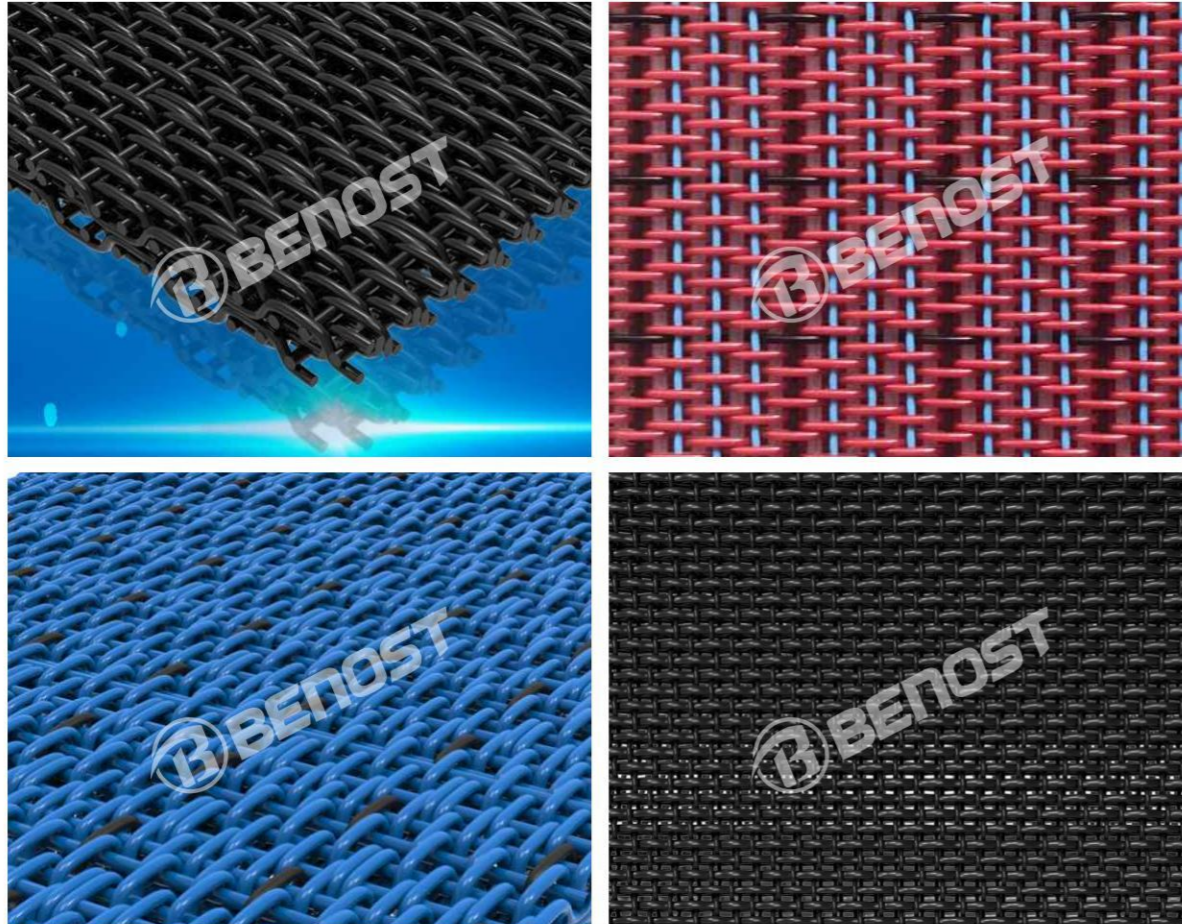
## Meltblown non-woven mesh belt



### PRODUCT FEATURES

- The surface of the mesh belt is treated with silicon and fluorine, which is smoother and easier to clean.
- High-viscous monofilament, easy to handle with smaller roller diameter, no burr.
- Pin seam joint, threading is quick and simple, increasing efficiency of changing the mesh belt.
- Reasonable air permeability design to match different meltblown equipment.

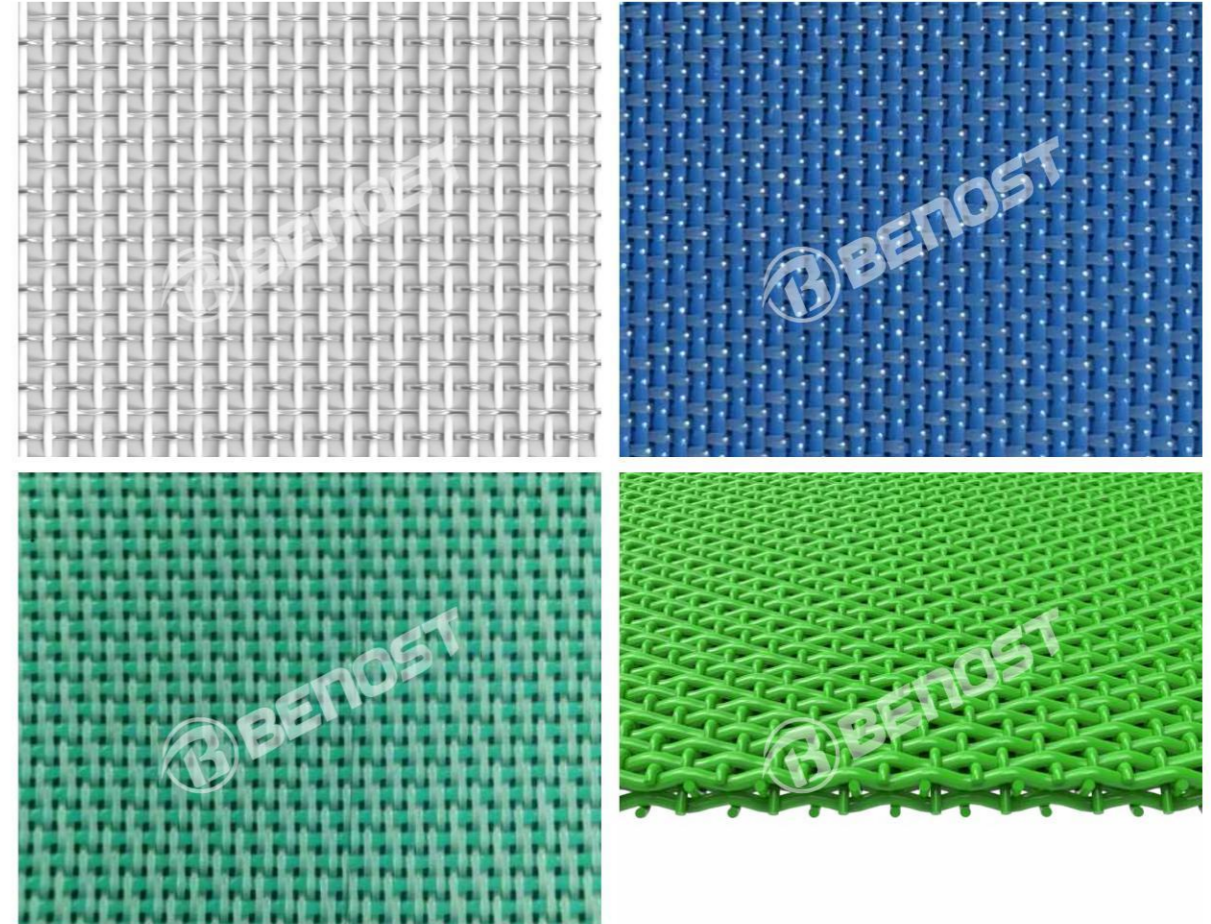
## Antistatic mesh belt



### PRODUCT FEATURES

- The high-speed messy combing and laying of the fiber fabrics is evenly ventilated, and does not affect the strength of the fiber fabrics.
- The superconducting discharge function perfectly responds to the discharge of static electricity under harsh conditions and does not stick to fabrics.
- The application of high fiber support index, lower suction wind pressure, no drafting of the fiber fabrics.
- Reasonable pore design makes the fiber fabrics paving smoother and softer, effectively reducing fiber damage.

## Spunlace mesh belt



### PRODUCT FEATURES

- A variety of process design, matching different application needs, non-stick fabrics.
- High fiber binding, good strength, high support under high water pressure.
- High dimensional stability, impact resistance, easy stripping.
- The application of three-dimensional geometric structure, the rebound is delicate, the fiber is well held.

## Hot air mesh belt



### PRODUCT FEATURES

- The surface of mesh belt is fluorinated, easy to clean and resistant to chemical corrosion.
- Under continuous 145° high temperature, the performance of the mesh belt is stable, without shrinkage and deformation.
- Flat silk has high wear resistance and fatigue resistance, suitable for high speed.
- Large breathable design, good penetration of hot air, the fabrics is soft.

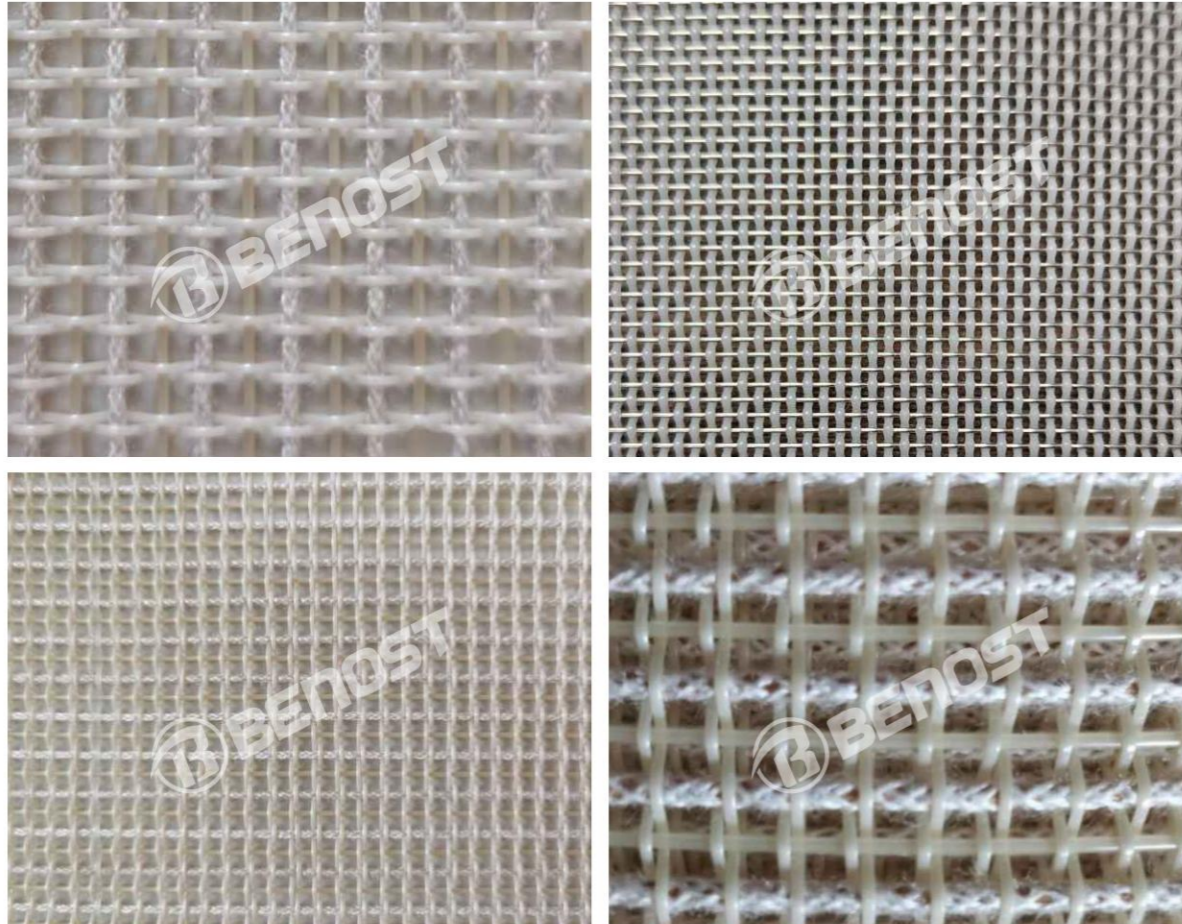
## Stainless steel mesh belt



### PRODUCT FEATURES

- Made of 316L stainless steel wire arrow shaft, the wire is not knotted.
- Fiber laser welding, uniform welding spot, high strength, no wire hanging.
- The high-mesh, 0.08 wire diameter welding process can form and dry extremely low-weight paper without welding marks.
- Reasonable corner design, perfect fit for drying and conveying.

## vertical cotton spray-bonded cotton mesh belt



### PRODUCT FEATURES

- Strong and high magnetic adsorption, super thermal wire, providing better.
- High drying efficiency of mesh belt.
- Resilience, good compression recovery, high fiber fabrics verticality, large load.
- Good adaptability to high temperature, uniform weaving, consistent shape and shape of cotton fabrics.

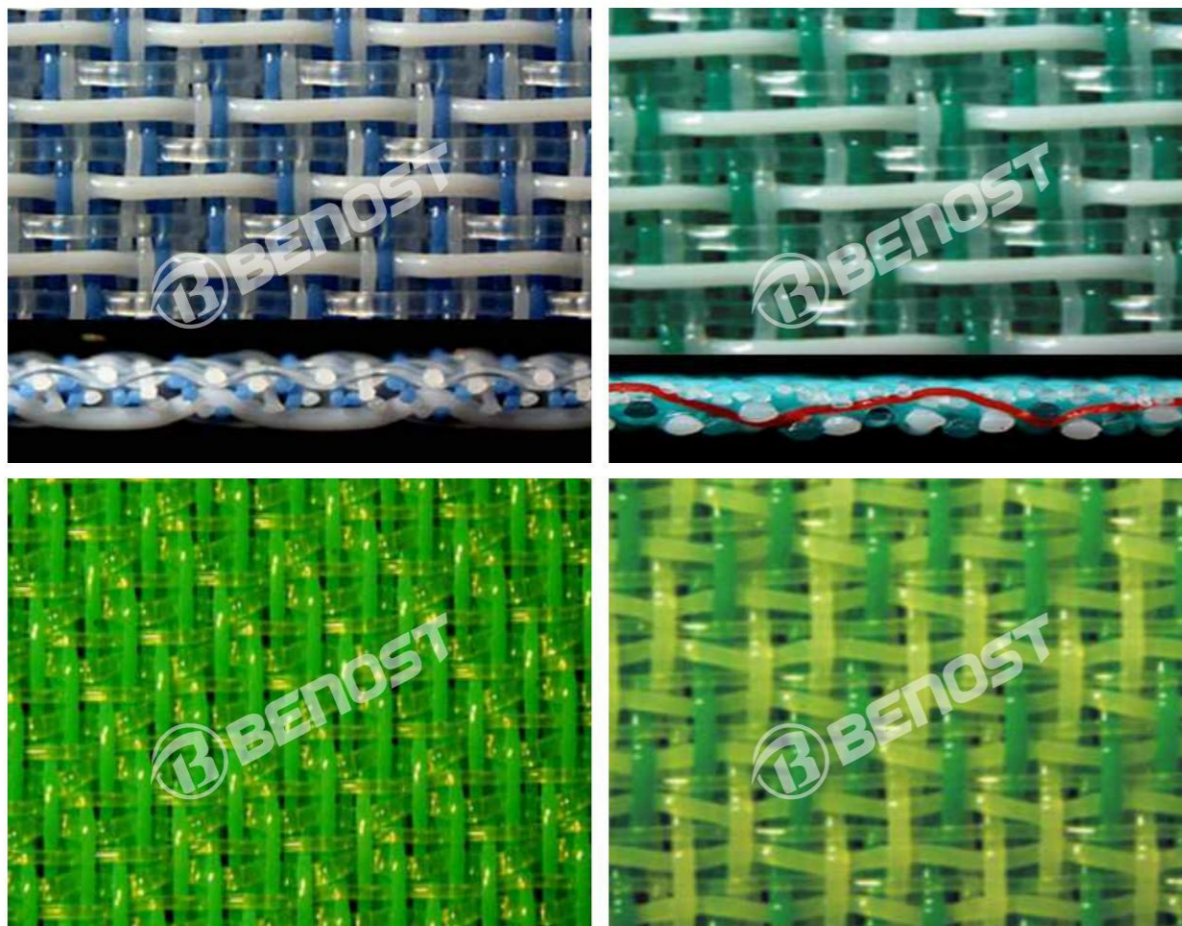
## Double layer forming fabrics



### PRODUCT FEATURES

- The 8-shed double-layer forming wire includes a group of longitudinal fiber healds and two sets of transverse fiber healds, which allows the small fibers to stay on the top layer, and the use of thicker fiber weaving at the bottom helps to obtain better sheet forming characteristics, this double-layer design will gain more stability in size than a single-layered mesh design.
- The 16-shed double-layer forming mesh creates a new concept that can increase the life of the fabrics cloth without affecting the quality of the paper, after the life of the bottom material of the fabrics is increased, the life of the entire fabrics cloth is usually improved, usually 16-shed forming fabrics are used for the production of papermachines and coarse kraft paper machines, double mesh screens can be from 60/cm to 32/cm.

## 2.5 Layers forming fabrics



### PRODUCT FEATURES

- The 8-shed 2.5 layer forming fabric is the most common 2.5 layer polyester forming mesh. its weaving effect greatly increases the fiber support index due to the addition.
  - of a fine weave at the top. The ratio of the top and bottom wefts is 2:1.
- The 8-shed above and 16-shed below weaving technology, its performance greatly improves the surface smoothness and higher paper support effect.

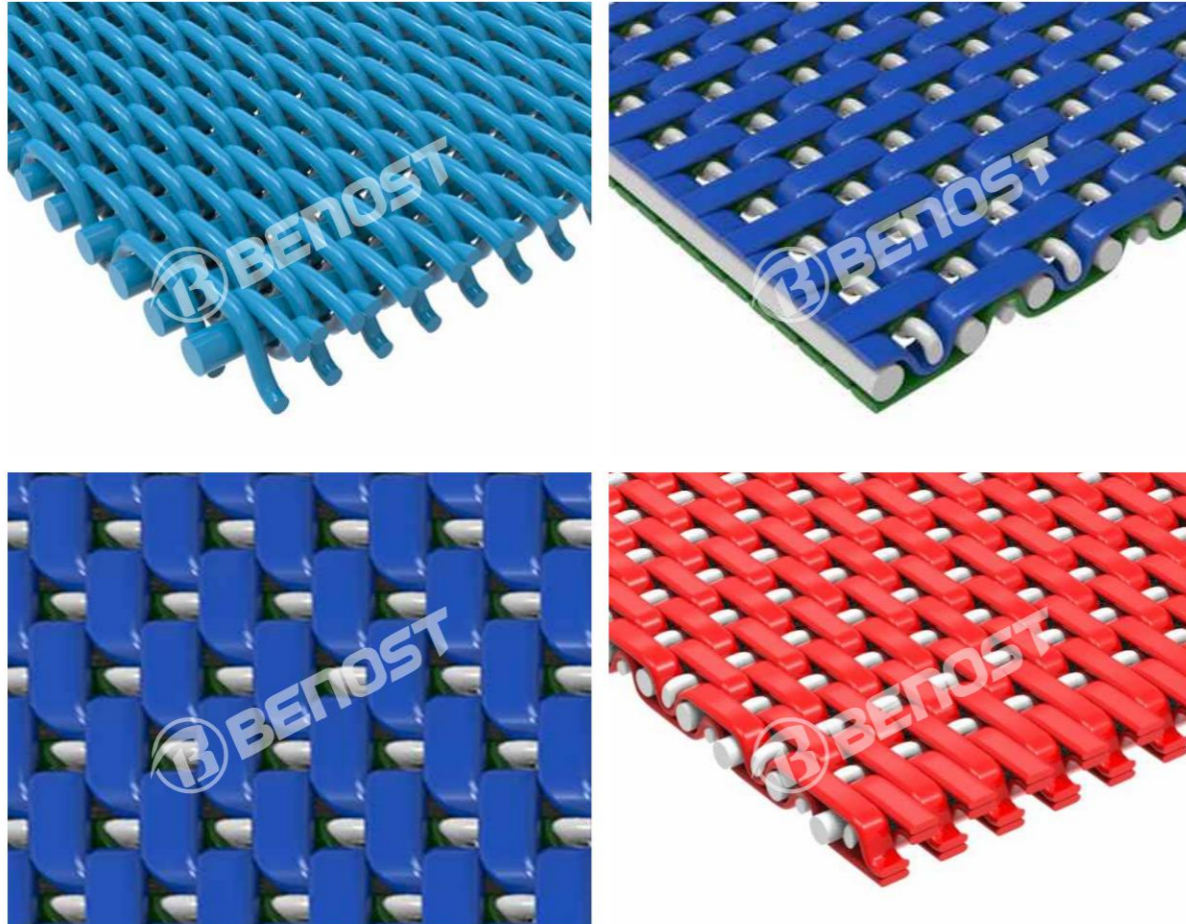
## Triple layers forming fabrics



### PRODUCT FEATURES

- An important advantage of our three layer forming fabrics is low warp density, another advantage of this types: the weft wire of the wear surface spans a lot, that could gives the polyester forming fabrics a long life potential, the weft span would be 8 warp rather than common 6 or 5 warp, choosing the best polyester forming mesh type will save many costs in terms of clean operation, additive use, and vacuum, water, and electricity consumption. SSB forming fabrics are the top side is 1x1 plain weave with excellent formation and increase retention, the bottom side is 6-shed weave excellent wear potential, it has good drainage.

## Woven Dryer Fabrics



### PRODUCT FEATURES

- Woven dryer fabrics use flat wire, increasing the contact area between the silk surface and paper, promoting heat transfer between the cylinder and paper. Flat wire dry fabric is thin, allowing water vapor to pass through the mesh, reducing condensation and improving drying efficiency. Flat wire dry fabric surface is smooth, making the flat screen and circular screen lighter compared to the fabric mark. Due to the anti-hydrolysis monofilament, the service life of the dry fabric has been extended effectively, and the economic benefit is greatly improved.

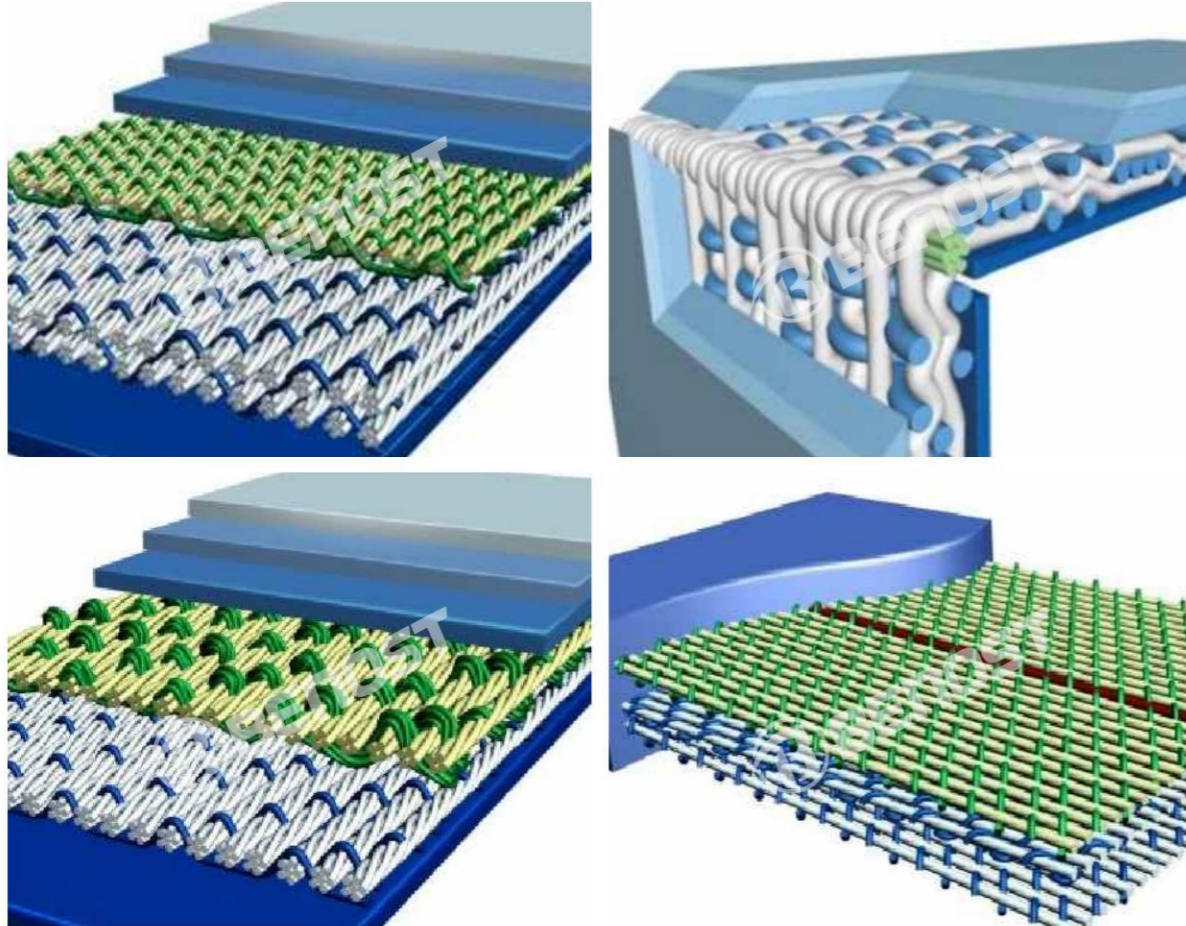
## Spiral Dryer Fabrics



### PRODUCT FEATURES

- Dryer fabric is spiral type, its special design is entirely designed to improve drying efficiency. With circular and flat water resistance woven technology, inlet air can be effectively controlled so that it can meet the dry parts at all levels.
- Mainly used in the dry nozzle area of the paper machine, easy to operate, the appropriate thickness improves the life efficiency of good drying efficiency. Air permeability range: 700-1000 CFM (widely used in the production of glossy kraft paper and imitation paper).

## ✓ paper felts



### PRODUCT FEATURES

- Design: authority and considerate Custom-Made design.
- Feature: fast start-up, stable running, excellent smoothness, no fiber shedding.
- Stable space for felt containing water.
- Consistent and stable felt dewatering capacity.
- Enlarging felt serving lifetime.
- High ratio of quality/price, decreasing consumption for each ton paper.

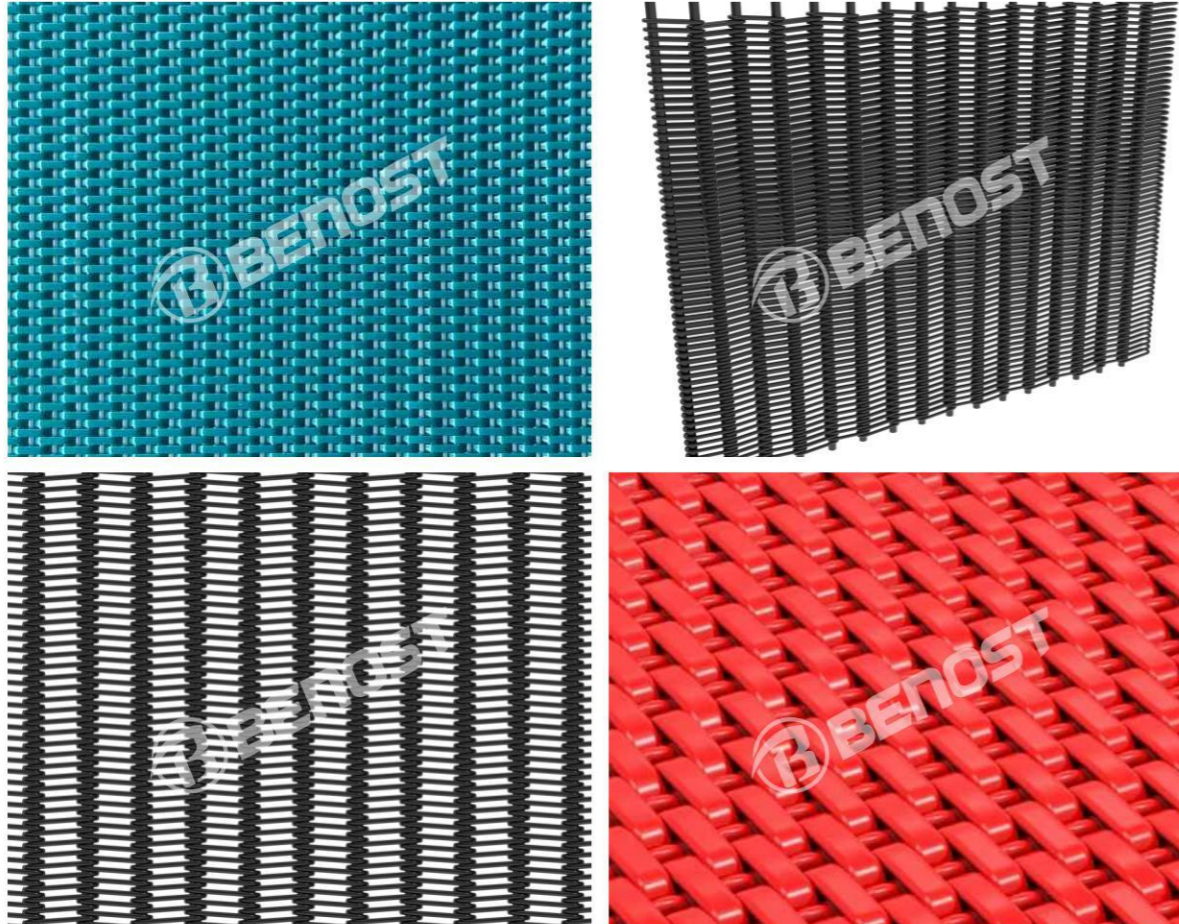
## ✓ Filter equipment



### PRODUCT FEATURES

- It is suitable for various filter media, with high filtration precision, large flow rate and good flushing effect. For high pressure difference and high temperature environment, it has strong dirt holding capacity, can be cleaned and reused repeatedly, and has a long service life. Widely used in melt processing, food, beverage, electronics, chemical industry, water treatment, etc.

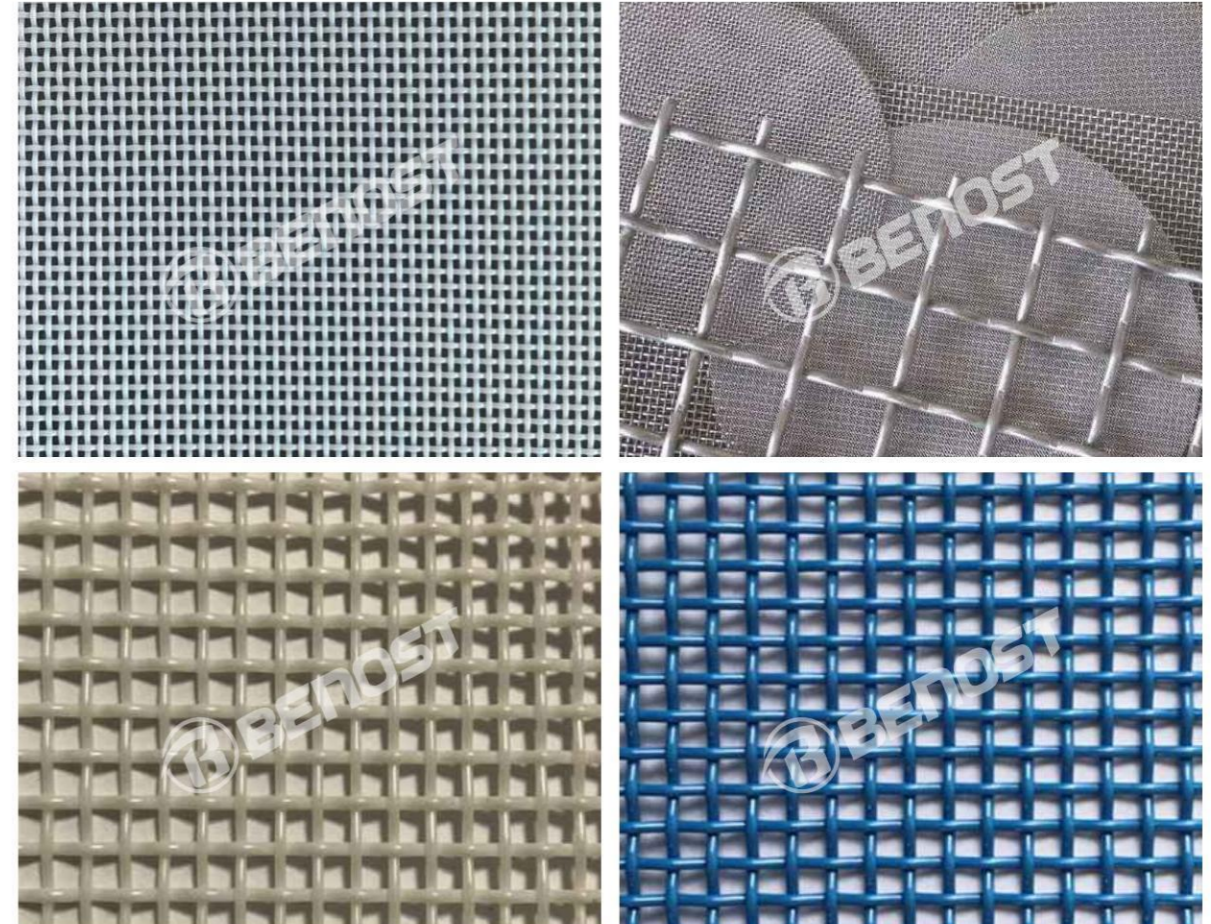
## Printer mesh belt



### PRODUCT FEATURES

- Precise Size Control, the deviation of the perimeter on both sides does not exceed  $\pm 0.5\text{mm}$ .
- No deviation in the diagonal.
- The surface of the mesh belt is smooth without bulges.
- High wear-resistant monofilament, smooth edge, good toughness of rubber edge and no loose .
- Low coefficient(s) of friction design, no fabrics marks.

## Food industry conveyor mesh belt



### PRODUCT FEATURES

- In the food production process, the food industry conveyor mesh belt ensures high thermal stability and process reliability when used in a variety of applications such as baking, cooking , drying , cooling , freezing or cleaning. To this end, we offer a variety of products -- mesh belts made of plastic, and various metal mesh belts made of stainless steel. The optimal design of our mesh belt is the basis of these processes, fabric structures and materials are suitable to these processes.

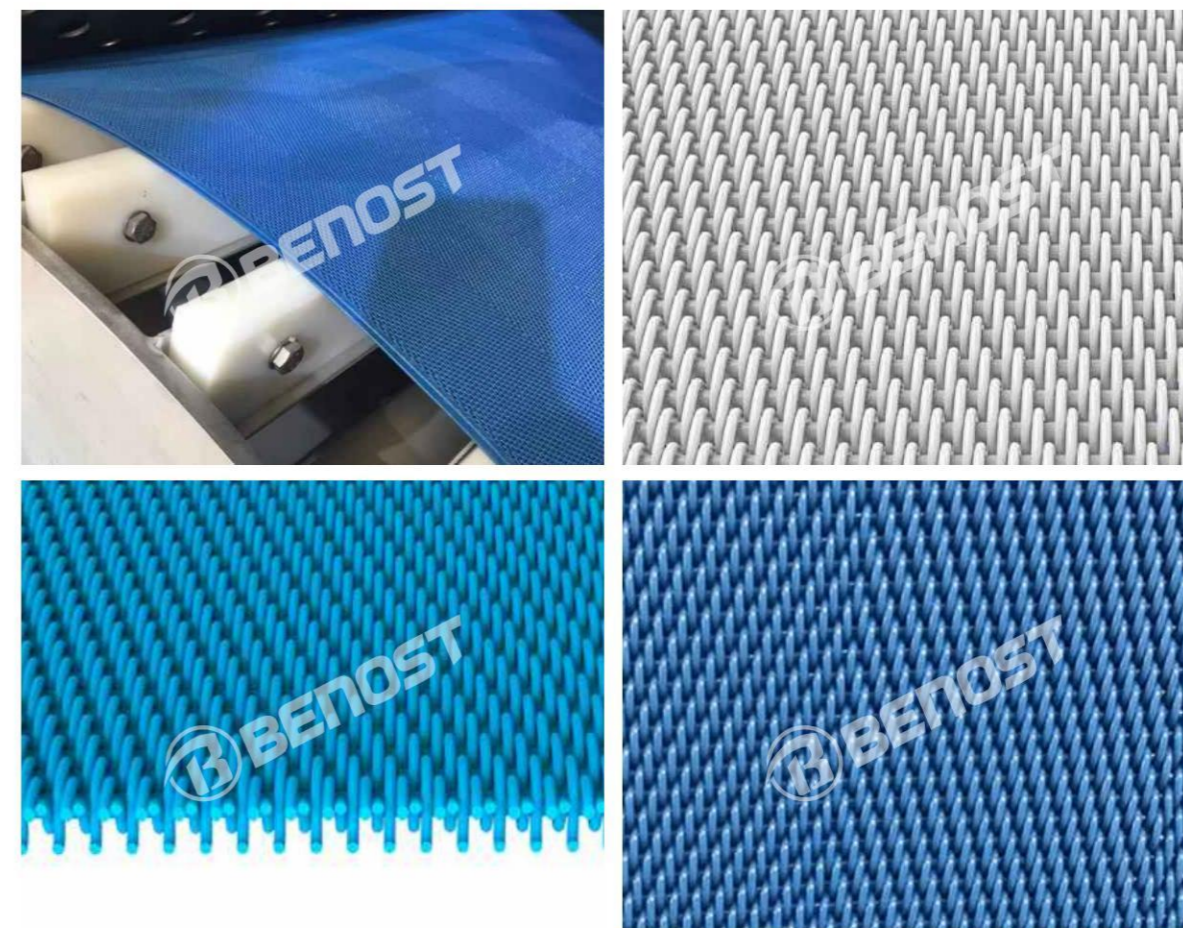
## ✓ Glass fiber felt bulkhead fabrics



### PRODUCT FEATURES

- Fiberglass mats and AGM separators are uniform and flexible materials in the wet molding process. Forming fabric has designed a series of mesh belts with strong fiber support and high acid resistance properties according to different technical requirements. The special weaving method enables the separator to have a high porosity and a strong liquid-absorbing ability. The plain-weave design of the sizing site mesh belt provides good strength, good compression resistance and excellent elasticity. The corrosion of strong chemicals in the pulping process of AGM separators can be perfectly overcome by our mesh belt.

## ✓ Filter belts



### PRODUCT FEATURES

- Products are widely used in sludge dewatering in municipal sewage plants, paper mills, printing and dyeing plants, chemical plants, electroplating plants, pharmaceutical plants, food plants, ceramic plants, mining and other industries. In addition to the pressing pressure, the factors that determine the performance of the belt press dewatering zone include effective pressing time and filter belt specifications. In order to prolong the effective dewatering time, some press rolls with the same diameter are sometimes used for dewatering in the press roll arrangement. The mesh size of the filter belt has a significant effect on the dehydration effect. Generally, the mesh of the lower filter belt is larger than that of the upper filter belt, which is good for gravity dehydration. The design of the pressing area should comprehensively consider the diameter and layout of the rollers, the type and specification of the filter belt, the belt speed, the wrap angle and the tension, etc., so as to achieve a good dewatering effect.