

Quality First, Service Supreme



Shanghai Puteken  
Transmission System Co., Ltd.



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# THE PRODUCT BROCHURE

# COMPANY PROFILE

Puteken is an innovative enterprise specializing in the research and development, production and sales of industrial conveyor belts and transmission belts. Since its establishment, Puteken has been committed to providing global customers with super performance, durable and versatile belts and belting solutions, which are widely used in food processing, logistics, agriculture, packing and printing and many other fields.

With rich industry experience and continuous technological innovation, Puteken has established a complete product system, covering multiple categories such as PVC conveyor belts, PU conveyor belts, sponge conveyor belts, modular mesh belts, toothed belts and positive drive belts and so on. Puteken also provides customized belting solutions based on customer specific needs.

Puteken adheres to the business philosophy of "Quality First, Service Supreme", insists on using high-quality raw materials, applying advanced production equipment and establishing a strict quality management system to ensure that every belt product is stable, reliable and durable. Puteken's belts not only sell well in the domestic market but are also exported to many countries abroad such as Europe, America, Southeast Asia and the Middle East, earning a good market reputation.

# PUTEKEN

# PRODUCT INTRODUCTION

## PU Conveyor Belt

PU conveyor belt is made from thermoplastic polyurethane elastomer with fabric. It has characteristics of oil resistance, chemical resistance and meets standard of FDA. Some polyurethane conveyor belt is engineered with anti-static feature, minimizing the risk of static buildup and discharge in crucial applications. It is widely used in food, medical and hygiene industries.



oil resistance



chemical resistance



Brand	Puteken
Type	Flat PU Conveyor Belt
Material	Polyurethane
Color	Green/white/blue/transparent
Thickness	1-5mm
Specification	Length and width customized
Hardness	85-90 shore A
Fabrication	Holes, V-guide, sidewall & baffles
Working temperature	-20°C - 80°C

## PVC Conveyor Belt

PVC conveyor belt is made from polyvinyl chloride and fabric material. It has features of cost-effective and wear resistance. PVC conveyor belt has various surface patterns, likely diamond, golf, dotted, grass and so on. It is preferred by material handling, logistics and agriculture industries.



Brand	Puteken
Material	Polyvinylchloride(PVC)+ Polyester Fabric
Color	Green/white/black/blue
Thickness	2-7mm
Joint Method	Open/Finger Joint/Alligator Lace/Clipper Lace
Hardness	85-90 shore A
Fabrication	Perforations, V-guide, sidewall & cleats
Application	Logistics, agriculture, packing industries
Working temperature	-10°C-80°C

## Sponge Conveyor Belt

Sponge conveyor belt is made of sponge rubber with PVC or PU fabric. The belt surface coated sponge can absorb water and provides a soft surface for delicate items, while the non-porous backing prevents absorbed liquids from seeping through the belt. It is ideal for labelling and packing industry.



Brand	Puteken
Material	Sponge rubber+ PVC/PU fabric
Color	Blue/black/white
Thickness	2-20mm
Specification	Customized
Characteristics	Soft, high-density
Processing	Guide, coating rubber, edge covered
Working Temperature	-20°C-80°C
Application	Labelling system, packing industry

## SS/PBO/Kevlar Blended Conveyor Belt

SS/PBO/Kevlar blended conveyor belt is woven by Kevlar fiber, stainless steel fiber and some other high temperature composite fiber. The unique composition and structure ensure exceptional durability and resistance to extremely high temperatures, all while preventing any marking, thermal shock or glazing. SS/PBO/Kevlar blended conveyor belt is widely used for conveying hot items, such as stemware, washing machine window or welded casting parts from the press molds in the forming section to the entrance of the annealing Lehr.



### Product Features:



#### Heat Resistance

Stainless steel fiber and Kevlar fiber are both high temperature resistant. Its instant temperature can be up to 600 degree Celsius.



#### Durable

Kevlar belt is highly resistant to wear and tear, resulting a longer lifespan compared to belt made from other materials.



#### Puncture & Tear Resistance

Kevlar and stainless steel fiber provide excellent resistance to punctures and tears, which is crucial in applications where the belt might come into contact with sharp or abrasive materials.

## Homogeneous Belt

Homogeneous belt is a type of conveyor belt extruded from a single, continuous piece of material, usually thermoplastic urethane, so it carries no ply or edge fraying, which eliminates the risk of product contamination. Homogeneous belt with zero elongation require less frequent adjustments because they don't slacken or elongate over time, which reduces downtime and the need for retensioning of the conveyor system. Homogeneous belt is widely used for meat and poultry, fish and seafood, bakery and confectionery industries.



Parameters \ Model	PF20	PF30	PT25	PT50	PAT40
Brand	Puteken	Puteken	Puteken	Puteken	Puteken
Material	TPU	TPU	TPU	TPU	TPU
Color	White/light blue/dark blue	White/light blue/dark blue	White/light blue/dark blue	Light blue/dark blue	Light blue/dark blue
Surface Structure	Smooth	Smooth	Smooth	Smooth	Smooth
Bottom Structure	Flat	Flat	T profile teeth	T profile teeth	AT profile teeth
Pitch (mm)	N/A	N/A	25	50	40
Reinforced Cords	Aramid fiber	Aramid fiber	Aramid fiber	Aramid fiber	Aramid fiber
Hardness (shore A)	95	95	95	95	95
Total Thickness (mm)	2	3	6	7	10
Teeth Height (mm)	N/A	N/A	3.5	4	6.4
1% Tensile Strength (N/mm)	20	20	20	20	20
Minimum Pulley Diameter (mm)	35	50	46	93	120
Working Temperature (°C)	-20-90	-20-90	-20-90	-20-90	-20-90

## Polycord Round Belt

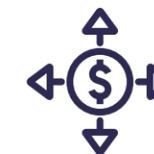
Polycord round belt is extruded from wear resistant polyurethane, offers flexibility, durability and resistance to abrasion and chemicals. Its diameter ranges from 2mm to 20mm and it can be open end and also joint as O-ring drive round belt. Polyurethane round belt we have green color with rough surface, orange color with smooth surface and customized colors, like black with anti-static and transparent color. Polycord belt is typically round in cross-section, is ideal applications for where a flat belt might slip or where small pulleys are required.



### Product Features:



**Abundant Stock for Fast Delivery**



**Factory Price**



**Wide Range of Sizes and Colors**

## Power Twist Link V-belt

Power twist link v-belt is made of highly polyurethane and polyester composites, is innovative power transmission belt designed to provide flexibility and durability while maintaining high power transmission capabilities. Power twist link v-belt has features of easy installation and adjustment and reduced vibration.



### Applications:



#### Machine Tools

Power twist V-belt is widely used on lathes, drill, grinders and milling machines. It can reduce chatter and offer better control.



#### Ventilation Systems

Link V-belt has features of high flexibility and quick change-out without needing tools, which is ideal for industrial fans, blowers and exhaust systems, which is hard to reach rooftop.



#### Woodworking Industry

On table saws, band saws and planers, power twist drive V-belt reduces vibration and “rumble” —leading to cleaner cuts and quieter operation.



#### Heating Ventilation Air Conditioning System

In air handlers, cooling towers & compressors, some areas is difficult to reach to replace new belt. Power twist link V-belt overcome this hardship, make it very easy to replace new one, especially in large buildings or plants.

## Timing Belt

Timing belt, also called synchronous belt or toothed belt, transfers power using a toothed pattern that interlocks with grooves on the pulley. This design ensures the belt stays aligned with the pulley, providing accurate positioning without slipping. Classified by material, mainly have PU and rubber timing belt; by structure, there is single sided and double sided toothed; by joint method, there are ope-end, welded and molded flex; by tooth shape, there are trapezoidal, full-circular, semi-circular and parabolic tooth.

### Standard Belt Model

#### Trapezoidal Tooth Shape:

T5, T10, T20, AT5, AT10, AT20, L, XL, H, XH

#### Full-circular Tooth Shape:

HTD3M, HTD5M, HTD8M, HTD14M

#### Semi-circular Tooth Shape:

STD3M, STD5M, STD8M, STD14M

#### Parabolic Tooth Shape:

RPP5M, RPP8M, RPPM14M

#### Special Tooth:

ATN10, ATK10K13, SFAT10



## Silicone Timing Belt

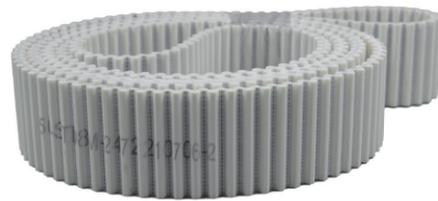
Silicone timing belt is one of our special timing belt, it is PU or rubber base toothed belt with seamless silicone coating. The silicone coating has features of wear resistance, high temperature resistance and high friction. It is widely used in hygiene industry for diaper and napkin production, packing industry and photovoltaic industry.

Brand	Puteken
Coating	Silicone
Color	White/blue/gray/yellow/green/black
Thickness	1.5-10mm
Hardness	40/60 shore A
Features	Wear resistance/non-sticky/heat resistance
Working Temperature	-20°C-120°C
Application	Hygiene, packing industry



## Double Sided Timing Belt

Double sided timing belt is a type of synchronous belt with teeth on both the inside and outside surfaces, allowing it to transmit power from both sides. It is available in both rubber and polyurethane material with reinforced cores. It is used for multi-axis transmission and double sided drive. It has two types, one is symmetrical (DA): teeth on both sides are aligned directly opposite each other; another is staggered (DB): teeth on each side are staggered to improve flexibility and reduce interference.



## Bridle Tension Belt for Slitting Machine

Bridle tension belt is a component used in slitting machines, which are devices designed to cut large rolls of metal material into narrower strips. It is made of cutting resistant polyurethane and polyester.



### Dry Type Slitting Machine Belt

The belt surface is wear resistant and cutting resistant PU, which protects the surface of the belt is not easy to be scratched and extends the belt life service. The intermediate uses high elastic fiber, which ensuring the belt provides a balanced tension to the steel plate and minimizes the relative movement between the belt and the metal plate. The bottom layer adopts high-strength polyester filament, which has high tensile strength and good toughness and meet the needs of high-speed operation. It is often used for slitting dry steel plates.

### Oil Type Slitting Machine Belt

The belt surface PU has a pattern, which is wear resistant and cutting resistant and has good friction. It can protect the belt surface from scratching, extend the service life of the belt. There is a hole in the middle surface to permeate the oil. It is widely used for slitting oil steel plate.

### Leather Type Slitting Machine Belt

The belt surface leather has features of high wear resistance, and the fine leather can prevent the slightest scratch on the surface of the steel plate. And resistant to high temperature and wear.

## Seamless Silicone Belt

Seamless silicone belt is made from truly-endless PBO fabric conveyor belt coated with no-seamed silicone surface, designed for bonding and folding machine in garment industry. The belt surface silicone and back side PBO fabric are both high temperature resistant, which is essential for bonding process to adhere materials together. And the silicone also has feature of non-stick.

Brand	Puteken
Type	Flat seamless silicone belt
Material	Silicone + PBO Fabric
Color	White/brown
Thickness	1.3mm
Length	310/320/340/360/370mm
Maximum width	100mm
Feature	Heat resistant & non-sticky
Application	Garment industry



## Cutting Underlay Felt

Cutting underlay felt, we also call it Novbelt, famous for its anti-cut characteristics, for it is mainly designed to work with all knife cutting tables & systems. Novbelt is made by non-woven polyester with impregnated rubber, the material is engineered to enable the cutting table's full vacuum power to securely hold materials in place, while also offering the durability required to cut through tough industrial materials. And the belt surface has good softness, which is ideal to handle the fragile products. It is used as high density underlays for static cutting table and highly conductive cutting belt for conveyor system.

### Features



Anti-cut



Good Air Permeability



High Anti-static



Good Softness



## Feeder Belt

Feeding belt, a specific type of conveyor belt used to transport materials in a controlled and precise manner. Feeder belt is designed to regulate the flow of materials into a process, ensuring consistent and even distribution. It is commonly used in various industries, including manufacturing, food processing, paper and packaging field.

### Features

**Versatile:** Suitable for a wide range of applications and materials, offering flexibility in different industrial settings.

#### Smooth Operation

**Consistency:** Ensures a steady and predictable flow of materials, which is crucial for maintaining product quality and process efficiency.

#### Low Maintenance



### Applications



#### Packing Industry

Transport cartons and bags for filling and sealing and guarantee consistent feeding of products for accurate labeling.



#### Printing Industry

Feed papers into printing machine at a precise rate.



#### Electronics

Move components and parts in electronic assembly, ensuring components fed into automated assembly lines for efficient production.

## Coil Wrapper Belt

Coil wrapper belt, also called belt wrapper belt, is a type of special belt designed for wrapping coils of metal material, mainly used in industries like steel manufacturing, aluminium sheet processing or copper production. It has features of super cutting resistance, high tensile strength and heavy-duty application. We mainly have truly-endless solid woven PU coil wrapper belt for cold mill and seamless Kevlar coil wrapper belt for hot mill.



### Features



#### Reduced Splice Failure Risk

The belt is truly-endless structure, the whole belt has no joint where is easy to break down.



#### High Tensile Strength

Coil wrapper belt is made of thermo-plastic urethane or Kevlar fiber, which has excellent high tensile strength for heavy-duty application.



#### Superior Cutting Resistance

The Kevlar fiber is very cutting resistant when it touches with metal sheet.