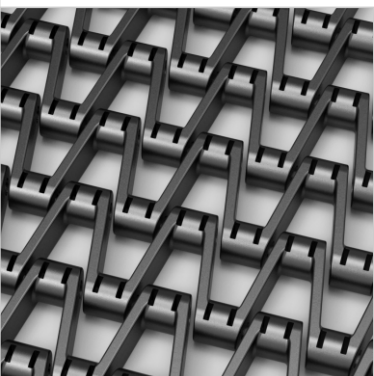


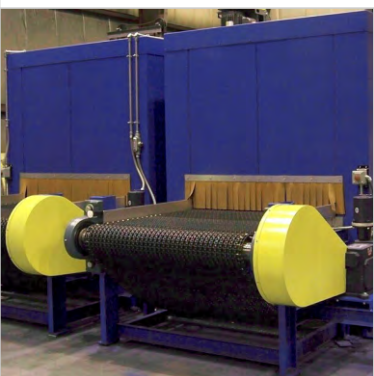
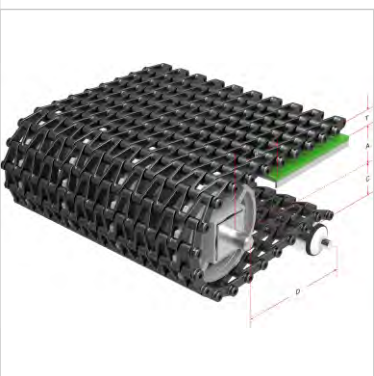


# HONG'S BELT<sup>®</sup>

Professional Manufacturer of Modular Belt



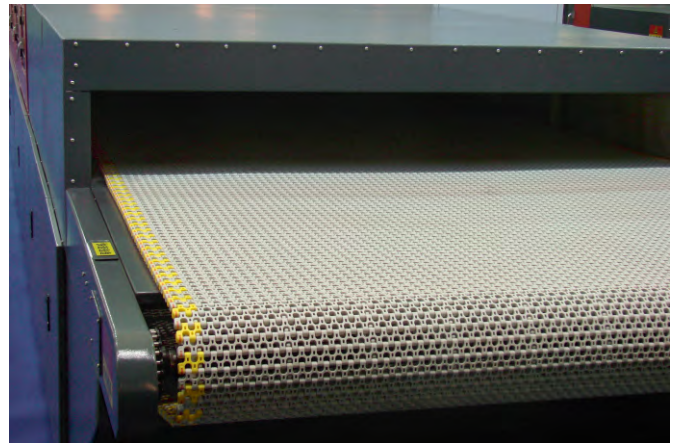
Product: Innovative product of heat-resistant conveyor mesh belt



## Innovative product of heat-resistant conveyor mesh belt

Do you still worry about sudden fires of Teflon mesh belt?  
Do you still worry about sudden failure of Teflon mesh belt?  
Do you still worry about difficult replacement of Teflon mesh belt?  
Do you still worry about mal-functional deviation rectifying device of Teflon mesh belt?  
Do you still worry about slow ordering of special mesh belt?  
Do you still worry about easy deformation of Teflon mesh belt and easy cracking of joints?  
Do you still worry about non-overloading of Teflon mesh belt?  
Do you still worry about ponderous installation of wire mesh and complicated maintenance?  
Do you still worry about product missing arising from too big cracks of rollers?

Now, an innovative conveyor mesh belt has been launched, which can completely eliminate all of the above troubles. Let's thoroughly say goodbye to Teflon mesh belt.



HONGSBELT® has developed a new conveyor belt product for high temperature tunnel furnace: modular heat-resistant conveyor mesh belt. The performance is as follows: Sprocket-driven, flame retardant product; speed: 120m/min; ventilation opening rate: 60%; UV resistant; heat-resistant temperature: 260°C.

It is suitable to replace various traditional conveyor belt products, including Teflon mesh belt, wire mesh belt, roller conveyor line, silica gel conveyor belt, etc. Therefore, one-off substantial leap can be obtained for production efficiency, and this is the power of innovation!

Application sector: UV curing machine, screen printing dryer, microwave drying, printing dryer, heat shrink tunnel furnace, UV glazing machine, high temperature drying tunnel furnace, screen printer drying, and yarn finish drying line, and other operating environment requiring high-resistant drying.

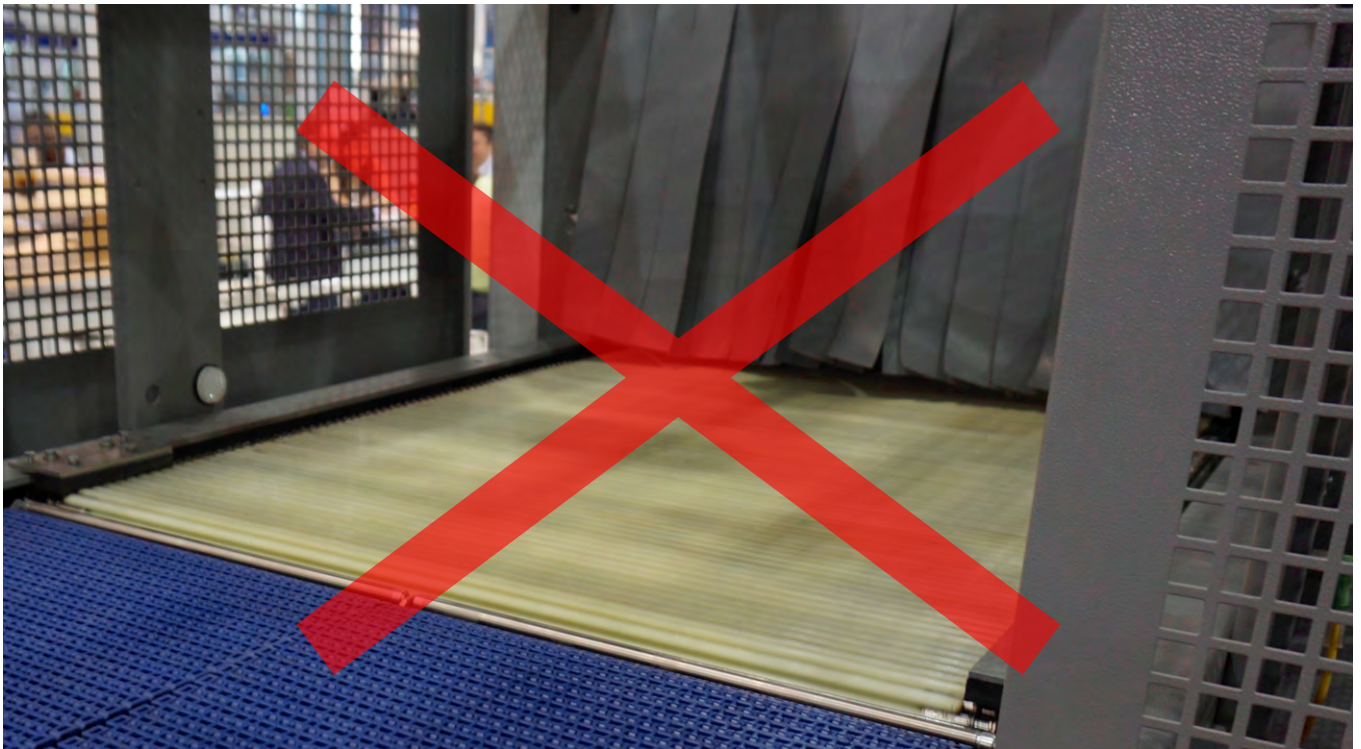
Please accept our suggestions and immediately pick up telephone to contact our professional service technicians for immediate replacement of this new heat-resistant conveyor mesh belt. Thank you for your recognition of the innovation!



## Case contrast

### First of all, let's look at the troubles of traditional heat-resistant mesh belt:

1. Easy deflection, easy reverse, cracking of packing edge, easy damage of joints, and avulsion of joints.
2. Installation of mesh belt is troublesome and time consuming.
3. Tension system and deviation correcting device cannot locate precisely, prone to skidding and folding.
4. It is almost impossible to be repaired. It needs to order new belts after damages each time, which may affect the production and also reduce the production efficiency.
5. The damages of mesh belt may cause high after-sales maintenance costs (especially the sales of equipments to non-local plants).
6. For each after-sales service, air ticket, hotel and transport fees alone nearly account for most of the profits.
7. Due to unstable mesh belt quality, fracture emergencies may occur at any time, which may seriously affect device brand image.
8. According to the experiences, traditional mesh belts often cause fires.





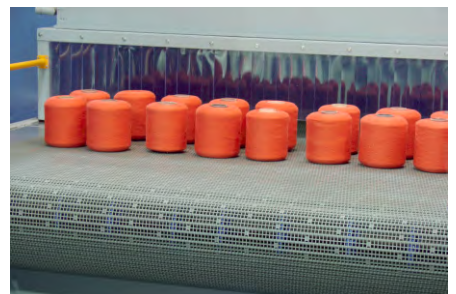
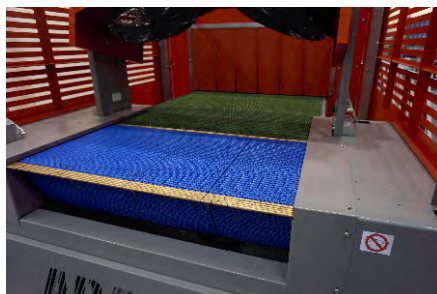
## Advantages of innovative heat-resistant conveyor mesh belt HS-2600B series:

HS-2600B open-pore heat-resistant conveyor belt, made of special composite plastic materials, can withstand instantaneous shock. Due to low friction coefficient, high shock resistance and large tensile strength, it is more than 100 times as much as general Teflon mesh belts.

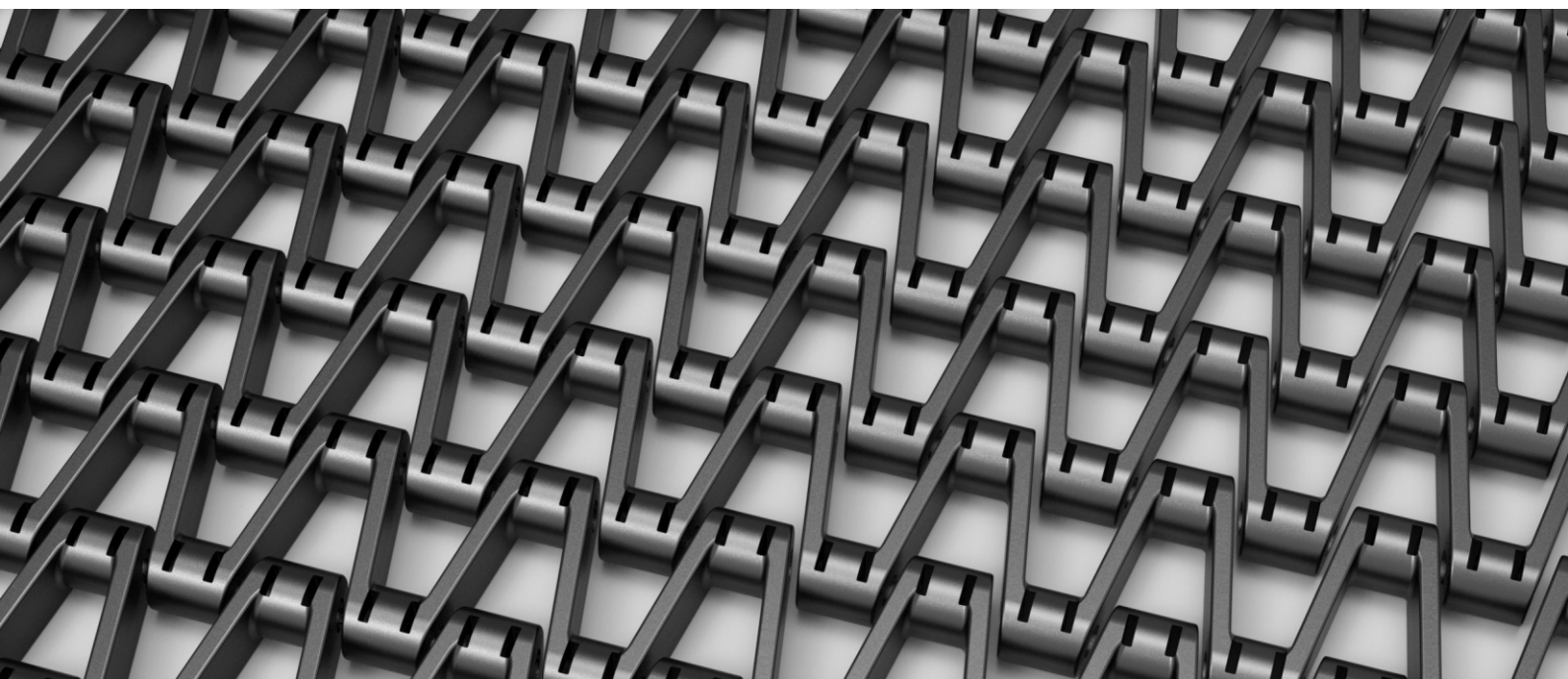
Material characteristics:

- I. HS-2600B-NG is suitable for heat-resistant drying environment; heat-resistant temperature: 260°C.
- II. HS-2600B-NGUV is suitable for UV + heat-resistant drying environment; heat-resistant temperature: 260°C.
- III. HS-2600B-PP is suitable for RF + heat-resistant drying environment; heat-resistant temperature: 150°C.


HS-2600B open-pore heat-resistant conveyor belt adopts sprocket transmission, so it can withstand instantaneous speedy and heavy loads, suitable for light and heavy load heat-resistant tunnel drying conveyors in beverages, paper, printing, packaging, textiles, chemicals, etc. It is the BEST choice for you to maintain a steady production line.



## HS-2600B Technical Data Sheet



# Technical Data Sheet

Pitch: 25mm Minimum Width: 280mm Open Area: 44% Approved: FDA Rod: Ø 4.5mm Flight: No Side Guard: No Curve: No	
---	--

## Color Table

Polypropylene					Polyethylene					Acetal					Nylon				
W	G	N	DB	B	W	G	N	DB	B	W	G	N	DB	B	W	G	N	DB	B
●			●	●	●			●	●	●			●	●	●			●	●

W-White, G-Gray, N-Nature, DB-Dark brown, B-Blue

## Friction Table

Belt Material	Friction Wear strips & Products							
	UHMW	HDPE	Steel	Glass	SUS	Plastic	Cardboard	Aluminum
Polypropylene	0.32	0.24	0.15	0.09	0.13	0.08	0.15	0.25
Polyethylene	0.13	0.11	0.26	0.19	0.31	0.16	0.21	0.41
Acetal	0.11	0.09	0.27	0.16	0.26	0.15	0.19	0.28
Nylon	0.18	0.13	0.25	0.16	0.26	0.16	0.19	0.27

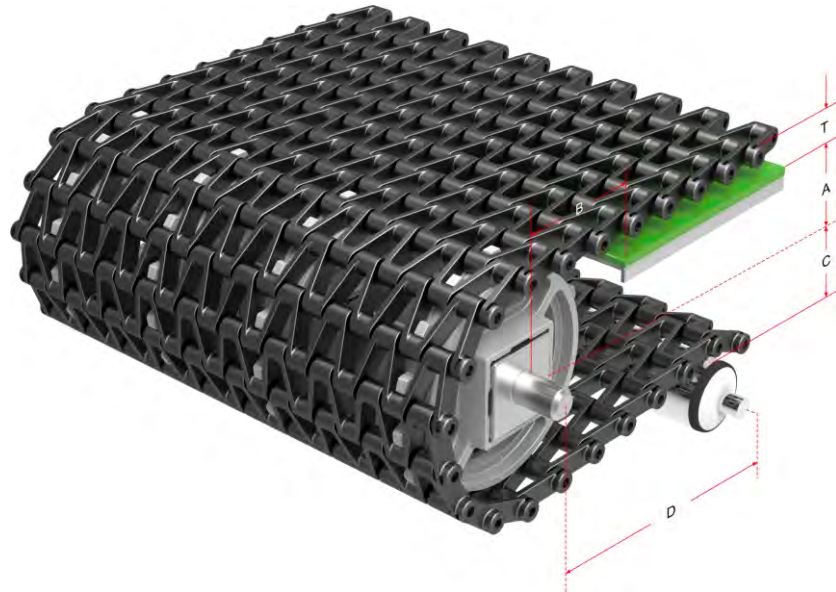
## Transmission mode

For traditional Teflon conveyor mesh belt, the unstable bearing components are structured on the fragile mesh belt, the service life is very short, and the conveyor's structure also seems tremendous. Furthermore, driven by smooth roller, it is easy to cause insufficient tension and slipping phenomena, thus causing unserviceability and affecting the production.

HONGSBELT® has developed HS-2600B open-pore heat-resistant conveyor belt, with module mesh structure design and sprocket-based transmission mode. HS-2600B open-pore heat-resistant conveyor belt can completely eliminate the skidding shortcomings, and also maintain the most stable operation state during the conveyor process.

Drive sprocket shaft hole adopts quadrangular design. There are a variety of dimensions: standard size: 38.5\*38.5, 40\*40, 60\*60. In addition to easy acquisition of raw materials and easy processing, we can get more stable operation.

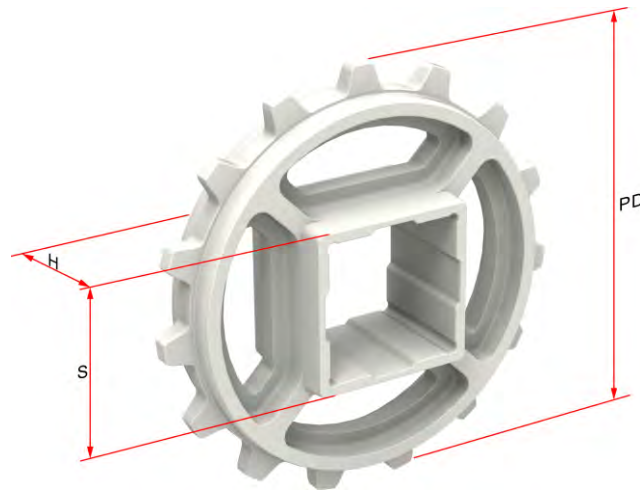




### Conveyor Frame Dimensions

Unit: mm

No. Teeth	A ( Min.)	B ( Min.)	C ( Max.)	D ( Min.)	T
9	32	28	28	250	11
11	40	38	35		
13	48	42	40		
15	57	50	50		



### Sprocket Dimensions

Unit: mm

No. Teeth	PD	S	D	H	K
9	73	30.3	--	35	--
11	89	40.3	--		--
13	104	40.3	--		--
15	120	40.3	--		--



## Modular conveyor belt solutions

### I. Compare fabric conveyor belt (PVC/PU)

The value brought by HONGSBELT® modular conveyor belt solutions is significantly superior to that brought by ordinary flat belt.

What more benefits can be brought by HONGSBELT® modular conveyor belt than conventional fabric flat belt?

1. By extending the belt's service life (from a few weeks or a few months to several years), significantly reduce the belt's replacement costs.
2. Save maintenance time and costs: modular design allows you not to remove the entire conveyor belt for replacement of broken parts.
3. Eliminate deviation and associated costs: mandatory sprocket drive of modular conveyor belt can eliminate the deviation.
4. Reduce shut-down risk of traditional woven conveyor belt with binding joints by 80%.
5. Lower output loss in slope conveyor application: modular conveyor belt allows you to build Z-shaped conveyor, thus eliminate conveyor points that are likely to damage the products, and meanwhile, save space and reduce the required quantity of driving motors.
6. For turning conveyors, the traditional turning conveyor is made up of several conveyors. But the turning conveyor, which uses modular conveyor mesh, only needs one conveyor, and then you can reach your destination. Therefore, the required quantity of driving motors can be reduced.
7. Reduce pollution risks arising from the damages of conveyor belt, for instance, traditional structures mostly adopt PVC bonded fabric layer, which is un-recyclable, because PVC is a century poison.
8. For screw conveyor, the traditional conveyor belt cannot achieve, but modular conveyor belt is absolutely out of question. This is also one of the special functions of modular conveyor belt.
9. Severe working environment can fully reflect special functions of modular conveyor belt, and show the excellent application effect.

Main conveyor problems	Regular fabric flat belt problems	Modular conveyor belt solutions
		
Guiding orientation	Caused by frequent deflections <input type="checkbox"/> Reduce the output and/or bear fracture risks of conveyor belt in the production process <input type="checkbox"/> Constantly increase HR costs for the control of pollutions <input type="checkbox"/> Replace conveyor belt <input type="checkbox"/> Re-adjust tension device <input type="checkbox"/> Trim edge damages <input type="checkbox"/> Replace pulley	Due to zero deviation, so it may not cause any associated cost.
Cleaning	Surface cleaning <input type="checkbox"/> Flat belt seems clean, but in fact, there are numerous bacteria on surface cracks. <input type="checkbox"/> Bacteria may result in delayed start, and also increase the risk that product will be contaminated.	Real cleaning <input type="checkbox"/> Zero-bacteria start <input type="checkbox"/> Modular plastic conveyor belt solutions <input type="checkbox"/> Sanitary processing ensures simple and efficient cleaning of conveyor belt <input type="checkbox"/> Materials will not contribute to the breeding of bacteria
Safety	Frequent connections of conveyor belts might cause staff to be faced with long-time safety threats.	Without necessity for connections, without casualty risks.
Flight	Along with hardening and aging of the base, the flight will fall off from flat belt, causing product pollution and maintenance problems.	Zero-flight falling off: the flight is molded as one part of base module
Case handling	<input type="checkbox"/> Longer unexpected downtime and higher maintenance costs <input type="checkbox"/> Frequent case slipping and blocking	<input type="checkbox"/> Eliminate expensive and time-consuming maintenance requirements, such as guiding orientation, tensioning, vulcanization and splicing <input type="checkbox"/> Strong non-slip stabilizing force <input type="checkbox"/> Improve the orientation
Application of turning Conveyor	Easy deflection, frequent cracking of joints, difficult replacement, difficult calibration, and longer downtime.	Completely resolve the difficulties faced by traditional belts, maintenance-free, enhance production efficiency.

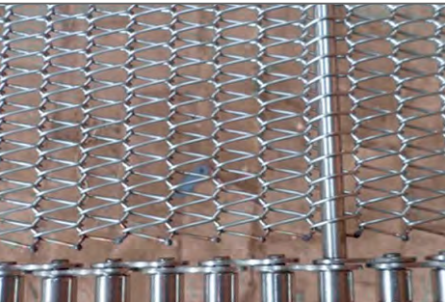



## II. Compare metal conveyor mesh belt

The value brought by HONGSBELT® modular conveyor belt solutions is significantly superior to that brought by metal conveyor mesh belt.

What more benefits can be brought by HONGSBELT® modular conveyor belt than metal conveyor belt?

1. By extending the belt's service life (from a few weeks or a few months to several years), significantly reduce the belt's replacement costs.
2. Save maintenance time and costs: modular design allows you not to remove the entire conveyor belt for replacement of broken parts.
3. Reduce pollution risks arising from the damages of conveyor belt.


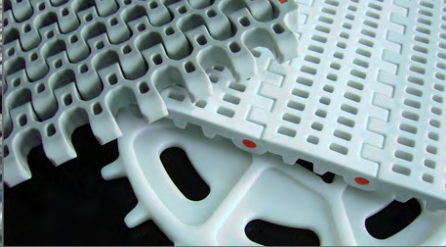
Main conveyor problems	Metal conveyor mesh belt problems	Modular conveyor belt solutions
		
Fatigue of conveyor belt	Metal conveyor belt has a limited service life, prone to metal fatigue.	The service life of modular conveyor belt is usually 5-7 times as long as that of metal conveyor belt.
Weight of conveyor belt	It is very hard to dismantle and install heavy metal conveyor belt, so it may affect the production time and staff's safety.	Modular conveyor belt is light and easy to be replaced.
Repair and maintenance	For the maintenance of metal conveyor belt, it needs cutting, welding and grinding. Therefore, it may take up valuable production time and generate safety risks.	It is very convenient and rapid to repair modular conveyor belt: Pull out hinge pin and then replace the module according to the needs.
Product cementation	Especially in frozen application, product cementation will lower the output, increase labor costs for cleaning and reduce product value.	Modular conveyor belt can reduce cementation-related losses by 80%.
Product contamination	Loose metal sheet and residual lubricant may contaminate the product.	Modular conveyor belt adopts full-plastic structure, without necessity for lubrication, without any metal contamination, so it can eliminate dark spots.
Product trace	Metal conveyor belt will leave traces on the product, which may bring adverse effect on product value.	Excellent product release capacity and fewer product traces equal the reduction of product losses and improvement of output.
Safety	<input type="checkbox"/> Performing high-temperature operations near conveyor belt may increase staff's safety risks. <input type="checkbox"/> Clipping point may cause staff to face long-time safety threats.	<input type="checkbox"/> High-temperature operations are not necessary. <input type="checkbox"/> Eliminate injury risks arising from clipping point of metal conveyor belt and damages arising from loose metal sheets.
Cleaning	<input type="checkbox"/> The cleaning of metal conveyor belt is extremely cumbersome and time consuming. <input type="checkbox"/> Metal conveyor belt looks clean, but in fact, it may become a breeding ground for bacteria, thus causing start delay and adding product waste.	<input type="checkbox"/> For modular conveyor belt, it shall ensure simple and effective cleaning. <input type="checkbox"/> For the materials of modular plastic conveyor belt, it is difficult to breed bacteria.

### III. Compare roller conveyor line

The value brought by HONGSBELT® modular conveyor belt solutions is significantly superior to that brought by roller conveyor.

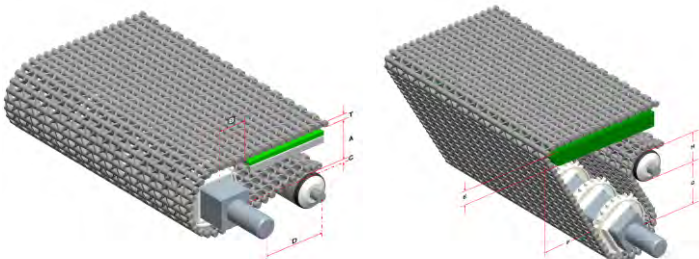
What more benefits can be brought by HONGSBELT® modular plastic conveyor than roller conveyor?

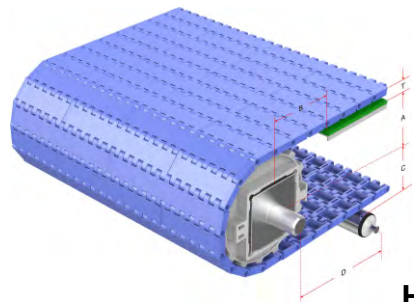
1. Enhance the speed of production line and meanwhile lower the costs of each case.
2. Enhance the flexibility of production line on packaging innovation technology.
3. Reduce installation costs and downtime by 50% during the renovation period.
4. Reduce maintenance costs and related costs by 85%.
5. By eliminating dead zone, virtually eliminate obstructed and slowed production line.
6. More moderate product handling mode can prevent product from damage.
7. In consideration of staff's safety, the plant can carry out more humanized production.

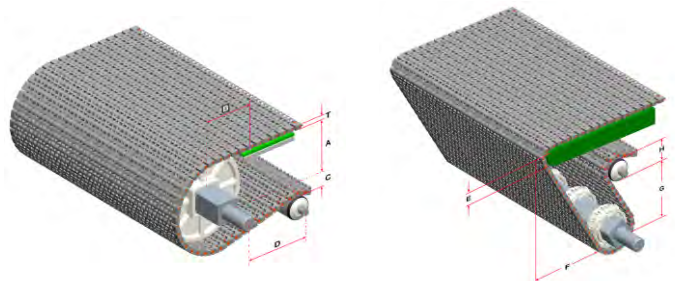
Main conveyor problems	Roller conveyor problems	Modular conveyor belt solutions
		
Flexible production line	It cannot easily handle different sizes or types of packages. The replacement of production line is very time-consuming.	Different specifications of packages can be transmitted on a production line.
Blocking	For the blocking caused by slow package progress and dead zone, it needs to be adjusted artificially, so it may cause huge delays.	Case shall keep correct direction and spacing, in order to eliminate the blocking.
Case damage	Rough transmission may cause damage risks, and also hit other cases in dead zone.	Smooth transmission surface and consistent spacing are necessary, in order to avoid case damages.
Production capacity	Blocking and dead zone may cause the blocked transmission line, and other errors will exert adverse effect on production efficiency.	Continuously-operated conveyor belt can keep steady output, thus lowering the costs of each case.
Speed of production line	Special equipments (welding frame, high-speed bearings and rollers) are required to handle higher speeds, thereby increasing the costs.	Conveyor belt can bear more than 40m/min production line speed, without necessity to upgrade any parts.
Dead zone	Dead zone, caused by roller due to movement suspension, will reduce production efficiency and also cause downstream obstruction.	Conveyor belt moves continuously on smooth surface, so as to maintain a steady speed and production capacity.
Back pressure	Zero-pressure accumulation zone fault causes the case to move slowly, thus resulting in blocking and inaccurate case counting.	Consistent low back-pressure accumulation can achieve zero damage. After the accumulation, the consistent spacing of case can be kept through restart, thus eliminating the blocking.
Repair and maintenance	Multiple failures require frequent replacement of components and continuous maintenance, thus resulting in costly downtime.	Modules can reduce maintenance and repair costs by 85%.
Costs	Wear and avulsion may cause frequent replacement or reconstruction of the entire system.	Almost zero maintenance extends the belt's service life, and increases time-based value. Through the comparison of installation of new roller conveyor system, the modification cost has been reduced by 50%.
Application of turning Conveyor	For roller turning Conveyor, the gap between rollers is too large, so the delivered objects will be restricted. Besides, power system cost is very high, maintenance is troublesome, and maintenance cost is also very high.	Turning belt composed by modular conveyor belt is suitable for all delivered objects, maintenance is convenient and fast, and there are almost no costs. It can be used in various angles.

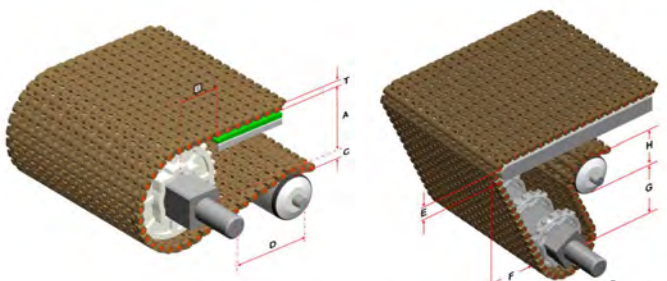


**It is believed that you will be interested in the following innovated conveyor belts!**

<p>Pitch: 10mm Minimum Width: 160mm Open Area: 24% Approved: FDA Rod: No Flight: No Side Guard: No Curve: No</p>	 <p><b>HS-400B</b></p>
--	--

<p>Pitch: 25.4mm Minimum Width: 150mm Open Area: 0% Approved: FDA Rod: Ø 5mm Flight: No Side Guard: No Curve: No</p>	 <p><b>HS-502A-HD</b></p>
--	--

<p>Pitch: 15.2mm Minimum Width: 212mm Open Area: 30% Approved: FDA Rod: Ø 5mm Flight: No Side Guard: No Curve: No</p>	 <p><b>HS-1100B</b></p>
---	---

<p>Pitch: 12.7mm Minimum Width: 205.5mm Open Area: 19% Approved: FDA Rod: Ø 4.5mm Flight: No Side Guard: No Curve: No</p>	 <p><b>HS-1500B</b></p>
---	---

# HONG'S BELT®

Perfect Conveyor Components

HONGSBELT® Modular Conveyor Belt, the combination of preciseness and artistry which creates new conveying concept. As the leader and largest manufacturer of Modular Belt in China, HONGSBELT® not only have complete production lines to meet different application requirement, but also can provide comprehensive product knowledge and experience. Through ten years' innovation and R&D, there are more than 600 types different in material and color, which provide you with perfect support in conveying field.

HONGSBELT® Modular Conveyor Belt makes an immense difference for the conveying in Food & Non-food industries for its strong, durable, low maintenance and easy to clean features.

## GLOBAL RESOURCES AND BUSINESS NO BOUNDARY



HONGSBELT® is one of the most famous manufacturer and supplier of Industrial belt in the world market with strong power in R&D, the products including: Modular Conveyor belt, Chains belt, PU/PVC Conveyor belt, Elevator belt, special processing high-speed Timing belt etc. The company has passed ISO9001:2000 quality Certification and got FDA Certificate.

HONGSBELT® put focus on Customers' demand, and insists on constant innovation to meet customers' needs, bring better conveying system with better quality products.

## OUR QUALIFICATION



## HONGSBELT International (HK) Limited

Add: No.3 SongShan Road, XinMu Street, PingHu, ShenZhen, Guangdong, China (518111)

Tel: 0086-755-89973510

Fax: 0086-755-89974246

Email: [info@hongsbelt.com](mailto:info@hongsbelt.com)

Web: [www.hongsbelt.com.cn](http://www.hongsbelt.com.cn)