

**HONG'S BELT**<sup>®</sup>  
Smart Conveyor System Solutions

**ICONVEY**<sup>®</sup>  
Intelligent Convey System Solutions

HUANAN XINHAI GROUP

**ICONVEY & HONG'S BELT**

**Company Profile**

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# ABOUT US

## Dual Brands, Dual Production Bases, Four Major Sectors



# JOIN US

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HONGSBELT & ICONVEY is the world's leading manufacturer of modular belts, chain belts and industrial conveyors

We provide competitive, high-quality products, design solutions and global 24-hour after-sales support. It involves food, beverage, express logistics, tires, corrugated cardboard, automobile inspection, car washing conveyor, and heavy industry and other fields. We continue to cooperate openly with our ecological partners, and our mission is to create value for all customers around the world.

HONGSBELT&ICONVEY provides you with the following services:

1. Provide system integration design and OEM for your industry
2. Provide layout and scheme design, deeply participate in the case process, and specific installation instructions to help you shorten the installation cycle, help you optimize the industrial production line, reduce your operating costs, and fully support you about the modular belt chain belt & industrial conveyor all needs.

Our core product applications are used every day around the world and across all industries, including express and post, logistics, medical, food and beverage, and airport logistics, to name a few.

HONGSBELT & ICONVEY conveyor belts (modular belts, chain-slab belts) and smart conveyor solutions are the best choice for you looking to reduce your cost of ownership. If you choose us, you will enjoy low maintenance costs, cost-effective overall operations, excellent product quality, and all-round support from the 24-hour headquarters.

Join us in HONGSBELT & ICONVEY, choose to work with us and let us help you achieve the best solution.



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**PART 03**   **Application**

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01

# COMPANY PROFILE

Conveying, Moves the World Forward !

We insist on research and development with the least resource consumption. Realize green intelligent integration with the optimization of equipment status, maximum protection of environment, rational use of resources, physically and mentally health of users.

ICONVEY CEO

ICONVEY & HONGS BELT was founded in 2000. So far, with more than 400 employees and more than 400 national patents and domestic and foreign certification awards, we have formed a complete industrial value chain with independent core technologies, core components, leading products and industrial conveying system solutions. We are China's leading supplier of intelligent conveying systems and intelligent terminals. Headquartered in Lilang International Jewelry Industrial Park, Longgang District, Shenzhen, iConvey is mainly engaged in the research and development, production and sales of intelligent conveying system equipment and its core components. We provide customers and system integrators with complete solutions from core components, system equipment to operational services. In addition, our strategy is to develop the whole intelligent conveying manufacturing process, covering all-digital production systems, identification systems, tracking technology, integrated implementation, etc.

We provide customers with competitive high-quality intelligent conveying products, industry solutions and services. Our products are widely used in the fields of food production, express logistics, tires, corrugated cardboard, biopharmaceuticals, automotive and heavy industry. We continue to work openly with our partners. Our mission is to create value for all To B clients around the world.

For the future, iConvey takes "The Fourteenth Five-Year Plan" and "Made-in-China" as an opportunity, will continue to improve our industrial layout, adjust the organizational structure, strengthen innovation capabilities, comprehensively enhance our strength in intelligent conveyor systems, provide a strong impetus for the company's group development. We integrate technological innovation, production research and development, financial innovation, and personnel training, providing impetus for the sustainable development of the enterprise. Conveying, moves the world forward.



# R&D Advantage



iConvey has great technical strength. The founder, Mr. Hong leads an R&D team of more than 50 people, which has been devoted to developing and building modular conveyor systems for 20 years; iConvey established the "Joint Engineering Laboratory" with SUSTC(South University of Science and Technology of China) and developed the application of new nano materials for use in intelligent conveying technology.



158

Utility Model Patents

88

Design Patent

10

Software Copyright

6

Patent



Industrial Technology Alliance



1000m<sup>2</sup> Innovation Laboratory  
30 Professor-level R&D Teams

# Certifications & Awards



- National High-tech Enterprise
- Shenzhen Key Logistics Enterprise
- ISO9001 Management System Certification
- Intellectual Property Certification
- FDA Certification
- CE Certification
- EU Certification
- Alibaba Gold Supplier Certification
- Guangdong Logistics Technology Research Center
- Top 50 Innovative Enterprises
- Conveyor Industry R&D Center
- Logistics Industry Technology Innovation Award
- 2018 China Green Warehousing and Distribution Technology and Equipment Innovation Award
- Excellent Brand In Conveyor Industry

# Development History



Future

2022



Advancing

2016-2021



Innovation

2011-2015



Inspiration

2006-2010



Early

2000-2005

- ◆ Vision: Conveying, Moves the World Forward !
- ◆ Become the world's leading brand of intelligent conveying system solutions
- ◆ The Chaoan Intelligent Module Transmission Equipment Industrial Park (Phase II) was approved, with a planned investment of 545 million

- ◆ Head office was moved and settled in LongGang District, Shenzhen, China.
- ◆ Dongguan factory for Intelligent modular conveyor system was founded.
- ◆ 30,000 M<sup>2</sup> Production bases expanded in Chaozhou.

- ◆ Strong R&D strength, successfully developed intelligent modular belt conveyor
- ◆ Obtained more than 400 national patent certificates and awards, and obtained various certifications
- ◆ Partners in more than 100 countries

- ◆ Certificates ISO9001-2008 & FDA & EU approved.
- ◆ The most comprehensive range of intelligent conveying system types.
- ◆ With our own production base in Shenzhen.

- ◆ Founded In Shenzhen In 2000.
- ◆ Taking Modular Belt As The Core Product.
- ◆ Brand HONG'S BELT & ICONVEY Established.

# Headquarters • Operation Center • R&D Center & Production Base



Headquarters • Global Operations Center



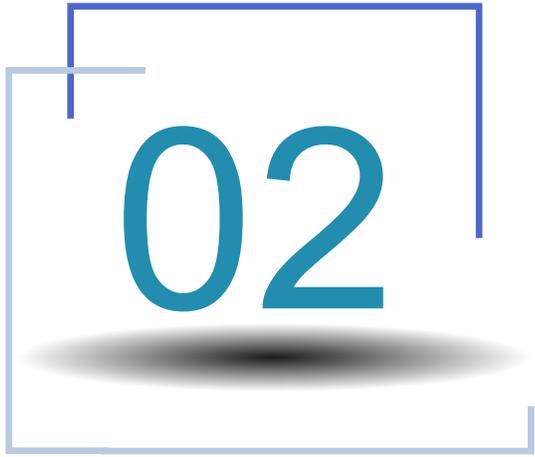
Shenzhen R&D Center



Chaozhou Production Base



Dongguan Production Base



02

# Product Description

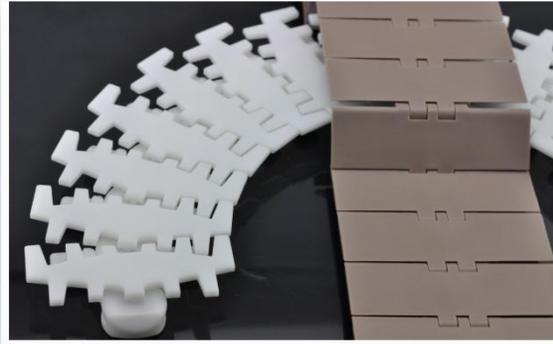
Conveying, Moves the World Forward !

# Product Series



## Modular Belt

5000 kinds of solutions for different industries



## Chain Belt

5000 kinds of solutions for different industries



## Components

Industry fully compatible solution

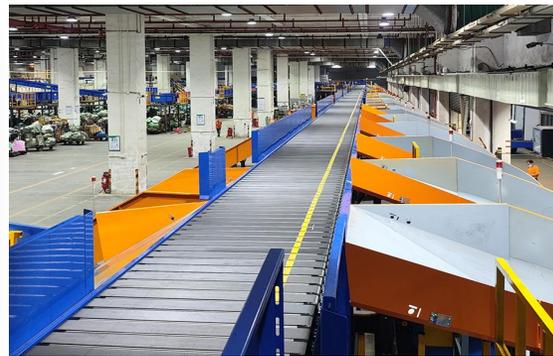


## Modular Conveyor

ODM/OEM available



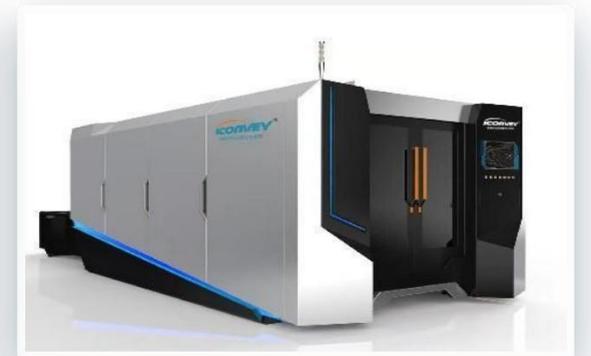
## Telescopic Conveyor



## Narrow Belt Sorting System



## Modular Belt Sorting System



## Intelligent Warehouse System

# Smart Modular Plastic Belt



Flat Top Type A



Perforated Type B



Flush Grid Curving Type B



Roller Type C



Pattern Type D



Fiction Top Type EL

Pitch	Series	Pitch	Series
5mm Pitch	HS-4000 Series	27.2mm Pitch	HS-700 Series HS-700-N Series
7.5mm Pitch	HS-750 Series	31.75mm Pitch	HS-1200 Series
10mm Pitch	HS-400 Series	38.1mm Pitch	HS-1700 Series HS-6800 Series
12.7mm Pitch	HS-1500 Series HS-1500-N Series	45mm Pitch	HS-300 Series
15.2mm Pitch	HS-1100 Series HS-1100-N Series HS-3200 Series HS-F1500 Series	80.8mm Pitch	HS-3800-6C
19mm Pitch	HS-1000 Series	57.15mm Pitch	HS-2700 Series
19.05mm Pitch	HS-2200 Series	63.5mm Pitch	HS-1800 Series
25.4mm Pitch	HS-200 Series HS-500 Series HS-600 Series HS-F1000 Series HS-2400 Series HS-2500 Series HS-2600 Series HS-2800 Series HS-3000 Series HS-3400 Series HS-4800 Series HS-LBP1005 Series	50.8mm Pitch	HS-100 Series HS-100-N Series HS-800 Series HS-900 Series HS-1400 Series HS-1600 Series HS-1900 Series HS-3600 Series HS-3800 Series HS-3900 Series
Flat top Radius	HS-2000 Series HS-8000 Series		

# Plastic Chain & Components



## Plastic Chain Series

### Straight Running

HS-820/820-D/820-T  
HS-821  
HS-828  
HS-40P/50P/60P

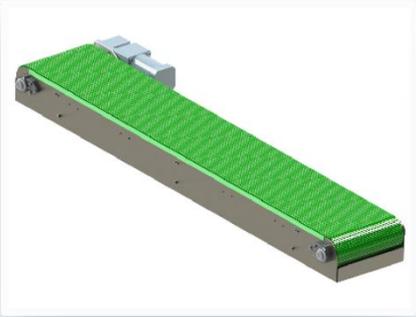
### Curve Running

HS-878/878BO  
HS-880/880TAB/880M  
HS-880TAB-BO/  
HS-880TAB-HD  
HS-882/882TAB/882TAB-EL  
HS-1873T/1843  
HS-F3000/F3000-TAB  
HS-1050/1060/1060-TAB  
HS-2600-O/2600TAB-O  
HS-2600FT-O/2600FTTAB-O  
HS-2800-O/2800TAB-O  
HS-F54  
HS-1700/1702/1703-N  
HS-1701/1701TAB  
HS-7100

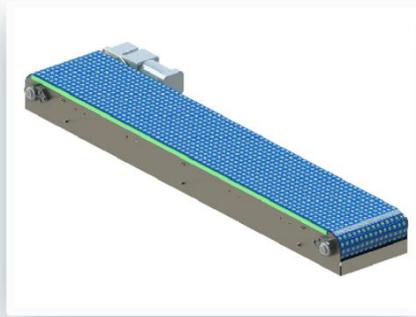
### LBP Series

HS-LBP821  
HS-LBP878TAB  
HS-LBP882TAB  
HS-LBP882M

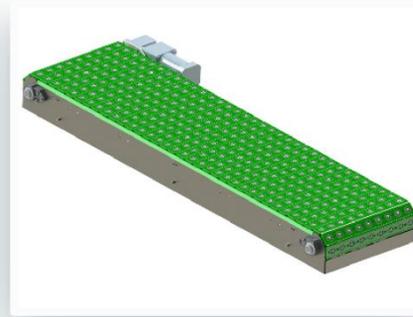
# Modular Belt Conveyors



**HS-1500A** Straight Modular Belt Conveyors  
Packaging Industry



**HS-2800C** Straight Modular Belt Conveyors  
Corrugated Cardboard



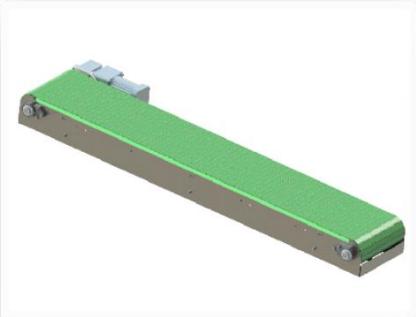
**HS-3800-1C** Straight Modular Belt Conveyors  
Logistics Sorting - Heavy Load



**HS-3900C-N** Straight Modular Belt Conveyors  
Tire - Warehousing - Postal Express



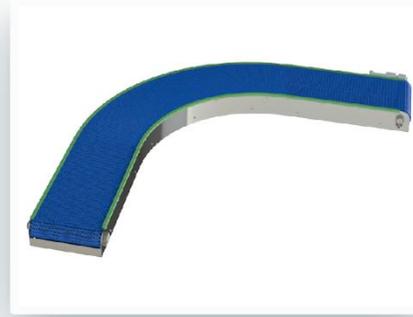
**HS-4000A** Straight Modular Belt Conveyors  
Beverage Industry



**HS-4800A** Straight Modular Belt Conveyors  
Warehousing - Packing - Sorting



**HS-2000A** Modular Flat Top Curve Conveyors  
Logistics, Food, Beverages



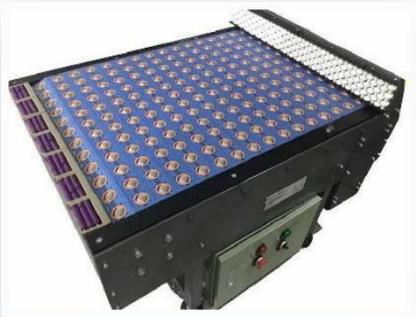
**HS-2400B** Modular Curve Conveyors  
Food, Bakery Industry



Spiral Conveyor



Inclined Conveyor



90 Degree Transfer Conveyor



XY Transfer Conveyor



Corrugated Cardboard



Automotive Industry System Solutions

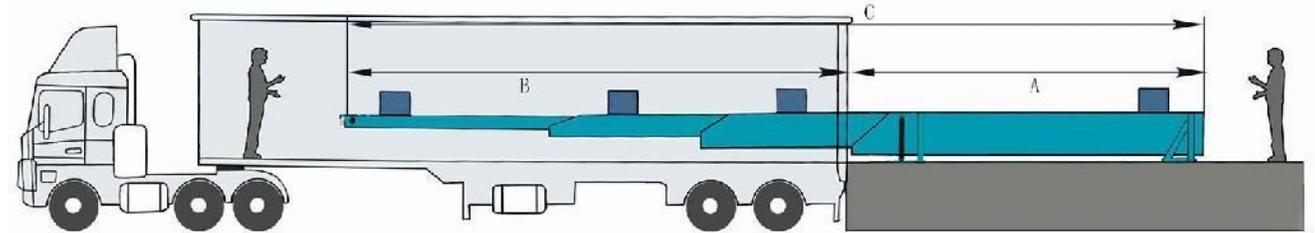


For more conveyors,  
please go to the official  
website  
[iconveytech.com](http://iconveytech.com)

# Telescopic Conveyor



The ICONVEY telescopic belt conveyor is used to realize the functions of fast conveying and loading of items with small footprint and strong applicability. It is composed of multi-layer belt conveyors, which can easily realize the function of conveying items. After unfolding, it can realize long-distance conveying. It is widely used in express/logistics (business site/terminal distribution point), tobacco, chemical industry, food, beverage, alcohol, daily necessities and other industries.



Three-section Telescopic Belt Conveyor



Five-section Telescopic Belt Conveyor



Double Drawer Type Telescopic Belt Conveyor



Mini Loading and Unloading Telescopic Belt Conveyor

# ICONVEY Narrow Belt Sorting System

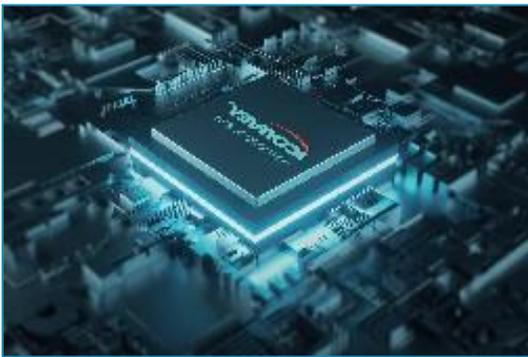


## ICONVEY Narrow Belt Sorting System

Fast running speed High timeliness Low missorting rate

### Seven core advantages

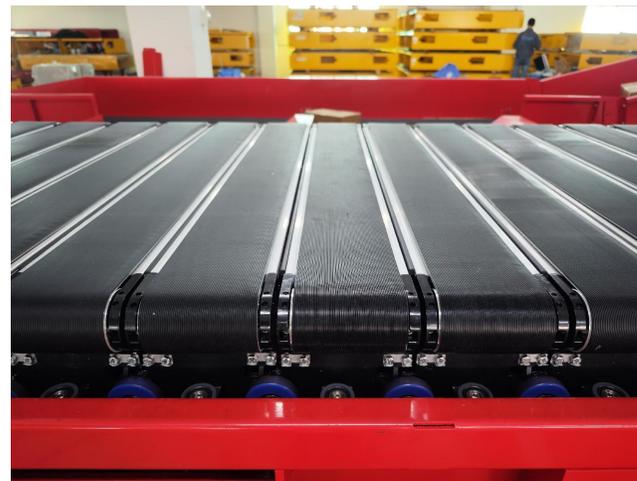
- Barcode Scanning System Based on Image Analysis
- Industrial Wireless Communication System Based on Autonomous Chip
- Motor Drive System Based on Self CPU
- Equipment Remote Diagnosis System
- Electrical Control System Based on Embedded Chip
- Logistics Digitization Analysis System
- WCS System



ICONVEY Independent Chip

### Features

Suitable for the small area site with large volume, the double layer sorting shares the common port, can almost double the operation efficiency. The upper and lower double layers are driven separately and can be on and off independently.



### Principle of Narrow Belt Sorting System

The cross-belt sorter is an independent sorting carrier with the main drive conveying line, which runs in a cross direction to realize the sorting mode on the left and right side.

Through the accurate control of time and speed by the information management system, the package can be transported and sorted to the corresponding target port at the precise station. Because of its high accuracy, low damage rate and fast sorting speed, it gradually replaces manual sorting.

# Smart Modular Belt High Speed Sorting System



## Scheme description

The iConvey Modular Belt Sorting Conveyor incorporates many innovative designs to increase operational efficiency, ease maintenance and reduce operating costs. Regardless of the weight, shape and size of the goods, the unique modular belt sorting technology can carry out accurate, flexible and fast sorting operations.

9000 pieces/hour

120m/min high-speed



Preliminary Sorting



Loading & Sorting



Automatic Distribution

## ICONVEY 4.0 Sorting System



## ICONVEY High Speed Sorting System Highlights:

- High automation: reduce manual work by up to 90%
- Efficient: Sorting capacity increased by up to 5 times (9000 pieces/hour)
- Low noise: as low as 70 decibels
- Cost saving: 32% lower than other sorting systems of the same type
- Sturdy: can transport bulky (1200\*1200mm) and more complex materials
- Intelligence: man-machine combination, switching between manual/automatic
- Dataization: The operation of each module can be detected in the whole time period
- Practicality: suitable for most non-standard packages

# Intelligent Cloud Warehouse System



智库水平仓配系统



Intelligent cloud warehouse system realizes comprehensive digital management

## Solutions

The ICONVEY intelligent cloud warehouse system was born in response to market demand. With integrating digital, automation, informatization, and artificial intelligence technologies, we provide enterprises with full-cycle warehouse management service functions such as cargo inbound and outbound management, cargo storage, real-time tracking of cargo status, and warehouse receipt management. , and help enterprise warehouse to digitize, automate and efficiently manage the whole process.

## Comprehensive Digitalization, Intelligence & Automation Of Warehousing

### Horizontal Warehouse Distribution System



#### Product advantages

1. Improve picking efficiency
2. Precise picking
3. Make the most use of space
4. Data traceability and real-time inventory management

### Vertical Warehouse Distribution System



#### Product advantages

1. Improve production efficiency
2. Larger capacity and higher space utilization
3. Modular and flexible expansion
4. Ergonomically designed

# More Products



## Technology-based, Continuous Exploration, Leader In The Intelligent Conveyor Industry

Number	Product Name	Number	Product Name	Number	Product Name	Number	Product Name
1	Two-way Buffer Conveyor	12	Food Multi-station Confluence Conveying System	23	Jacking Transplanting Conveyor System*	34	Base Paper Conveyor
2	Automotive Security Inspection Conveyor	13	Logistics Reversing Conveyor System	24	Car Wash System*	35	Centered Positioning Conveyor
3	Food Automatic Rejection System	14	Automatic Circulation Feeding System	25	Smart Balance Wheel Sorting System*	36	Circle Quiet Conveyor System*
4	Multi-model Production Conveyor System	15	Positioning Conveyor	26	Smart Warehouse*	37	Polymer Composite Low Frequency Sound Absorbing Material Technology*
5	Baggage Automatic Security Inspection System	16	One-piece Separation System	27	Standardized Platform Conveyor System*	38	
6	Unpowered Telescopic Conveyor	17	Steering Positioning Conveyor System	28	Intelligent Holographic Three-dimensional Parking Garage*	39	
7	Two-way Flat Curved Conveyor	18	All-round cold chain disinfection conveyor system	29	Smart Delivery System*	40	
8	Logistics Automatic Distribution System	19	Bulk Supply And Delivery System	30	Mechanical Narrow Belt Sorting System*	41	
9	Irradiation Delivery System	20	High-Performance Sorting Conveyors*	31	Small Narrow Belt Sorting System*	42	
10	Automatic Folding Conveyor	21	Large Screw Conveyor	32	Heavy-duty Intelligent Sorting Conveying System	43	
11	Automatic Pull Distance System	22	Smart Arrangement & Labeling System*	33	High-efficiency and Energy-saving Intelligent Sorting Conveyor*	44	

1. Data source: HUANANXINHAI (Shenzhen) Co., Ltd. prospectus page 1-1-262

2.\* Indicates the trial operation stage or the test development stage

3. Some models consist of a part of the system solution

03

# Industry Application

Conveying, Moves the World Forward!

# Industry Application

## Automotive field

The successful research and development of the ICONVEY modular conveyor solution has led the innovation and development of the automobile inspection, heavy-duty conveying, and car washing industries. The product has the advantages of stability, safety, convenient installation and maintenance, and low energy consumption.



## Corrugated cardboard

The stable and safe ICONVEY corrugated logistics modular belt conveyor line, combined with the intelligent control system, can greatly reduce manual operations and improve the quality and efficiency of cardboard production!



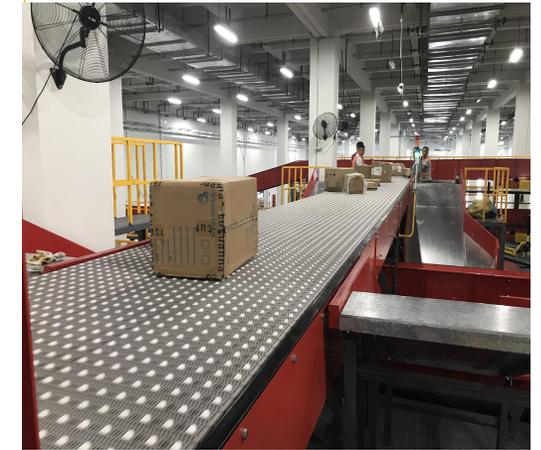
## Tire manufacturing

Modular belts with roller designs eliminate frequent and time-consuming traditional belt repairs. The disadvantages of traditional conveyor belt slippage or misalignment, belt edge damage and rubber contamination are eliminated.



## Logistics and Express

The ICONVEY intelligent modular sorting and conveying system is widely used in logistics and express delivery, and the equipment can handle boxes, plastic bags, parcels, envelopes, etc. quickly and efficiently. ICONVEY engineers can help optimize facility layouts and improve economics by streamlining processes such as sorting, merging and splitting.



# Industry Application

## Modular belt flat top curve conveyor

ICONVEY modular belt has a flat curved conveyor with a fixed minimum inner radius of 600mm, which helps customers save a lot of space. Driven by sprockets, it avoids the drawback of slippage, maintains continuous and stable operation during the conveying process, and is durable.



## Package

ICONVEY conveyor system solutions are widely used in food processing and packaging industries, including climbing modular belt conveyors, curve conveyors, knife edge conveyors, high temperature special modular belt conveyor system solutions, etc.



## Beverage

ICONVEY modular belt conveyor system is mostly used for cans, PET bottles, glass bottles, etc. in the beverage industry. With our self-developed HONGS BELT modular belt, it can realize single-lane conveying, multi-lane conveying, stable conveying and palletizing conveying in the beverage industry.



## Wood Industry

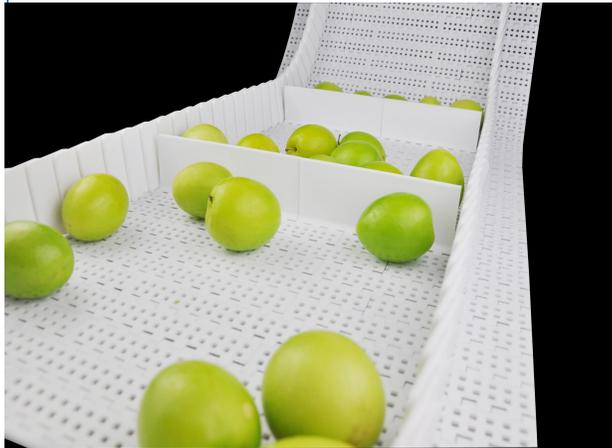
HONGS BELE modular belts form a flexible and diverse ICONVEY conveying system solution to meet the needs of high-efficiency conveying in the wood industry, and can be applied to various processing and conveying production lines.



# Industry application

## Fruit and vegetable industry

ICONVEY conveyor system solution uses special perforated mesh modular belts and modular belts with clamping plates and side plates, which are widely used in the fruit and vegetable cleaning industry. The product has passed the food grade certification and has the characteristics of long life, easy maintenance and cleaning.



## Meat processing

ICONVEY conveyor system solutions are widely used in the meat processing industry. The full range of modular belts and chain plate belts of its own brand HONGS BELT have passed FDA certification and can be in direct contact with food. The product features a long service life and is easy to clean, install and maintain.



## Bakery industry

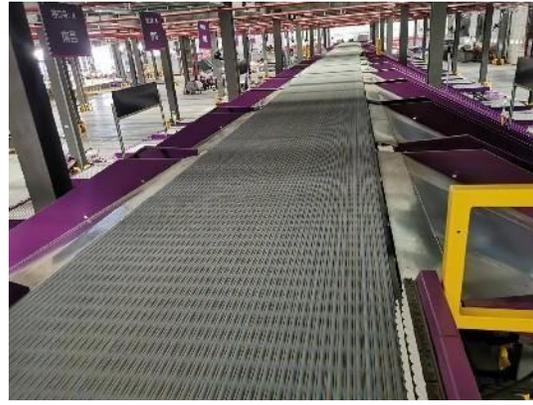
ICONVEY cooling screw conveyor solves the problem of excessive tension caused by metal wear debris and downtime associated with belt rollover. The self-owned brand HONGSBELT modular belt material it uses has hydrophobic properties, which prevents moisture from adhering to the surface of the conveyor belt, thereby reducing product adhesion.



# Success Case



Modular belt conveyor system of China Post in Jinhua East(Zhejiang) Sorting Center



Shenzhen Bao'an International Airport Distribution Center-- Modular Belt Sorting System Project



Modular belt spiral conveyor of C'estbon mineral water



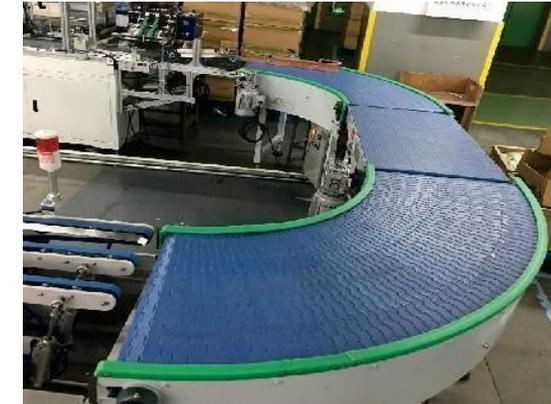
Midea Group Foshan Ruizhu Automatic Unmanned Workshop Conveyor System Project



Budweiser Group Beer Conveyor Line - Modular Belt Flat Top Curve Conveyor Project



Armenia Customs Security Inspection Conveyor System Solution Project



Artus Printing Group Modular Belt Conveyor System, Screw Machine Cooling System Project



Japan Kanzaki Tsusho Co., Ltd. - Corrugated Cardboard Intelligent Conveying System Project

04

# Service Support

Conveying, Moves the World Forward !

# Service Support



At present, with worldwide partners, ICONVEY is in the leading position of Chinese brands in the same industry. Take Shenzhen China as the international center, our global partners and related after-sales outlets covers Asia, America, Europe, Oceania, and Africa. etc.

Relying on cooperative service providers and agents, we have established new partners in the United States, the United Kingdom, Poland, Russia, Morocco, Egypt, South Africa, Japan, Singapore, South Korea, India, Indonesia, Bangladesh, Thailand, Australia etc. These partners will share the technical resources of the headquarters and the support of detailed system solution resources, and finally have strong terminal integration solution capabilities and rapid response capabilities, and quickly solve the actual needs and after-sales needs of customers.

## After-sales Service

Instant Repair	Inspection & Maintenance	Upgrade	On-site Service	Technical Support	Training Services
After-sales Team Quick Response: 30 Minutes Response, 2 Hours Remote Assistance	Provide Systematic Safety Inspection and Care To Ensure Equipment Performance and Good Operating Condition;	Provide optimized solutions and supporting replacement products	Solve problems as quickly as possible after sale to ensure peak production is not affected by shutdowns caused by equipment failures	Provide online technical support, instant remote assistance, software system upgrade	Provide operation and maintenance guide and free technical training until the personnel are qualified

While ensuring the advanced nature, reliability and stability of the equipment, we continuously improve the service quality, from the aspects of after-sales equipment maintenance management, technical services, etc., to ensure that customers can get the best after purchasing the equipment, services and systems manufactured by us. Good maintenance and fastest tech support. We promise you:

## Six Commitments

1	2	3	4	5	6
One year free maintenance period	Five-year quality assurance	Respond within thirty minutes	Remote assistance within two hours	Major quality accident customized plan	Mobilize all resources to solve the problem

THANKS

!

Conveying, Moves the World Forward !



**HUANANXINHAI(Shenzhen) Technology Co., Ltd.**

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