



ICONVEY®

COMPANY PROFILE

Conveying, Moves the World Forward!

HUANAN XINHAI (SHENZHEN) TECHNOLOGY CO., LTD.

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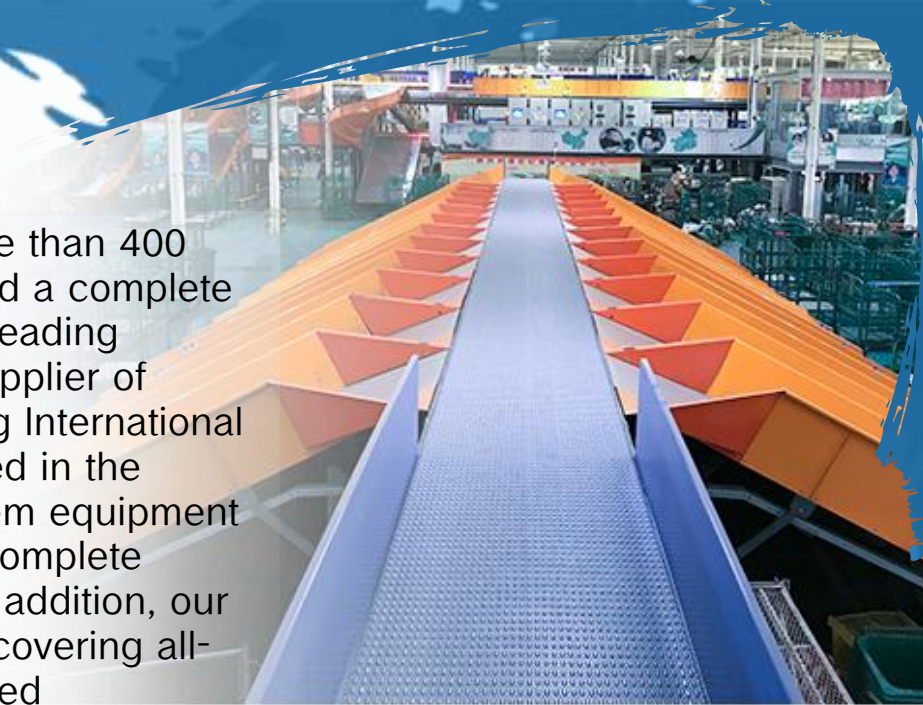
01

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 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 Industrial Technology Alliance

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



1000m² 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 M² 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



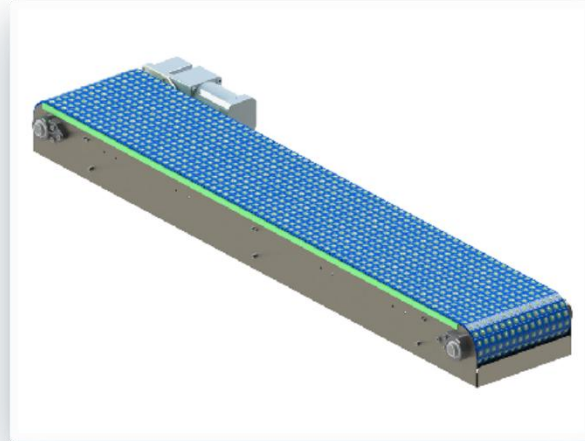
Dongguan Production Base

02

Product Description

Conveying, Moves the World Forward!

Product Series



Modular Belt Conveyor



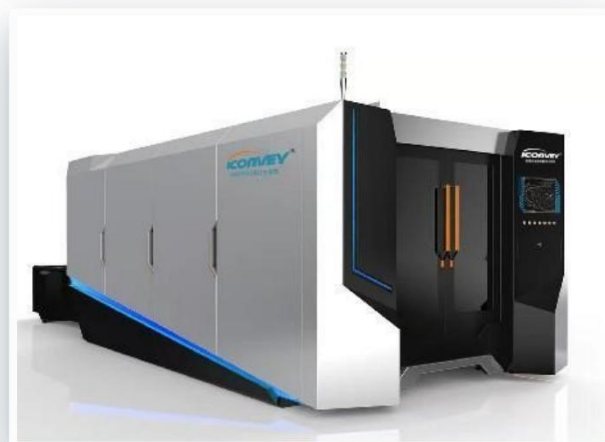
Telescopic Conveyor



Cross-belt Sorter



Intelligent Modular Sorting System

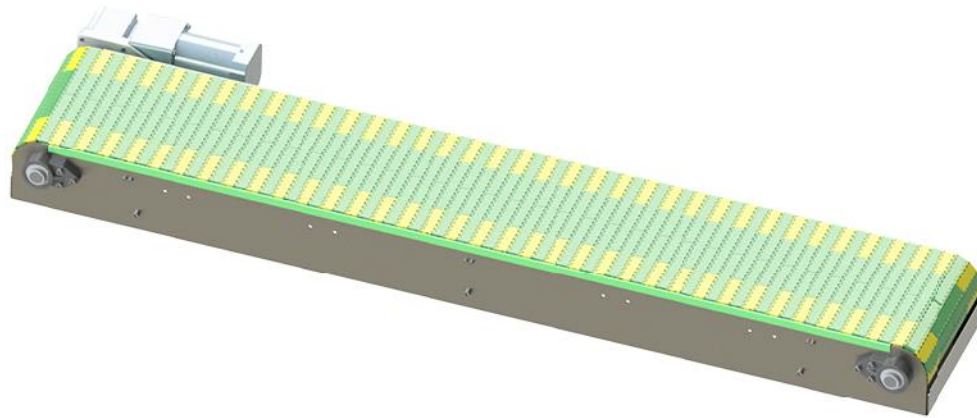


Intelligent Warehouse System

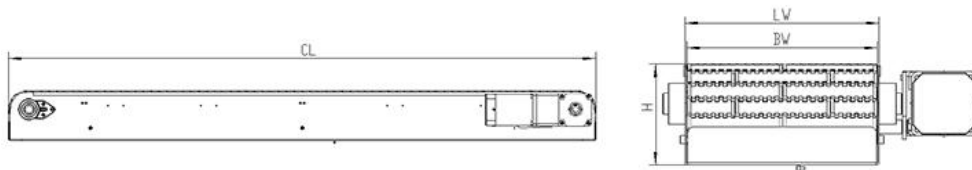


Modular Disinfection System

HS-502A-HD Straight Modular Belt Conveyor



Product performance and stability are industry-leading. Modular belt straight conveyor, with the modular belt as the carrier, is used for transportation in the direction of linear running. It can be connected to other equipment, easy to install, environmental protection.



CL	Module length	1000mm, 1500mm, 1800mm		
H	Module height	148mm		
BW	Belt Width	457mm	610mm	836mm
LW	Track Width	469mm	622mm	848mm

Application

Corrugated Cardboard
Heavy-duty Conveying
Pallet Conveying



- **Modular Design**
- **Safe & Stable**
- **FDA CE Certification**



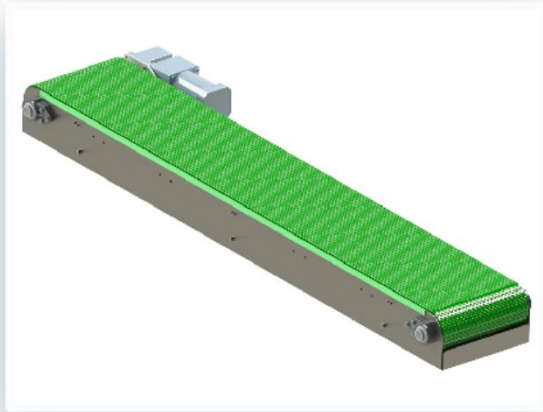
- **Wear-resistant**
- **Anti-smash**
- **Energy Saving**

Conveyor Parameters

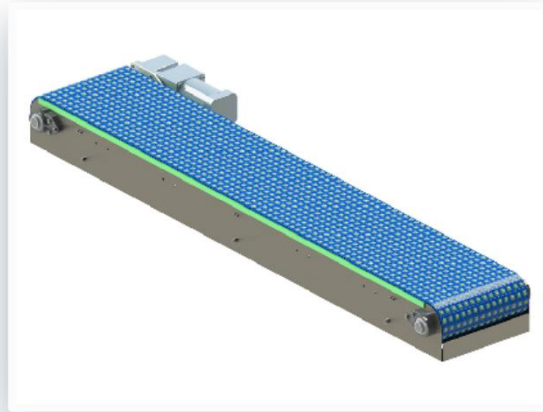
- Specification: Standard
- Speed: Adjustable (0.5-2m/s – 50kg)
- Voltage: 220V or 380V
- Power: 1.5KW
- Ambient Temperature:-5 – 40°C
- Motor: Nord
- Color: As Per Requirement
- Frame Material:Carbon Steel or Stainless Steel
- Belt Material: POM
- Maximum Loading Capacity: 1.5T-2T
- Certificate: FDA/ ISO9001:2009/CE



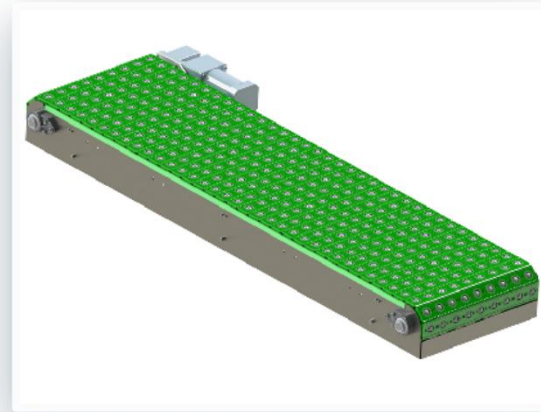
More Straight Modular Belt Conveyors Standard Types



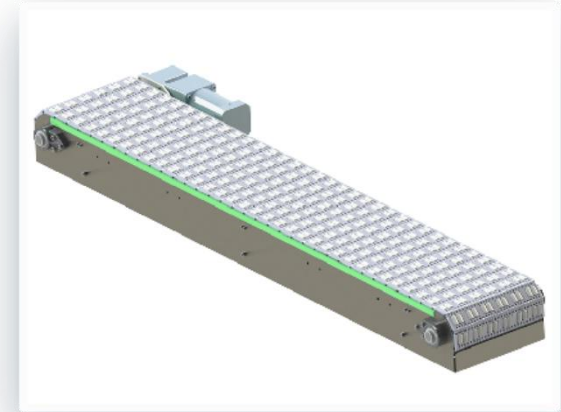
HS-1500A Straight Modular Belt Conveyors
Packaging Industry



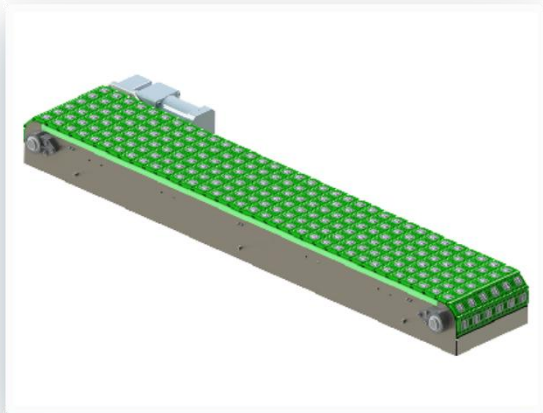
HS-2800C Straight Modular Belt Conveyors
Corrugated Cardboard



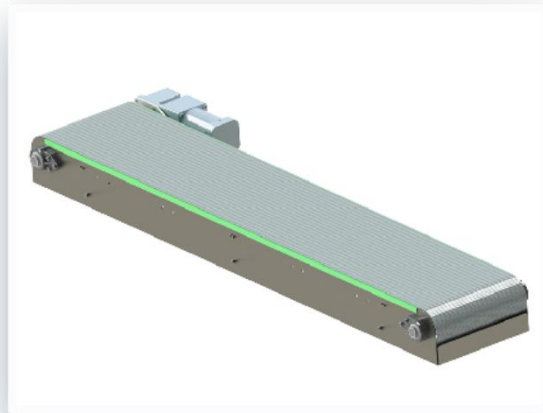
HS-3800-1C Straight Modular Belt Conveyors
Logistics Sorting - Heavy Load



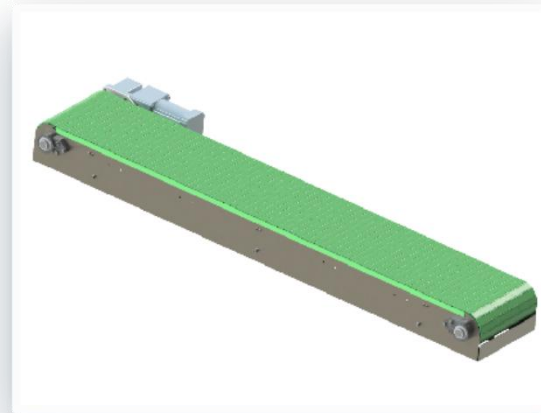
HS-3900C-N Straight Modular Belt Conveyors
Tire - Warehousing - Postal Express



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



HS-4000A Straight Modular Belt Conveyors
Beverage Industry



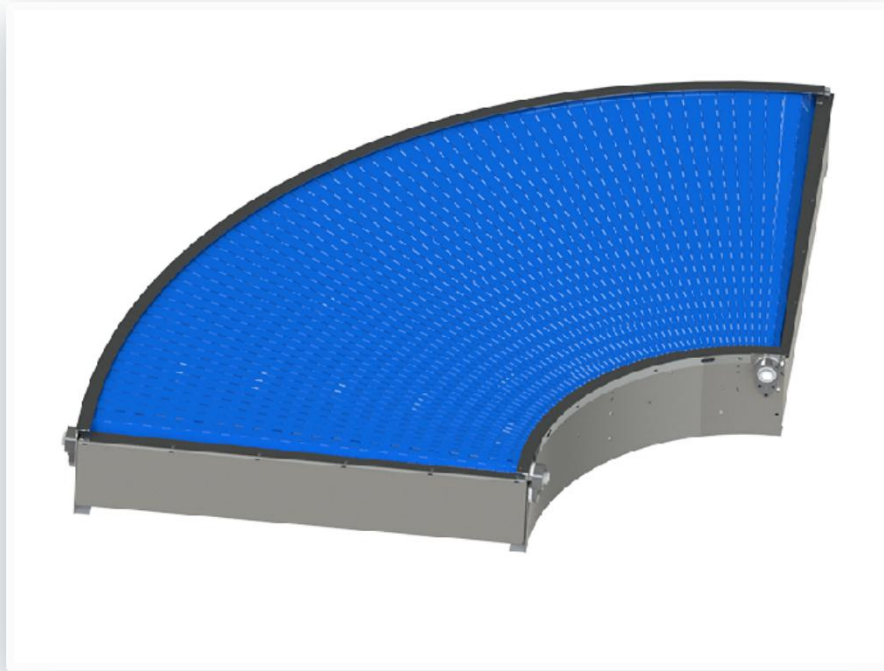
HS-4800A Straight Modular Belt Conveyors
Warehousing - Packing - Sorting

More Specific
Parameters About The
Straight Conveyor

Official Website
iconveytech.com

Components

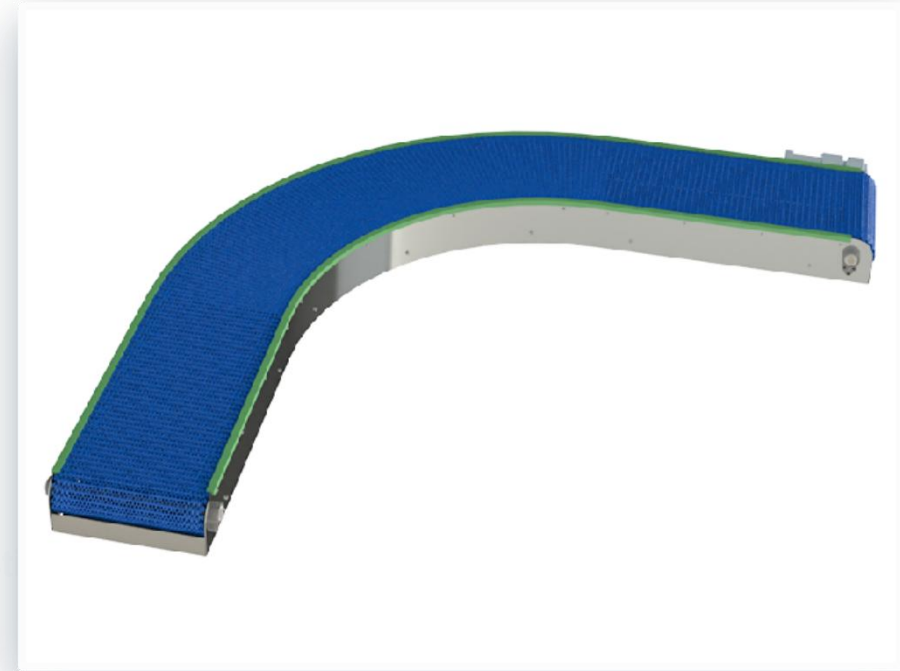
Curved Modular Belt Conveyors



HS-2000A Modular Flat Top Curve Conveyors

Used In Express Logistics, Food, Parcels, Beverages, Pharmaceuticals, Cosmetics, Dairy Industry

HS-2000A Modular Belt Curve Conveyor is one of IConvey core products. It is the world's first and patented product with many functions. It uses different angles to build logistics curves for different applications. The straight conveyor connected to it can be connected smoothly.



HS-2400B Modular Curve Conveyors

Used In Food, Bakery Industry

The HS-2400B curve conveyor has a small turning radius and is an ideal solution for the bakery industry. HS-2400B Modular Belt is used to replace the Intralox 2400 Series Radius Flush Grid (1.7)

Other Modular Belt Conveyors



Spiral Conveyor



Inclined Conveyor



90 Degree Transfer Conveyor



XY Transfer Conveyor



Knife Edge Conveyor



Palletizing Conveyor



Automotive Industry
System Solutions

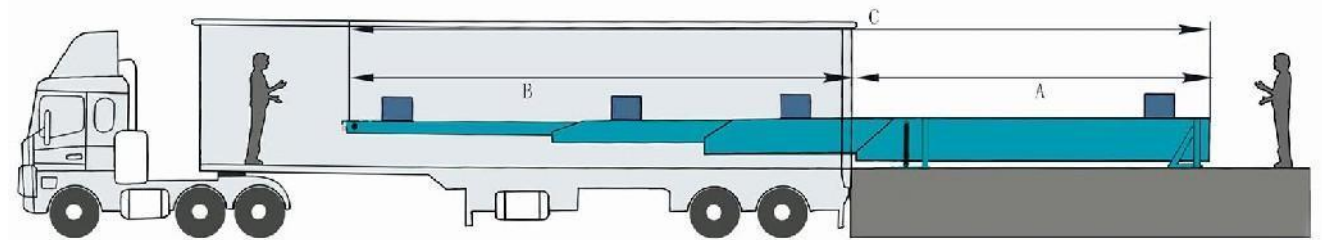


Corrugated Cardboard

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

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

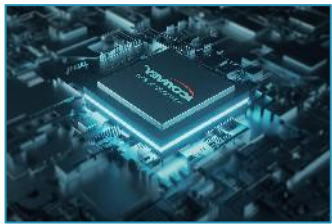
Cross-belt sorting system solutions

ICONVEY Loop Cross-Belt

- 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

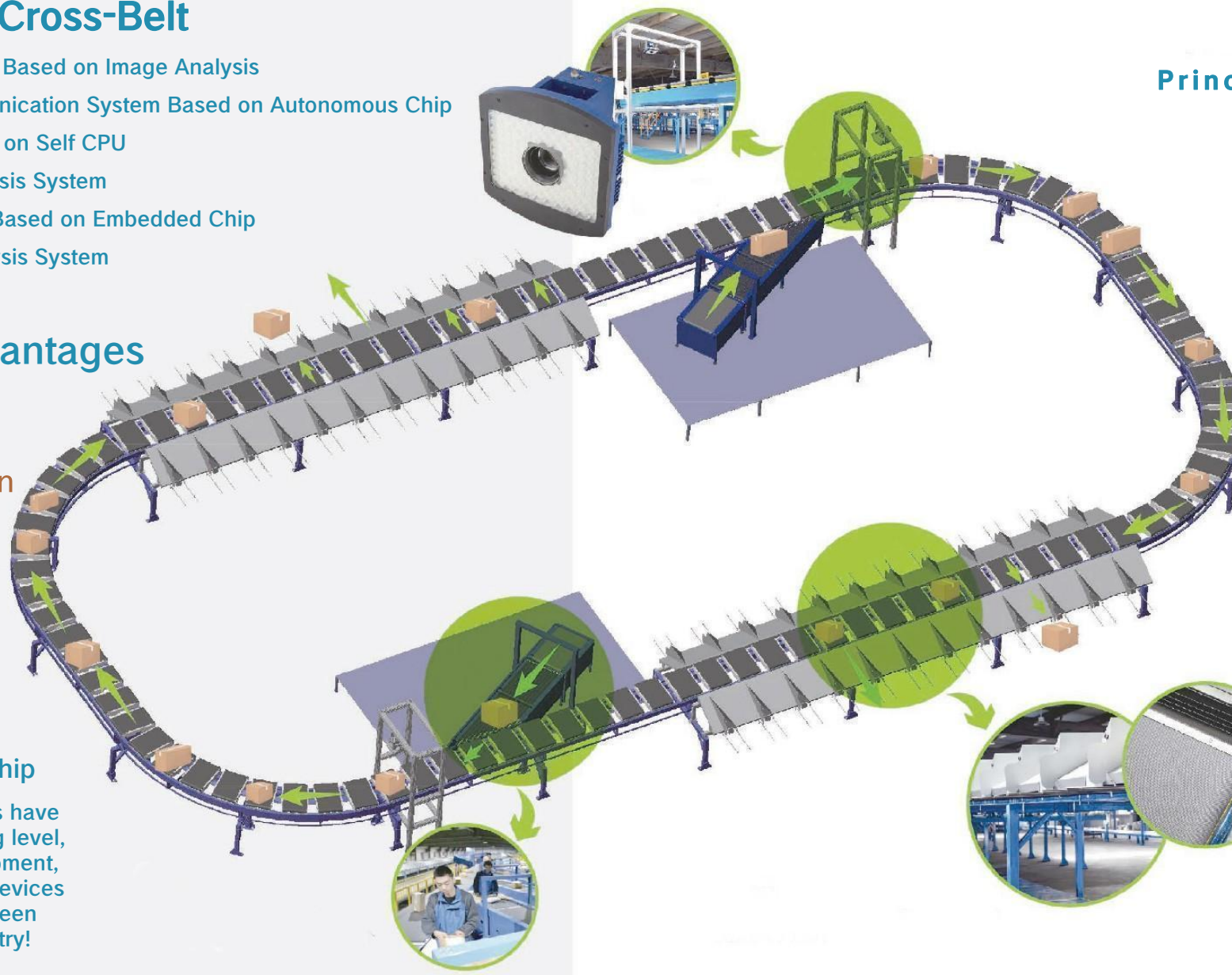
Seven core advantages

Fast running speed
High timeliness
Accuracy recognition
Low missorting rate



ICONVEY Independent Chip

The technological achievements have reached the international leading level, and the dream of Chinese equipment, Chinese components, Chinese devices and Chinese chips has truly been realized in the logistics industry!



Principle of Cross Belt Sorter

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.

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.

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

Multi-mode and Full-coverage Modular Spray Disinfection System



System Specification

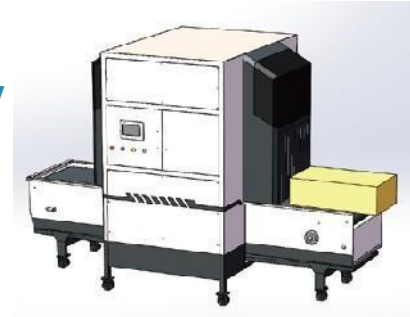
ISD1600 Multi-mode and Full-coverage Modular Spray Disinfection System

Intelligent Modular Belt Conveying Technology

High wear resistance modular belt is adopted, and knife edge shape structure is used at inlet/outlet; it can convey product with length less than 10mm, low noise (almost no noise), it is especially suitable for corrugated paper strapping/packaging products; its power is strong, and it can be connected with various conveying systems. It is suitable for all kinds of packing articles with different weight, the dynamic load is 500kg/m², the conveying speed is up to 60m/min, high speed, stable, zero deviation, and the system life is more than 5 times of the ones using traditional technology; it supports modular design technically, it is easy for installation and maintenance, and has following features: heavy load, small energy consumption, impact resistance, and corrosion resistance.

Double cyclone atomization technology

The cyclone centrifugal atomizing technology is adopted. The negative pressure generated due to the siphon principle will drive the disinfection solution or other fluids to the cyclone centrifugal atomizing mechanism. Under the action of cyclone centrifugal force, the medical solution will be nebulized into droplets, filiform and membrane particles, and ejected from the outlet nozzle.



The ISD1600 Multi-mode and Full-coverage Modular Spray Disinfection System is mainly composed of an integrated conveyor module, a double-cyclone spraying disinfection module, Android touch control system, safety device suitable for all types, etc.



Typical Work Scenario



System Features

- Accurate Disinfection
- Wide Application
- Intensive and Efficient
- Smart IoT
- Safe and reliable



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!



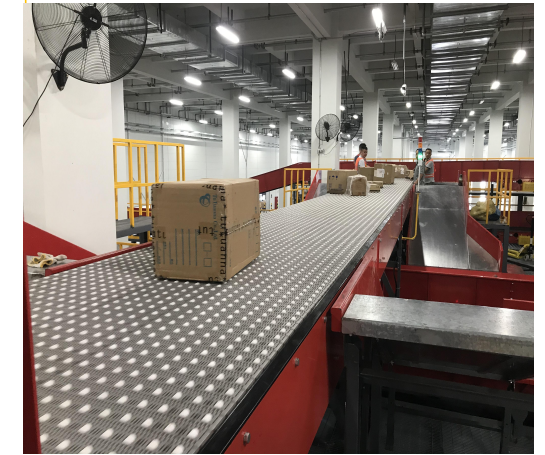
Tire manufacturing

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.



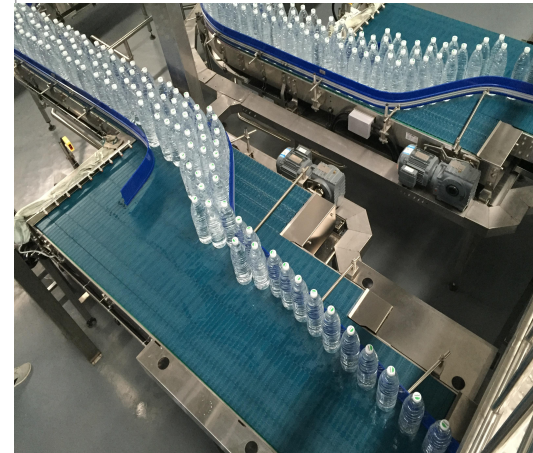
Package

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

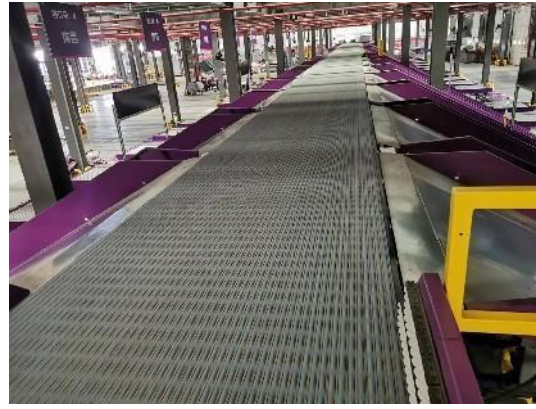
ICONVEY cooling screw conveyor solves the problem of excessive tension caused by metal wear debris and downtime associated with belt rollover. The self-owned brand HONGSBELT modular belt material it uses has hydrophobic properties, which prevents moisture from adhering to the surface of the conveyor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

Check out More Cases: <https://www.iconveytech.com/our-projects/>



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 !



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