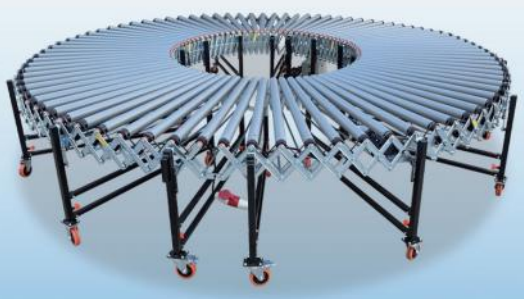
VPAI

PRODUCT MANUAL

Focus on conveying and sorting equipment







ShenZhen WeipaiTengda Technology Co.,Ltd.

HIGH END MANUFACTURER OF AUTOMATED CONVEYING AND INTELLIGENT SORTING EQUIPMENT

[2024]

TELESCOPIC BELT CONVEYOR



Telescopic belt conveyor is a new type of professional loading and unloading equipment. It can be freely expanded and contracted in the length direction, which reduces the distance of manual transportation of materials and shortens the loading and unloading time. The biggest advantage is the ergonomic operating conditions. Through one operating lever and operating button, the telescopic machine can reach any position required by the operator. Through arbitrary telescopic movements, the easy and efficient loading and unloading of goods can be completed.

1、Product Advantages

Space Saving

Small footprint, oil resistance, corrosion resistance, electrostatic resistance and other special requirements of the conveying.

Improve Loading and Unloading Efficiency

Automatic and fast handling, which is twice as fast as manual handling, helping employees to quickly load and unload vehicles

Reduce Labor Intensity

Minimize manpower up and down handling, the operator can extend the telescopic machine and raise/lower it to the proper working position

Reduce Cargo Damage Rate

The operation is simple, safe and reliable, which enhances the safety of product entry and exit

Suitable for All kinds of Cargo Handling

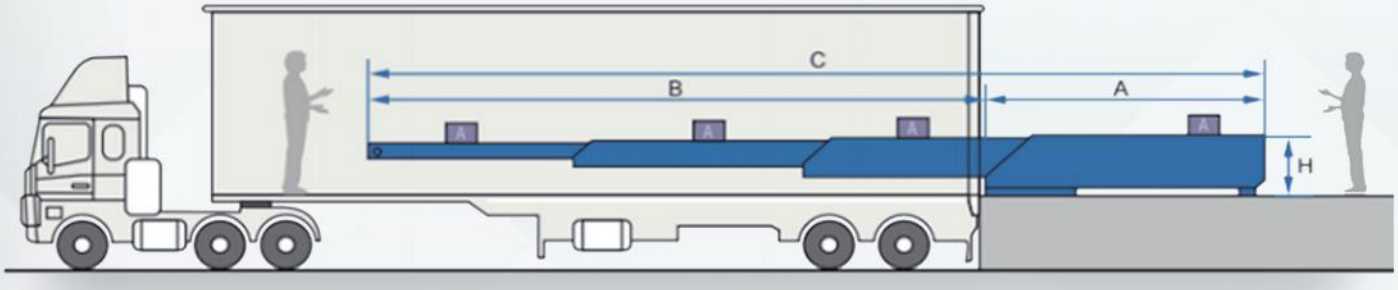
Applicable to all kinds of cartons, woven bags, express parcels, ports, docks, warehouses, food, tobacco, tires, etc

Brand Parts

Using well-known brand motors, drives, controllers, bearings, high stability, low maintenance costs

2、Working Drawing

- To a certain extent, it can achieve free expansion and contraction length, as well as logistics equipment that can adjust the transmission height, and can also achieve two-way operation to transport materials;
- It is suitable for the use of vehicle loading and unloading (receiving) in transshipment centers and distribution centers, and can realize functions such as fast unloading and automatic transportation of arrivals at the port;
- Shorten the distance of manual transportation of materials back and forth, which can shorten the loading and unloading time of goods, reduce labor intensity, reduce damage to goods, reduce loading and unloading costs, and improve the efficiency of unloading operations.



3、Specification

Section Number	Model	Fixed Length	Extenable Length	Total Length	Belt Width	Height
二节	WP-SS-2-3/2	3000	2000	5000	800	800
	WP-SS-2-5/3	5000	3000	8000	800	800
	WP-SS-2-6/4	6000	4000	10000	800	800
三节	WP-SS-3-5/7	5000	7000	12000	800	800
	WP-SS-3-6/8	6000	8000	14000	800	800
	WP-SS-3-7/9	7000	9000	16000	800	800
四节	WP-SS-4-6/12	6000	12000	18000	800	850
	WP-SS-4-7/14	7000	14000	21000	800	850
	WP-SS-4-8/17	8000	17000	25000	800	850
五节	WP-SS-5-6/16	6000	16000	22000	800	900
	WP-SS-5-7/17	7000	17000	24000	800	900

4、Application

Widely used in e-commerce, logistics, express delivery, medicine, books, cartons, tobacco, shoes and clothing, maternal and child, fresh cold chain, drinks and beverages and other industries, cross-border e-commerce, factory assembly lines, smart cloud warehouses, warehouse access Libraries, etc.

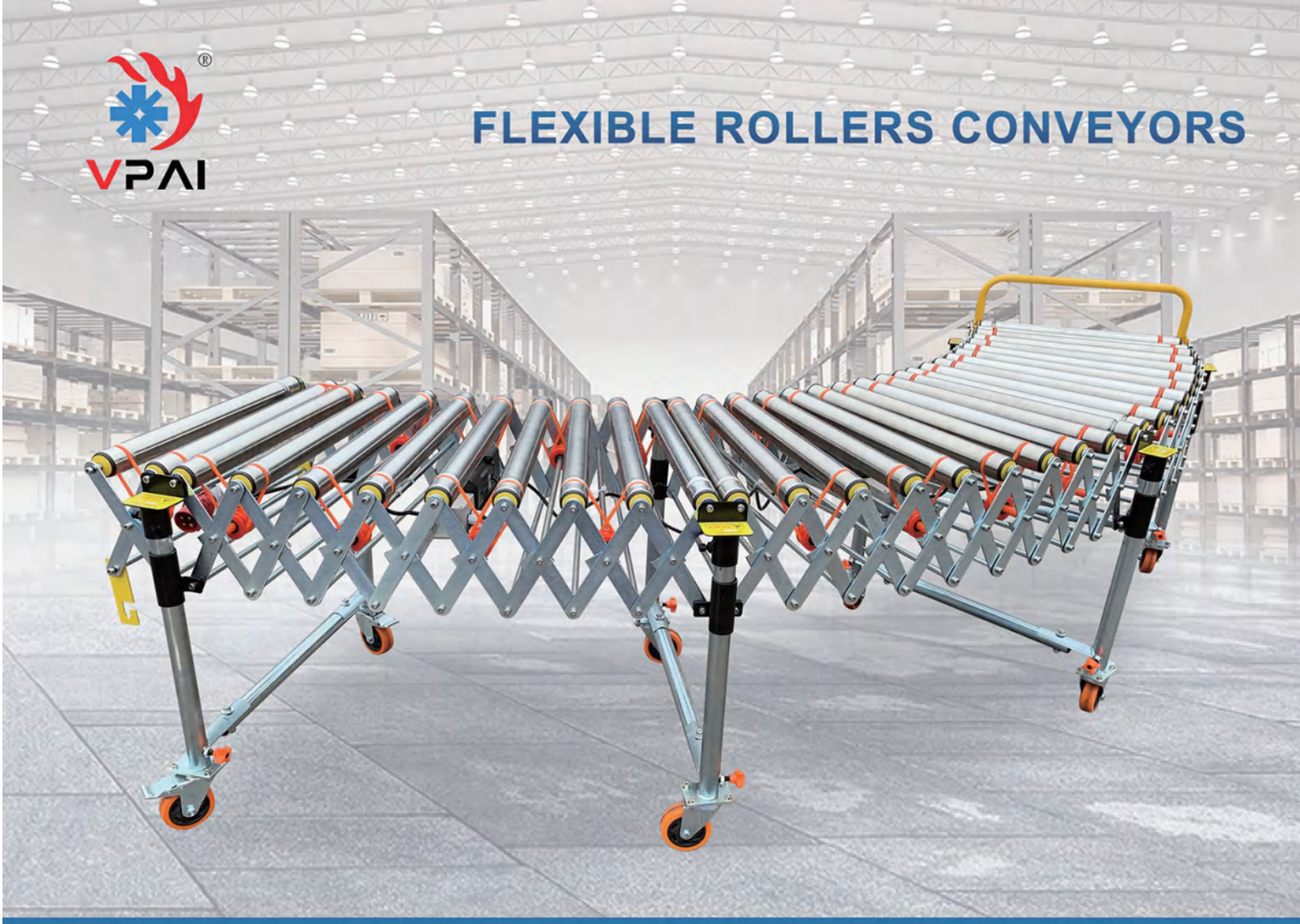





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FLEXIBLE ROLLERS CONVEYORS



Flexible roller conveyor line, with multi-species common line flow conveying, large conveying capacity, large load-bearing, high efficiency and speed, light operation characteristics. In the material conveying, processing, sorting, packaging, storage and other production links, to meet the light industrial automation of material transportation needs. It is an essential equipment for parcel transportation in express logistics.

1、Product Advantages

Space Saving
Space-saving small footprint, adjustable length, flexible layout, can be customized according to needs

360°Arbitrary Rotation
Arbitrary bending, angle adjustment, to meet the needs of different scenarios.

Improve Labor Intensity
Reduce labor, long conveying distance, simple structure, can be used in combination with a variety of equipment

Reduce the Damage Rate of Goods
Simple operation, safe and reliable, enhancing the safety of product transportation.

Conveying Goods Diversity
Applicable to all kinds of boxes, bags, pallets and other pieces of goods conveyor, bulk materials, small items, etc.

Brand Components
Adopt well-known brand motors, drives, controllers, bearings, high stability, minimum maintenance cost.

2、 Product Series

Unpowered Feasible Rollers Conveyors

Use of the scene: easy to move, and equipped with universal casters and brakes, convenient to use in a variety of different indoor and outdoor places into the field of unloading: the use of height difference, suitable for small and large workshops, organic farms, restaurants, logistics and distribution, supermarkets, food processing plants, warehousing and other into the unloading of the trucks

Item	Parameters		
Width	Width of effective cylinder conveying surface (not including leg width) : 500, 600, 800 optional (1000, 1200 can be customized)		
Height	Height range :450-650, 570-850, 750-1100, 950-1350 optional		
Unit Load	Static load:60KG/M		
Expansion Plate	The thickness is 3.8mm, steel plate stamping parts, bolt links, can increase the load bearing force, surface electroscopes treatment, no power expansion line without limit piece		
Casters/Frames	Caster: universal brake caster	Frame: carbon steel (galvanized + electroscopic), stainless steel	
Unpowered Rollers	Material: Stainless steel, galvanized optional	Specifications: pipe surface Φ50*t1.2, Φ12	
Model Selection	Expansion ratio :0.52:1	Expansion ratio :0.52:1.25	Expansion ratio :0.52:1.5
	Max.unfold length:1000mm	Max. unfold length :1250mm	Max. unfold length :1500mm
	Minimum fold length :520mm	Minimum fold length :520mm	Minimum fold length :520mm
	Maximum center distance of rollers :100mm	Maximum center distance of rollers :125mm	Maximum center distance of rollers :150mm
	-10 rollers per unit	10 rollers per unit	10 rollers per unit
	-One unit 2 pairs of legs	One unit 2 pairs of legs	One unit 2 pairs of legs



3、 Application Scene

Widely used in all kinds of bags, courier, parcels, food, barrel water, beverage, electronics, tobacco, medicine, small items or irregular items need to be placed on the pallet or in the turnover box conveyor.






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Multi Wedge Belt Power Foldable Roller Conveyor

Application: Suitable for conveying all kinds of box and bottom smooth goods, can be perfectly combined with climbing machine to form a complete logistics conveying line.

Field:Express express transportation, logistics warehousing, in and out of the warehouse loading and unloading trucks, tobacco, food industry.

Item	Parameters		
Width	Width of effective cylinder conveying surface (not including leg width) : 500, 600, 800 optional (1000, 1200 can be customized)		
Height	Height range :450-550, 600-850, 750-1100 optional		
Expansion Plate	The thickness is 3.8mm, steel plate stamping parts, bolt links, can increase the load bearing force, surface electrophoresis treatment.		
Unit Load	Static load :120-140KG/M	Dynamic load :60-80KG/M	
Casters/Frames	Caster: universal brake caste	Frame: carbon steel (galvanized + electrophoretic), stainless steel	
Multi-wedge Rollers	Material: Stainless steel, galvanized optional	Specifications: pipe surface Φ50*t1.2, Φ12	
Model Selection	Expansion ratio :0.53:1	Expansion ratio :0.53:1.25	Expansion ratio :0.74:2
	Max.unfold length:1000mm	Max. unfold length :1250mm	Maximum length :2000mm
	Minimum fold length :530mm	Minimum fold length :530mm	Minimum shrinkage length :740mm
	Maximum center distance of rollers :100mm	Maximum center distance of rollers :125mm	Maximum center distance of drum :150mm
	10 rollers per unit	10 rollers per unit	14 rollers per unit
	One unit 2 pairs of legs	One unit 2 pairs of legs	One unit 3 pairs of legs









Foley Wheel Foldable Conveyor

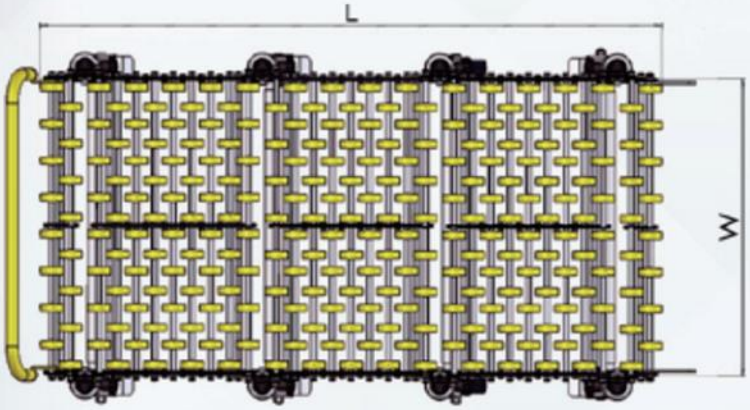
Application: With universal casters and brakes, easy to use in different indoor and outdoor places for unloading and loading.

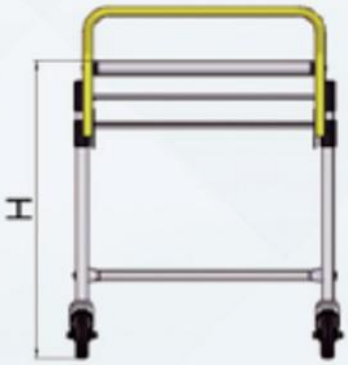
Field: Utilizing the height difference, suitable for loading and unloading boxes and goods with smooth bottom into the warehouse to unload trucks.

Item	Parameters		
Width	Effective conveying surface width (not including leg width): 500, 600, 800 optional (1000, 1200 can be customized, delivery time longer)		
Height	Height range :450-650, 570-850, 750-1100, 950-1600 optional		
Unit Load	Static load :30KG/M		
Foley wheel roller	High carbon steel galvanized roller		
Model Selection	Expansion ratio :0.3:1	Expansion ratio :0.3:1.25	Expansion ratio :0.3:1.5
	Center distance :100mm	Center distance :125mm	Center distance :150mm
	Width 500mm	Width 600mm	Width 800mm
	6 Foley wheels in a row	8 Foley wheels in a row	10 Foley wheels in a row
	One unit 9 rows of rollers	One unit 9 rows of rollers	One unit 9 rows of rollers
	One unit 2 pairs of legs	One unit 2 pairs of legs	One unit 2 pairs of legs









FLAT BELT CONVEYOR



The flat belt conveyor can be customized according to the requirements from customers in different industies. Various opearation modes such as continous operation, beat opeation and speed can be set. There is no relative movement between materials and belt conveyor which can aviod the demage to the conveyed materials. The noise is small, suitable for relatively quiet working environment for the occasion demand.

1、Product Advantages

Space Saving
Small footprint, oil resistance, corrosion resistance, electrostatic resistance and other special requirements of the conveying.

Improve Conveying Efficiency
It can maintain continuous conveying of goods and operate 24 hours a day.

Improve Labor Intensity
Reduce labor, long conveying distance, simple structure, can be used in combination with a variety of equipments.

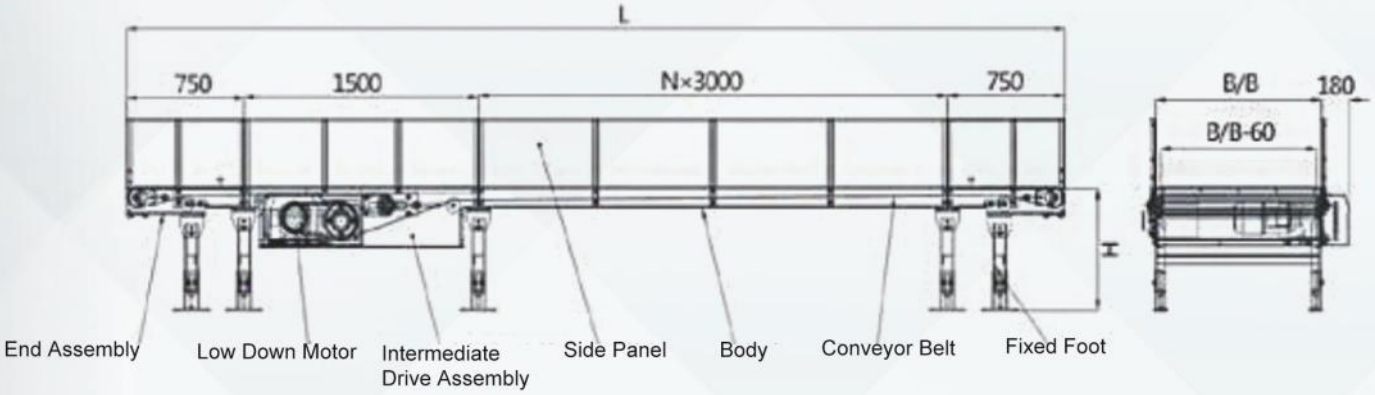
Reduce the Damage Rate of Goods
Simple operation, safe and reliable, enhancing the safety of product conveying.

Variety of Conveyed Items
Applicable to all kinds of cartons, woven bags, express parcels, food, tobacco, electronics, etc.

Brand Components
Adopt well-known brand motors, drives, controllers, bearings, high stability, minimum maintenance cost.

2、Working Drawing

- The time occupied by maintenance personnel is less, the maintenance and replacement of fewer parts can be completed quickly on site, and the maintenance cost is low;
- The belt conveyor can be loaded at one or more points acording to the process requirements, and vice verse, it can also be unloaded at multiple points or sections;
- There are various kinds of materials that can be conveyed, not only can convey various bulk materials, but also can convey various light weight products such as cartons and packaging bags.



3、Technical Parameter

Main Components	Parameter	Main Components	Parameter
Power	220V50HZ 380V50HZ(Customized)	Standard Belt	PVK Belt
Standard Motor	CBGmotor/Chengming	Belt Thickness	3.0mm
Power	0.75kw/1.5kw/2.2kw	Belt Width	800mm
Optimal Motor	SEW/Nord	Conveyor Speed	15-25M/Min
Optimal Frequency Converter	Schneider	Load Capacity	60kg/m
Belt Width Can be Customized	50-120cm	Optimal Belt	Forbo/YLPD Belt

4、Application

Widely used in various industries such as logistics, express delivery, home appliances, electronics, electrical appliances, machinery, tobacco, printing, food, assembly line,etc.






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CLIMBING BELT CONVEYOR



The climbing belt conveyor is a kind of belt line. Through it, materials can be transported from the initial supply point to the unloading point, and it can cooperate with the production process of the enterprise to improve the production efficiency of the enterprise. There is no mutual movement between the material and the conveyor belt, which can avoid damage to the conveyed material and the noise is low, which is suitable for occasions where the working environment requires a relatively quiet environment.

1、Product Advantages

Save Space
Small footprint, oil-resistant, corrosion-resistant, static-resistant and other special requirements for transportation.

Improve Conveying Efficiency
It can maintain continuous conveying of goods and operate 24 hours a day.

Reduce Labor Intensity
Reduce labor force, long conveying distance, simple structure, and can be used in combination with multiple euqipments.

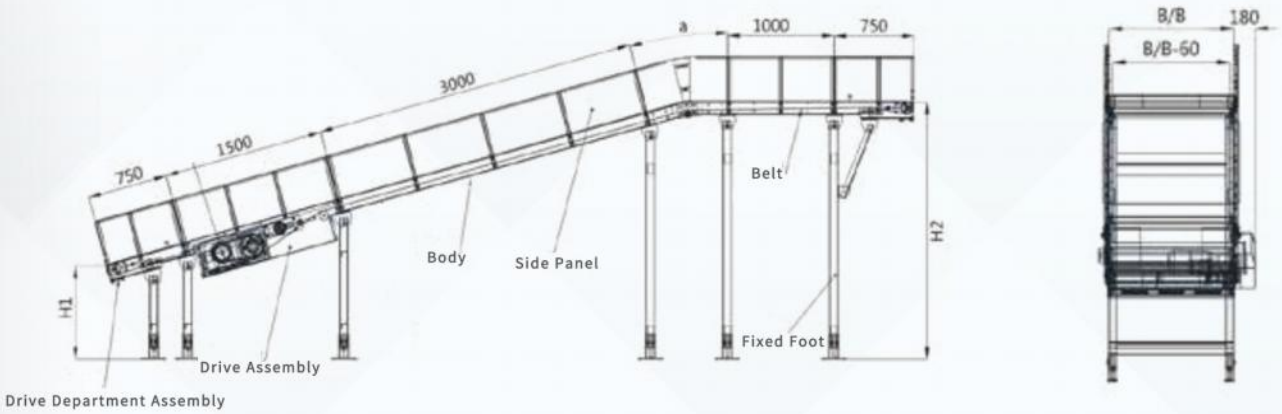
Reduce Cargo Damage Rate
The operation is simple, safe and reliable, which enhances the safety of product conveying.

Variety of Conveyed Items
Applicable to all kinds of cartons, woven bags, express parcels, food, tobacco, electronics, etc.

Brand Parts
Using well-known brand motors,drives,controllers, bearings,high stability and low maintenance costs.

2、Working Drawing

- The time occupied by maintenance personnel is less, the maintenance and replacement of fewer parts can be completed quickly on site, and the maintenance cost is low;
- The belt conveyor can be loaded at one or more points acording to the process requirements, and vice verse, it can also be unloaded at multiple points or sections;
- There are various kinds of materials that can be conveyed, not only can convey various bulk materials, but also can convey various light weight products such as cartons and packaging bags.



3、Specification

Main Components	Parameter	Main Components	Parameter
Power	220V50HZ 380V50HZ(Customizable)	Standard Belt	Ordinary PVK Belt
Standard Motor	Taibang, Zhengming	Belt Thickness	3.0mm
Motor Power	0.75kw,1.5kw,2.2kw	Belt Width	800mm
Optimal Motor	SEW Motor/Nord Motor	Conveyor Speed	15-25m/min
Excellent Frequency Converter	Schneider Inverter	Load Capacity	60kg/㎡
Custom Belt Widths Available	50-120cm	Excellent Belt	Siegling/Wynn Belt

4、Application

Widely used in various industries such as logistics, express delivery, home appliances, electrionics, electrical appliances, machinery, tobacco, printing, food, assembly line,etc.






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CURVED BELT CONVEYOR



The curved belt conveyor with its characteristics of high efficiency and smooth delivery. It can convey kind of materials, not only bulk of materials, but also assembly and various light duty products such as cartons and packaging bags . There is no relative movement between materials and belt conveyor which can aviod the demage to the conveyed materials. The noise is small, suitable for relatively quiet working environment for the occasion demand.

1、Product Advantages

Space Saving
Small footprint, oil resistance, corrosion resistance, electrostatic resistance and other special requirements of the conveying.

Improve Conveying Efficiency
It can maintain continuous conveying of goods and operate 24 hours a day.

Improve Labor Intensity
Reduce labor, long conveying distance, simple structure, can be used in combination with a variety of equipments.

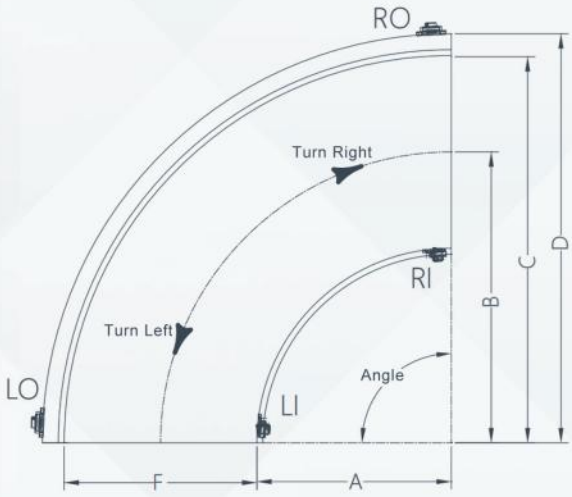
Reduce the Damage Rate of Goods
Simple operation, safe and reliable, enhancing the safety of product conveying.

Variety of Conveyed Items
Applicable to all kinds of cartons, woven bags, express parcels, food, tobacco, electronics, etc.

Brand Components
Adopt well-known brand motors, drives, controllers, bearings, high stability, minimum maintenance cost.

2、Working Drawing

- The belt is reversible, it can save the time of loading goods, reduce labor intensity, and reduce the cargo demage rate;
- The weight of the conveyed material can reach hundreds of kilograms, the length of the delivery can reach 40-80 meters, and the inclined conveying of 25 degrees is allowed;
- Convenient for disassembly and transportation, it can be used repeatedly for a long time, the system is simplified, the malfunciton rate is low, the people are saved, the energy is saved, the maintenance cost is low, and the economic benefits are remarkable;





Represent the position selection of the drive shaft

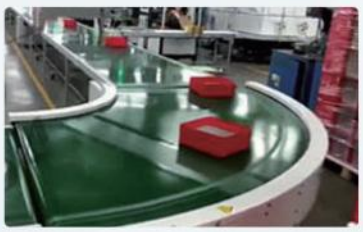
3、Specification

Main Components	Parameter	Main Components	Parameter
Standard Motor	CBGmotor/Chengming	Conveyor Speed	25-45m/min
Standard Frequency Converter	Delta/KeWo	Conveyor Power	400w/750W/1500W
Excenllent Belt	PVK Belt	Optimal Belt	Forbo/YLPD/Ammeraal Belt
Optimal Motor	SEW/Nord	Dynamic Load	≤60kg/m²
Optimal Frequency Converter	Schneider	Static Load	≤100kg/m²
Curved Angle	30°45°60°90°180°(can be customized)	Application	Express, food, electric industries etc.

4、Application

Widely used in various industries such as logistics, express delivery, home appliances, electrionics, electrical appliances, machinery, tobacco, printing, food, assembly line,etc.



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ROLLER CONVEYOR



Roller conveyors, often used in horizontal or upward slightly inclined conveyor lines. A number of roller lines and other conveying equipment or special aircraft can be used to form a complex logistics conveying system to complete various process needs. Stacking rollers can be used to realize the accumulation and transportation of materials. The roller conveyor has the advantages of simple structure, high reliability and convenient maintenance

1、Product Advantages

Save Space
Small footprint, flexible layout, can be customized according to customer needs.

Improve Delivery Efficiency
Can maintain continuous delivery of goods, 24 hours uninterrupted operation

Improve Labor Intensity
Reduce labor, smooth transmission, simple structure, can be combined with a variety of equipment use

Reduce Cargo Damage Rate
The operation is simple, safe and reliable, which enhances the safety of product transportation

Delivery Diversity
Suitable for all kinds of boxes, bags, pallets and other goods transportation, bulk materials, small items, etc

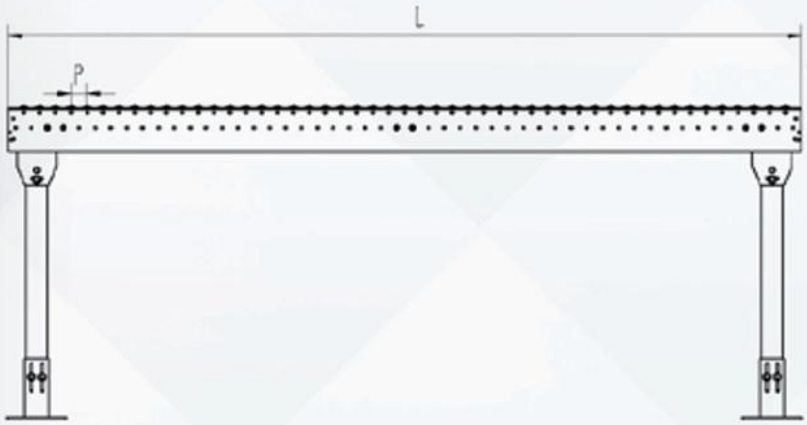
Branded Parts
Adopt well-known brand motor, driver, controller, bearing, high stability, low maintenance cost.

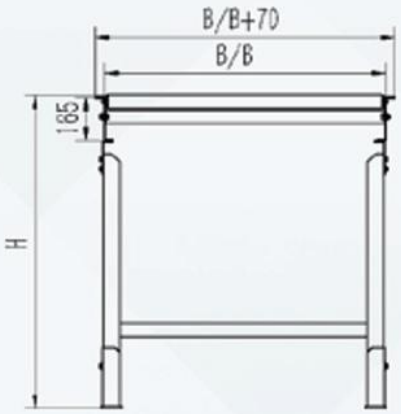
2、Product Line

Unpowered roller conveyor

Simple and flexible, labor-saving, economical and practical, the goods rely on manpower or a certain tilt Angle relying on the gravity of the goods themselves to slide transport. Suitable for indoor environment, light load. Used for bottom leveling, and box type cargo transportation

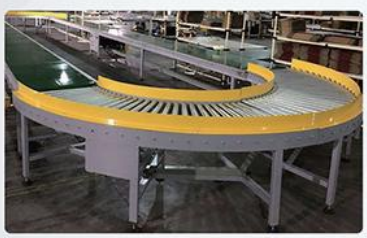
Model No.	Parameter
Fuselage material	Aluminum profile, carbon steel, stainless steel 201/304/316
Roller material	Galvanized pipe　stainless steel 201/304/316
rolling diameter	25mm、38mm、50mm、60mm、76mm、89mm
Drum spacing	Adjust according to product
Effective drum width	Conventional 200mm-2000mm (special customizable)
Conveyor length	Each module Max 2500mm (can be stacked), can be customized according to requirements
load	Less than 2000KG





3、Application Scenarios

Widely used in all kinds of bags, express, parcels, food, bottled water, beverages, electronics, tobacco, medicine, small items or irregular items need to be placed on the tray or turnover box delivery









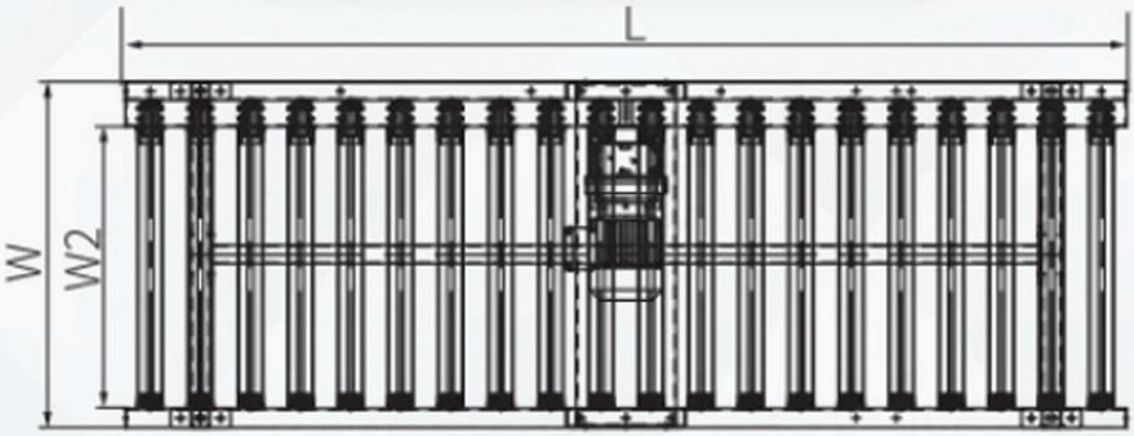
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Power Roller Conveyor

Model No.		Parameter		
Type		Double Sprocket, Single Chain Wheel, 0 Belt, Synchronous Belt, Multi-wedge Belt		
Power		AC220V/ AC380V		
Motor Output (KW)		0.2KW、0.4KW、0.75KW、1.5KW、2.2KWgear motor		
Frame Material		Aluminum profile AL, Carbon Steel CS, Stainless Steel SUS		
Roller Material	Tube	Galvanized Pipe, Stainless Steel 201/304/316		
	Chain Gear	Galvanized, Stainless Steel, Plastic steel		
Roller Diameter		38 50 60 76 89		
Roller Interval		Adjust According to Product		
Effective Roller Width		Conventional 200-2000mm (Customizable)		
Conveyor Width		Conventional 200mm-2000mm (Special Customizable)		
Conveyor Length		Chain Wheel	o-ring type	Synchronous Belt, Multi-wedge Belt
		Load 50Kg/ Piece ≤6 meters	10kg ≤3 Meters	≤50Kg 2.5m
		50Kg/ Piece ≤3 Meters		



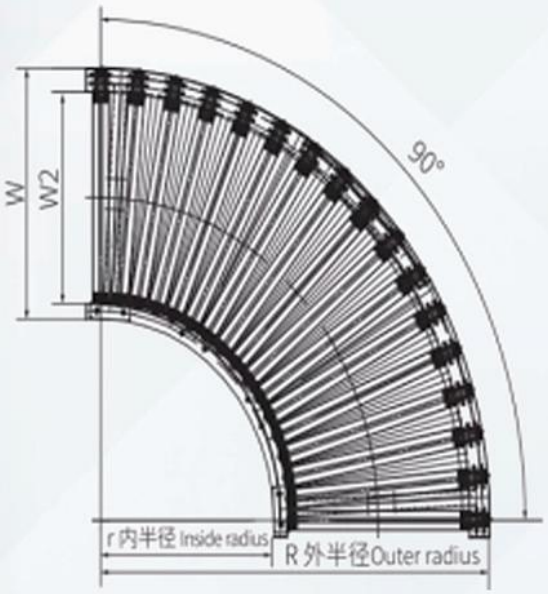


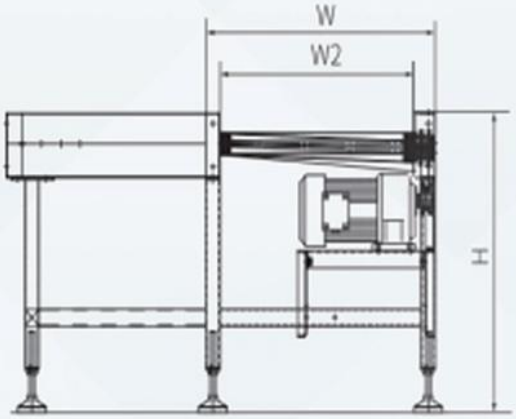
Turning Power Roller Delivery

Model No.		Parameter
Type		Double Sprocket, 0 Belt, Multi Wedge Belt
Power		AC220V/ AC380V
Motor Output (KW)		0.2KW、0.4KW、0.75KW、1.5KW、2.2KW gear motor
Frame Material		Carbon Steel CS, Stainless Steel SUS
Roller Material	Tube	Galvanized Pipe, Stainless Steel 201/304/316
	Chain Gear	Galvanized, Stainless Steel, Plastic Steel
Roller Diameter		25 38 50 60 76 89
Roller Interval		Adjust According to Product
Effective Roller Width		Conventional 300-2000mm (Customizable)
Width of Conveyor		Conventional 350mm-2000mm (Special can be customized)
Degree of Turning		45°、60°、90°、180°
Conveyor Height		≥500mm
Speed (m/min)		Chain type <30 Meters Synchronous Belt, Multi-chock Belt ≤60 Meters
Load Capacity(kg/m)		Conventional ≤1000kg
Direction of Transportation		Clockwise R, Counterclockwise L









BALANCE WHEEL SORTER



Intelligent balance wheel sorter, single electric balance wheel sorter, disc module sorter, also known as balance wheel sorter, roller sorter, guide wheel sorter. According to the control of the front-end management programming system, the passing goods can be automatically sorted or merged according to the region, customer channel, SKU, express company, etc., so that the goods can be transferred in an orderly and continuous manner. Mass sorting reduces the labor intensity of personnel and improves efficiency.

1、Product Advantages

Safety of goods
Reduce the impact force, the traditional swing arm shunt has a large impact on the goods

High sorting efficiency
It can realize confluence, diversion and sorting, which is fast, accurate, efficient and reasonable

High applicability
By increasing or decreasing the number of power guide wheel arrays and steering modules,sorting of items of different lengths can be realized

Reduce miss rate
Intelligent automatic sorting function to avoid mistakes and replace personnel sorting

Design detail
Add bull's-eye bearings, soft corner treatment, electroplating anti-rust treatment, rubber-coated anti-skid treatment, etc.

Brand Parts
Using well-known brand motors, drivers, controllers, bearings, high stability and low maintenance costs.

2、Product Series

Intelligent balance wheel sorter

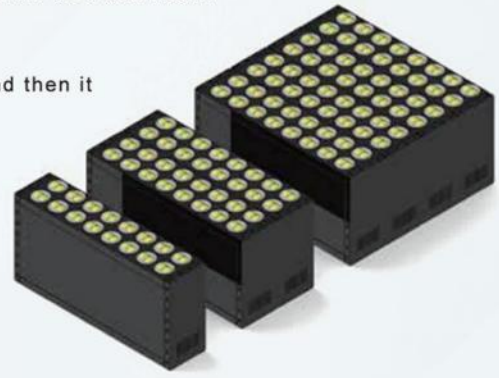
Matrix layout, suitable for small and medium-sized parcels, intelligent correction, no deviation, flexible layout can be linear, circular, double-layer, triangular layout; modular, can add grids arbitrarily, easy to operate.

WP-BL-M	parameter M1	parameter M2
length(mm)	550,Can be spliced seamlessly	550,Can be spliced seamlessly
width(mm)	460,Can be spliced seamlessly	550,Can be spliced seamlessly
height(mm)	260	260
Maximum conveying speed (mm/s)	2200	2200
Maximum throughput (pcs/h)	3000-4500	3000-4500
Maximum sorting load (Kg)	40	40
Maximum sorting object (mm)	Customized	Customized
Minimum sorting object (mm)	100x100	100x100
Maximum balance wheel angle	+/- 55	+/- 55
Balance angle control	3 sets of independent servo control	4 sets of independent servo control
Speed control method	3 sets of positive and negative variable speed	4 sets of positive and negative variable speed
Electric eye detection	38 groups	55 groups
Straight path intelligent correction	Yes	Yes
Custom path	20 groups	20 groups
Advanced second connection head	Yes	Yes
RGB LED light interface	Optional	Optional
PLC control interface	Optional	Only PLC control





- A single module weighs 39kg, with 6 built-in servo motors, independent on-board chips, and 38 tracking and positioning optical eyes to track the goods in real time and in all directions.
- Original instant connection technology (only one data line and one power line between two modules), external 220V power supply, household appliances plug and play.
- The size can be divided, the maximum load can reach 40kg, and the maximum size can reach 100cm*60cm (determined according to the width of the grid).
- The grid width can be adjusted at will, the minimum grid width is 55cm, and then it can be increased infinitely with 18cm as a unit.
- Small footprint, about 40 square meters for a 50-block ancient land
- Ultra-low energy consumption, 50 grids consume about 10 degrees per hour



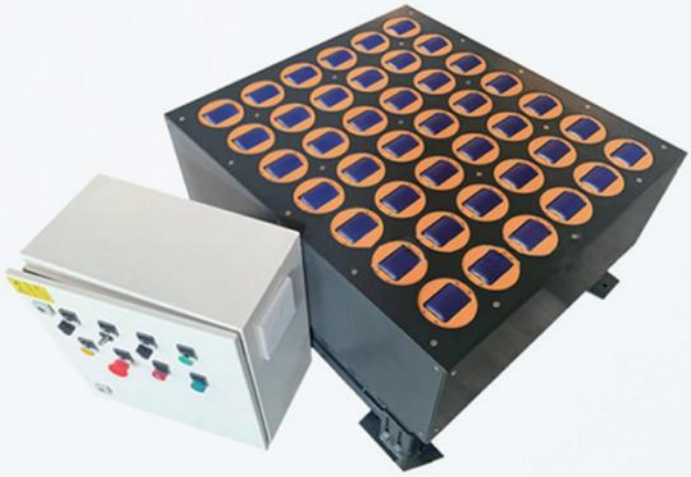
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Single electric balance wheel sorter

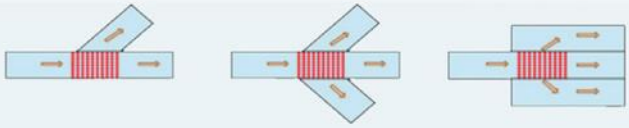
Model No.	WP-BL-D600	WP-BL-D700	WP-BL-D800
Specification	L596mm*W572mm	L706mm*W682mm	L792mm*W816mm
Minimum sorting	150*90*20mm	150*90*20mm	150*90*20mm
Maximum sorting	550*550*400mm	650*650*400mm	750*750*400mm
Max Loading Weight	40kg	40kg	40kg
Model No.	WP-BL-D900	WP-BL-D1000	WP-BL-D1100
Specification	L1036mm*W902mm	L1036mm*W1012mm	L1090mm*W1010mm
Maximum sorting	900*900*600mm	1000*1000*600mm	1000*1000*600mm
Minimum sorting	150*90*20mm	150*90*20mm	150*90*20mm
Max Loading Weight	80kg	80kg	80kg
Equipment height	customized	customized	customized
Running speed Average	1.0-2.5m/s	1.0-2.5m/s	1.0-2.5m/s
Noise	<70dB	<70dB	<70dB
Drive	Delta motor 0.75kw+ Modi electric roller	Delta motor 0.75kw+ Modi electric roller	Delta motor 0.75kw+ Modi electric roller
Throughput	4000-5000pcs/h	4000-5000pcs/h	4000-5000pcs/h



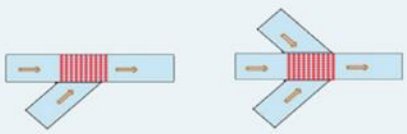


3、Diagram Form

Separate



Merge



4、Working Environment

- Operating temperature: 5℃～+40℃
- Relative humidity: 30%～90% (no condensation)
- Temperature change: ≤±10℃/h
- Earthing: AC power supply grounding resistance ≤4Ω
- Power line: Single-phase three-wire system, 220V,50HZ

Disk module balance wheel sorter

Model No.	WP-BL-Y500	WP-BL-Y600	WP-BL-Y700	WP-BL-Y800
Specification	L596mm*W572mm*H750	L630*W680*H750	L830*W880*H750	L1030*W880*H750
Minimum sorting	150*90*20mm	150*90*20mm	150*90*20mm	150*90*20mm
Maximum sorting	550*550*400mm	650*650*400mm	750*750*400mm	800*750*500mm
Max Loading Weight	60kg	60kg	60kg	60kg
Model No.	WP-BL-Y900	WP-BL-Y1000	WP-BL-Y1100	WP-BL-Y1200
Specification	L1230*W1080*H750	L1230*W1080*H750	L1030*W1280*H750	L1230*W1280*H750
Maximum sorting	900*900*600mm	1000*1000*600mm	1000*1000*600mm	1100*1100*600mm
Minimum sorting	150*90*20mm	150*90*20mm	150*90*20mm	150*90*20mm
Max Loading Weight	80kg	80kg	80kg	80kg
Equipment height	customized	customized	customized	customized
Running speed	1.0-2.5m/s	1.0-2.5m/s	1.0-2.5m/s	1.0-2.5m/s
Noise	<70dB	<70dB	<70dB	<70dB
Drive	Delta motor 0.75kw+ Modi electric roller		Delta motor 0.75kw+ Modi electric roller	
Throughput	5000-6000pcs/h	5000-6000pcs/h	5000-6000pcs/h	5000-6000pcs/h
Angle	30° 45° 90°	30° 45° 90°	30° 45° 90°	30° 45° 90°





5、Product Application

Widely used in the sorting of items in e-commerce, logistics, express delivery, medicine, books, tobacco, shoes and clothing, mother and baby, fresh cold chain, drinks and beverages, e-commerce storage sorting, express delivery distribution center sorting, factory warehouse sorting, warehouse merging and distributing, etc.









DIMENSION WEIGHT SCANNING (DWS) SYSTEMS



DWS scanning code weighing volume measurement machine, mainly set high-speed scanning code, weighing, shooting, photography in one. It improves the efficiency of logistics and express transfer field, thus reducing the cost. The equipment is beautiful, small, easy to move and so on. It is a kind of efficient equipment for scanning and weighing the barcode of the express and collecting the image of the object when the network sends and receives.

1、Product Advantages

- Measurable Irregularities
- Volume Measurement
- Manual/Automatic Code Scanning
- Voice Broadcast
- Hd Photo Forensics
- 99.9% Accuracy
- Measuring Speed 2s/ piece
- Data Upload
- Double-Screen Display
- The Platform Systems are Connected

2、Product Functions

- High time efficiency, cost-effective, low error, reduce labor costs, scanning speed operational efficiency greatly enhanced, high barcode recognition rate, high-definition camera image clarity.
- High precision, strong anti-interference ability, fast transmission speed, strong system stability; high maintainability, automatic alarm in case of failure, automatic system backup.
- Set weighing, scanning, size measurement, photo archive four major functions and integration, courier single number can be connected with the system uploaded to the courier system.

3、 Technical Parameters

Model Name	High-speed scanning code weighing volume measuring machine
Hardware	HD Code Sweeping Camera (DH-MV-SL4800-S5B0-16) + Handheld Code Sweeping Gun (Auxiliary Backup) (Customizable for 5 Side Sweeping and 6 Side Sweeping)
	Intelligent high precision dynamic scale
	Dynamic high-precision volume measurement assembly line (1mm grating infrared measurement and control technology)
	Industrial computer + LCD monitor + camera + light source + bracket
	Electric control (HeChuan / Mitsubishi / Siemens PLC), Schneider electric control components
	Non-powered roller cache section (1m)
Software	Image forensics photo software (color watermark + image archiving + barcode map)
	DWS supporting software
Service	Installation and commissioning + 1-year warranty + 24-hour full service response
Efficiency	Working efficiency :1200-2400 pieces/hour
Technical Parameter	Barcode Recognition Rate:>99.99
	Weighing range:0.1-50kg
	Weighing accuracy: ±20g
	Dimension measurement accuracy: average accuracy of flat parcel is 1mm, maximum error is 5mm.
	Cargo size (min):100*1010mm
	Cargo size (max):1200*800*800mm
Abnormal Alarms	Intercept abnormalities such as broken express sheets, unread express sheets, intercepted pieces, etc., and manually handle the abnormalities.

4、Application Scenarios

Broadly used in logistics, warehousing, e-commerce, cross-border transportation, manufacturing and other fields in and out of the warehouse information collection, data entry, real-time forensics, the real data of the goods traceable






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STATIC DWS SCANNING SYSTEM



The weighing and scanning code measuring all-in-one machine adopts advanced weighing technology and code scanning technology which can locate and recognize the QR code/bar code through the built-in high-speed industrial lens, making the overall logistics operation process easier, reducing costs, reducing errors and so on. It has the characteristics of high precision, high efficiency, high reliability which can meet the needs of express logistics companies for high-precision weighing and scanning codes.

1、Product Advantages

- Measure Irregular Items
- Accurate Milllimeter-Level Measurement
- Automatic Code Scanning
- Automatic Weighting
- HD Photo Storage
- Accurate Calculation of Freight Cost
- Measuring Speed: 1PC/2Sec
- Data Upload
- Placement at Any Position
- Support System Integrating of Various Platforms

2、Functions



- Dimensioning + weighting + scanning + capuring + system integrating. Record and sort the product more faster;
- Variety of bar codes can be recognized. High speed dynamic code reading.Accurate matching the cargo information;
- Weighing, code reading, measurment, capure photo data/ storage and upload photo, provide data interface, docking system;
- Support static/dynamic measurement mode, measuring up to 3000 pieces/hour;
- Simple structure, convenient installation and debugging, low maintenance cost;

3、Specification

Main Components	Parameter
Weighing Precision	±1g
Min Weight Measuring	50g
Min Dimension Measuring	Dimensions 50mm(L)*50mm(W)*1mm(H)
Max Weight Measuring	30Kg
Max Dimension Measuring	Dimensions 400mm(L)*400mm(W)*400mm(H)(other sizes customized)
Equipment Table Size	600mm*428mm(Size of belt)
Measuing Speed	One pc/1-3Sec
Shape of Measured Object	Regular/Irregular
Memory	Support Storage of each cargo photo
External Support	Windows system; Compatible with scanning code, weighing, printing; Data can be entered manually; Data interface to
Product Composition	interconnect with the system can be provided. (Display instrument, load sensor, data cable, power adapter); Measuring module(measuring lens, data cable); Computer Kit (21.5-inch Screen)
Usage	New product warehousing, recommended packaging, logistics warehousing management, accurate truck scheduling, freight settlement, etc

4、Application

Widely used in logistics, warehousing, e-commerce, cross-border transportation, manufacturing and other fields of inbound and outbound information collection, data entry, real-time forensics, the real data of goods can be traced.






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SPIRAL CONVEYOR



The Spiral conveyor is a kind of cargo lifting equipment with good lifting stability and wide application range. It is mainly used for the transmission of goods between height differences, and it forms a complete continuous lifting system with the import and export conveyor lines. The transportation is safe and reliable, with high efficiency and continuous transportation function. It is the equipment for vertical transportation of upper and lower floors. It can cooperate with the temporary storage, cooling or continuous handling up and down of the product in production, and the system of entering and exiting the warehouse.

1、Product Advantages

High conveying capacity

Good overall performance, stable quality, safe and reliable, long service life

Space-saving

Small footprint, high conveying efficiency, stable conveying, large transport volume, continuous conveying, etc.

Improving labor intensity

Minimize the manual work of moving up and down, and the materials can be conveyed upwards or downwards

Variety of conveying sizes

Conveying material length and width size range from 800 to 2900 mm; The conveying height is from 150 mm to 2400 mm

Simple and convenient combination

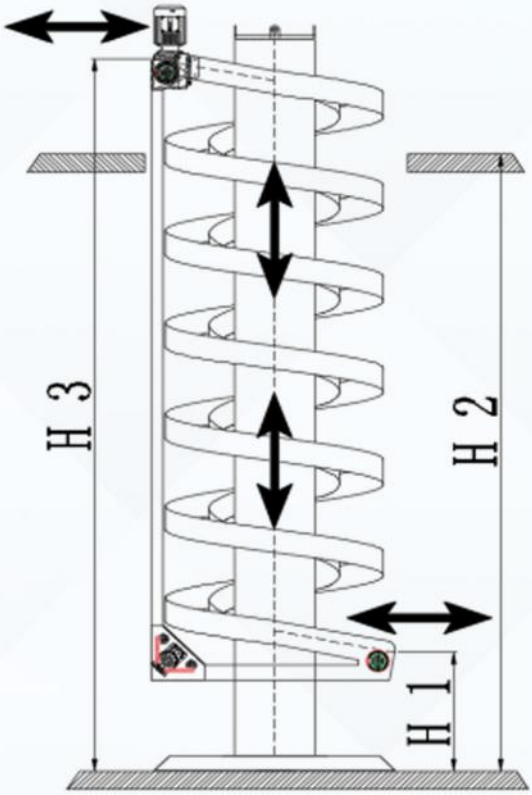
Rapid assembly, it tends to be more reasonable, simple, convenient to use and maintain

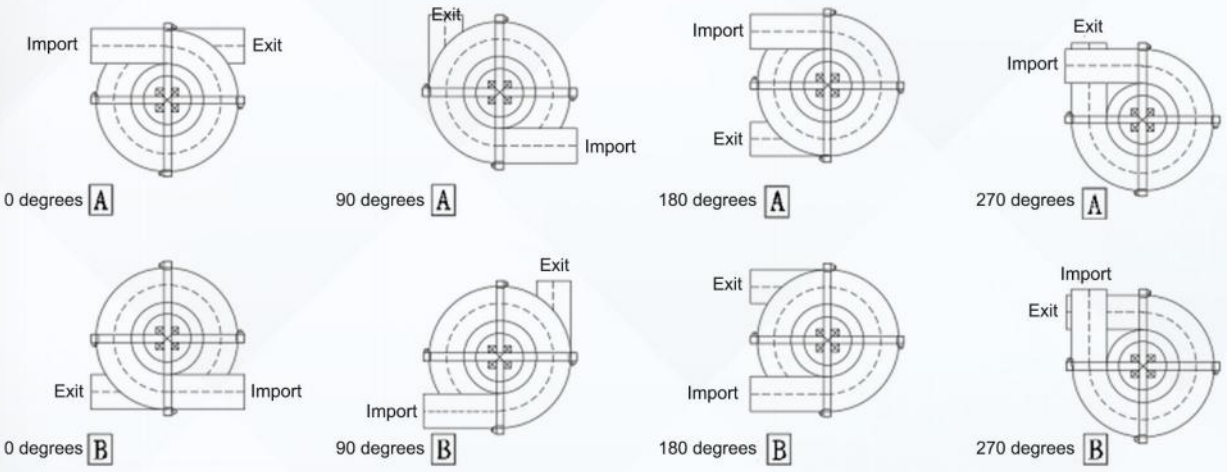
Energy saving and environmental protection

Smooth operation and cost savings are achieved with low power drives

2、Technical Parameters

Items	Parameters
Spiral conveyor dimensions	H1mm
Floor height dimension	H2mm
Spiral conveyor outlet dimensions	H3mm
Spiral conveyor chain plate size	320mm
Spiral conveyor chain plate size	406mm
Spiral conveyor chain plate size	500mm
Spiral conveyor chain plate size	609mm
Spiral conveyor chain plate size	700mm
Spiral conveyor cylinder size	carbon steel diameter D630mm
Spiral conveyor cylinder size	stainless steel diameter D480mm
Spiral conveyor outer guardrail	Carbon steel plastic spraying
Spiral conveyor outer guardrail	Stainless steel 304 material
Spiral conveyor speed	m/min
Spiral conveyor drive	SEW motor
Spiral conveyor control	Delta inverter





3、Application Scenarios

Widely used in beverage, beer, drug delivery lines, cigarettes, postal services, newspapers, printing, food, pharmaceuticals, logistics, electronic production lines, etc.






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