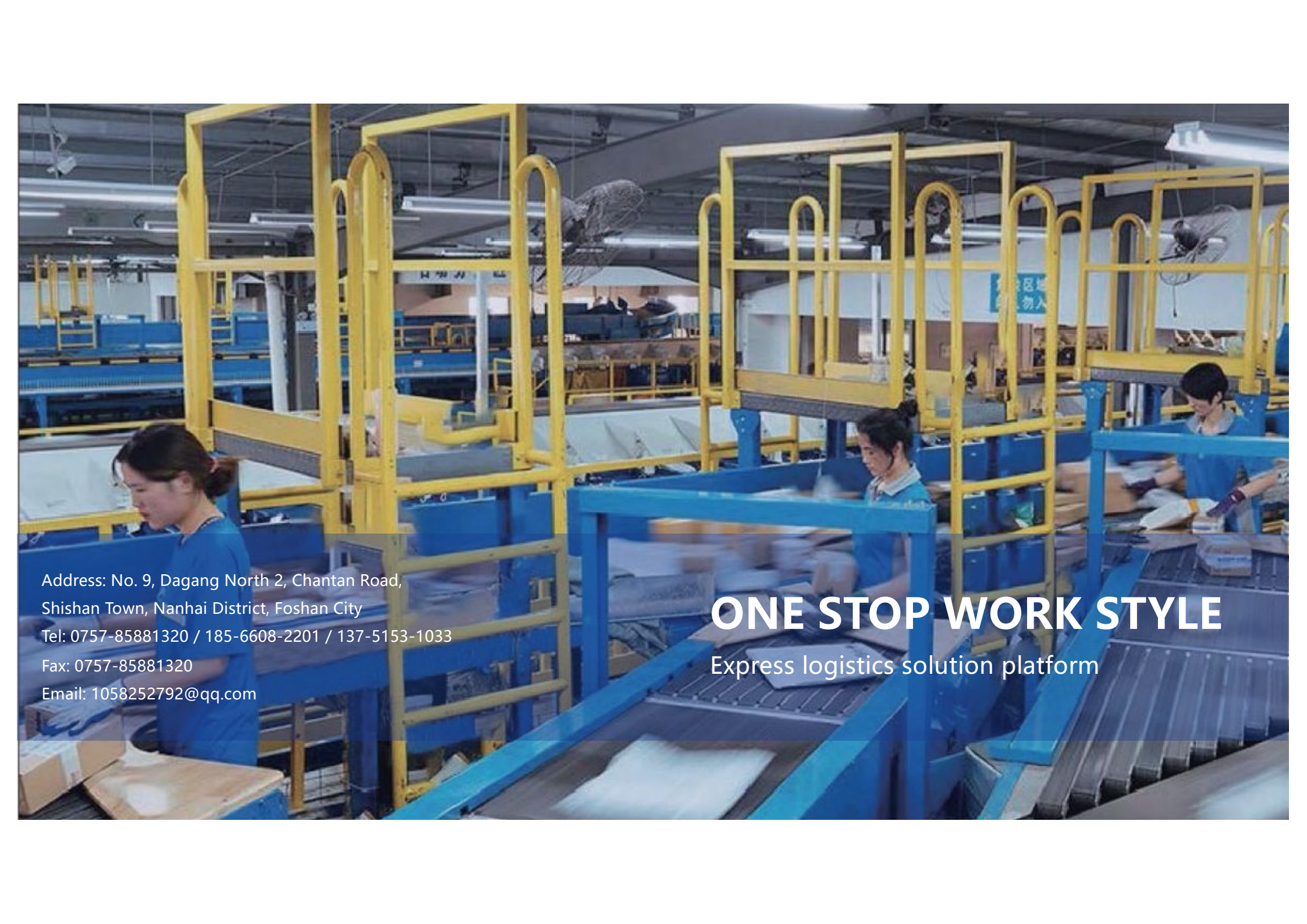


The background image shows a large industrial warehouse or factory floor. It features a complex system of yellow and blue metal frames, likely for automated sorting or packaging. Several workers in blue uniforms are visible, engaged in tasks. The floor is covered with various materials, including boxes and bags. The lighting is bright, typical of an industrial setting.

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ONE STOP WORK STYLE

Express logistics solution platform

ABOUT US

Guangdong Zeye Technology Co., Ltd. was incorporated in Foshan Nanhai Industry and Commerce Bureau on January 25, 2017, with a registered capital of 10.1 million yuan. While the company is growing and developing, we always provide customers with good products and good technical support. With sound after-sales service, our company mainly deals with software development; information system integration services; data processing and storage services; information technology consulting services; integrated circuit design; integrated circuit manufacturing; and continuous handling equipment manufacturing.



HONOR



泽业科技
ZEYE TECHNOLOGY



INTO THE WORLD OF ZEYE

Single-Deck Cross-Belt Sorting System

Double-layer Single-cart Sorting System

Single-layer Double-cart Sorting System

3-stage & 4-stage Induction Station

6-stage Induction Station & Dual Induction Station

Dynamic Weighing Induction Station

Automatic Induction Station & Large-item Automatic Induction Station

3D Sorter / Volumetric Sorter

Linear Sorting Induction System

Semi-automatic Linear Sorting Induction System

Fully Automatic Unmanned Feeding Line

De-stacking System / Overlap Removal System

Separation System

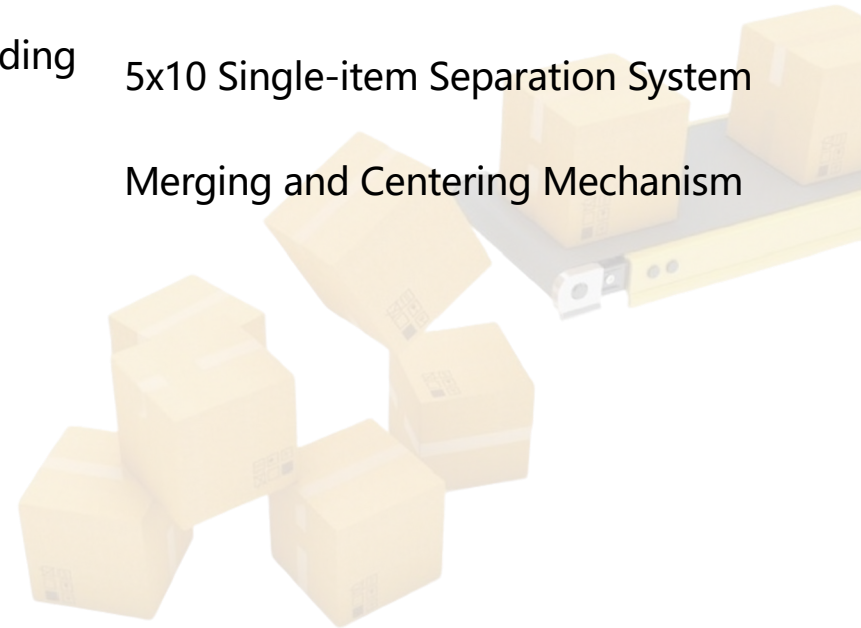
Dual-pack Removal Device

3x6 Single-item Separation System

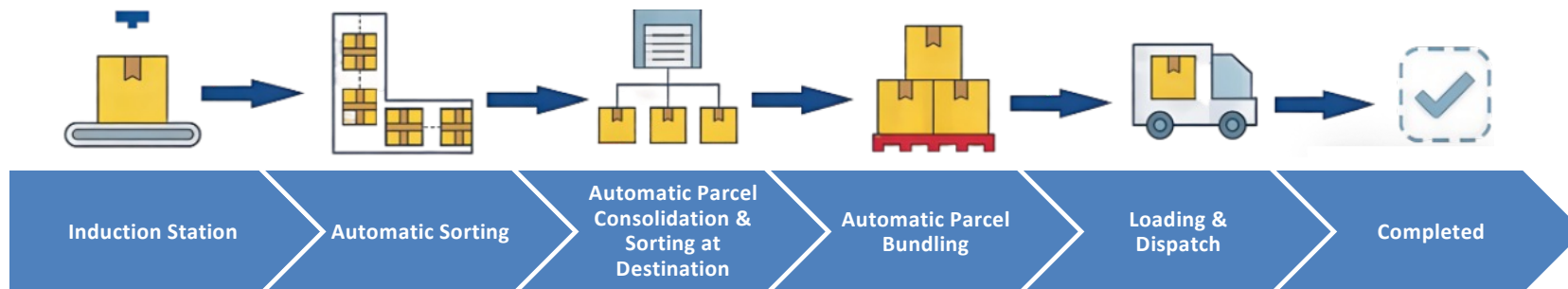
4x8 Single-item Separation System

5x10 Single-item Separation System

Merging and Centering Mechanism



Single-Deck Cross-Belt Sorting System



It mainly consists of four parts: the induction system, sorting carts, the unloading system, and the control system. Under the coordinated control of the control system, parcels are induced from the induction system onto the sorting carts for sorting, and the unloading system completes the physical classification and storage of the parcels, thereby achieving the parcel sorting function.

It adopts a modular assembly method for flexible configuration, adapting to various site requirements.

The single-layer, single-cart structure features a small footprint, low investment, and labor savings, making it suitable for shared use at network nodes for both inbound and outbound operations.

Sorting Capacity	15,000 – 30,000 parcels/hour
Operating Speed	2.0 – 2.4 m/s
Standard Pitch	600 mm
Barcode Recognition Rate	99.99%
Max Parcel Dimensions	≤ 420 × 650 × 400 mm
Cart Rated Load	0.05 – 5 kg
Footprint	800 – 1,500 m ²
Labor Requirement	10 – 30 personnel

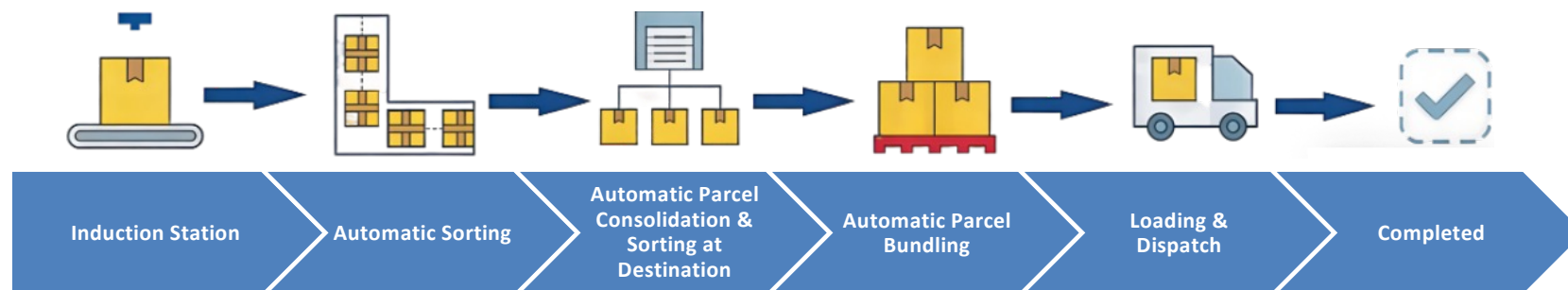
Single-Deck Cross-Belt Sorting System

System Advantage



1. Compact structure with a small footprint
2. High-precision code reading with integrated scanning and weighing to save time
3. Wide sorting range, high efficiency, and low mis-sort rate
4. Gentle sorting action with minimal impact on goods
5. Durable, low-noise, cost-effective, and easy to install and maintain
6. Highly adaptable with flexible configuration; capable of integrating with various customer information management systems and customizable functions based on user requirements

Dual-Deck Cross-Belt Sorting System

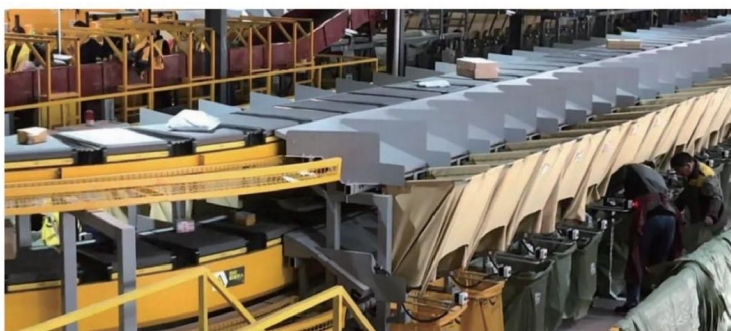


It mainly consists of four components: the induction system, sorting carts, the unloading system, and the control system. Under the coordinated control of the control system, parcels are inducted from the induction system onto the sorting carts for sorting. The unloading system then completes the physical classification and storage of the parcels, thereby achieving the parcel sorting function. It adopts a modular assembly approach for flexible configuration, allowing it to adapt to various site requirements.

Sorting Capacity	30,000 – 60,000 parcels/hour
Operating Speed	2.0 – 2.4 m/s
Standard Pitch	600 mm
Barcode Recognition Rate	99.99%
Max Parcel Dimensions	≤ 420 × 650 × 400 mm
Cart Rated Load	0.05 – 5 kg
Footprint	1,000 – 2,000 m ²
Height Requirement	Clear height of 5 m or more
Labor Requirement	30 – 60 personnel

Dual-Deck Cross-Belt Sorting System

System Advantage



The bagging mode of the double-layer single-cart system can be divided into **shared bagging and independent bagging**.

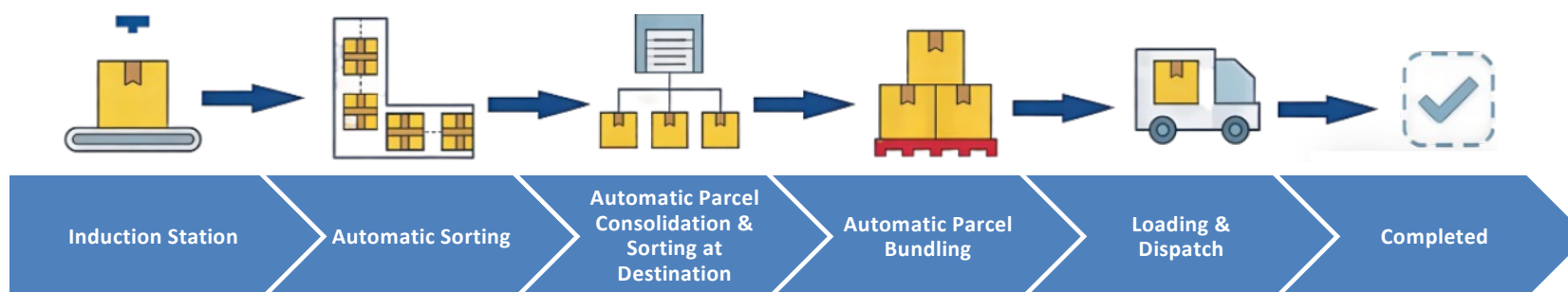
1. Shared Bagging Mode

Parcels on the upper-level chutes fall through fabric chutes into the collection bags at the corresponding lower-level chutes. This mode is suitable for stations with a majority of small parcels. By adding a small number of personnel to the staffing configuration of a single-layer single-cart sorter, operational efficiency can be nearly doubled.

2. Independent Bagging Mode

This mode utilizes existing vertical space by constructing a narrow upper platform (2 meters wide) with additional upper-level chutes, thereby nearly doubling sorting efficiency. It is suitable for stations with limited floor area but high cargo volume. Compared to shared bagging, this mode compensates for the shortage of chutes, offers faster bagging speeds, and prevents delays in bagging from affecting sorting efficiency.

Single-Deck Dual-Cart Sorting System



The system primarily consists of four core components: the induction system, sorting carts, discharge system, and control system. Under the coordinated management of the control system, parcels are fed from the induction system onto the sorting carts for transportation. The discharge system then completes the physical classification and storage of the parcels into their designated locations, thereby achieving automated sorting functionality.

Designed with a modular assembly approach, the system offers flexible configuration options to adapt to a wide variety of site layouts and operational requirements.

Sorting Capacity	30,000 – 60,000 parcels/hour
Operating Speed	2.0 – 2.4 m/s
Standard Pitch	600 mm
Barcode Recognition Rate	≥ 99.99%
Max. Parcel Dimensions	≤ 420 × 650 × 400 mm (L×W×H)
Rated Load per Cart	0.05 kg – 5 kg
Footprint Requirement	1,000 – 2,000 m ²
Labor Requirement	40 – 60 operators

Single-Deck Dual-Cart Sorting System

System Advantage

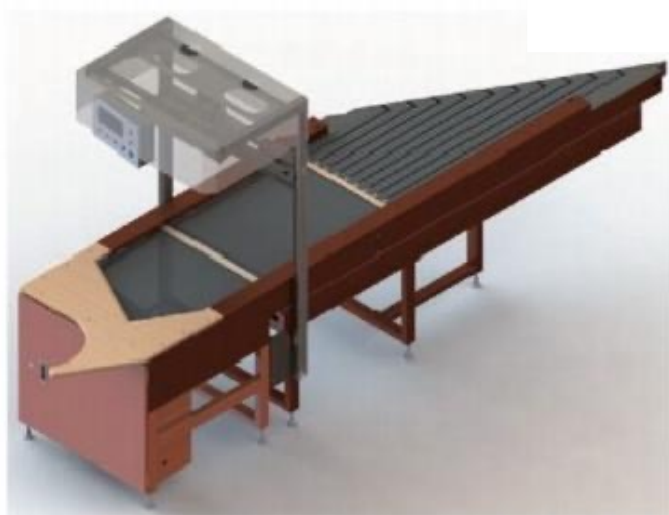


- **Flexible Application Scenarios**
Specifically designed for sites with limited floor area, low ceiling height, or constraints that prevent the installation of double-deck conveyor lines, effectively overcoming spatial limitations.
- **Dual-Cart Parallel Operation**
Features two sorting carts arranged in parallel, capable of transporting two parcels simultaneously, significantly increasing payload capacity per cycle.
- **Simultaneous Bi-directional Sorting**
Enables simultaneous discharge to both sides, greatly optimizing the sorting process to achieve higher throughput and superior sorting efficiency.
- **Cost Reduction & Efficiency Improvement**
While boosting operational efficiency, it effectively reduces reliance on manual labor, lowering staffing requirements and significantly cutting labor costs.

3-Stage & 4-Stage Induction Station

Key Features

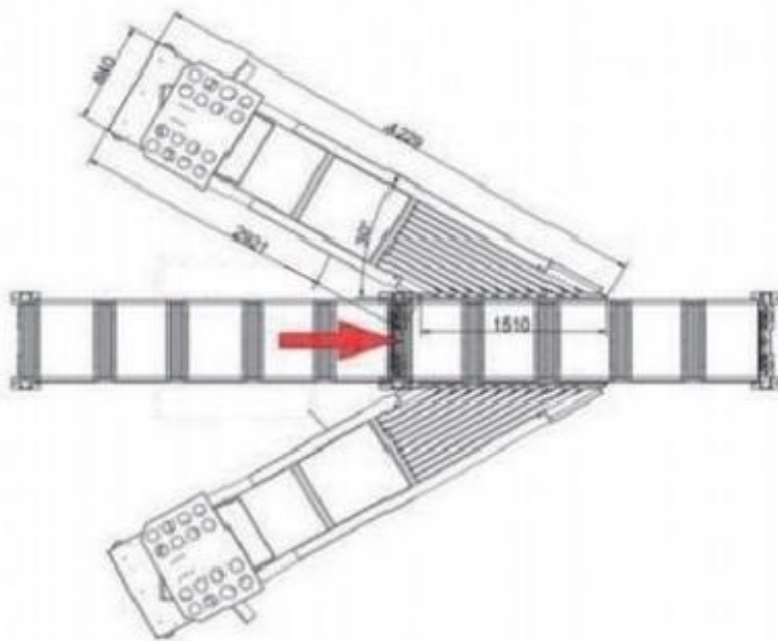
1. Designed to integrate with express sorting systems or serve as a front-end induction and loading station.
2. Compatible with both Cross-Belt Loop Sorters and Linear Cross-Belt Sorters.
3. An integrated logistics support unit combining high-precision weighing with rapid barcode scanning.



3-Stage Induction Station

Conveyor Speed	1.2 – 3 m/s
Weighing Platform Dimensions	400 × 500 mm
Max Parcel Dimensions	500 × 500 × 500 mm (L×W×H)
Min Parcel Dimensions	40 × 60 × 10 mm (L×W×H)
Weighing Accuracy	±10 g
Weighing Range	40 g – 30 kg
Throughput	1,800 – 2,500 items/hour
Max Power	≥ 1.5 kW
Surface Characteristics	-
Operating Temperature	-10°C to 50°C
Supply Voltage	220 V

3-Stage & 4-Stage Induction Station

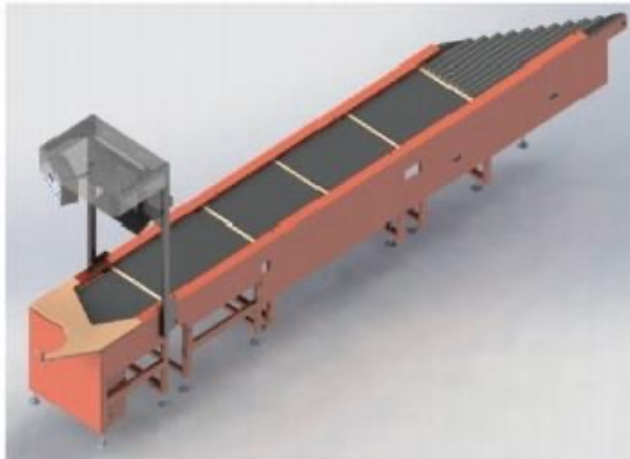


Name	Description	Brand
Servo Motor	1.1 kW	Sine Electric, Leadshine
Electric Roller	400 W	Dalian Moandy
Pressure Sensor	SB-100kg, Four-sensor	Keli (with Tuoheng instrument)
Belt	PVC	Siebeck
Bearing	-	NSK / NTN / Harbin Bearing
Light Curtain	SKJ-28GPS	Xikong
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

6-Stage Induction Station & Dual Induction Stations

Key Features

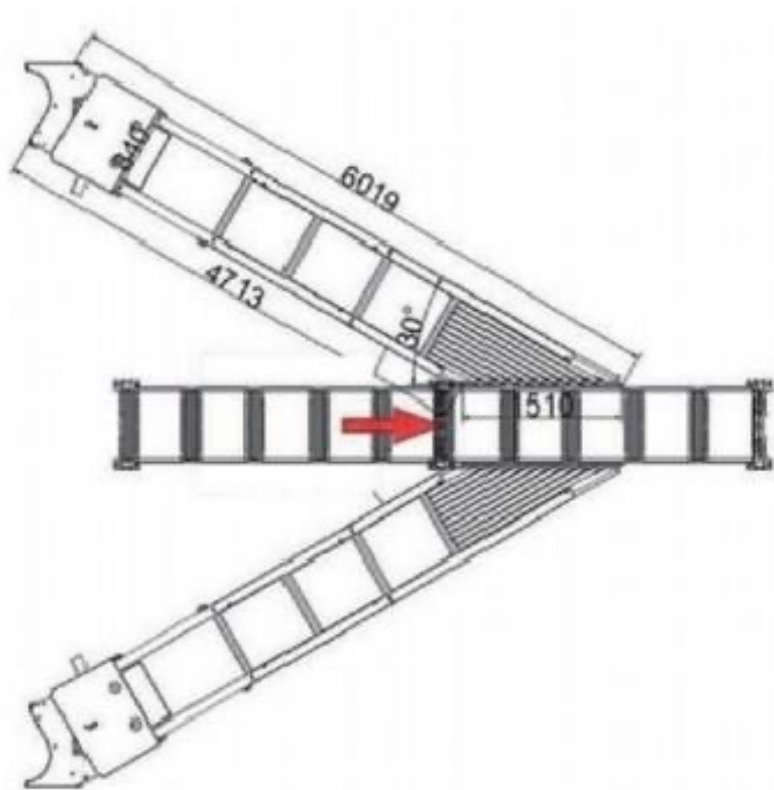
- Higher efficiency through multi-stage accumulation.
- Designed to integrate with express sorting systems or serve as a front-end induction and loading station.
- Compatible with both Cross-Belt Loop Sorters and Linear Cross-Belt Sorters.
- An integrated logistics support unit combining high-precision weighing with rapid scanning.



6-Stage Induction Station

Conveyor Speed	1.2 – 3 m/s
Weighing Platform Dimensions	400 × 500 mm
Max Parcel Dimensions	500 × 500 × 500 mm (L×W×H)
Min Parcel Dimensions	40 × 60 × 10 mm (L×W×H)
Weighing Accuracy	±10 g
Weighing Range	40 g – 30 kg
Throughput	1,800 – 2,500 parcels/hour
Max Power	≥ 1.5 kW
Surface Characteristics	-
Operating Temperature	-10°C to 50°C
Supply Voltage	220 V

6-Stage Induction Station & Dual Induction Stations



6-Stage Induction Station

Name	Description	Brand
Servo Motor	1.1 kW	Sine Electric, Leadshine
Electric Roller	400 W	Dalian Moandy
Pressure Sensor	SB-100kg, Four-sensor	Keli (with Tuoheng instrument)
Belt	PVC	Siebeck
Bearing	-	NSK / NTN / Harbin Bearing
Light Curtain	SKJ-28GPS	Xikong
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

6-Stage Induction Station & Dual Induction Stations

Key Features

1. Optimized for space efficiency.
2. Supports single or dual-operator induction on the dual induction station, maximizing throughput and operational efficiency.



Dual Induction Stations

Name	Description	Brand
Servo Motor	1.1 kW	Sine Electric, Leadshine
Electric Roller	400 W	Dalian Moandy
Pressure Sensor	SB-100kg, Four-sensor	Keli (with Tuoheng instrument)
Belt	PVC	Siebeck
Bearing	-	NSK / NTN / Harbin Bearing
Light Curtain	SKJ-28GPS	Xikong
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

Dynamic Weighing Induction Station

Key Features

1. Higher efficiency in dynamic weighing.
2. Designed for integration with express sorting systems, serving as a front-end induction or infeed station.
3. Compatible with both cross-belt sorters (loop type) and linear cross-belt sorters.
4. An integrated logistics sorting support system combining precise weighing with high-speed scanning.



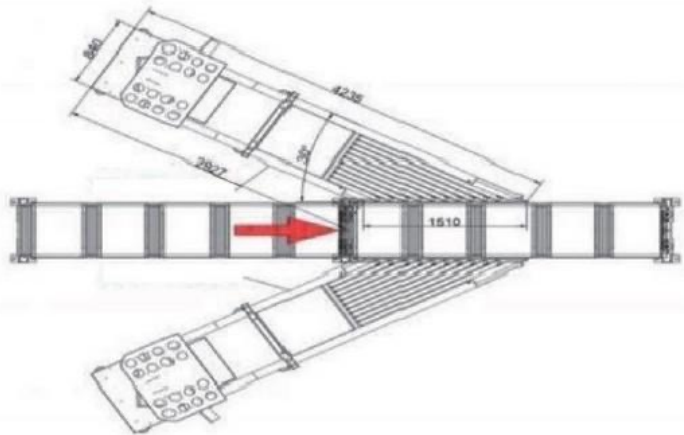
Dynamic Weighing Induction Station

Conveyor Speed	1.2 – 3 m/s
Max Parcel Dimensions	500 × 500 × 500 mm (L×W×H)
Min Parcel Dimensions	40 × 60 × 10 mm (L×W×H)
Weighing Accuracy	±10 g
Weighing Range	40 g – 30 kg
Throughput	1,800 – 3,000 parcels/hour
Max Power	≥ 1.5 kW
Surface Characteristics	Standard / Level 1
Operating Temperature	-10°C to 50°C
Supply Voltage	220 V

Dynamic Weighing Induction Station

System Advantage

Compared to direct manual loading, the operation is more convenient, fast, and safe. It lowers the requirements for staff, allowing for rapid training and onboarding. This enables the completion of sorting and dispatching tasks with higher efficiency. Having become a "capable assistant" for sorters, it is a sorting device widely used in express logistics distribution centers.



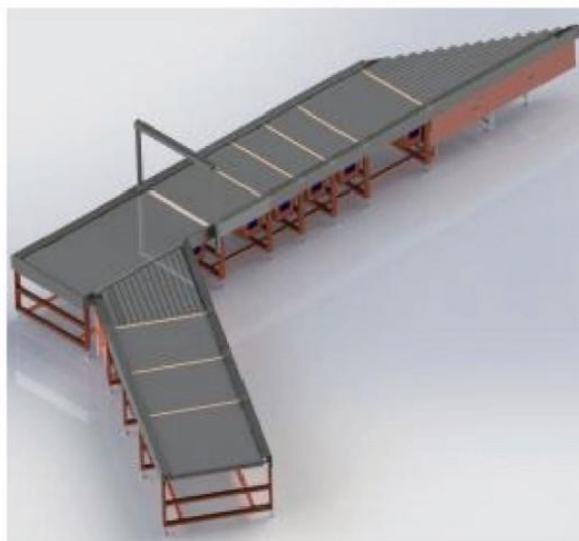
Dynamic Weighing Induction Station

Name	Description	Brand
Servo Motor	1.1 kW	Sine Electric, Leadshine
Electric Roller	400 W	Dalian Moandy
Pressure Sensor	ZEMIC, Four-sensor (with Hengxun instrument)	ZEMIC
Belt	PVC	Siebeck
Bearing	-	NSK / NTN / Harbin Bearing
Light Curtain	SKJ-28GPS	Xikong
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

Automatic Induction Station & Large-Item Automatic Induction Station

Key Features

1. Designed for integration with express sorting systems or as a front-end induction and loading station.
2. Compatible with both loop cross-belt sorters and linear cross-belt sorters.
3. An unmanned logistics support unit integrating high-precision weighing with rapid scanning



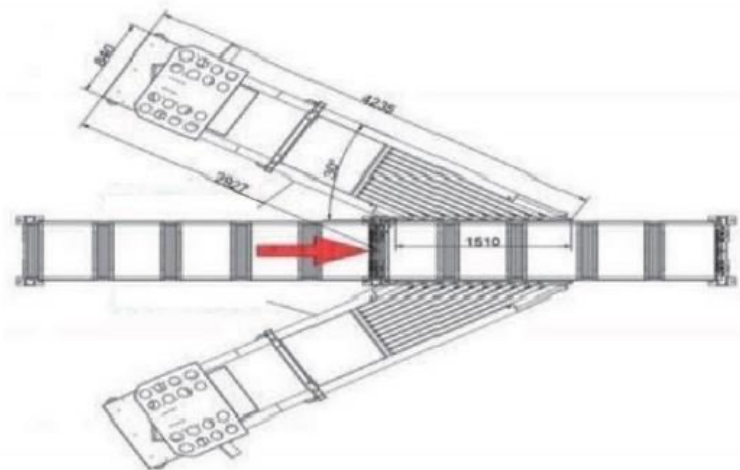
Automatic Induction Station

Conveyor Speed	1.2 – 3 m/s
Weighing Platform Size	400 × 500 mm
Max Parcel Dimensions (Standard)	500 × 500 × 500 mm (L×W×H)
Max Parcel Dimensions (Large Item Auto-Feed)	800 × 800 × 800 mm
Min Parcel Dimensions	40 × 60 × 10 mm (L×W×H)
Weighing Accuracy	±10 g
Weighing Range	40 g – 30 kg
Throughput	1,800 – 3,600 parcels/hour
Max Power	≥ 1.5 kW
Operating Temperature	-10°C to 50°C
Power Supply	220 V

Automatic Induction Station & Large-Item Automatic Induction Station

Key Features

Unmanned feeding, intelligent operation, deep automation, and maximized efficiency. This system maximizes labor liberation and is ideally suited for scenarios such as large-scale distribution centers.

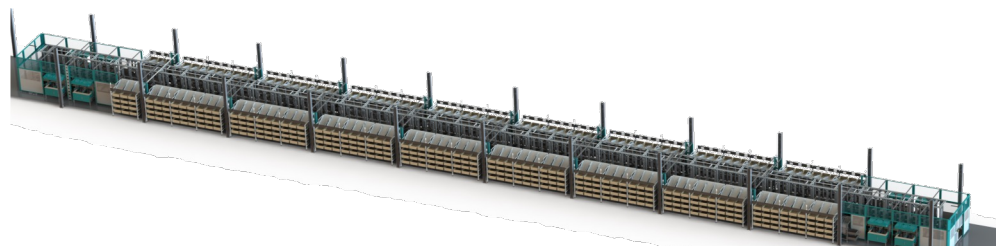
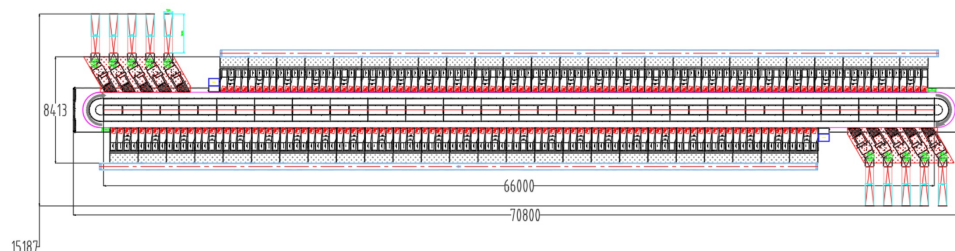


Automatic Induction Station

Name	Description	Brand
Servo Motor	1.1 kW	Sine Electric, Leadshine
Electric Roller	400 W	Dalian Moandy
Pressure Sensor	SB-100kg, Four-sensor	Keli (with Tuoheng instrument)
Belt	PVC	Siebeck
Bearing	-	NSK / NTN / Harbin Bearing
Light Curtain	SKJ-28GPS	Xikong
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

3D Sorting Machine Solution

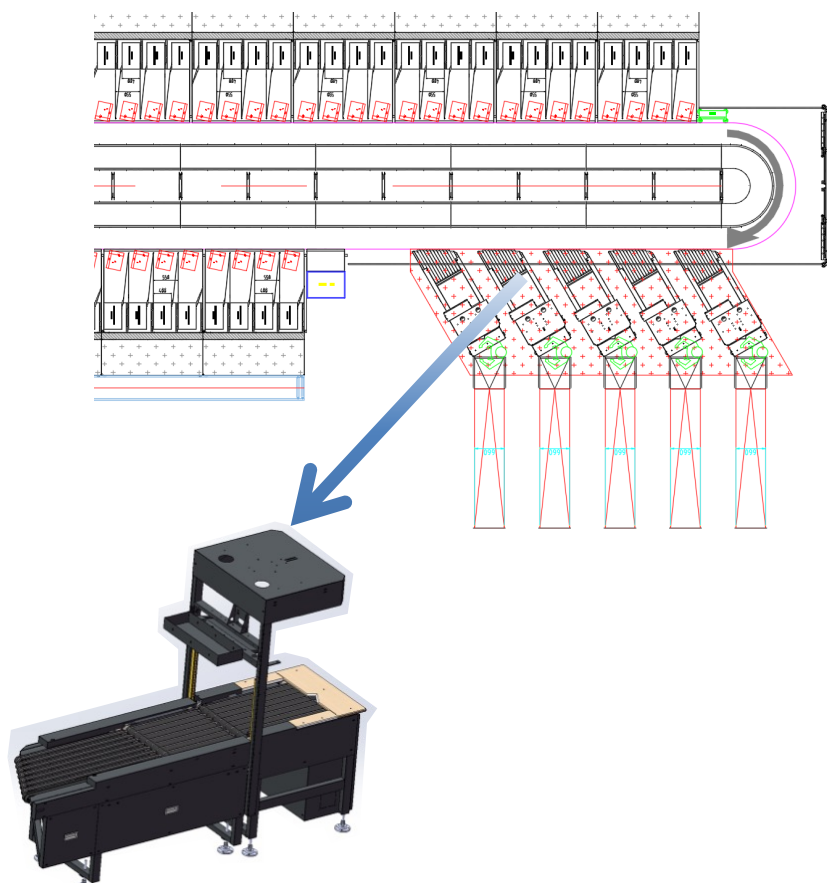
Solution Overview



Number of Carts	548 units
Induction Zones	2
Induction Stations	10 units
Max Sorting Efficiency	16,000 items/hour
Cart Belt Dimensions (L×W)	600 mm × 425 mm
Sorting Chutes	600
3-Tier Chute Dimensions	Width: 550 mm; Outlet: 400 mm
Tote Bin Dimensions	600 × 400 × 420 mm
Item Size Range	Max: 400 × 320 × 320 mm; Min: 30 × 10 × 1 mm
Footprint	588 m ² (8.4 m × 70 m, excluding collection hoppers; customizable)

3D Sorting Machine Solution

Solution Overview – Induction Zone

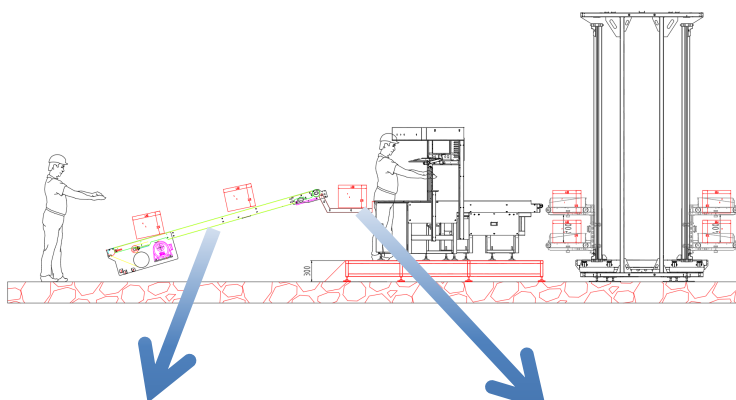


Three-Section Induction Station

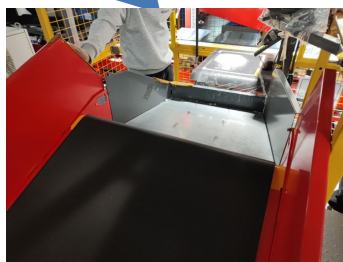
- **Loading Area:** 2 zones, with 5 stations per zone.
- **Three-Section 60° Induction Station (without volume detection):**
Loading Efficiency: 1,500 pcs/h
Scanning Method: Top scan + "Big Eye" scanner
- **Four-Section 60° Induction Station (with volume measurement):**
Loading Efficiency: 2,000 pcs/h
Scanning Method: Top scan + "Big Eye" scanner
- The overall solution adopts an induction station loading method, which enables faster sorting efficiency for the entire system and ensures safer operation for loading personnel.

3D Sorting Machine Solution

Solution Overview – Induction Zone



Three-Section Induction Station



Collection Hopper

Collection Belt Conveyor

Staff can directly pour goods to be sorted into the collection belt conveyor using cage carts or tote bins, achieving a buffering effect. This approach improves picking efficiency and increases the utilization rate of cage carts and tote bins.

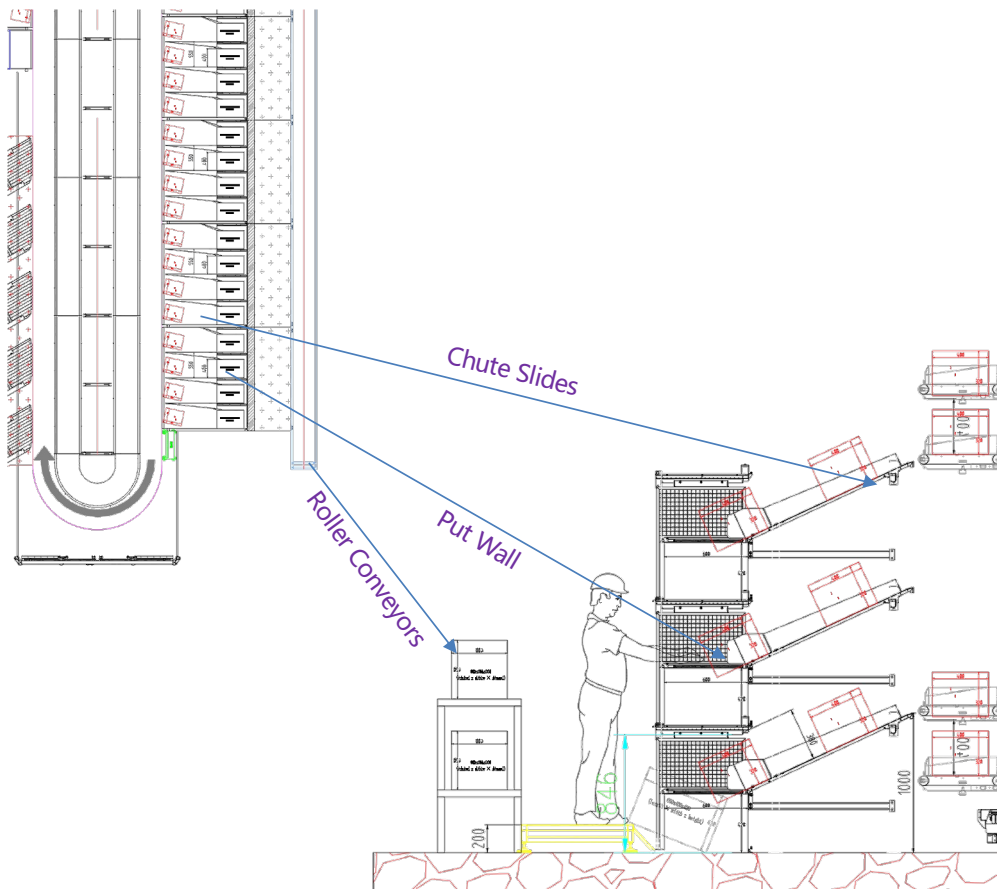
Collection Hopper

Designed for temporary storage, this system allows loading personnel to control the conveyor belt via a foot pedal located beneath the hopper. This feature:

- Aligns with ergonomic design principles for induction zone operators.
- Increases the overall efficiency of the induction zone by more than 50%.

3D Sorting Machine Solution

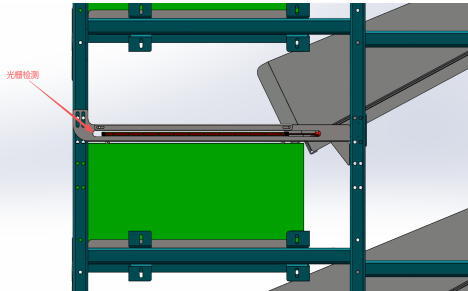
Sorting Completion Area



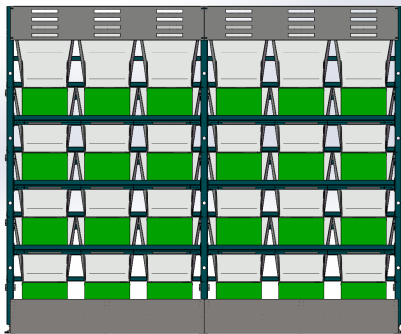
- **Chute Slides**
Each group consists of $3 \times 4 = 12$ slides, with a total of 25 groups, resulting in 600 slides to meet the client's chute requirements.
- **Put Wall**
Each group supports $3 \times 4 = 12$ put locations, with a total of 25 groups, accommodating 600 tote bins to meet the client's put-wall requirements.
- **Roller Conveyors**
Divided into a full-tote discharge line and an empty-tote return line. These convey tote bins to areas designated by the client, reducing staff walking distance and thereby improving operational efficiency.

3D Sorting Machine Solution

Sorting Completion Area



Light Curtain Detection (Demo)

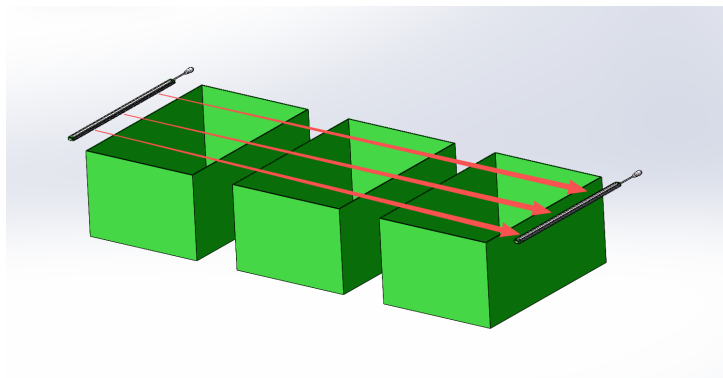


Light Curtain Detection (Demo)

- Put Wall

The put wall light bar uses RGB lighting to indicate two different states of the tote bins: Empty and Full.

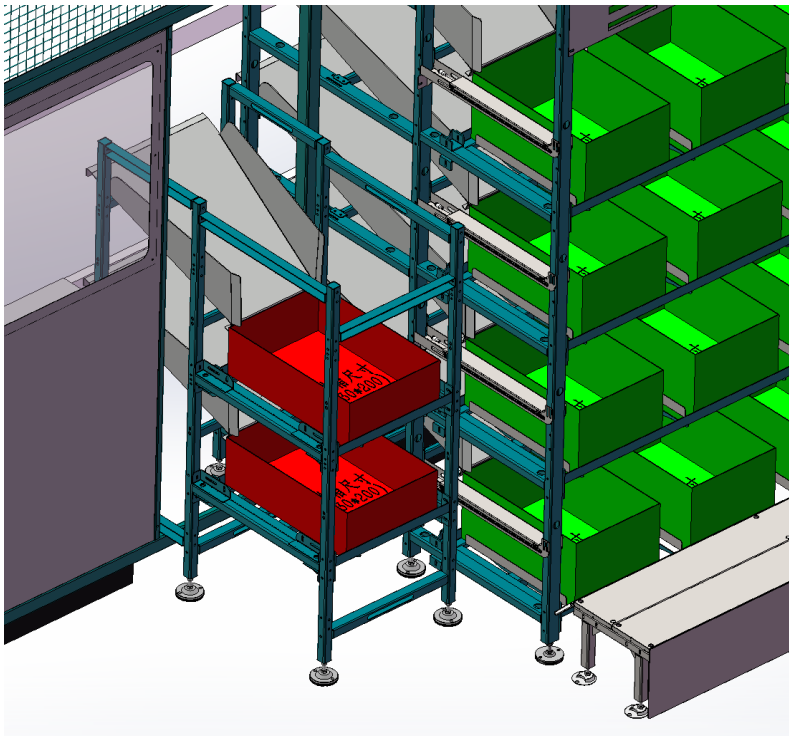
Detection Method: Light Curtain Detection



Light Curtain Detection (Demo)

3D Sorting Machine Solution

Solution Introduction - Exception Chute



Double-Layer Exception Chute (Demo)

Sortation Cart Exception

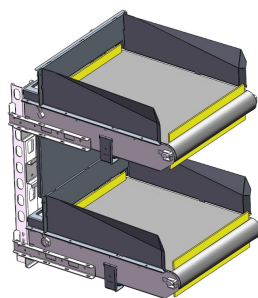
- If the system detects a failure in the lift module control, it will automatically disable the module and report the exception to the system.
- If sorted items fail to drop into the designated chute normally, they will be diverted to the exception chute.
- An alarm signal is triggered, and the system automatically shuts down for protection when an anomaly is detected in the power system operation.

Item Shortage Exception

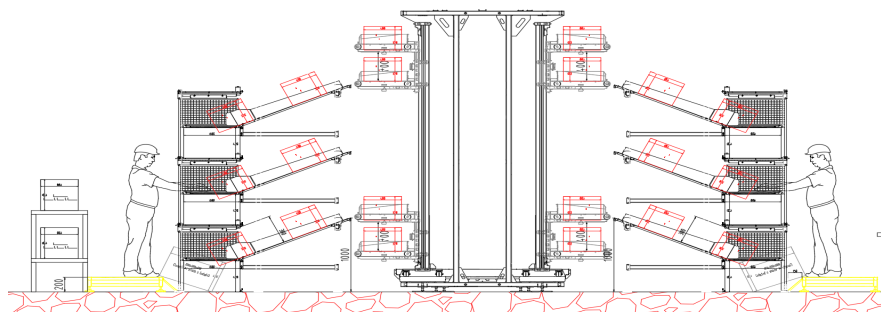
- When the induction station system detects that the picking list is complete after scanning, it determines whether any items are missing or skipped.
- The status is displayed on the user interface as a prompt.

3D Sorting Machine Solution

Solution Introduction - Main Equipment Loop



Double-Layer Sortation Cart

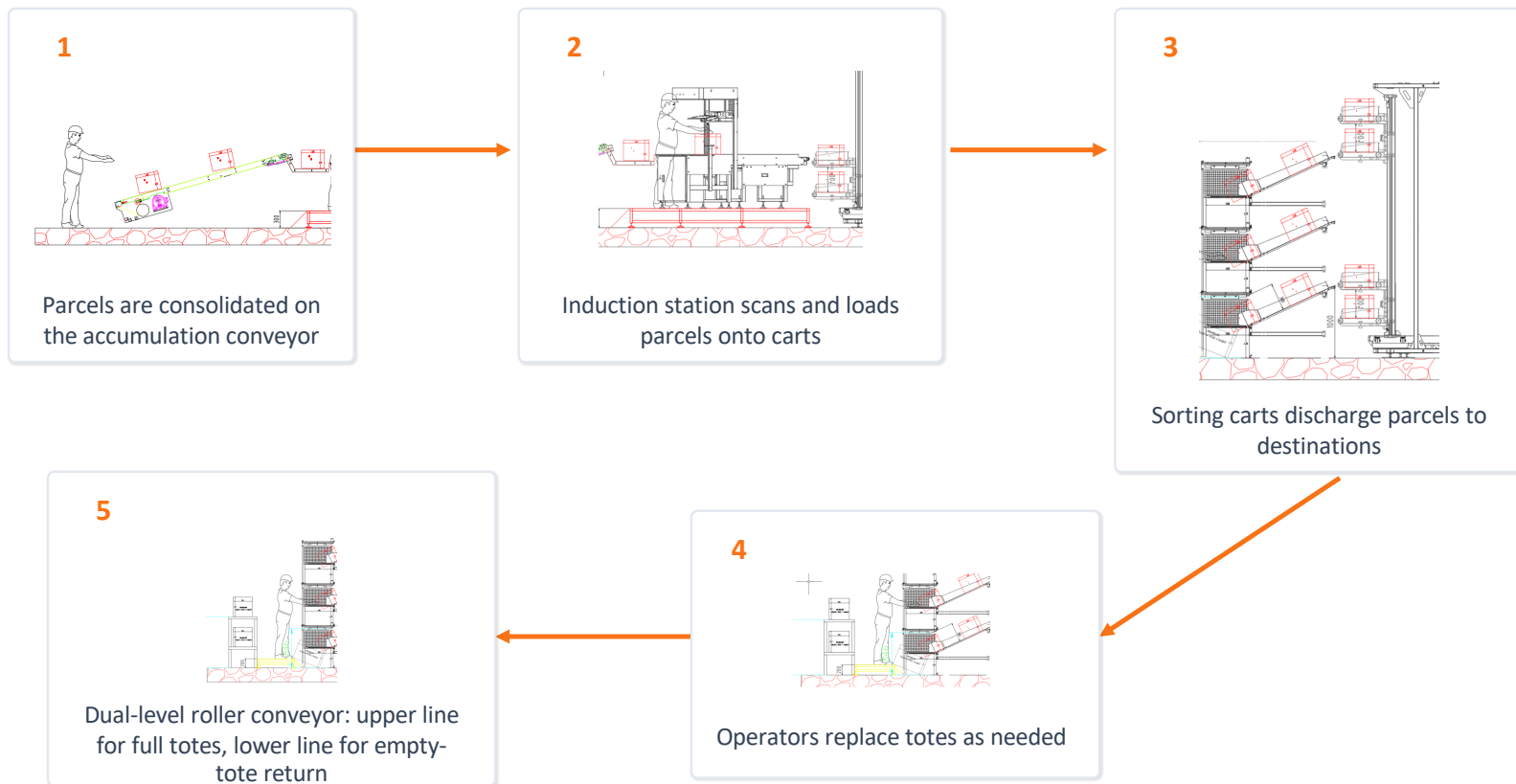


Main Loop Side View

- The main loop adopts a single-module dual-cart structure, improving efficiency by 30–50% compared to a single-module single-cart setup.
- Both carts perform lifting or lowering movements simultaneously to reach the designated drop height.
- Cart belt surface dimensions: 600 × 428 mm.
- Cart load capacity: ≤ 5 kg.
- The sortation carts are equipped with baffles and guide strips to prevent items from falling off, enhancing delivery stability.
- High-friction coefficient belts are used to improve delivery accuracy.

3D Sorting Machine Solution

Solution Introduction - Flowchart



3D Sorting Machine Solution

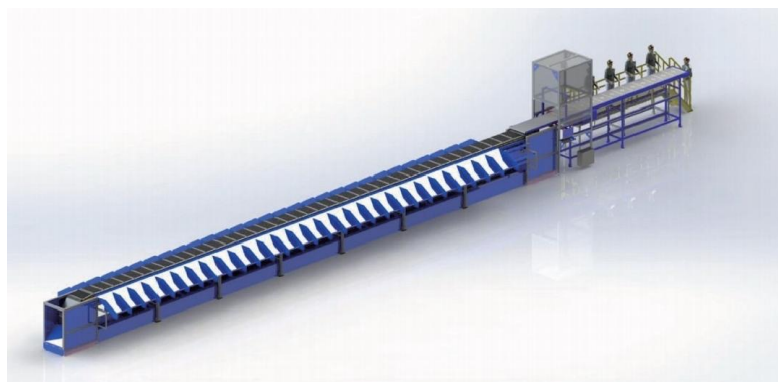
System Advantage

	ZeYe Solution	Competitor A	Competitor B	Analysis
Line speed	1 m/s	1 m/s	0.7 m/s	Higher speed generally leads to higher throughput
Cart levels	Dual cart	Single cart	Dual cart	More receiving carts improve handling efficiency
Induction-area layout	4 zones	2 zones	2 zones	More zones reduce cart lifting frequency and improve module efficiency
Induction station	60° / 4 sections / 10 units	60° / 4 sections / 10 units	90° induction	A 60° station better matches the conveyor height
Throughput	18,000/h	10,000/h	12,000/h	The Genye solution shows higher overall throughput
Lift structure	Module	Module	Synchronous pulley	Module design service life can reach roughly 5–10 years;

Linear Sorting Feeding System

Key Features

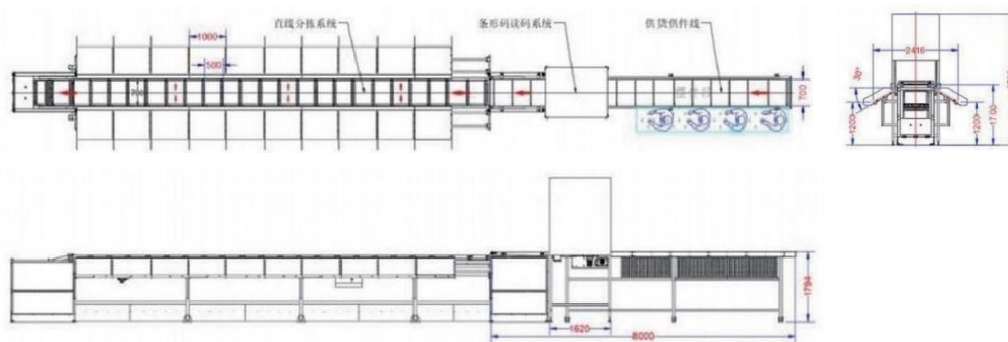
1. Linear Cross-Belt Sorting System: Features a wide range of applications, compact footprint, high efficiency with low consumption, and excellent cost-performance ratio.
2. Standard Modular Design: Allows for customization of the number of chutes based on requirements, offering extreme flexibility and stability.
3. Application Scenario: Ideally suited for sorting equipment in small to medium-sized logistics outlets.



Operating Speed	1.2 - 1.8 m/s
Parcel Weight Range	0.1 kg - 5 kg
Max Parcel Dimensions	≤ 420 × 650 × 400 mm (L × W × H)
Standard Pitch	500 mm
Belt Surface Dimensions	428 × 700 mm
Chute Width	W750 / W1000 mm
Sorting Capacity	6,000 – 10,000 parcels/hour
Drive System	Synchronous friction drive / Linear motor drive
Barcode Recognition Rate	99.7%
Operating Temperature	-10°C to 50°C
Induction Method	Automatic / Semi-Automatic / Manual Direct Input

Linear Sorting Feeding System

System Advantage



- Compact footprint: Flexible spatial layout; exits can be freely added or removed to suit customer needs.
- Efficiency: Significantly reduces labor requirements and improves parcel processing efficiency compared to traditional manual sorting operations.

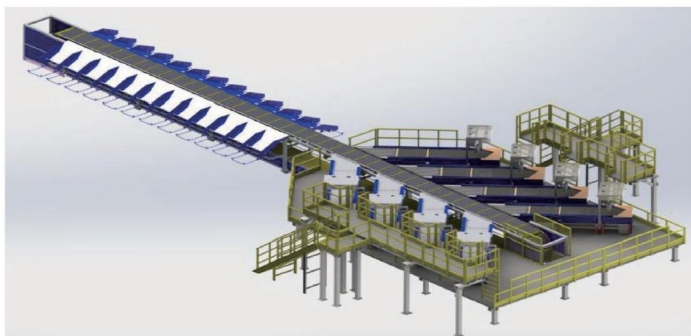
- Modular structure: Easy to assemble and maintain.
- Sorting performance: Fast, accurate, and gentle on items; offers distinct advantages for soft packaging transport.
- High adaptability: Capable of sorting longer items by adjusting the number of carts.

Name	Description	Brand
Servo Motor	-	Sine Electric, Leadshine
Electric Roller	-	Dalian Moandy
Camera	-	Hikvision
Belt	PVC	Siebeck, Yongli
Bearing	-	C&U (Renben)
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

Semi-Automatic Linear Sorting Induction System

Key Features

- Items are introduced via the induction station, supporting simultaneous capture of barcode, volume, and weight data.
- Linear cross-belt sorting system: widely applicable, compact footprint, high efficiency with low energy consumption, and excellent cost-performance ratio.
- Standard modular design allows customization of chute quantity per requirement, offering exceptional flexibility and stability.
- Ideal for express parcel sorting at small to medium-sized logistics hubs or distribution points.

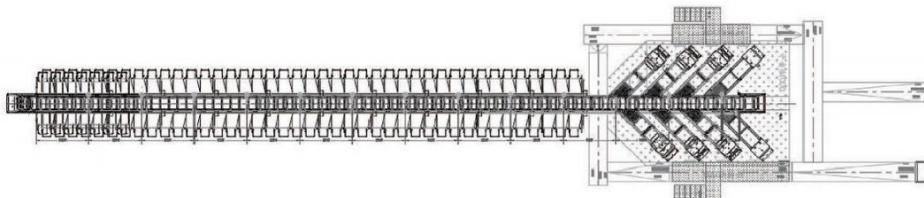


Semi-Automatic Linear Sorting Induction System

Operating Speed	1.2 - 1.8 m/s
Parcel Weight Range	0.1 kg - 5 kg
Max Parcel Dimensions	≤ 420 × 650 × 400 mm (L × W × H)
Standard Pitch	500 mm
Belt Surface Dimensions	428 × 700 mm
Chute Width	W750 / W1000 mm
Sorting Capacity	6,000 – 10,000 parcels/hour
Drive System	Synchronous friction drive / Linear motor drive
Barcode Recognition Rate	99.7%
Operating Temperature	-10°C to 50°C
Induction Method	Automatic / Semi-automatic / Manual direct input

Semi-Automatic Linear Sorting Induction System

System Advantage



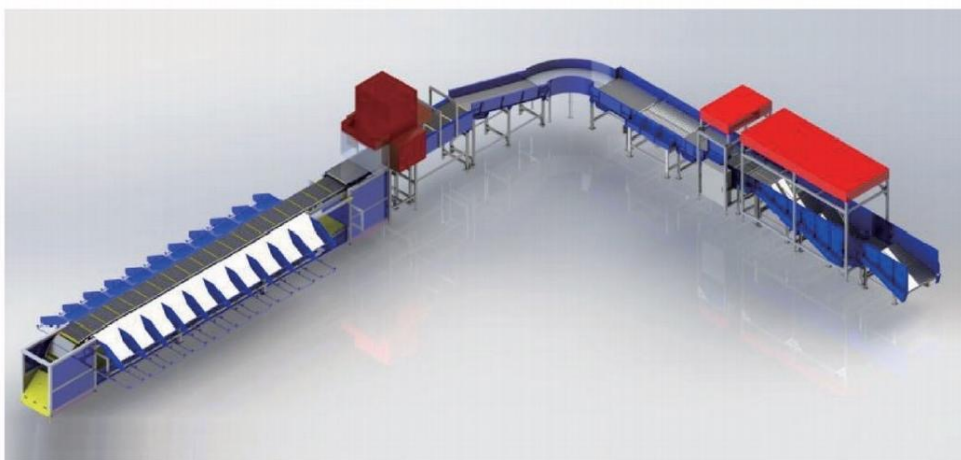
- Modular structure for easy assembly and maintenance.
- High-speed, accurate sorting with no impact on items — ideal for soft-packaged goods.

- Highly adaptable: adjust cart quantity to handle longer packages.
- Compact footprint with flexible layout; add/remove chutes as needed for customer-specific applications.
- Significantly reduces labor costs and boosts parcel handling efficiency compared to traditional manual sorting.

Name	Description	Brand
Servo Motor	-	Sine Electric, Leadshine
Electric Roller	-	Dalian Moandy
Camera	-	Hikvision
Belt	PVC	Siebeck, Yongli
Bearing	-	C&U (Renben)
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

Automatic Unmanned Parts Feeding Line

Key Features



The complete line configuration features a powerful combination of de-stacking equipment, single-item separation equipment, de-doubling equipment, automatic centering equipment, six-sided barcode scanning equipment, and linear cross-belt sorting equipment.

1. Fully automatic induction requires no manual placement
2. Automatic de-stacking resolves parcel stacking issues
3. Precise single-item separation, accurate gap control, and automatic parcel centering
4. Six-sided barcode scanning for all-around parcel code recognition
5. Precise weight and dimension measurement
6. High-efficiency linear cross-belt sorting

Automatic Unmanned Parts Feeding Line

System Advantage

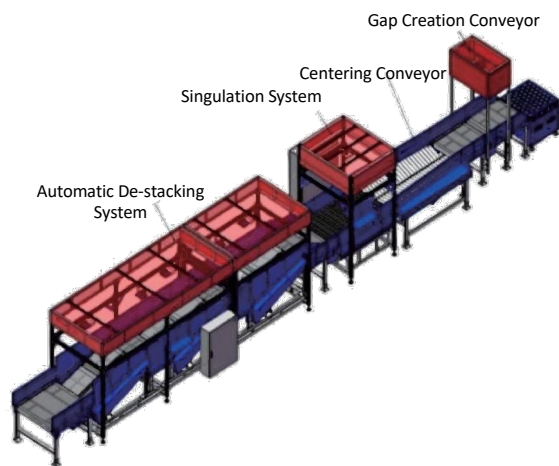
- 1. Automated Control, Labor Savings**
Through workstations for de-stacking, separation, centering conveyance, scanning, and sorting, the system handles cargo sorting and transport, replacing traditional manual induction, waybill recognition, sorting, and conveying. This can save over 70% in labor costs while optimizing the structure of various links, allowing personnel to be reassigned to more flexible tasks such as manual bagging consolidation and cargo rationalization.
- 2. High Sorting Efficiency, Precise Recognition, High Accuracy**
Utilizing a six-sided barcode scanning system, the solution captures data through multiple methods including barcode recognition, weighing and dimensioning, and color recognition. This data is then processed by the WCS (Warehouse Control System) to precisely control cargo sorting. Compared to manual operations, which suffer from low efficiency, high error rates, and significant cargo damage, the greatest advantages of this fully automated sorting system are its high efficiency and accuracy. It achieves speeds of up to 8,000 items/hour, a sorting accuracy rate of 99.99%, and a near-zero damage rate.
- 3. Data Storage, Controllable Management**
Sorting data provides clear visibility into cargo status, sorting volumes between units, sorting success rates, and sorting routes. By statistically analyzing this data, errors and deficiencies in operations can be identified and corrected promptly, preventing similar issues from recurring.
- 4. Cargo Safety, Reduced Damage and Loss**
Minimizing manual contact with items enhances cargo safety and integrity. The automated sorting system integrates seamlessly with conveyor belts and loading/unloading devices, eliminating repetitive tasks like stacking and de-stacking. Cargo flows directly from the unloading point to the conveyance stage, passes through the sorting system, and is then conveyed via belt to the loading stage.

Automatic Unmanned Parts Feeding Line

Key Features

1. **De-stacking System:** Features a ladder-style separation design that stratifies and peels off stacked cargo. This effectively eliminates issues with crowded, overlapping parcels, improving both separation success rates and efficiency.
2. **Single-Item Separation System:** Performs gap control, separation, and rotation/alignment on single-layer cargo. It can be configured for single-direction or dual-direction flow based on downstream requirements.
3. **De-doubling System:** Utilizes 3D cameras for high-precision

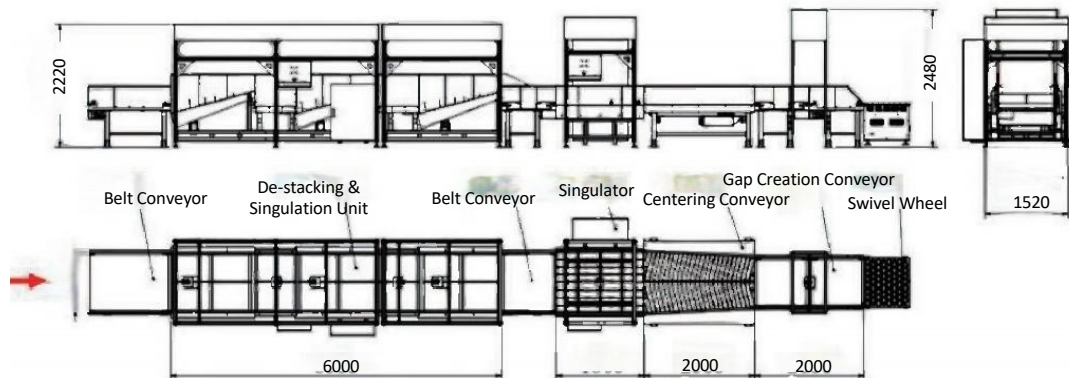
parcel recognition and depth detection to identify oversized items, irregular shapes, and parcels with insufficient spacing relative to channel flow. High-speed steering wheels rapidly reject these items to ensure single-direction supply and optimal flow distribution.



Operating Speed	0.5 - 2 m/s
Parcel Weight Range	0.1 kg - 15 kg
Max Parcel Dimensions	800 × 800 × 600 mm (L × W × H)
Min Parcel Dimensions	150 × 150 × 10 mm (L × W × H)
Application Software	SingulatorControl
Gap Interval	400 mm
Throughput	1,800 – 6,000 parcels/hour
Max Power	≥ 30.8 kW
Software Interface	TCP/UDP
Operating Temperature	-10°C to 50°C
Power Supply	380 V

Automatic Unmanned Parts Feeding Line

System Advantage

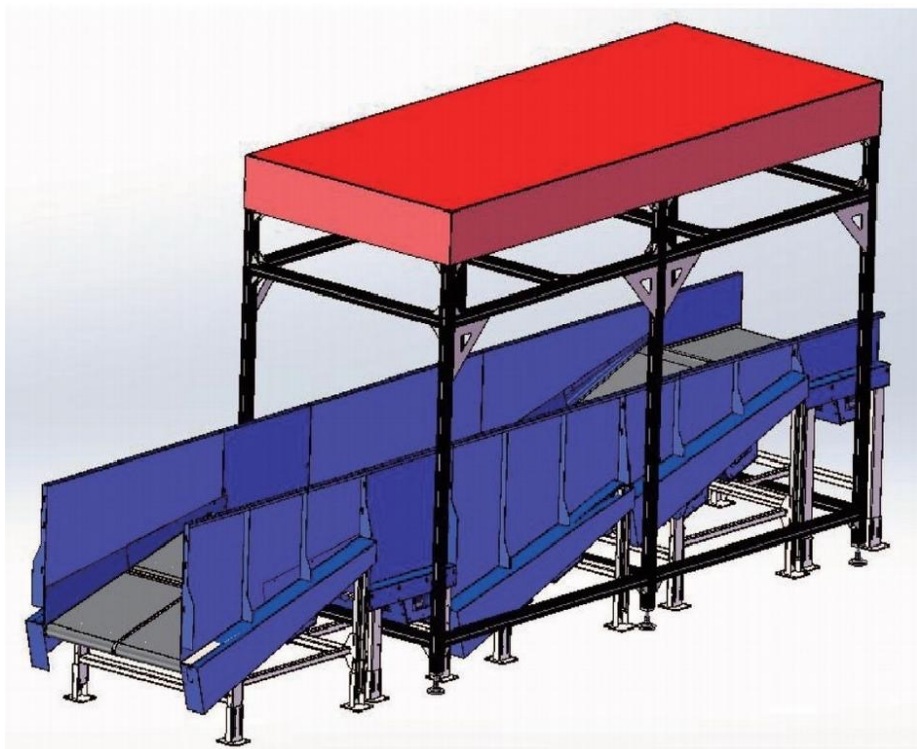


- 1. Sorting Efficiency:** Achieves a maximum throughput of 8,000 items per hour in single-direction flow, with a single-item separation accuracy rate of up to 99.9%.
- 2. Strong Sorting Capability:** Handles cargo with a maximum weight of 15 kg and can sort items with a height as low as 10 mm.
- 3. Modular Structure:** Features a modular design ensuring equipment stability, along with easy installation and maintenance.
- 4. High Cost-Performance Ratio:** Delivers a high return on investment by reducing labor requirements and enhancing operational efficiency.
- 5. Wide Application Range:** Sorts cargo with dimensions ranging from a minimum of 120 mm × 120 mm to a maximum of 500 mm × 500 mm. Suitable for various packaging types, including cartons, envelopes, and waterproof bags.

Name	Description	Brand
Servo Motor	0.75 kW	Sine, Leadshine
Electric Roller	-	Dalian Moandy
Hikvision Camera	-	-
Belt	PVC	Siebeck / Yongli
Bearing	-	NSK / FHD / Harbin Bearing
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

De-stacking System

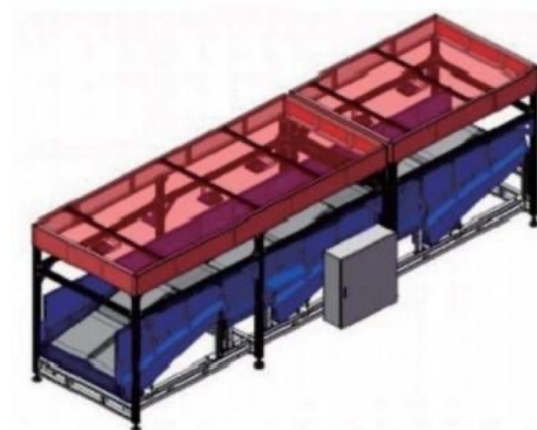
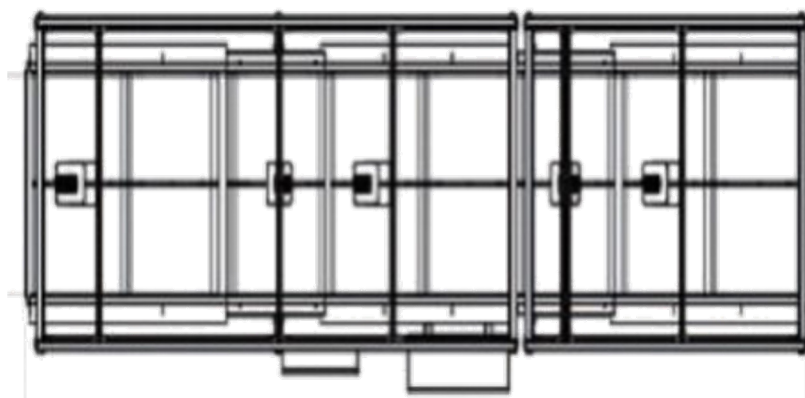
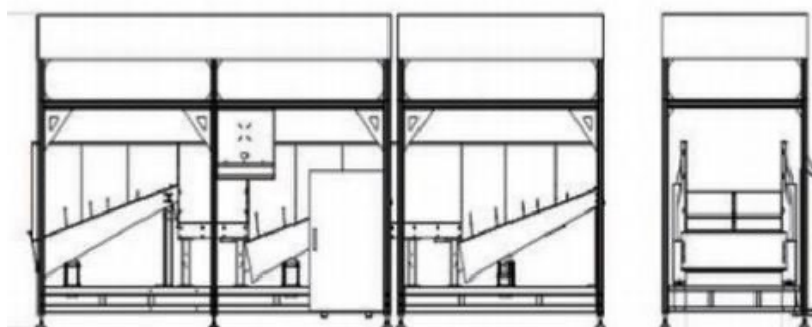
Key Features



1. Designed for integration with express sorting equipment or as a front-end de-stacking unit.
2. Compatible with both Cross-Belt Sorters (Loop type) and Linear Cross-Belt Sorters.
3. A precision logistics conveying auxiliary system dedicated to accurate de-stacking.

Conveyor Speed	0.5 – 1.5 m/s
Max Package Size	500 × 500 × 500 mm (L×W×H)
Min Package Size	40 × 60 × 10 mm (L×W×H)
Weighing Range	0.1 kg – 15 kg
Throughput	1,800 – 5,000 packages/hour
Power (Max)	≥ 12 kW
Operating Temperature	-10°C to 50°C
Power Supply	380 V

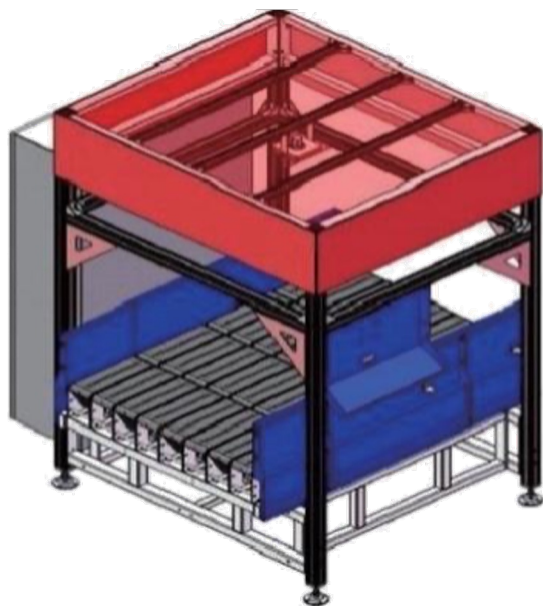
De-stacking System



Name	Description	Brand
Servo Motor	0.75 kW	Sine, Leadshine
Electric Roller	-	-
3D Camera	Intelligent Binocular Stereo Camera	Hikvision
Belt	PVC	Siebeck / Yongli
Bearing	-	NSK / FHD / Harbin Bearing
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

Singulation System

Key Features

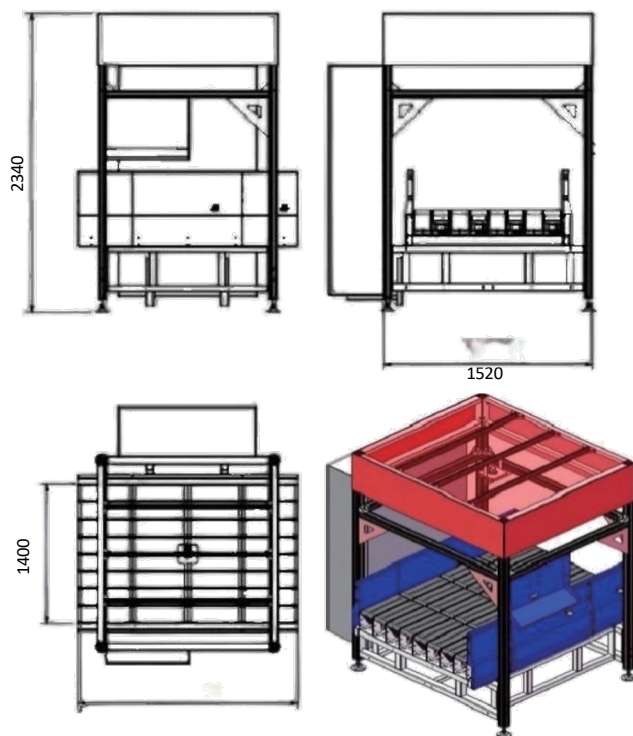


- Fully automated image processing.
- Efficiently handles stacked and mixed items.
- Utilizes controlled flow to maximize efficiency.

Conveyor Speed	0.5 – 2 m/s
Application Software	SingulatorControl
Max Package Size	800 × 800 × 600 mm (L×W×H)
Min Package Size	150 × 150 × 10 mm (L×W×H)
Separation Success Rate	≥99% (Packages must be non-rolling, with diffuse reflectance >10%)
Spacing Interval	400 mm
Throughput	3,600 – 7,200 packages/hour
Power (Max)	≥ 13.8 kW
Weighing Range	0.1 kg – 15 kg
Software Interface	TCP/UDP
Power Supply	380 V

Singulation System

System Advantage



The logistics parcel singulation system primarily consists of a separation belt conveyor and a vision recognition system. The separation belt conveyor creates spacing between parcels. It supports seamless integration with various automated sorting equipment. Compared to traditional manual sorting operations, this system significantly reduces labor requirements and enhances parcel processing efficiency.

Component Name	Description	Brand
Servo Motor	0.4 kW	Sine, Leadshine
Electric Roller	—	Dalian Moandy
3D Camera	Intelligent Binocular Stereo Camera	Hikvision
Belt	PVC	Siebeck, Yongli
Bearing	—	NSK, FHD, Harbin Bearing
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

Centering Conveyor

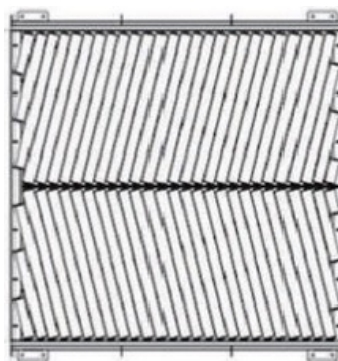
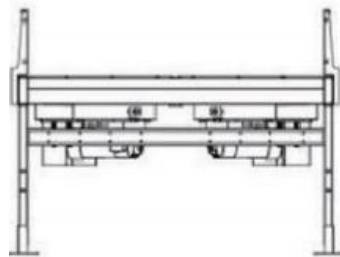
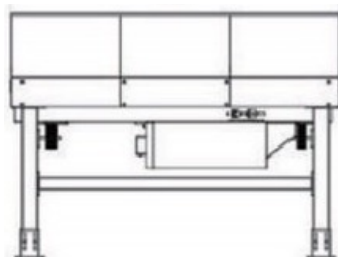
Key Features



1. Designed for integration with express sorting equipment or as a front-end centering unit.
2. Compatible with both cross-belt sorters (loop type) and linear cross-belt sorters.
3. A logistics conveyor support system featuring significant parcel centering performance.

Parameter	Specification
Operating Speed	0.5 - 2 m/s
Max Parcel Dimensions	800 × 800 × 600 mm (L × W × H)
Min Parcel Dimensions	150 × 150 × 10 mm (L × W × H)
Throughput	1,800 – 7,200 parcels/hour
Max Power	≥ 1.5 kW
Surface Characteristics	-
Operating Temperature	-10°C to 50°C

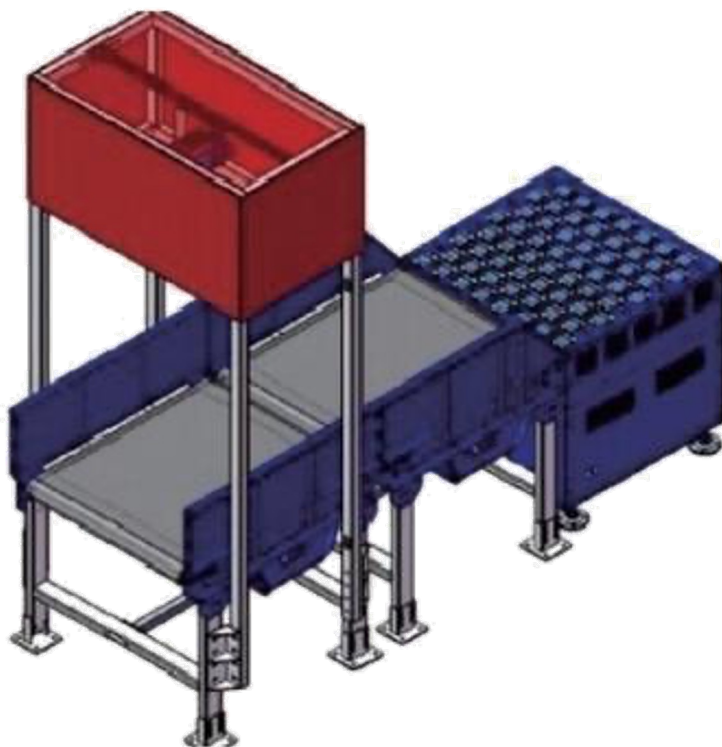
Centering Conveyor



Name	Description	Brand
Motor	0.75 kW	Wanxin, Nord
Roller	Diameter 50 mm	Dematic
Belt	PVC	Siebeck / Yongli
Bearing	-	NSK / FHD / Harbin Bearing
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

Gap Creation Conveyor

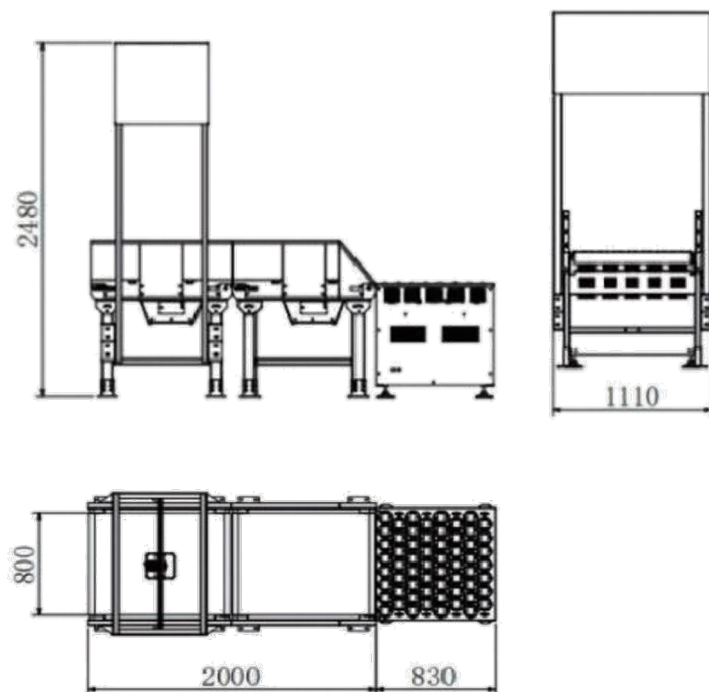
Key Features



1. Designed for integration with express sorting equipment or as a front-end dual-parcel separation (de-singulation) unit.
2. Compatible with both loop cross-belt sorters and linear cross-belt sorters.
3. A logistics conveyor support system featuring high-speed dual-parcel separation capabilities.

Operating Speed	0.5 - 2 m/s
Max Parcel Dimensions	800 × 800 × 600 mm (L × W × H)
Min Parcel Dimensions	150 × 150 × 10 mm (L × W × H)
Throughput	1,800 – 6,000 parcels/hour
Max Power	≥ 3 kW
Surface Characteristics	Type II (or "Double" configuration)*
Operating Temperature	-10°C to 50°C
Power Supply	380 V

Gap Creation Conveyor



Overall: 2830 × 1100 × 2480 mm (L×W×H)
Working Height: 800 mm

Name	Description	Brand
Motor	0.75 kW	Sine Electric, Leadshine
Roller	50 W (Drive Unit)	Dalian Moandy
Belt	PVC	Siebeck, Yongli
Bearing	-	NSK, FHD, Harbin Bearing
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

3x6 Automatic Singulation System

Key Features



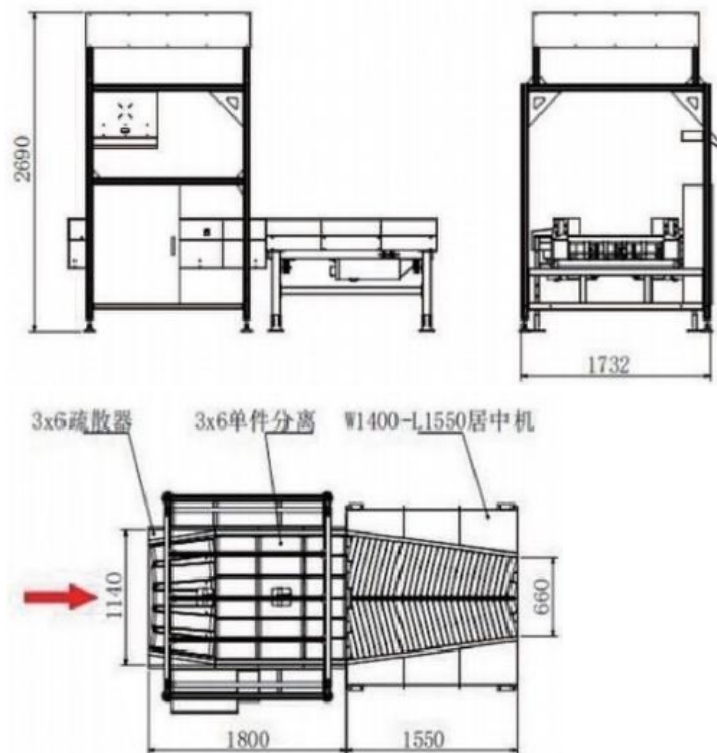
1. Used for supporting express sorting equipment or for front-end distribution, separation, and centering.
2. Suitable for both loop cross-belt sorters and linear cross-belt sorters.
3. Employs controlled flow rates to enhance efficiency.

Operating Speed	0.5 - 2 m/s
Throughput	1,800 - 7,200 packages/hour
Maximum Package Size	800 × 800 × 600 mm (L × W × H)
Minimum Package Size	150 × 150 × 10 mm (L × W × H)
Separation Success Rate	≥99% (Non-rolling packages, surface diffuse reflectance >10%)
Package Weight Range	0.3 kg - 60 kg
Maximum Power	≥9.7 kW
Surface Characteristics	N/A
Operating Temperature	-10°C to 50°C
Power Supply	220V
Operating Speed	0.5 - 2 m/s

3x6 Automatic Singulation System

System Advantage

The logistics single-package separation system mainly consists of a separation belt conveyor and a vision recognition system. The separation belt conveyor creates spacing between packages. It supports seamless integration with various automated sorting equipment. Compared to traditional manual sorting operations, it significantly reduces labor requirements and improves package processing efficiency.

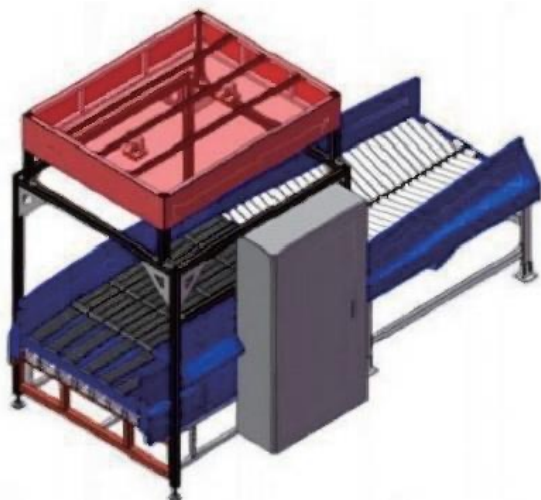


Overall: 3350 × 1732 × 2690 mm (L×W×H)
 Working Height: 800 mm

Name	Description	Brand
Servo Motor	0.4 kW	Sine Electric, Leadshine
Electric Roller	200 W	Dalian Moandy
3D Camera	Intelligent Binocular Stereo Camera	Hikrobot (Hikvision)
Belt	PVC	Siebeck, Yongli
Bearing	-	NSK, FHD, Harbin Bearing
Low-Voltage	Buttons, Switches,	Schneider Electric

4x8 Automatic Singulation System

Key Features



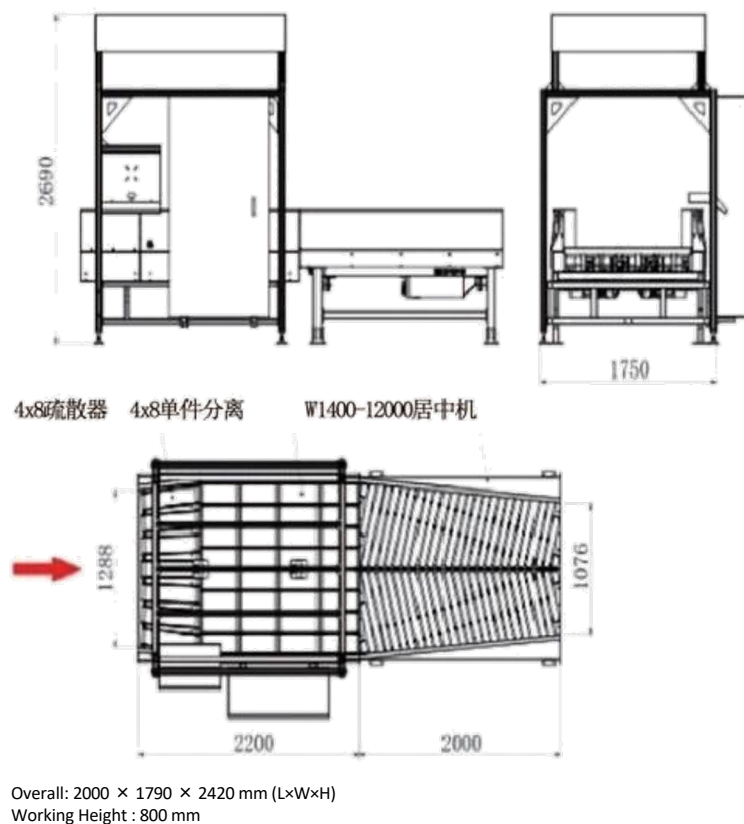
1. Used for supporting express sorting equipment or for front-end distribution, separation, and centering.
2. Suitable for both loop cross-belt sorters and linear cross-belt sorters.
3. Employs controlled flow rates to enhance efficiency.

Operating Speed	0.5 - 2 m/s
Throughput	1,800 - 7,200 packages/hour
Maximum Package Size	800 × 800 × 600 mm (L × W × H)
Minimum Package Size	150 × 150 × 10 mm (L × W × H)
Separation Success Rate	≥99% (Non-rolling packages, surface diffuse reflectance >10%)
Package Weight Range	0.3 kg - 60 kg
Maximum Power	≥15.5 kW
Surface Characteristics	N/A
Operating Temperature	-10°C to 50°C
Power Supply	220V
Operating Speed	0.5 - 2 m/s

4x8 Automatic Singulation System

System Advantage

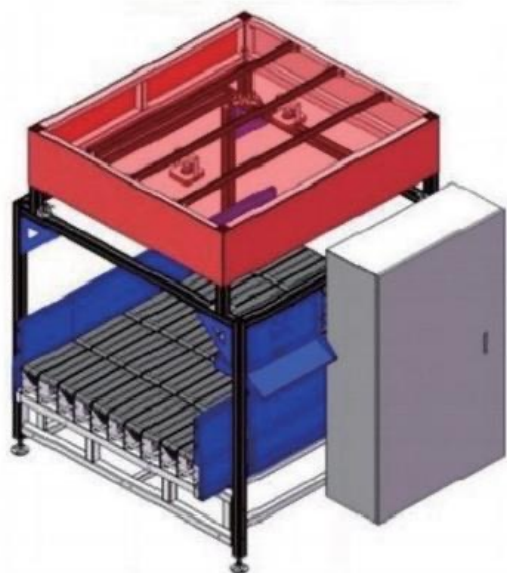
The logistics parcel singulation system mainly consists of a separation belt conveyor and a vision recognition system. The separation belt conveyor creates spacing between parcels. It supports seamless integration with various automated sorting equipment. Compared to traditional manual sorting operations, it significantly reduces labor investment and improves parcel processing efficiency.



Component	Description/Specification	Brand
Servo Motor	0.4 kW	Sine Electric, Leadshine
Electric Roller	200 W	Dalian Moandy
3D Camera	Intelligent Binocular Stereo Camera	Hikvision
Belt	PVC	Siebeck, Yongli
Bearings	-	NSK, FHD, Harbin Bearing
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

5x10 Automatic Singulation System

Key Features

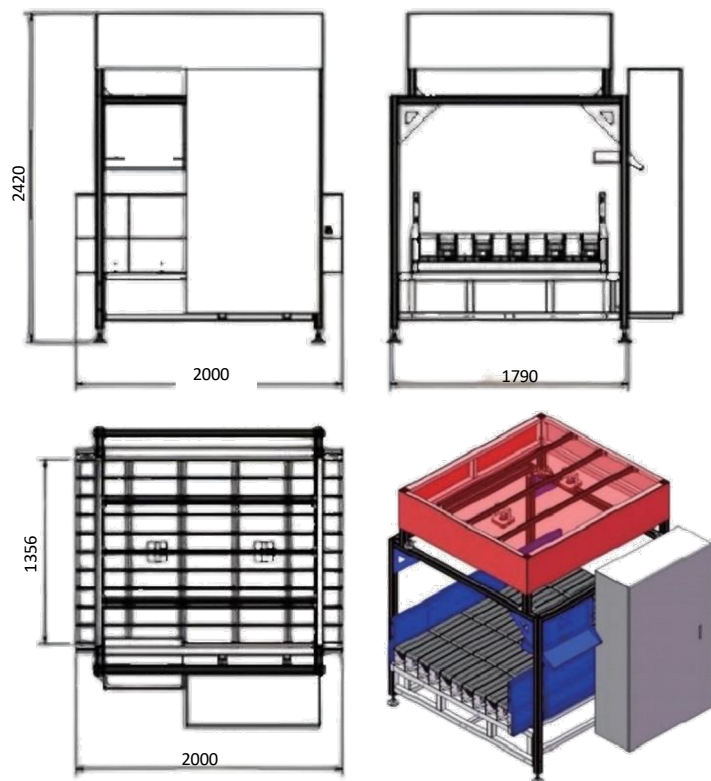


1. Designed to integrate with express sorting systems or serve as a front-end package dispersion, separation, and centering unit.
2. Compatible with both circular cross-belt sorters and linear cross-belt sorters.
3. Implements flow-controlled operation to maximize throughput and sorting efficiency

Operating Speed	0.5 - 2 m/s
Throughput Capacity	1,800 - 7,200 parcels per hour
Max Parcel Dimensions	800 × 800 × 600 mm (L × W × H)
Min Parcel Dimensions	150 × 150 × 10 mm (L × W × H)
Singulation Success Rate	≥ 99% (Applicable to non-rolling parcels with diffuse reflection surface reflectivity > 10%)
Weight Range	0.3 kg - 60 kg
Max Power Consumption	≥ 4 kW
Surface Characteristics	-
Operating Temperature	-10°C to 50°C
Power Supply	220 V
Operating Speed	0.5 - 2 m/s

5x10 Automatic Singulation System

System Advantage



Overall: 2000 × 1790 × 2420 mm (L×W×H)
 Working Height: 800 mm

The logistics parcel singulation system primarily consists of a separation belt conveyor and a vision recognition system. The separation belt conveyor creates spacing between parcels. It supports seamless integration with various automated sorting equipment. Compared to traditional manual sorting operations, it significantly reduces labor investment and improves parcel processing efficiency.

Component	Specification	Brand
Servo Motor	0.4 kW	Sine Electric, Leadshine
Electric Roller	200 W	Dalian Moandy
3D Camera	Intelligent Binocular Stereo Camera	Hikvision
Belt	PVC	Siebeck, Yongli
Bearings	-	NSK, FHD, Harbin Bearing
Low-Voltage Control	Buttons, Switches, Relays	Schneider Electric

Partial Success Stories



Dongyuan Yunda Site



Hangzhou Yuantong Secondary Warehouse Site Photo 1



Nanchang Yuantong Secondary Warehouse



Hangzhou Yuantong Secondary Warehouse Site Photo 2



Wenling Muyu Yunda Site



Yiwu Yuantong Site

Partial Success Stories



Shenzhen Air Mail Processing Center Site



Xi'an JD Transfer Center Site



Xi'an JD Transfer Center Site



Chengdu Yuantong Southwest Transfer Center Site



Cainiao Changchun Transfer Center Site



Tianjin Vipshop Site

Cooperation partner



Service

PRE-SALE SERVICE

Based on high-quality products and extensive experience, we propose solutions tailored to the specific realities of each client's factory. To better serve our customers, we have established three support systems that maximize the unique strengths of our production, sales, and service departments:

1. **Rapid Equipment Supply:** We promptly provide the mechanical equipment required based on customer orders.
2. **Technical Collaboration:** We work jointly with clients to resolve complex challenges in their production and processing technologies.
3. **Factory Layout Consulting:** Leveraging professional mechanical expertise and a highly skilled sales team, we offer comprehensive recommendations for entire factory layouts.

1. **Repair Request:** The customer reports the issue via telephone.
2. **Logging & Scheduling:** The fault is recorded, and the earliest possible time for an on-site visit is scheduled.
3. **Parts Preparation:** A after-sales service engineer is assigned to retrieve the necessary spare parts related to the specific fault.
4. **On-Site Service:** The engineer travels to the customer's factory at maximum speed to diagnose and repair the machine.
5. **Confirmation:** The "On-Site Service Registration Form" is signed by the customer to confirm the quality of service.
6. **Archiving & Follow-up:** Service records are archived, and a follow-up visit/call is conducted to ensure continued satisfaction.

Thanks For Watching

Contact us

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