APOLLO

# APOLLO



Your Trusted Partner

Professional manufacturer of Intelligent Storage,
Automatic Sorter, Vertical Lifter and Logistics Conveyor

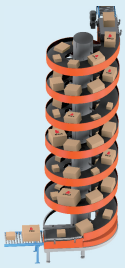
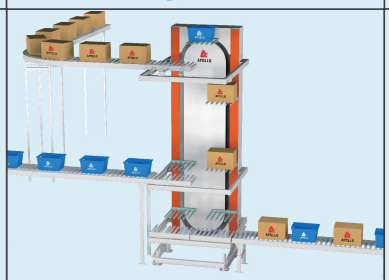
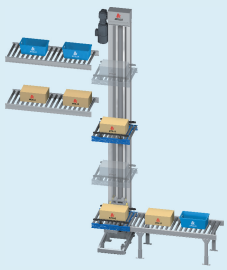
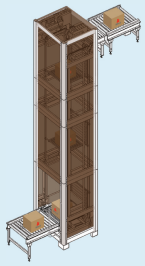
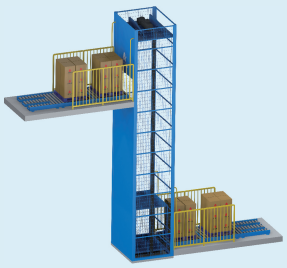
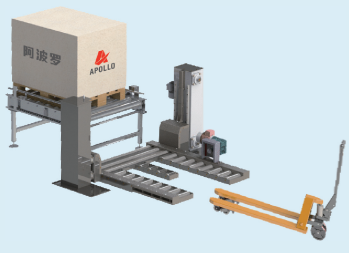
# Product Brochure

www.sz-apollo.com

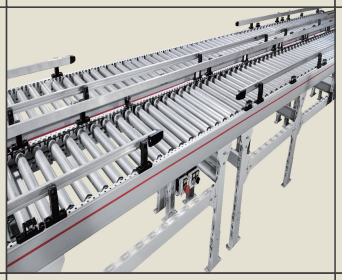
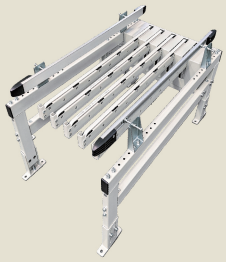
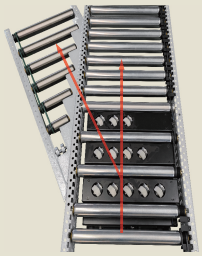
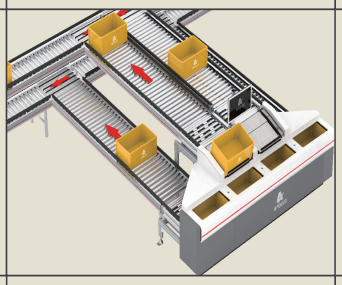
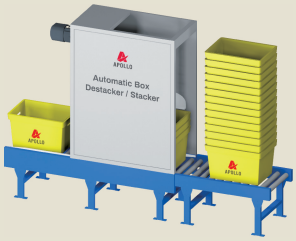
Product Video

What are you looking for ?

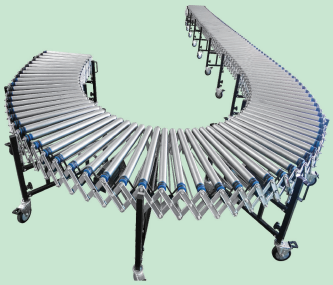
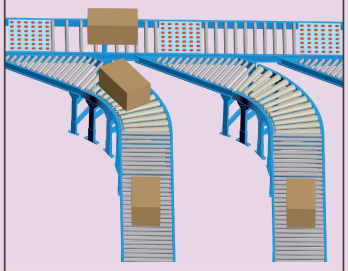
# APOLLO Product Catalog (1)

| Type | Product Name | Photo | Characteristics | Page |
|---|---|---|---|---|
| Vertical Lifter Series | **Spiral Conveyor** |  | ● Equipment column: aluminum alloy<br>● Equipment height: single unit ≤12m (Multiple units can reach up to 40m)<br>● Slat width: 500 / 600 /650 / 900mm<br>● Efficiency: 2000-4000 products/hour<br>● Conveying products: cartons / tumover boxes / woven bags, etc. | P.07-16 |
| | **Rotative Lifter** |  | ● Main structure: Aluminum alloy column<br>● Equipment Height: ≤60m<br>● In and out process: one in and one out<br>multiple in and multiple outs<br>● Efficiency: 750-1200 products/hour<br>● Conveying products: cartons / turnover boxes, etc. | P.17-21 |
| | **Reciprocating Lifter** |  | ● Equipment column: aluminum alloy<br>● Equipment height: ≤50m<br>● Equipment load: ≤50kg/product (light type)<br>≤200kg/product (medium type)<br>≤500kg/product (heavy type)<br>● Efficiency: 200-600 products/hour<br>● Conveying products: cartons / turnover boxes, etc. | P.22-26 |
| | **Continuous Lifter** |  | ● Equipment material: carbon steel / stainless steel<br>● Equipment height: ≤15m<br>● Equipment type: Z type, C type<br>● Efficiency: 600-1200 products/hour<br>● Equipment load: ≤50kg/product | P.27-29 |
| | **Pallet Lifter** |  | ● Equipment material: carbon steel<br>● Equipment height: ≤50m<br>● Equipment load: ≤1000kg (light type)<br>≤2000kg (medium type)<br>≤3000kg (heavy type)<br>● Efficiency: 60-100 pallets/hour | P.30-34 |
| | **Pallet Jack Lifter**<br>**Pallet Conveyor** |  | ● Equipment frame: carbon steel<br>● Lifting height: 80-2000mm<br>● Equipment load: 1000-3000kg/pallet<br>● Conveying products: pallet, cage cart, material rack | P.35-36<br>P.37-38 |

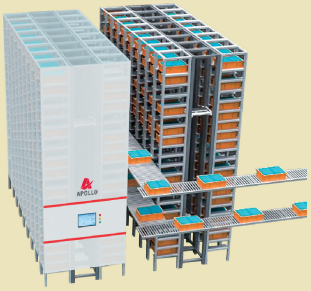
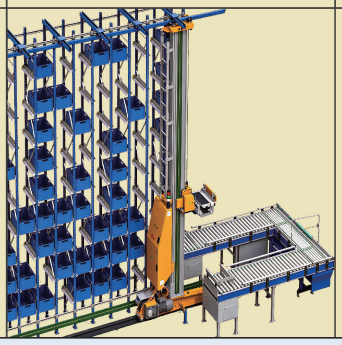
# APOLLO Product Catalog (2)

| Type | Product Name | Photo | Characteristics | Page |
|---|---|---|---|---|
| Logistic Conveyors Series | **Logistic Conveyor** |  | ● Equipment type: Roller type, Belt type<br>● Equipment material: carbon steel, stainless steel<br>● Drive mode: RollerDrive, Reduction motor<br>● Equipment specifications: customized | P.39-41 |
| | **AGV Comb-type Transfer** |  | ● Equipment load: ⩽50kg (can customize other loads)<br>● Compatible container type: Plastic tote bin<br>● Drive type: Motorized roller<br>● Application: Transfer docking with STU, CTU and AGV | P.42 |
| | **Pop-up Transfer** |  | ● Applicable scope: 400-800mm width roller conveyor line<br>● Main function: 90 degree tum or right angle sorting<br>● Transfer efficiency: ≈1800 products/hour<br>● Conveying products: cartons / turnover boxes, etc.<br>● Installation method: inserted type, equip support legs | P.43-50 |
| | **Pop-up Diverter** |  | ● Applicable scope: 400-800mm width roller conveyor line<br>● Diversion efficiency: ≈2400 products/hour<br>● Driving mode: motorized drive roller<br>● Conveying products: cartons / turnover boxes, etc.<br>● Installation method:<br>embedded hanging, equip support legs | P.51-53 |
| | **Picking Station** |  | ● Equipment material: Carbon steel powder coated<br>● Main function: Goods-to-person picking<br>● Picking efficiency: ≈600 boxes/hour<br>● Product advantages: ergonomic and high picking efficiency | P.54-56 |
| | **Automatic Box Destacker / Stacker** |  | ● Destack / stacker capacity: 2-20 boxes/stack<br>● Throughput: 500-850 boxes/hour<br>● Action mechanism: Full servo mechanism (no air supply)<br>● Conveying products: Standard turnover box / plastic basket<br>● Dimensions: L1800xW600xH1800mm | P.57-58 |

# APOLLO Product Catalog (3)

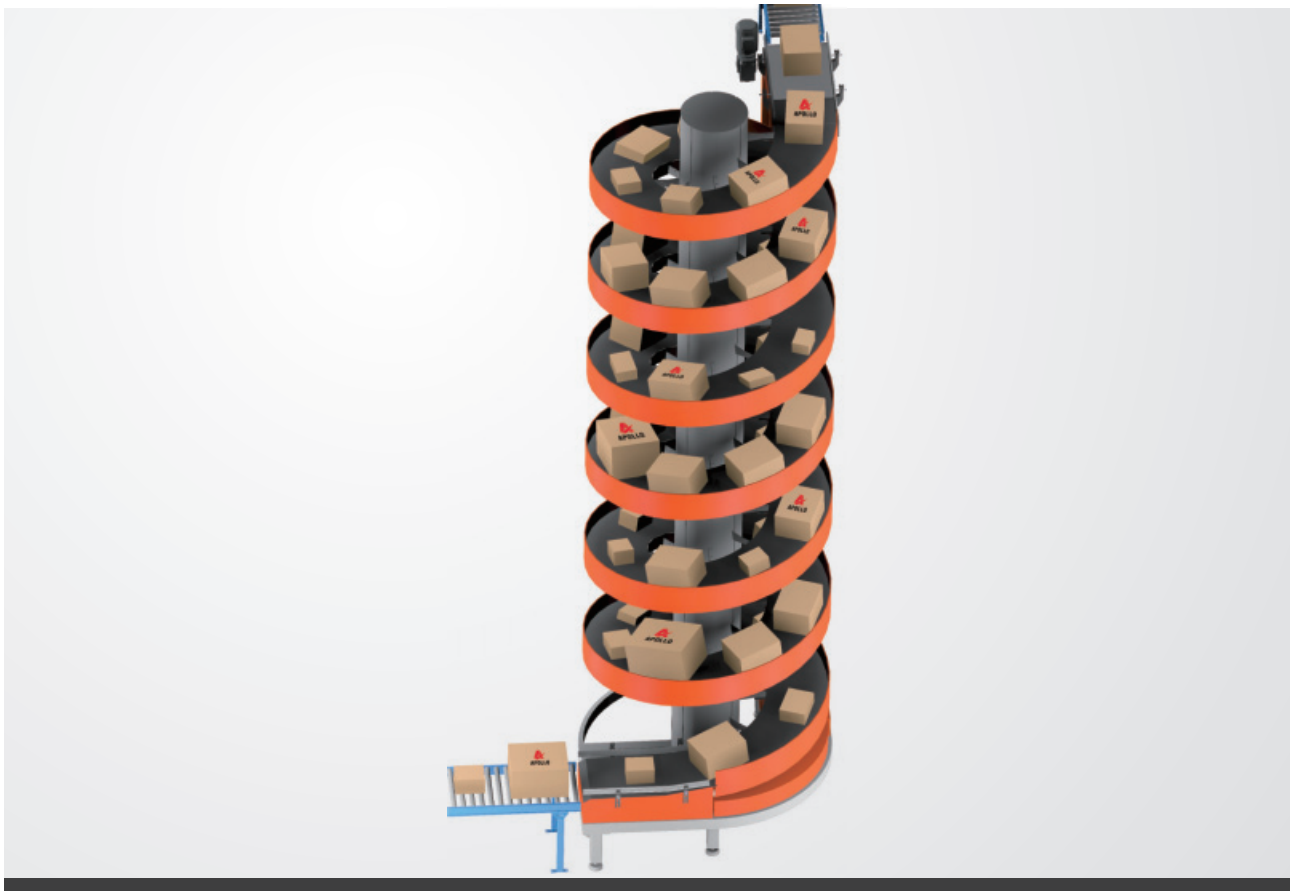
| Type | Product Name | Photo | Characteristics | Page |
|---|---|---|---|---|
| Loading Series | **Telescopic Belt Conveyor** |  | ● Equipment type: fixed, movable<br>● Equipment function: easy loading and unloading<br>● Suitable for:<br>6.8m,9.6m, 13m, 17.5m trucks, 20/40ft container<br>● Loading and unloading efficiency:<br>1000-2000 products/hour | P.59-65 |
| | **Flexible Roller Conveyor** |  | ● Roller material: galvanized, stainless steel 304<br>● Equipment function: transportation of goods in the warehouse<br>● Product advantages: flexible and easy to move<br>● Equipment power: single-phase 220V, three-phase 380V | P.66-68 |
| | **Mobile Loading Conveyor** |  | ● Usage: portable mobile<br>● Extendable length: 6m into the truck<br>● Suitable models: 20ft container, 6.8m, 9.6m and other small or medium-sized trucks | P.69-70 |
| Automatic Sorter Series | **Sliding Shoe Sorter** |  | ● Equipment type: single-sided, double-sided sorting<br>● Sorting efficiency: 5000-10000 products/hour<br>● Equipment length: up to approx. 120 m<br>● Sorting goods: cartons, turnover boxes, plastic baskets, tires, large parcels, etc.<br>● Product advantages:<br>can sort large, long, heavy and special-shaped items | P.71-78 |
| | **Steerable Wheel Sorter** |  | ● Equipment type: single-sided, double-sided sorting<br>● Sorting efficiency: 2000-4000 products/hour<br>● Sorting products:<br>cartons, turnover boxes, plastic baskets, etc. | P.79-81 |

# APOLLO Product Catalog (4)

| Type | Product Name | Photo | Characteristics | Page |
|---|---|---|---|---|
| Automatic Sorter Series | **Pop-up Sorter** |  | ● Equipment type: single-sided, double-sided sorting<br>● Sorting efficiency: ≈2000 products/hour<br>● Sorting products:<br>cartons, turnover boxes, plastic baskets, etc. | P.82-83 |
| | **Small-parcel Sliding Shoe Sorter** |  | ● Equipment type: single-sided, double sided sorting<br>● Sorting efficiency: ≈5000 products/hour<br>● Sorting outputs: ≈240 outputs/unit<br>● Sorting products: can sort small products of 50-300mm<br>● Picking goods:<br>small cartons, books, fresh food, snacks, condiments, cylindrical packaged goods, etc. | P.84-86 |
| Intelligent Storage Series | **APOLLO Compact Smart Warehouse** |  | ● Equipment function: Intelligent storage / retrieval of goods<br>● Equipment advantages:<br>● Goods buffer, efficient inbound / outbound<br>● Application:<br>In conjunction with the **APOLLO Small-parcel Sliding Shoe Sorter** to achieve high efficiency picking of goods | P.87-88 |
| | **Miniload AS / RS** |  | ● Equipment function: Intelligent storage of goods<br>● Miniload stacker: Single-column structure made of aluminum profiles<br>● Stacker height: 3-10 meters<br>● Telescopic Fork: Plate-type Fork, Clamping Fork<br>● Rated load capacity: Max.100kg | P.89-90 |

More new products coming soon...

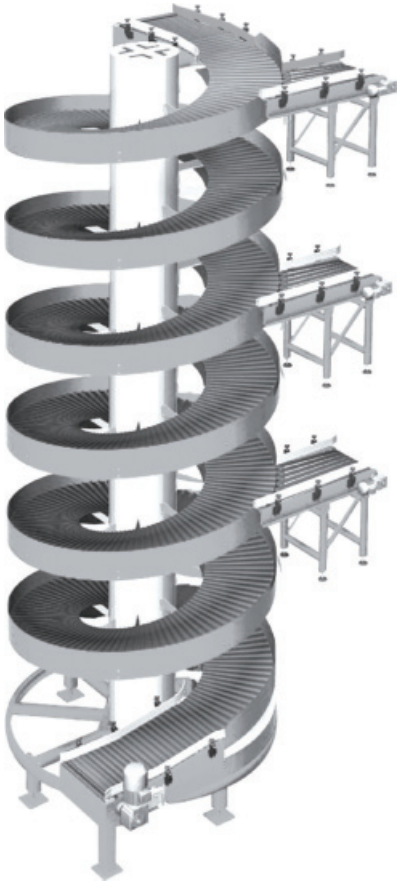
# Spiral Conveyor



Product introduction:
See P.08-16 for details

Scan QR code on WeChat to watch video

# Selection parameters of APOLLO spiral conveyor (logistics type)



**Suitable for heavy goods up to 50kg, 7×24h operation and speed up to 60m/min with stable running.**

The vertical conveying capacity of spiral conveyor is faster and more reliable than other forms of conveyors or lifters.

APOLLO Spiral Conveyor adopts modular design, multiple specifications are available to meet different size of goods. It is suitable for vertical transportation for cartons, plastic totes and partial woven bags etc.

APOLLO Spiral Conveyor uses low friction slat and rolling friction bearing, which has the characteristics of low wear and low noise.

APOLLO Spiral Conveyor is widely used in food and beverage, pharmaceutical, fast consumer goods, clothing, electronic products and other industries.

### 1. Machine Advantages

Low friction structure, stable and reliable
Low noise running, quiet and comfortable

### 2.Safety Protection

Stuck goods/ overload protection
Automatic chain loosening protection

### 3.Slat

Inserted slat
Easy to replace

### 4.Chain

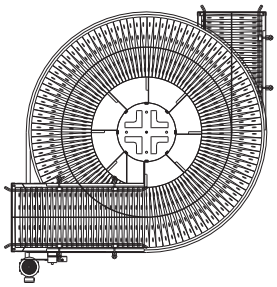
Automatically tensioning chain
By Spring / Pneumatic

### 5.Center column

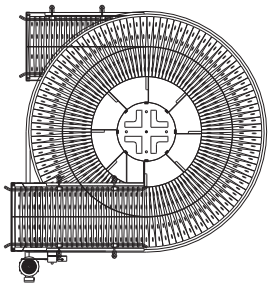
Aluminum structure, accurate positioning
Exquisite and beautiful appearance

### 6.Installation and maintenance

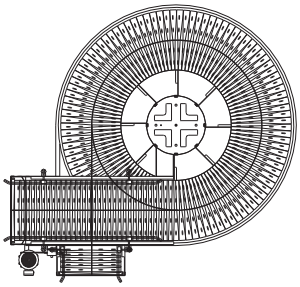
Easy installation, deliver in fully assembled or disassembled
Convenient and fast maintenance



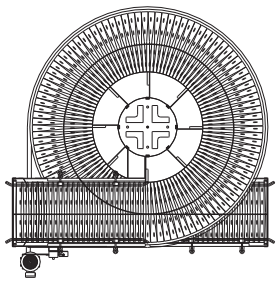
Type A：90°



Type B：180°



Type C：270°



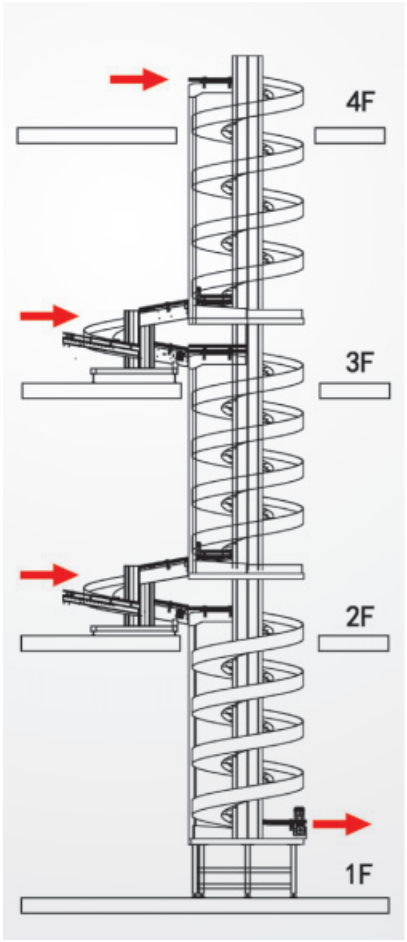
Type D：360°

| Model | Slat width | Abutting conveyor width | Run speed | Rated load | Outer diameter | Equipment height | Equipment material |
|---|---|---|---|---|---|---|---|
| A-500 | 500mm | ⩽580mm | ⩽60m/min | ⩽50kg/m | ϕ2200mm | single unit⩽11m ( Higher height, multi-unit connectable ) | Carbon steel (customizable color) Stainless steel 304 |
| A-650 | 650mm | ⩽730mm | ⩽60m/min | ⩽50kg/m | ϕ2550mm | single unit⩽11m ( Higher height, multi-unit connectable ) | Carbon steel (customizable color) Stainless steel 304 |
| A-900 | 900mm | ⩽1000mm | ⩽60m/min | ⩽50kg/m | ϕ4000mm | single unit⩽11m ( Higher height, multi-unit connectable ) | Carbon steel (customizable color) Stainless steel 304 |
| B-600 | 600mm | ⩽680mm | ⩽60m/min | ⩽50kg/m (Standard) | ϕ2400mm | single unit⩽14m ( Higher height, multi-unit connectable ) | Carbon steel (customizable color) Stainless steel 304 |
| BH-600 | 600mm | ⩽680mm | ⩽60m/min | ⩽100kg/m (Heavy-duty) | ϕ2400mm | single unit⩽10m ( Higher height, multi-unit connectable ) | Carbon steel (customizable color) Stainless steel 304 |

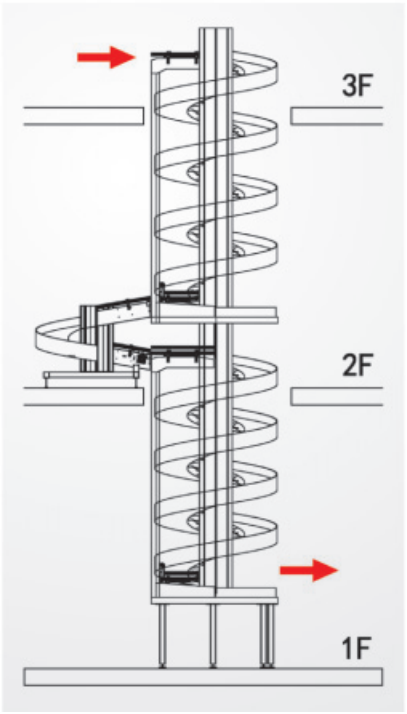
Note: The above specifications are APOLLO standard models. If you need other specifications and sizes, please contact our sales.

# Types of APOLLO Spiral Conveyor

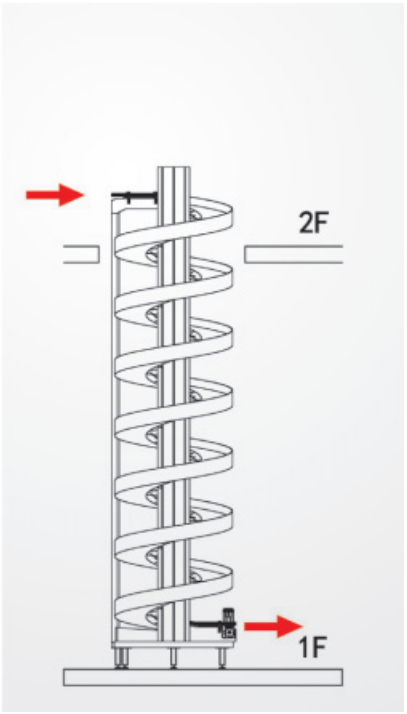
- Multiple entrances on different floors
- Multiple units superposition, spiral transportation
- Safe and reliable, easy maintenance
- Effectively reduce the cost of vertical transportation




**Three infeed One outfeed**




**One infeed One outfeed**
**(2 units superposition)**




**One infeed One outfeed**

APOLLO spiral conveyor adopts modular component assembly and plug-in combined slats. The slats are injection molded and have good toughness and strength.

APOLLO spiral conveyor use a unique low-friction guide device structure (high-precision and very low-friction bearings, high-load traction chains, and rolling tracks made of wear-resistant materials).

APOLLO Spiral Conveyor is simple control, stable and reliable operation, easy maintenance and long service life.



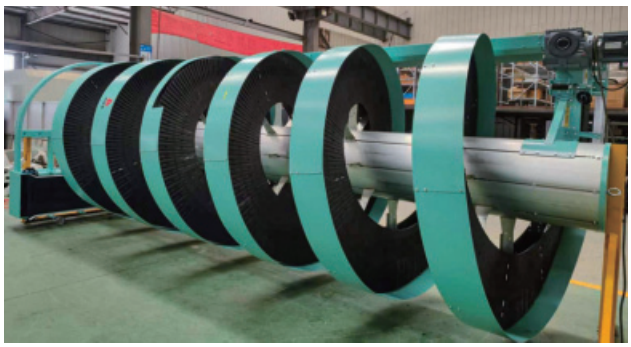
# Production of APOLLO Spiral Conveyor

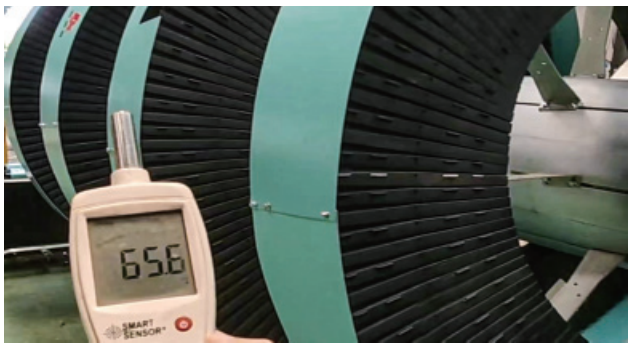
Production in factory





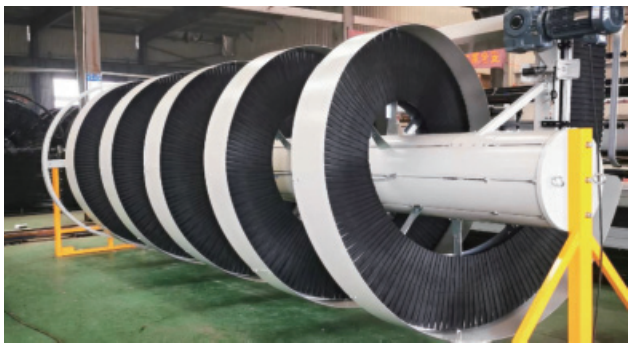
Performance test






Commissioning at factory





Transportation





# Delivery of APOLLO Spiral Conveyor

Installation









# APOLLO Logistics Spiral Conveyor – On-site Application Case (1)









# APOLLO Logistics Spiral Conveyor – On-site Application Case (2)






# APOLLO Logistics Spiral Conveyor – On-site Application Case (3)

(Multi-unit Interconnection Type)










# APOLLO Wide-width Logistics Spiral Conveyor

(For Oversized Goods)



# APOLLO Stainless Steel Spiral Conveyor

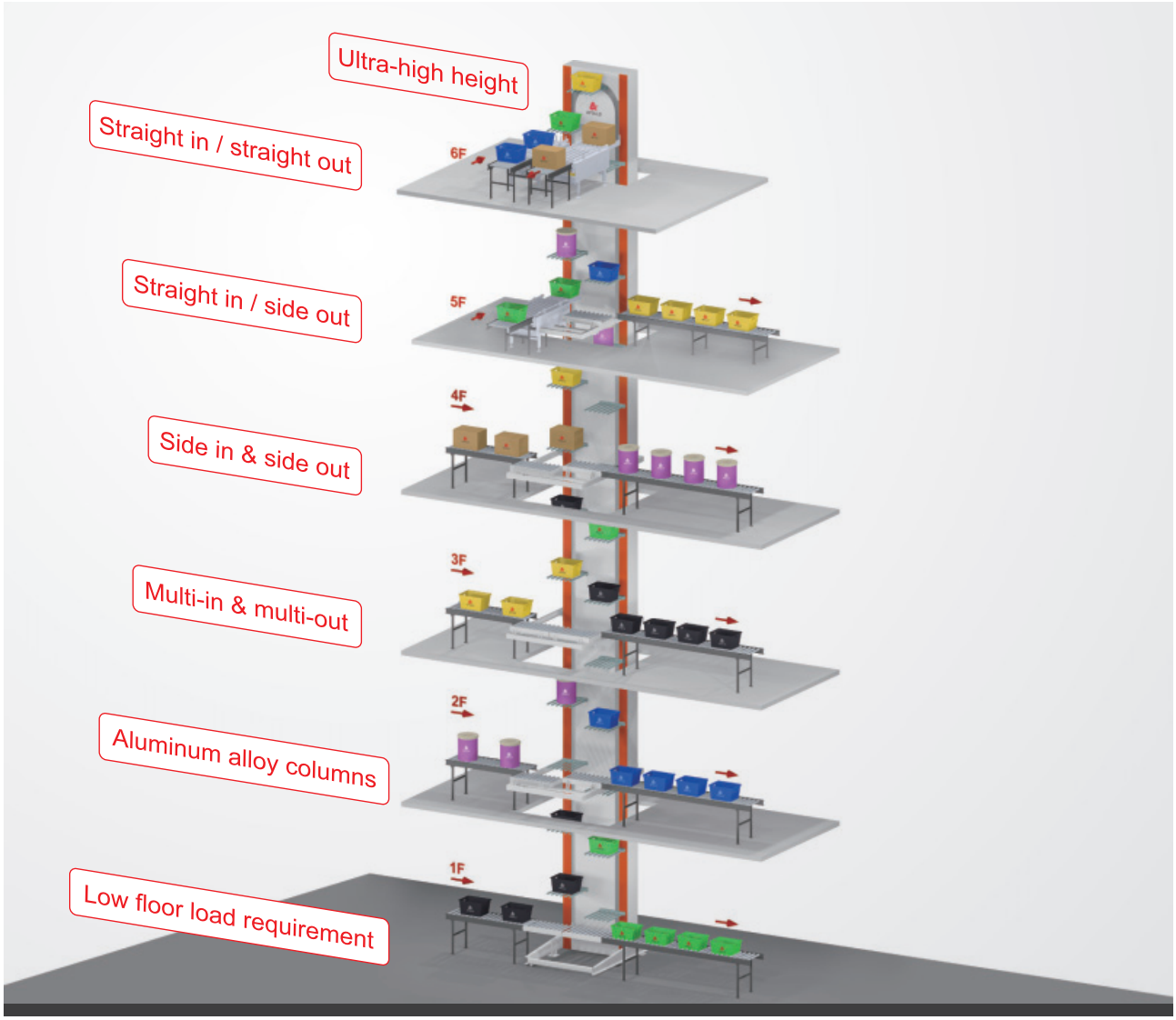


- High efficiency, Small space occupation
- Low noise running, quiet and comfortable
- Max speed 60m/min, Max capacity 50kg/m
- Built-in protection, able to run 7×24 hours






# Rotative Lifter

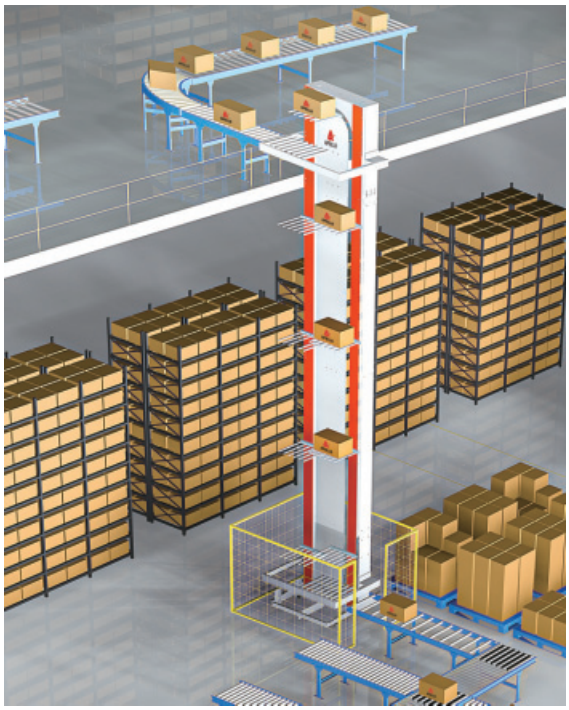


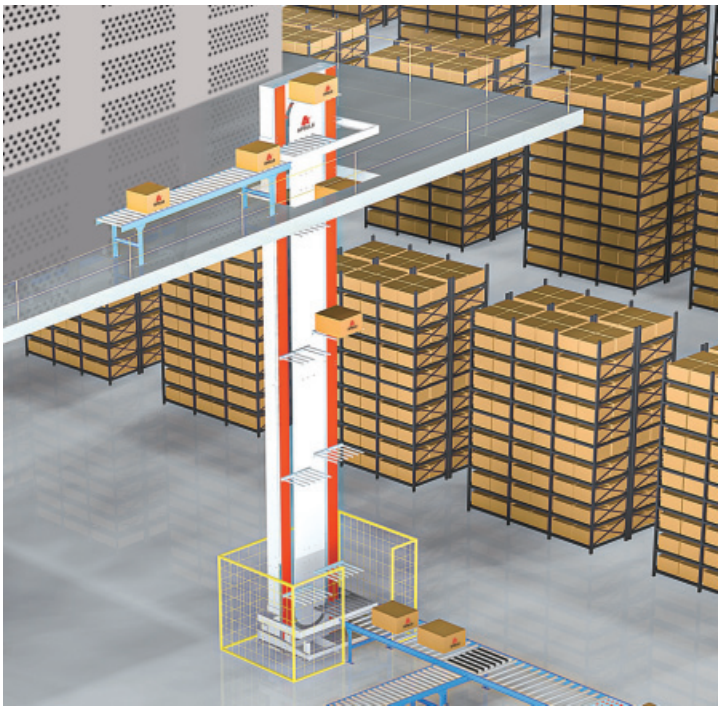

Product introduction:
See P.18-21 for details

Scan QR code on WeChat to watch video

# Selection parameters of APOLLO Rotative Lifter

APOLLO design and customize different forms of infeed and outfeed conveyors according to the working process in factory, integrate them seamlessly with other delivery systems. Help customers to improve production line efficiency and ensure their material handling needs are met and operation costs are reduced.





APOLLO Rotative Lifter is suitable for a wide range of products, such as cartons, turntable boxes, crates, plastic totes, bags, drums etc.











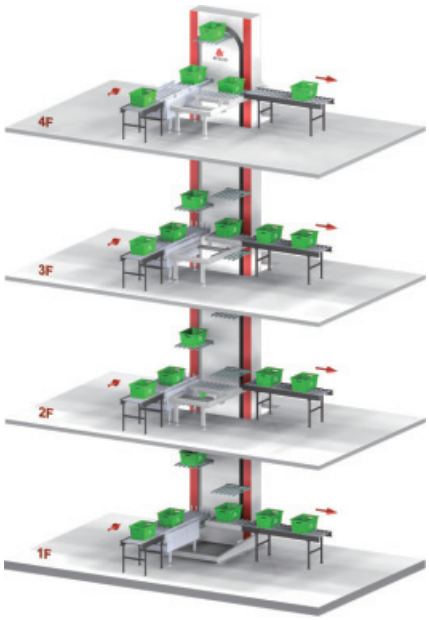




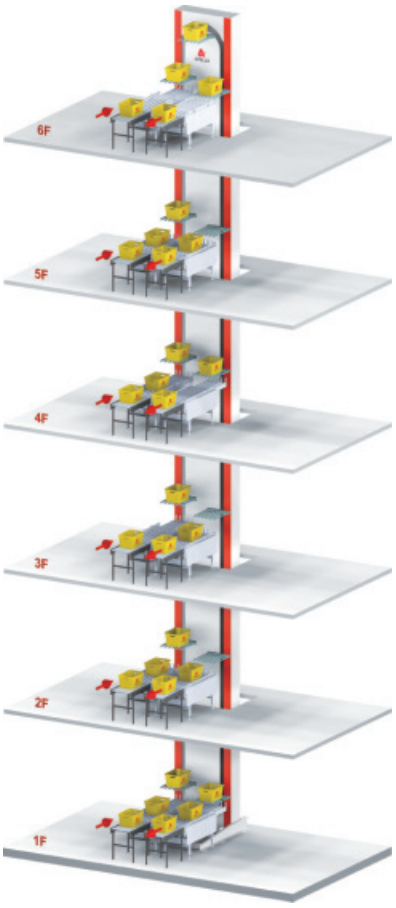


| Rotative Lifter Equipment Parameters | | |
|---|---|---|
| Item | XH-1 Standard Type | XH-2 Widened Type |
| Cargo Dimension | Max：L650×W500×H500mm | Max：L850×W600×H600mm |
| Equipment Material | Column / Rail (aluminum alloy, custom mold), Fork trolley (precision-machined aluminum plate) | |
| Inlet / Outlet Configuration | Single-in Single-out / Single-in Multi-out / Multi-in Single-out / Multi-in Multi-out | |
| Infeed Direction | Straight In (C-type), Side In (Z-type) | |
| Outfeed Direction | Straight Out (C-type), Side Out (Z-type) | |
| Inlet / Outlet Conveyor Docking Type | Telescopic Docking Conveyor (C-type), Transverse Transfer Docking Conveyor (Z-type) | |
| Height of Connecting Conveyor at Inlet & Outlet | Bottom layer ⩾750mm, other layers ⩾500mm | |
| Max. Lifting Height | ⩽ 60m | |
| Rated Load | ⩽ 50kg | |
| Throughput | ⩽ 750 pcs/h (Multi-in Multi-out type), ⩽ 1200 pcs/h (Single-in Single-out type) | |

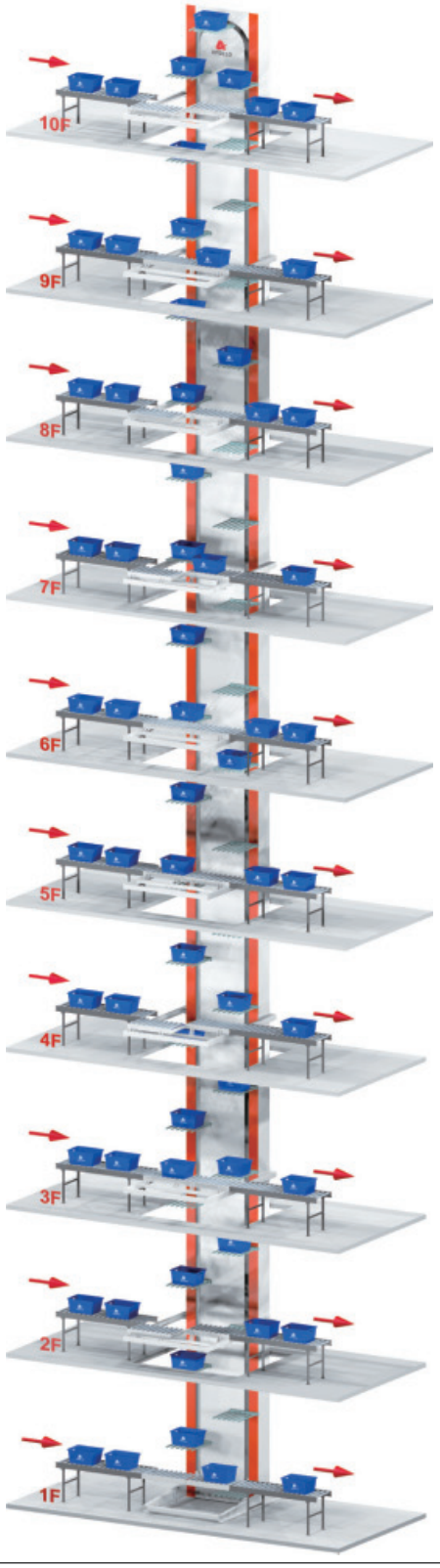
# Types of APOLLO Rotative Lifter




Type L

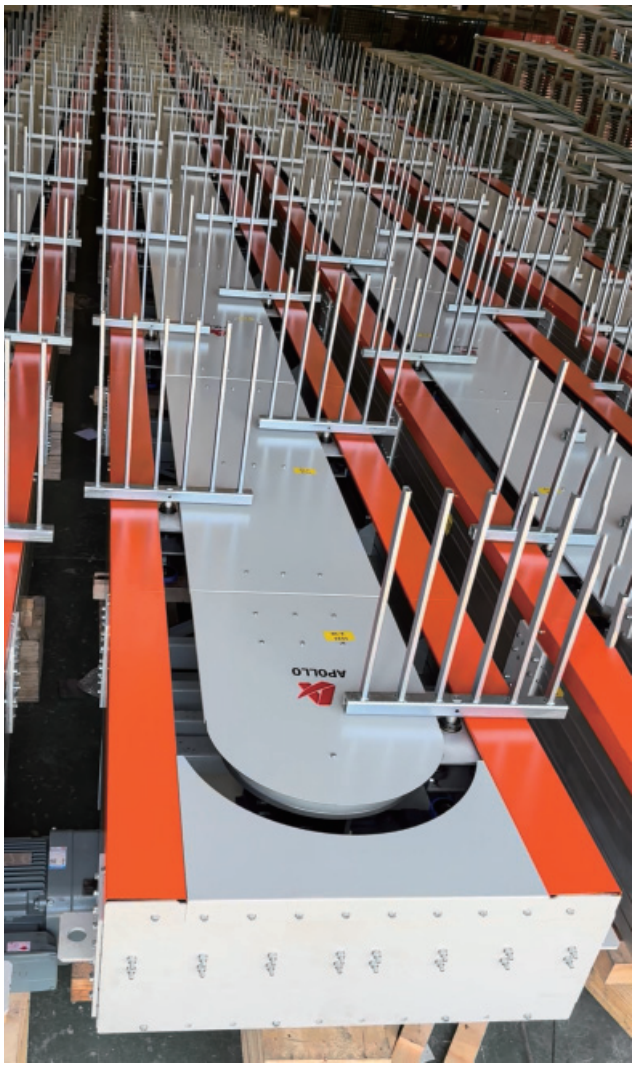



Type C

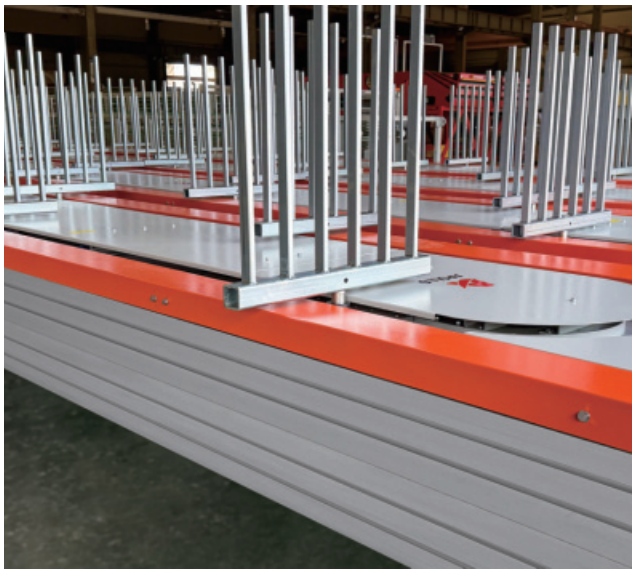



Type Z

# APOLLO Aluminum Alloy Rotative Lifter – Product Image







# Application of APOLLO Rotative Lifter





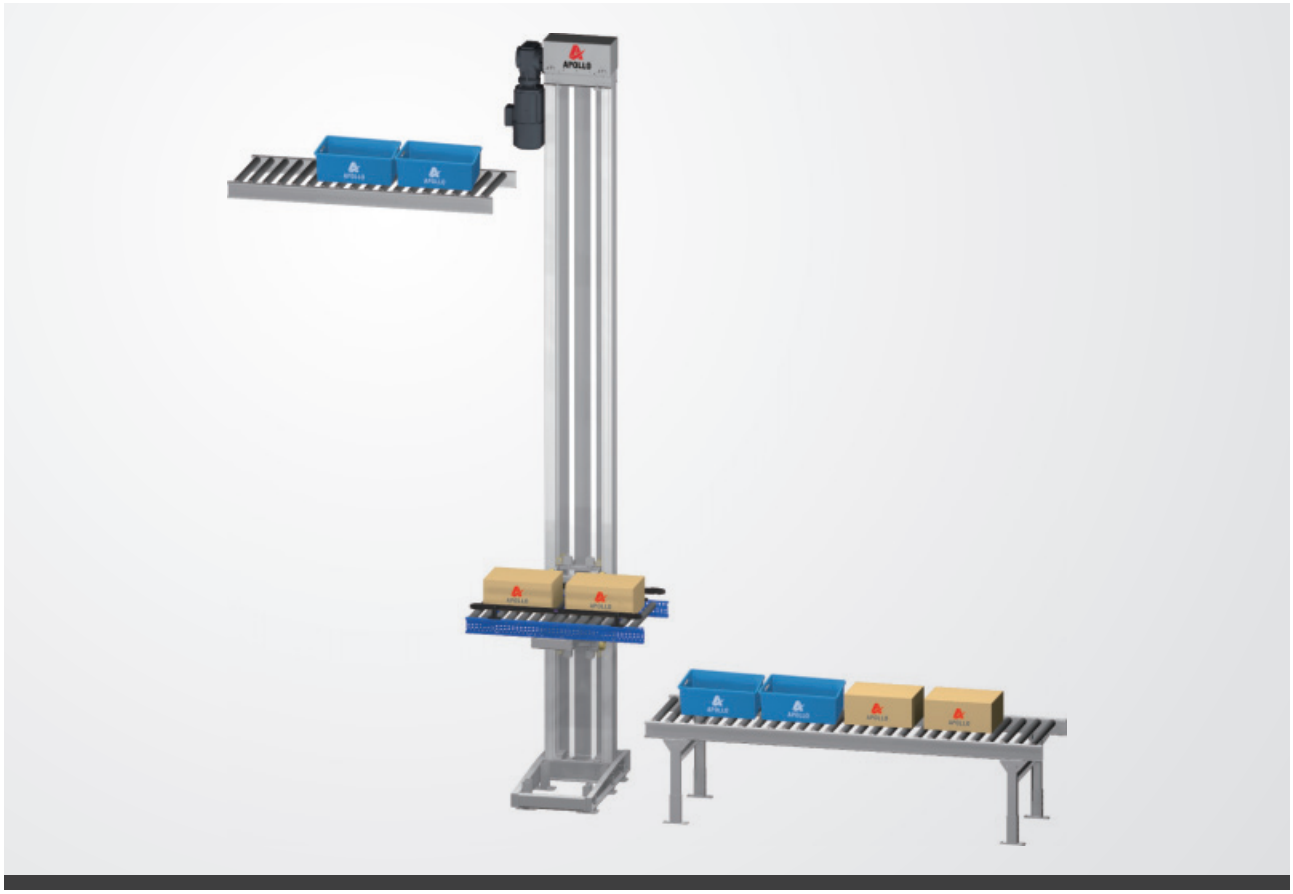









# Reciprocating Lifter



Product introduction:
See P.23-26 for details

Scan QR code on WeChat to
watch video

# Selection parameters of APOLLO Reciprocating Lifter




Single layer single station



Double-layer single-station



Three-layer single-station



Single layer double station



Double layer double station



Long material type

| Parameter Name | Equipment Specification | | | | | |
|---|---|---|---|---|---|---|
| Applicable Cargo Size | L250-1600mm × W250-800mm × H10-600mm | | | | | |
| Lifting Height | ⩽50 m (Main column: custom molded aluminum alloy) | | | | | |
| Operating Speed | 1m/s - 6m/s (Subject to actual requirements) | | | | | |
| Rated Load | ⩽50kg/pc (Light duty), ⩽200kg/pc (Medium duty), ⩽500kg/pc (Heavy duty) | | | | | |
| Lifting Throughput | 200-600 pcs/h (Subject to actual requirements) | | | | | |
| Traction Method | Timing belt, chain (Servo motor for driving) | | | | | |
| Conveyor Docking Height | ⩾500mm (Standard type), ⩾250mm (Custom type) | | | | | |
| Outer Safety Guard Style | Mesh guard (custom paint color), PC sheet guard (transparent or smoked) | | | | | |
| Carrier Platform Type | Single-layer Single-station | Single-layer Dual-station | Double-layer Single-station | Double-layer Dual-station | Triple-layer Single-station | Triple-layer dual-station |

Note: If you have special requirements, please contact APOLLO.

# Application of APOLLO high-speed Reciprocating Lifter

Reciprocating Lifter is a kind of discontinuous vertical conveyor, which has the advantages of small occupation, lifting wide range of goods, stable operation and simple maintenance.

APOLLO lifter is driven with silent synchronization belt, which is very quiet during operation. In addition, there is little maintenance of this mechanism, no need lubrication and tension regulation compared to chain-driven structures.

### APOLLO Reciprocating Lifter can be quickly and flexibly integrated into the project system

APOLLO Reciprocating Lifter follows the highly standardized and modular design concept, the main column is the standard aluminum column, the loading platform is roller conveyor with standard configuration. If the transported product has certain particularity, APOLLO can also choose to use belt conveyor or other specific carriers. Due to the small size of the lifter itself, it can be quickly integrated to the conveyor system of production or logistics distribution.

### Wide Application

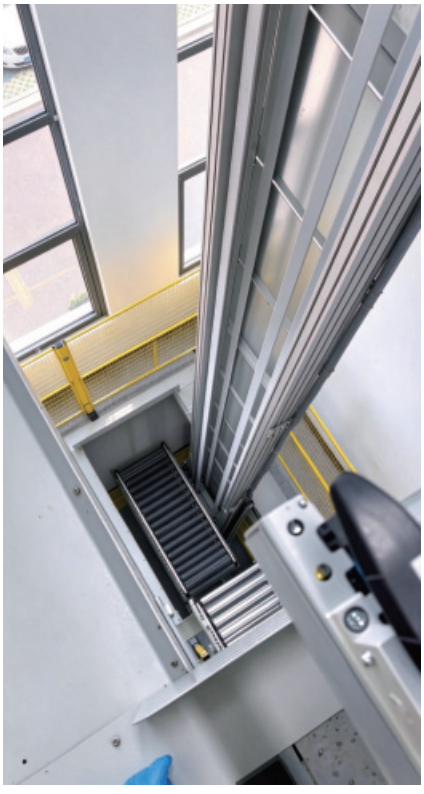
For the infeed / outfeed direction of Reciprocating Lifter, there are a variety of forms to choose, so the site layout is flexible and convenient. APOLLO Reciprocating Lifter can also dock with multiple infeed or outfeed conveyors to achieve vertical sorting, the components of lifter are highly standardized, low maintenance, it is a very economic and durable vertical sorting conveyor.

Reciprocating lifter is suitable for wide range of products, such as cartons, turnover boxes, cartons, crates, pallets, bags, drums, etc.

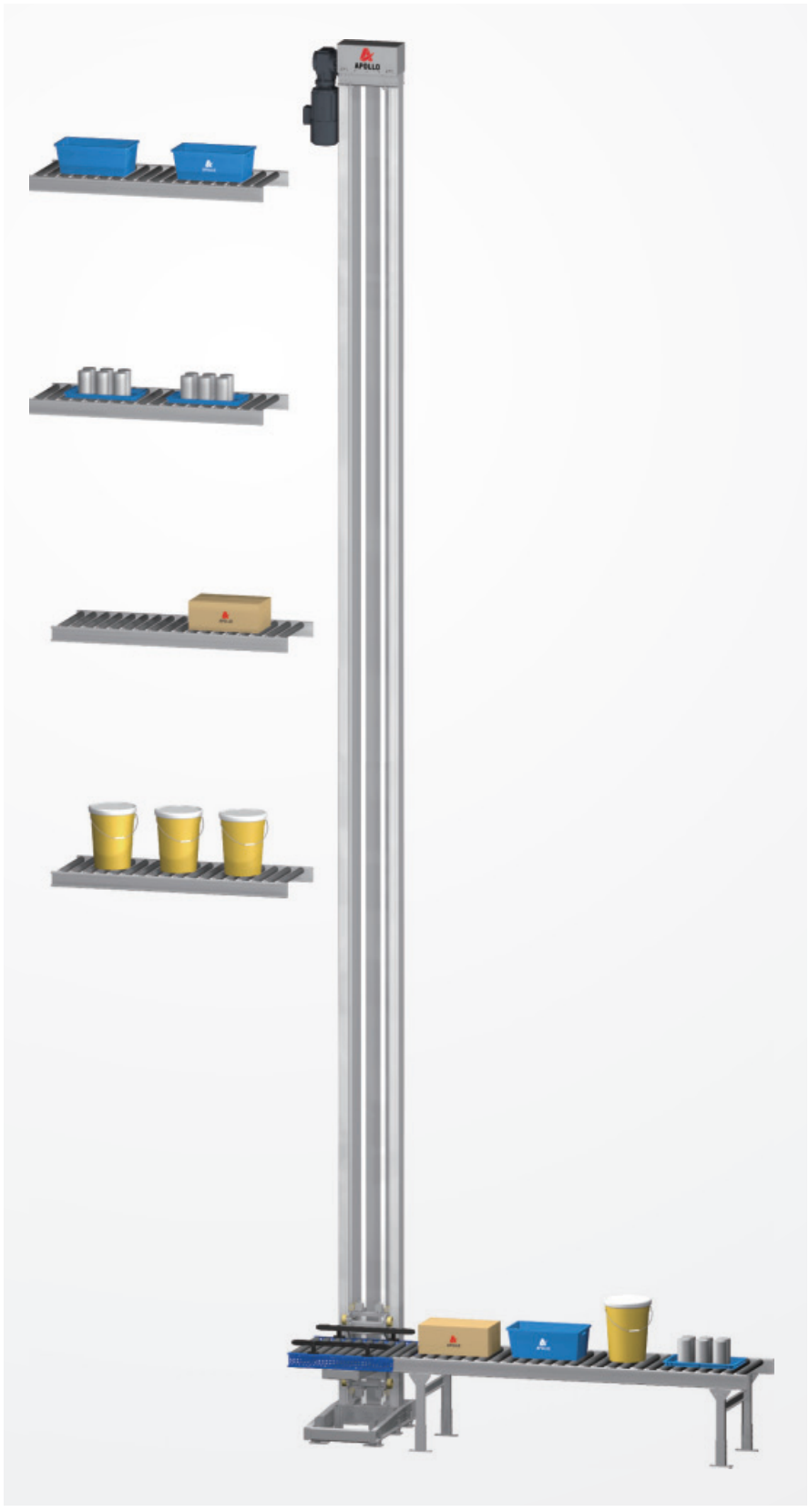






# Application of APOLLO Reciprocating Lifter (1)









# Application of APOLLO Reciprocating Lifter (2)

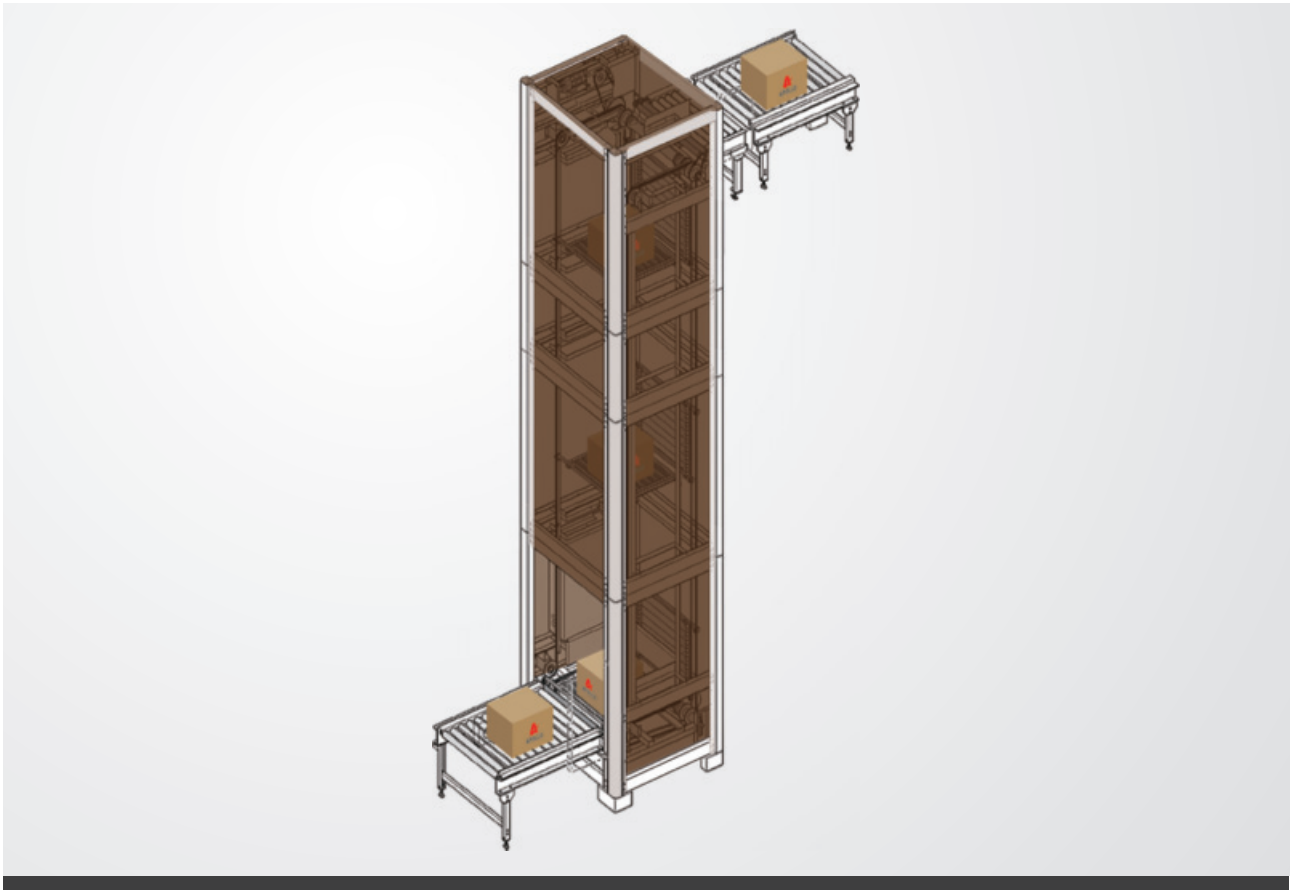








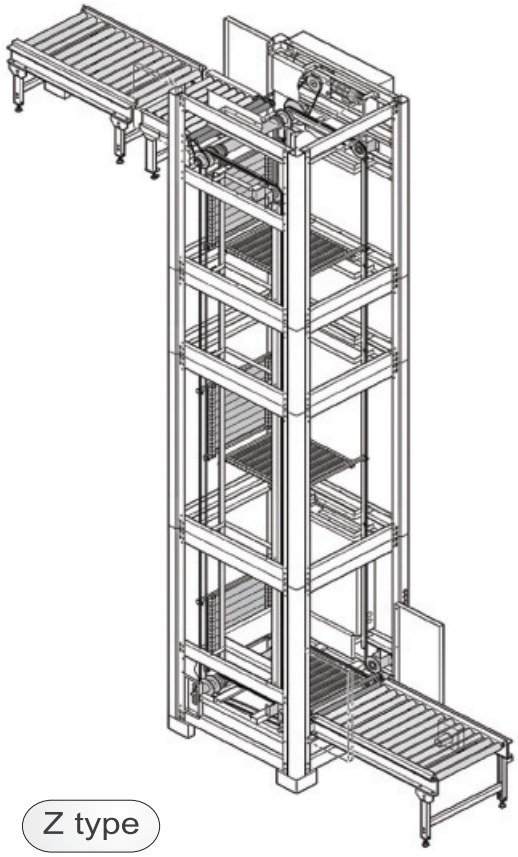
# Continuous Lifter



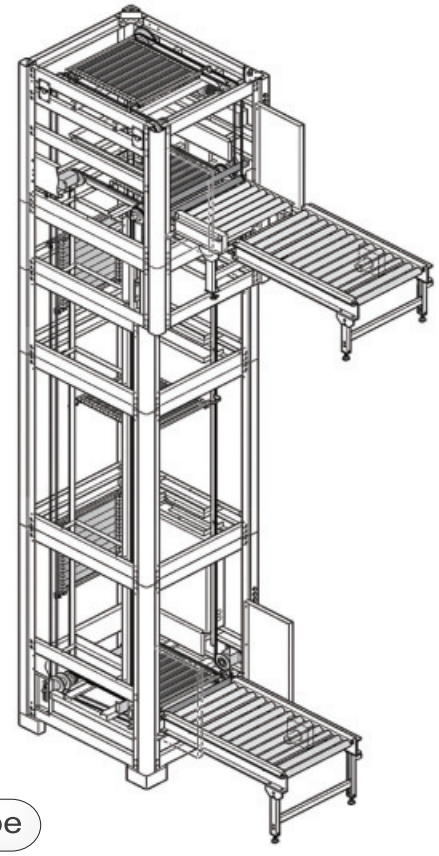
Product introduction:
See P.28-29 for details

Scan QR code on WeChat to
watch video

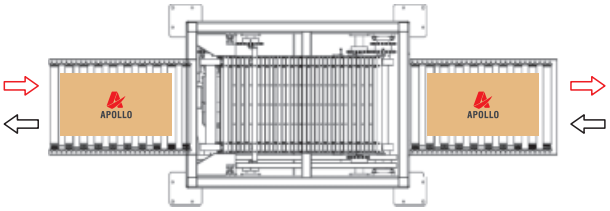
## Selection parameters of APOLLO Continuous Lifter

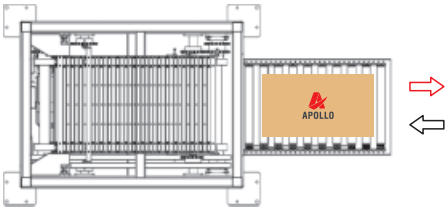


Z type



C type





| Parameter Name | Equipment Specification |
|---|---|
| Equipment Type | Z-type, C-type, E-type |
| Equipment Height | ⩽50 m |
| Pallet + Cargo Dimension | L800-1800mm × W800-1800mm × H100-2500mm |
| Load Capacity | ⩽1000kg (Light duty), ⩽2000kg (Medium duty), ⩽3000kg (Heavy duty) |
| Lifting Throughput | 60–100 pallets/h (Subject to actual requirements) |
| Lifting Speed | 30m/min – 60m/min (Subject to actual requirements) |
| Equipment Material | Painted carbon steel (color customizable) |
| Docking Equipment at Inlet & Outlet | Roller conveyor, chain conveyor, AGV robot, four-way shuttle, etc. |
| Safety Accessories | Profile detection gate, rapid safety gate, safety guardrail, etc. |

# Application of APOLLO Continuous Lifter

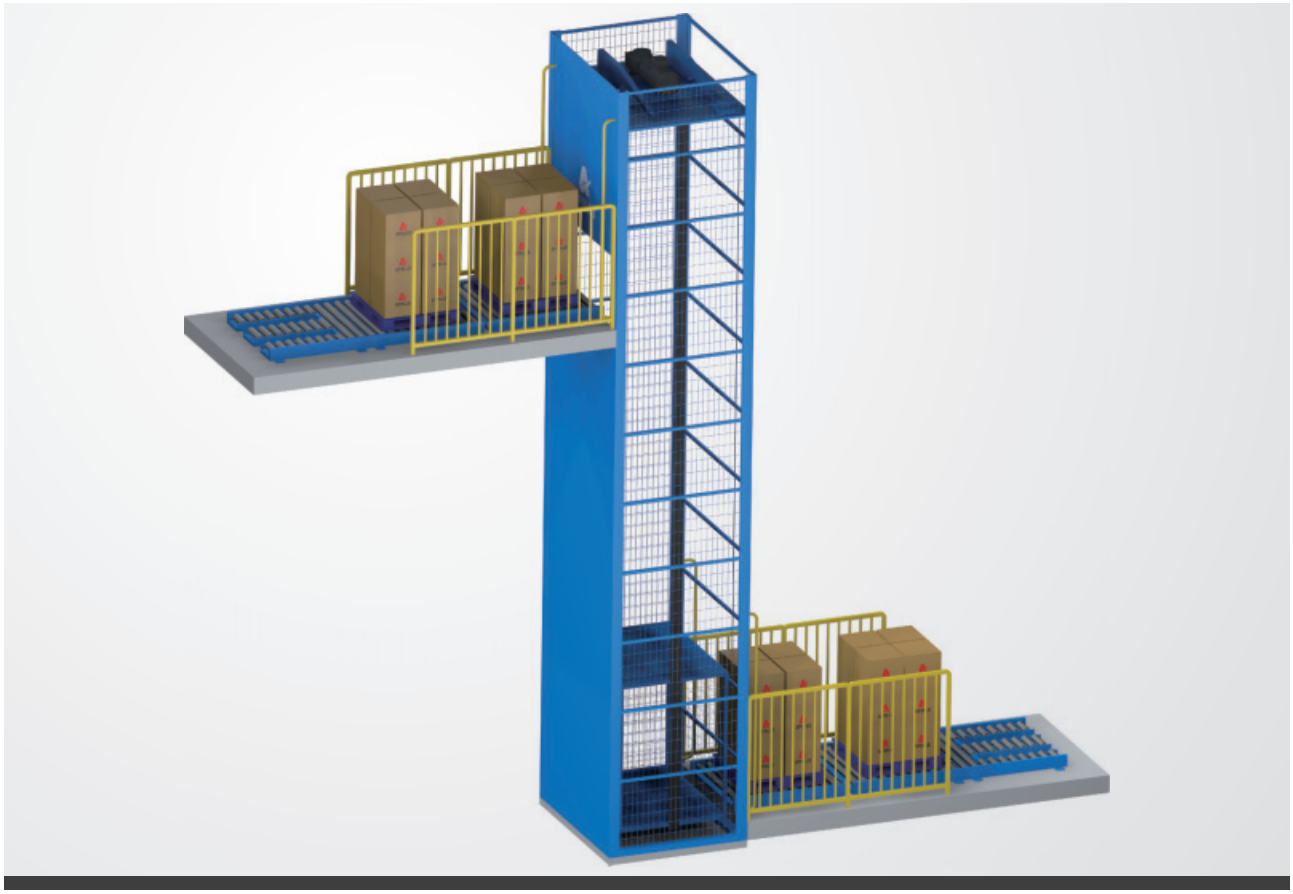









# Pallet Lifter



Product introduction:
See P.31-34 for details

Scan QR code on WeChat to watch video

## Application of pallet lifter

Lifter equipment can be combined with an automated control system to transport goods vertically to different floors.

It is widely used in various industries, such as multi-floor transportation in workshops, logistics warehousing and distribution centers, etc. It has the characteristics of high efficiency, high safety, simple operation, easy installation and maintenance, etc.

## Cargo types for pallet lifter



Wood pallet



Plastic pallet



Steel Pallet

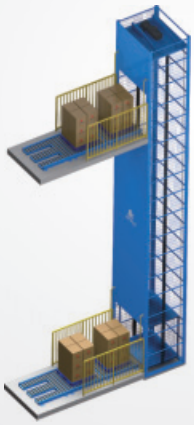


AGV robot



Four-way Shuttle

## Types of APOLLO pallet lifter



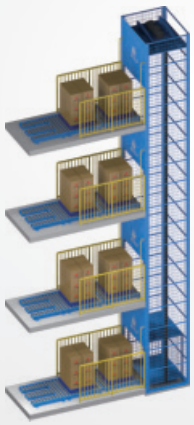
Type C1-1



Type Z1-1



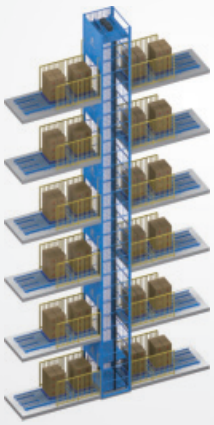
Type CC2-2



Type E4-4

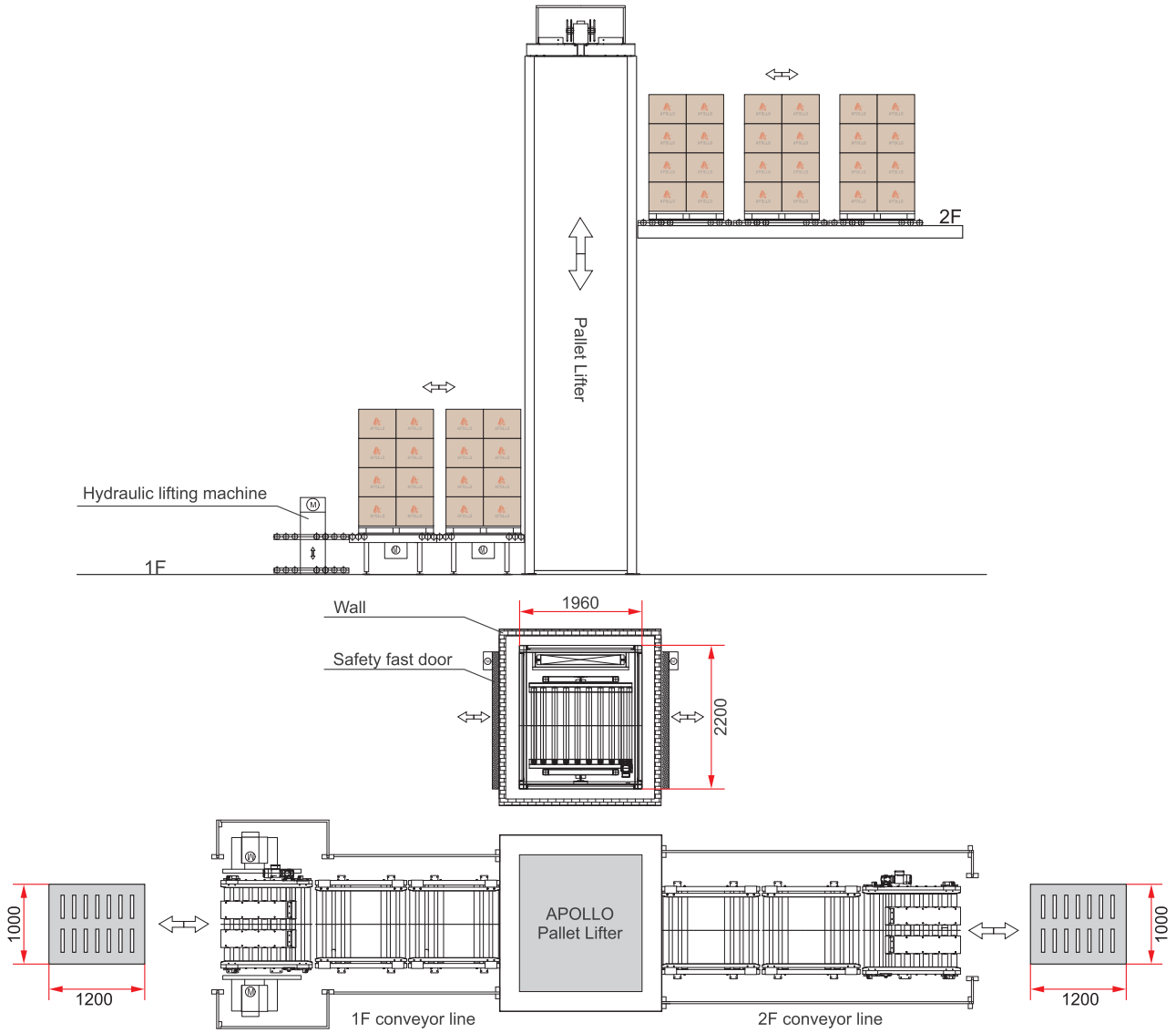


Type Z1-4



Type EE6-6

# Selection parameters of APOLLO Pallet Lifter




| Parameter Name | Equipment Specification |
|---|---|
| Equipment Type | Z-type, C-type, E-type |
| Equipment Height | ⩽50 m |
| Pallet + Cargo Dimension | L800-1800mm × W800-1800mm × H100-2500mm |
| Load Capacity | ⩽1000kg (Light duty), ⩽2000kg (Medium duty), ⩽3000kg (Heavy duty) |
| Lifting Throughput | 60–100 pallets/h (Subject to actual requirements) |
| Lifting Speed | 30m/min – 60m/min (Subject to actual requirements) |
| Equipment Material | Painted carbon steel (color customizable) |
| Docking Equipment at Inlet & Outlet | Roller conveyor, chain conveyor, AGV robot, four-way shuttle, etc. |
| Safety Accessories | Profile detection gate, rapid safety gate, safety guardrail, etc. |

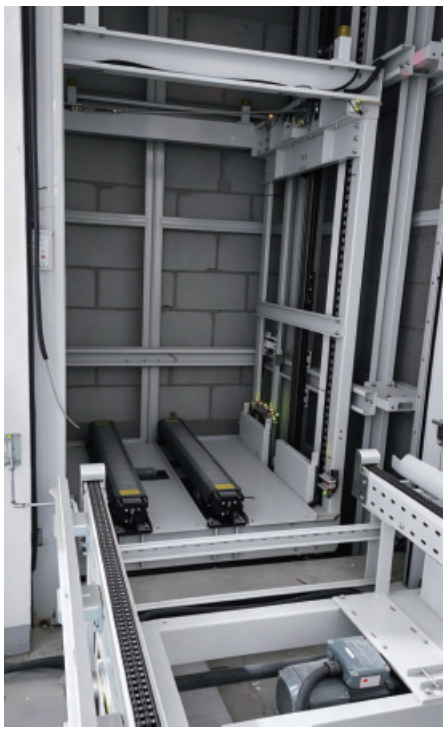
# APOLLO Pallet Lifter – On-site Application Case

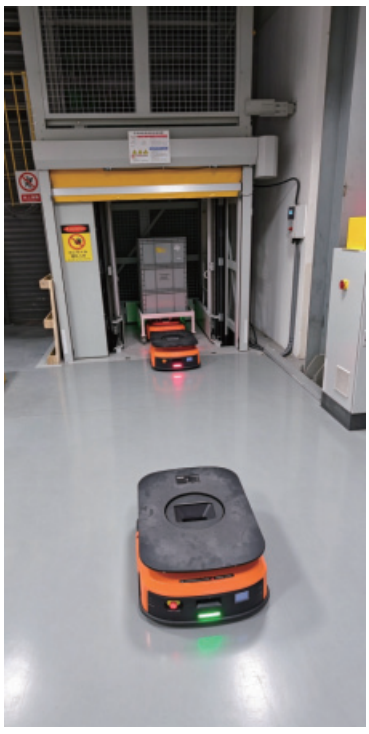




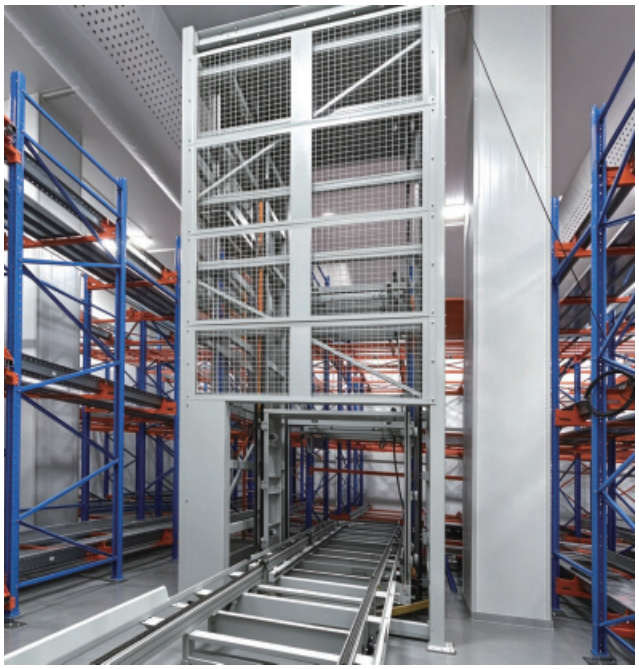




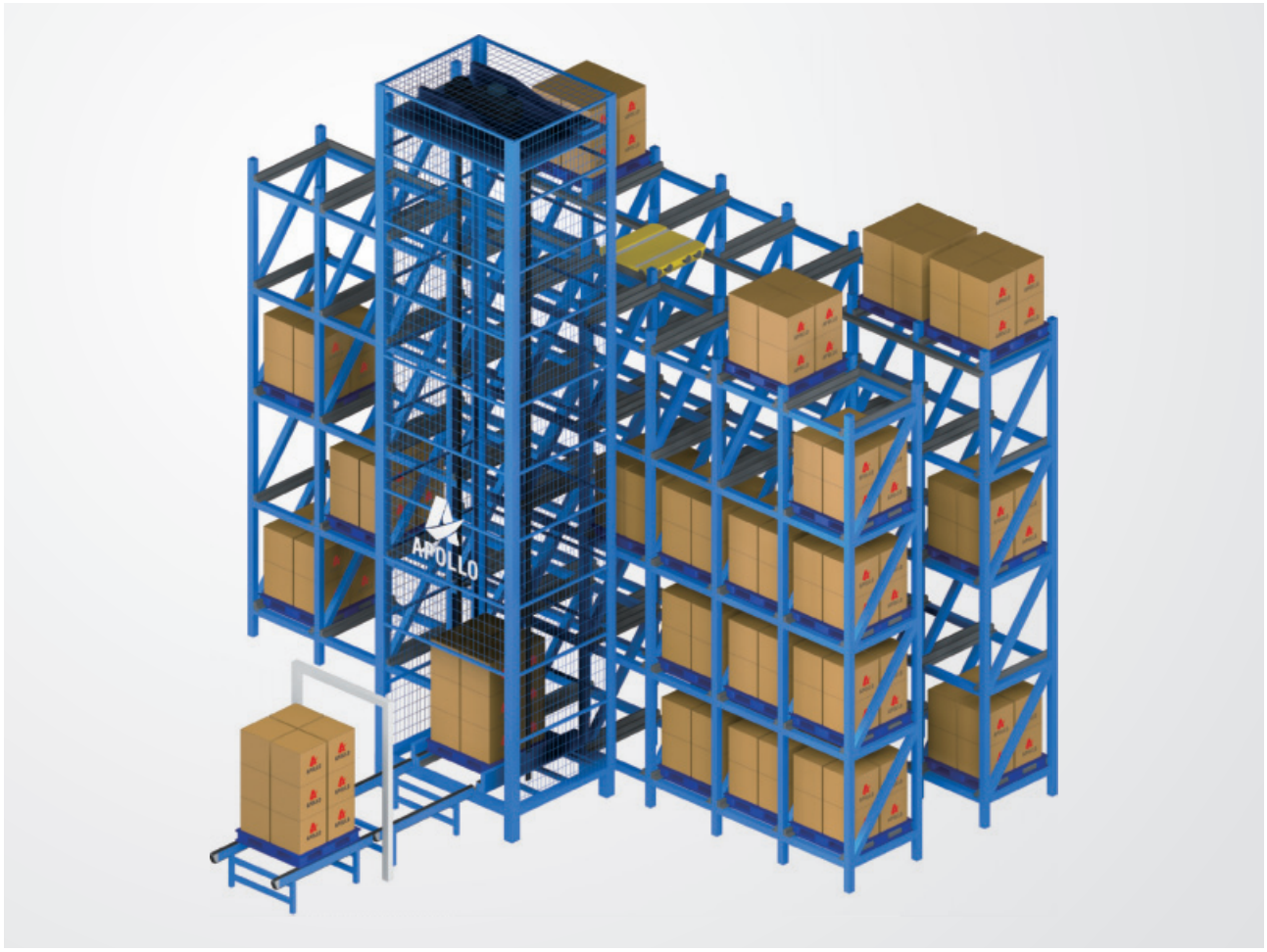




## Application of Four-way Shuttle / AGV Comb-type Transfer







# Pallet Jack Lifter




Product introduction:
See P.36 for details

Scan QR code on WeChat to watch video

# Application of APOLLO Floor-mounted Pallet Jack Lifter










# Pallet Conveyor




Product introduction:
See P.38 for details

# APOLLO Pallet Conveyor













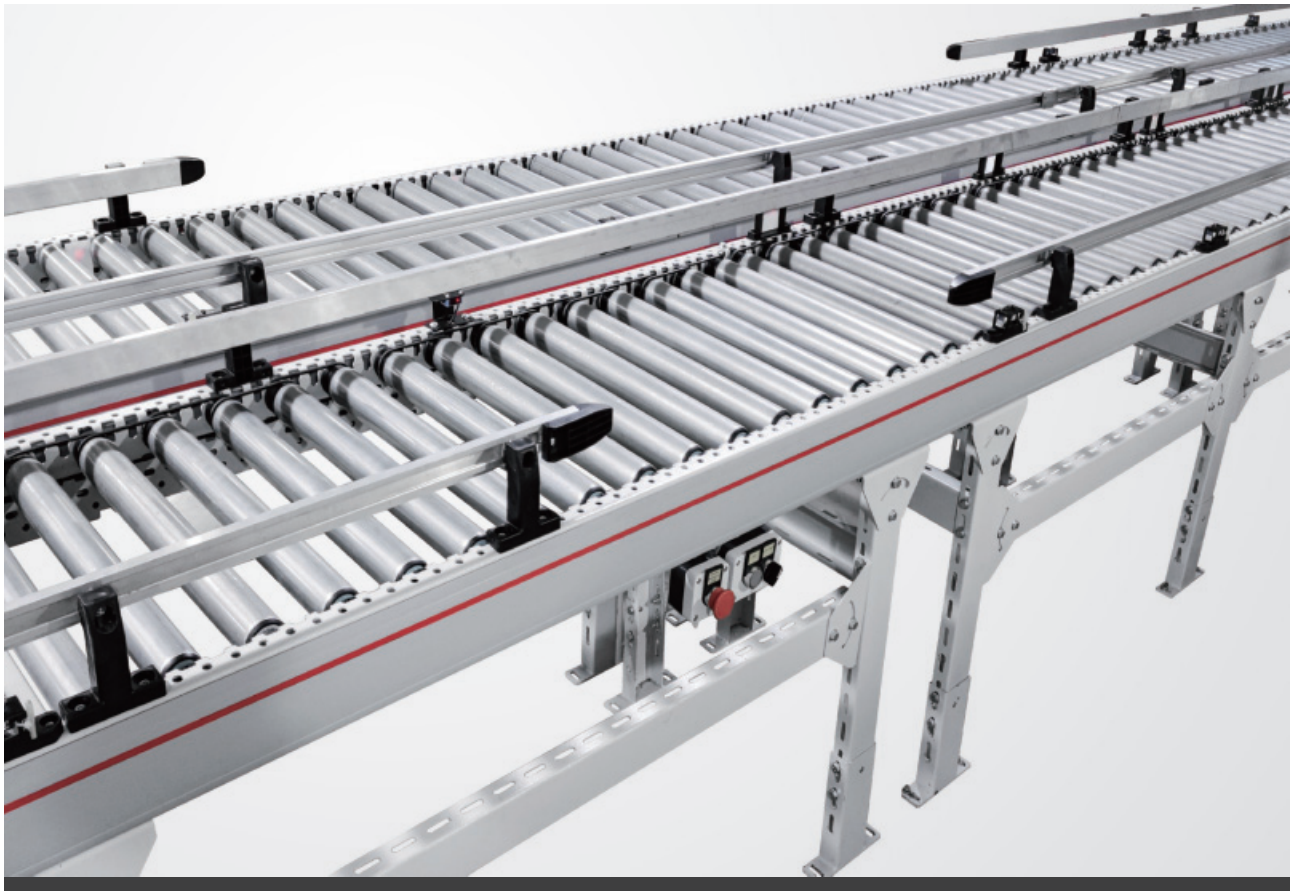








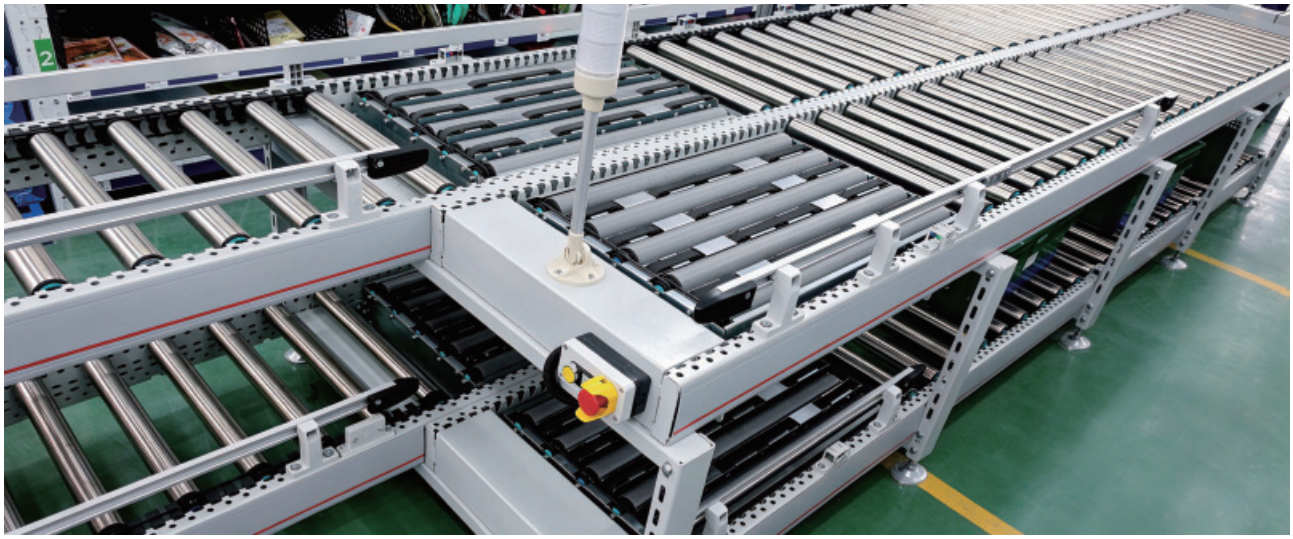

# Logistics Conveyor

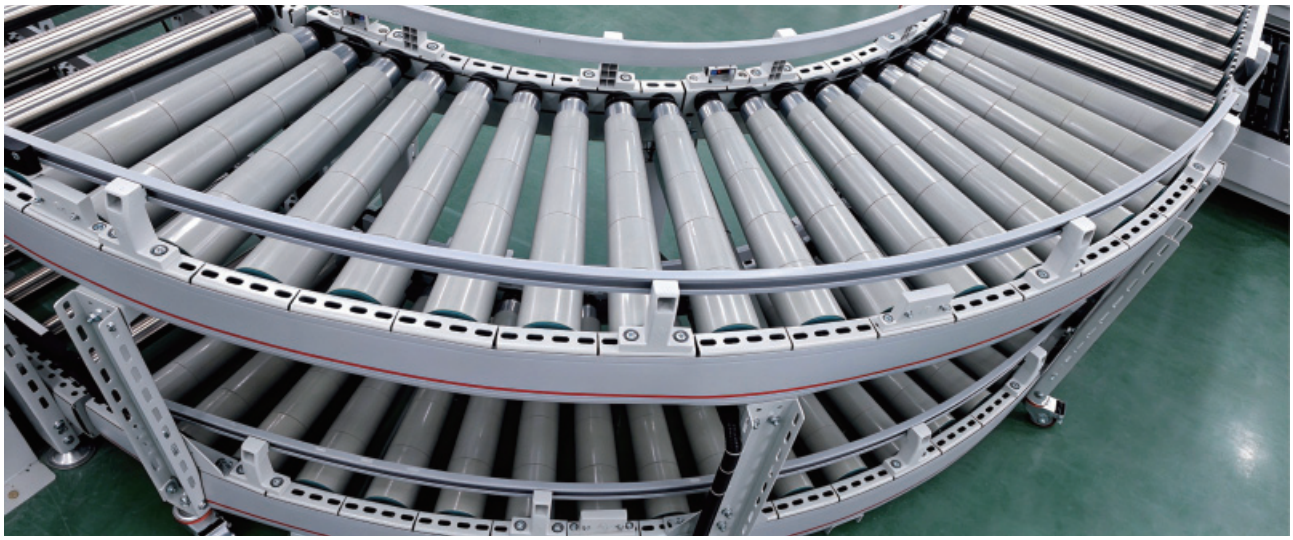


Product introduction:
See P.40-42 for details

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# Application of APOLLO Roller Conveyor







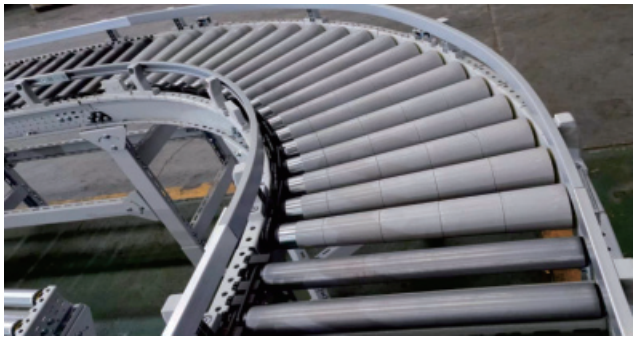
# Standard configuration of APOLLO Roller Conveyor

Application: Sorting and conveying






Type: Curve and Straight



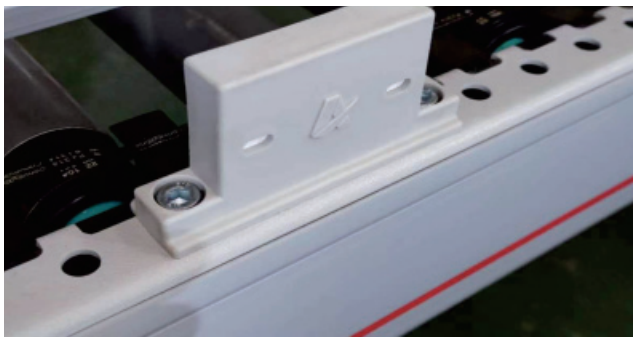


Safety guards and hand protection components





Photoelectric sensor components

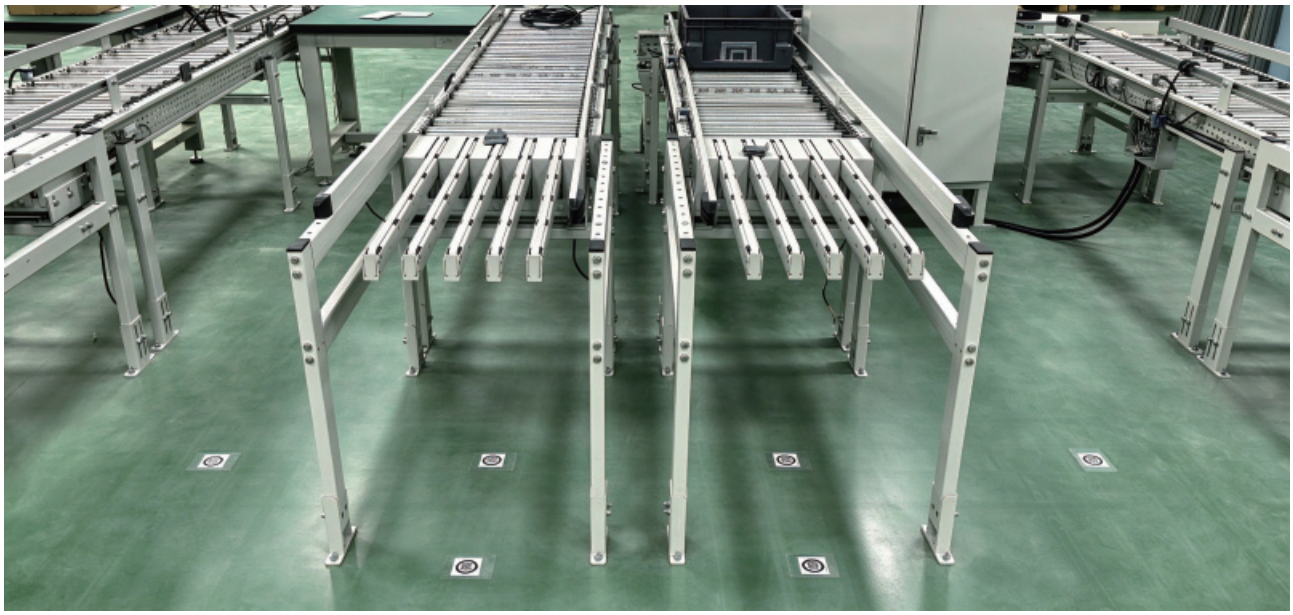




# Application of AGV Comb-type Transfer







| Parameter Name | Equipment Specification |
|---|---|
| Application Scenario | For docking with STU, CTU and AGV |
| Cargo Dimension | L300-600mm × W300-600mm × H50-500mm (other sizes customizable) |
| Load Capacity | ⩽50kg per carton (other loads customizable) |
| Comb Belt | 3 pcs, 5 pcs |
| Drive Type | Motorized roller |
| Control Voltage | DC24V / 48V, AC380V |
| AGV Compatibility | Compatible with major brands of under-run AGV |

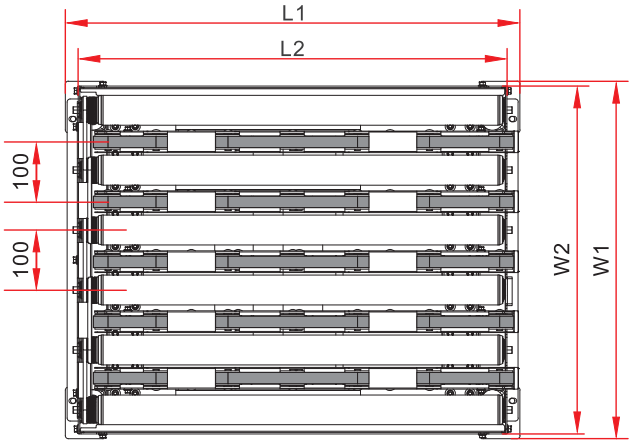
# Pop-up Transfer



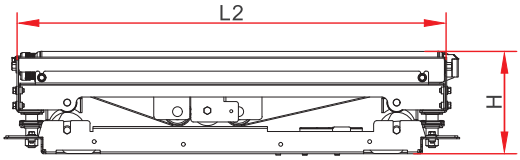

Product introduction:
See P.44-50 for details

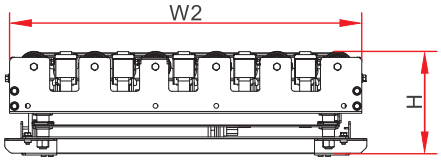
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# Selection parameters of APOLLO Pop-up Transfer (high speed model)





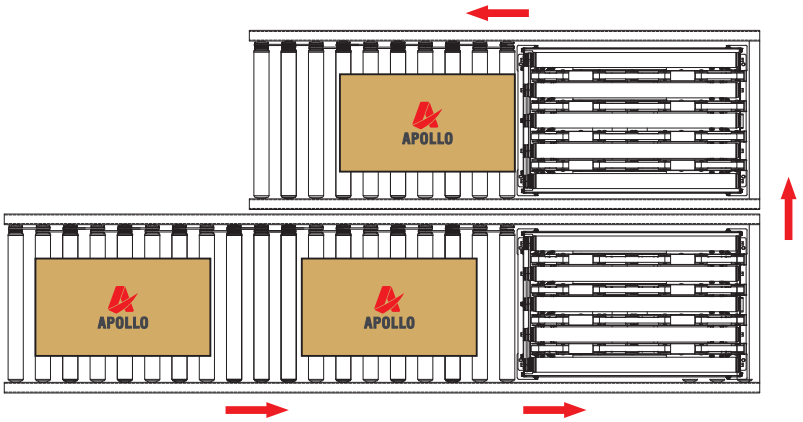



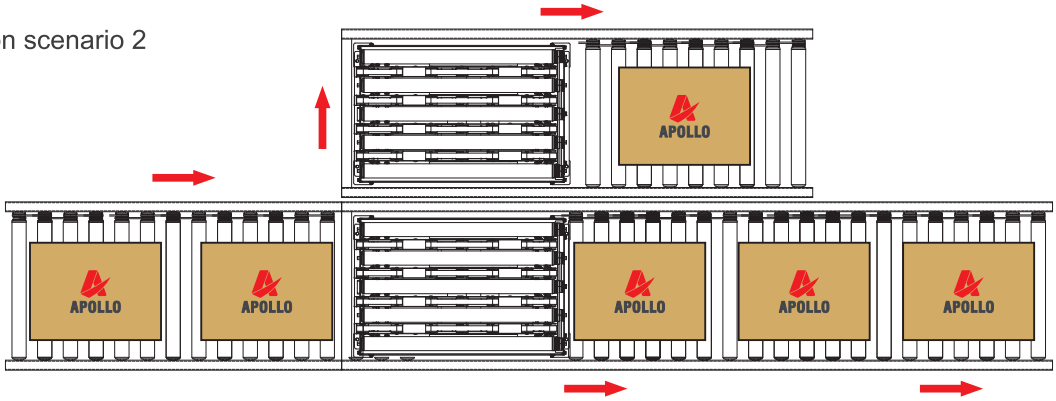

| Pop-up Transfer equipment parameters | | | | | | | |
|---|---|---|---|---|---|---|---|
| Specifications | Model | Conveying size (mm) | | Overall Dimension (mm) | | | Matching Conveyor Width |
| | | L1 | W1 | L2 | W2 | H | |
| | A400 | 758 | 396 | 715 | 380 | 170 | 400-450 mm |
| | B500 | 758 | 496 | 715 | 480 | 170 | 500-550 mm |
| | C600 | 758 | 596 | 715 | 580 | 170 | 600-650 mm |
| | D700 | 758 | 696 | 715 | 680 | 170 | 700-850 mm |
| Conveying Speed | ⩽60 m/min | | | | | | |
| Cargo Size | ⩾250×250 mm | | | | | | |
| Rated Load | ⩽50 kg | | | | | | |
| Throughput | Approx. 1500–1800 pcs/h (depends on cargo size & electric control system) | | | | | | |
| Roller Conveying Type | Motorized roller (1 pc) | | | | | | |
| Belt Drive Type | Motorized roller (1 pc) | | | | | | |
| Lifting Mechanism | Cam motorized roller (1 pc) | | | | | | |
| Material | Galvanized steel / Stainless steel | | | | | | |

# Application of APOLLO Pop-up Transfer (high speed model)

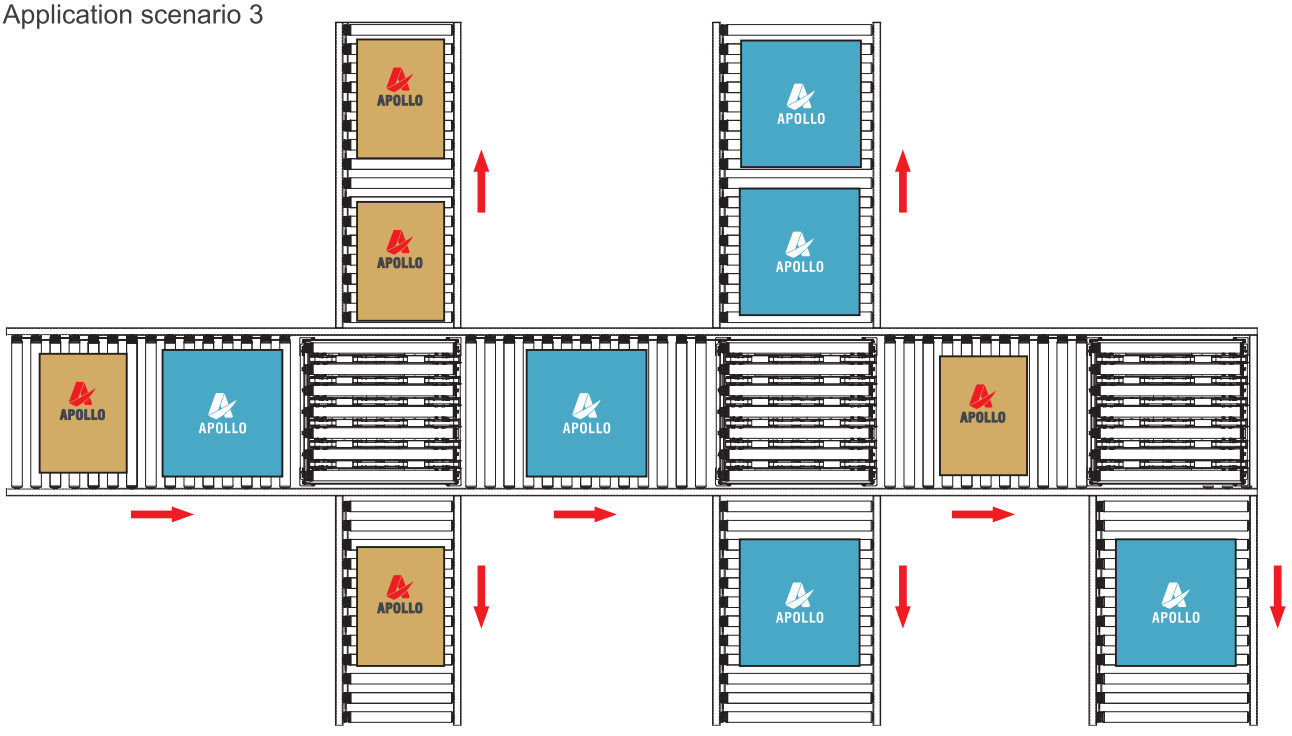
Application scenario 1




Application scenario 2




Application scenario 3



# Application of APOLLO Pop-up Transfer (1) (high speed model)




## Features:

Wide adaptability, easy installation, strong controllability, high safety, maintenance-free and low failure rate.

APOLLO Pop-up Transfer is a transfer machine with extremely high cost performance.

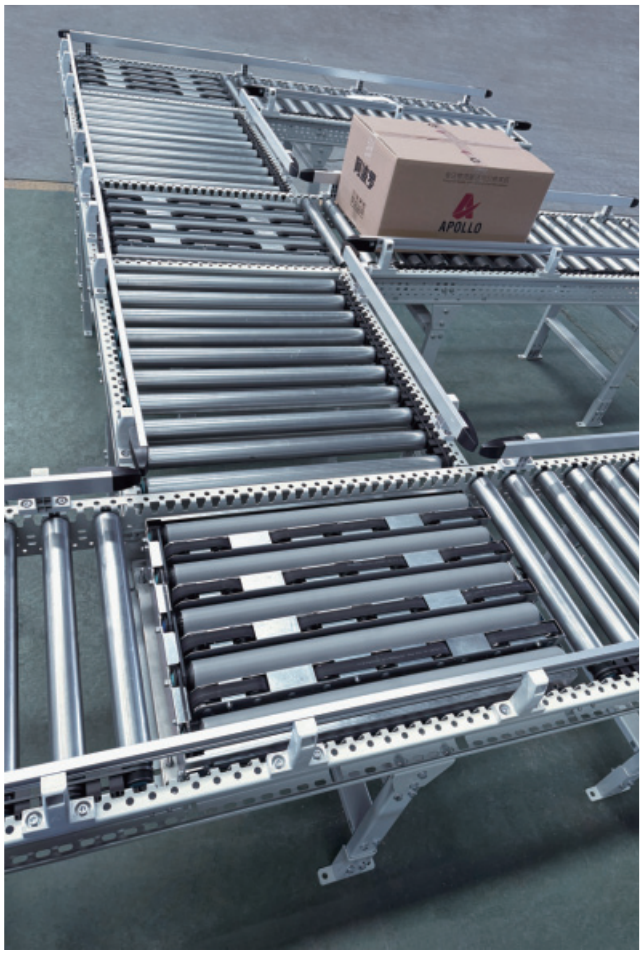
APOLLO Pop-up Transfer can realize gentle transportation of goods and applied to various sorting and transferring fields. Through modular and standardized design, it can be perfectly combined with the conveyor lines for most customers' sites.

APOLLO Pop-up Transfer is designed to provide a low-impact, high-performance, non-damaging steering transportation for goods. It has high fatigue resistance and long service life, making it to be the best right-angle steering equipment for small and medium-sized sorting sites.



# Application of APOLLO Pop-up Transfer (2)
## (high speed model)







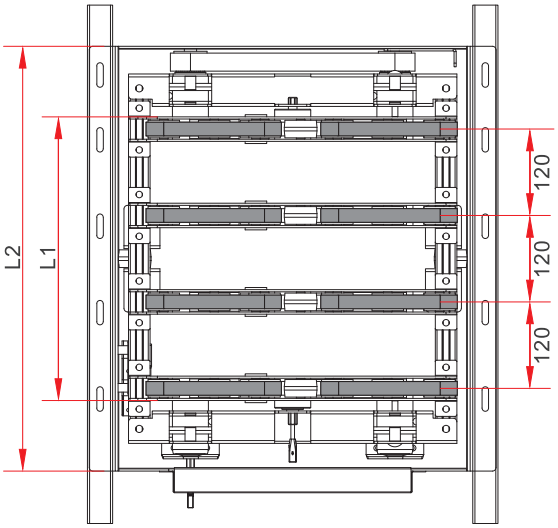


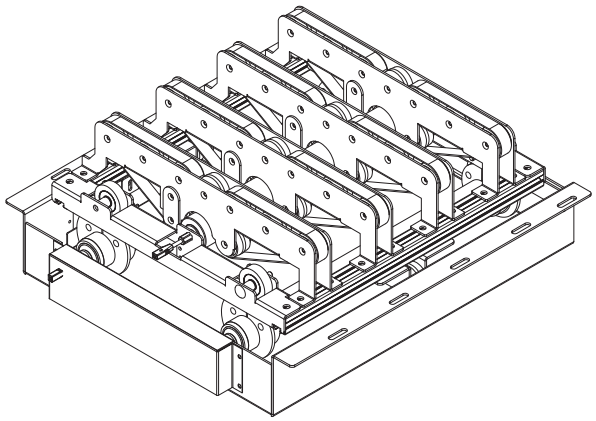
# Application of APOLLO Stainless Steel Pop-up Transfer (high speed model)

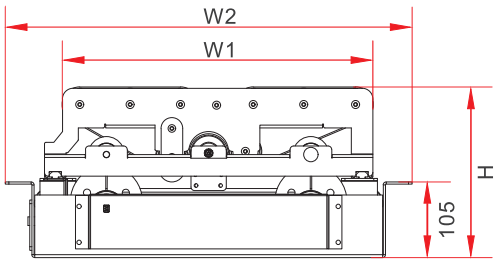


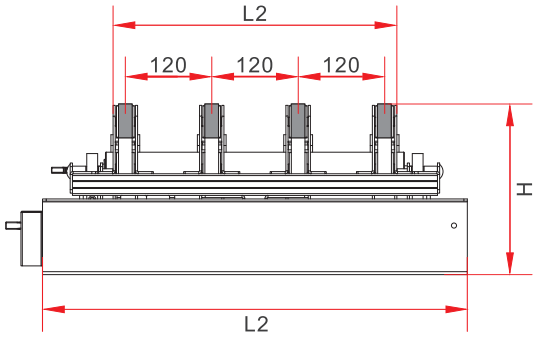



# Selection parameters of APOLLO Pop-up Transfer (simple model)



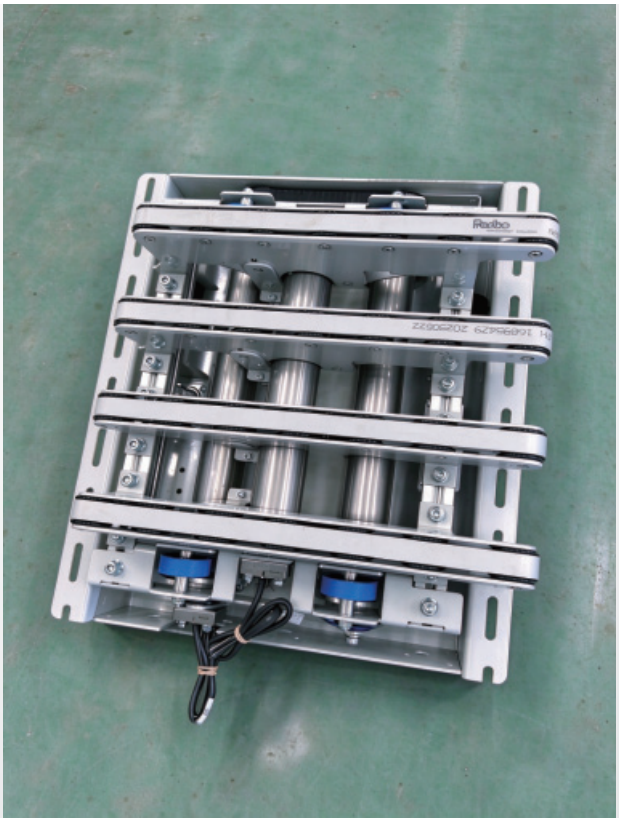



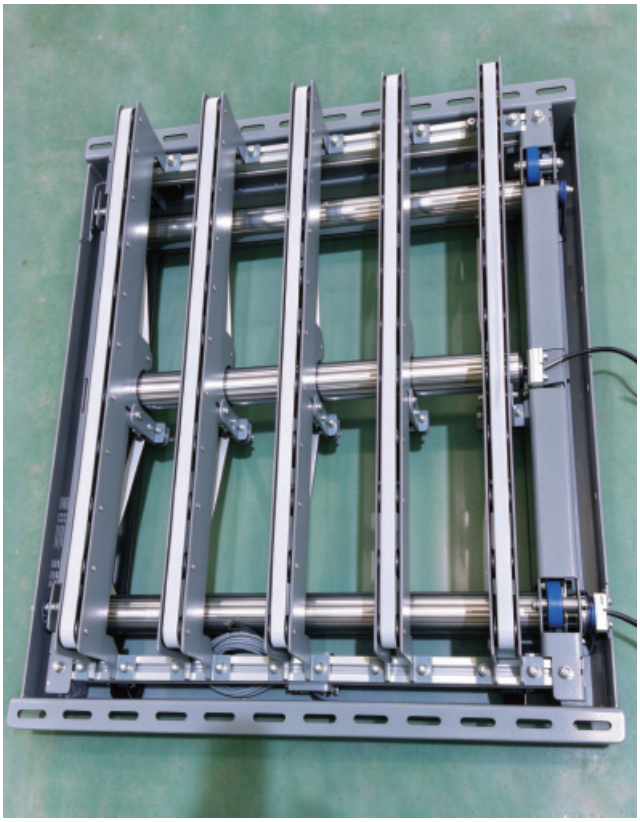



| Technical Parameters (simple model) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Specifications | Model | Conveying size (mm) | | Dimensions (mm) | | | Adapt to the width of the conveyor line |
| | | L1 | W1 | L2 | W2 | H | |
| | S500 | 394 | 431 | 590 | 565 | 237 | 500 mm |
| | S600 | 394 | 531 | 590 | 665 | 237 | 600 mm |
| | S700 | 394 | 631 | 590 | 765 | 237 | 700 mm |
| | S800 | 394 | 731 | 590 | 865 | 237 | 800 mm |
| Conveying speed | ⩽60 m/min | | | | | | |
| Cargo size | ⩾300×300 mm | | | | | | |
| Rated load | ⩽50 kg | | | | | | |
| Conveying efficiency | ⩽1200 products/hour | | | | | | |
| Conveying method | Roller Drive (2 pieces) | | | | | | |
| Lifting method | Roller Drive (1 piece) | | | | | | |
| Communication signal | PNP / NPN | | | | | | |
| Equipment material | Galvanized / Stainless Steel | | | | | | |

# Application of APOLLO Pop-up Transfer (simple model)

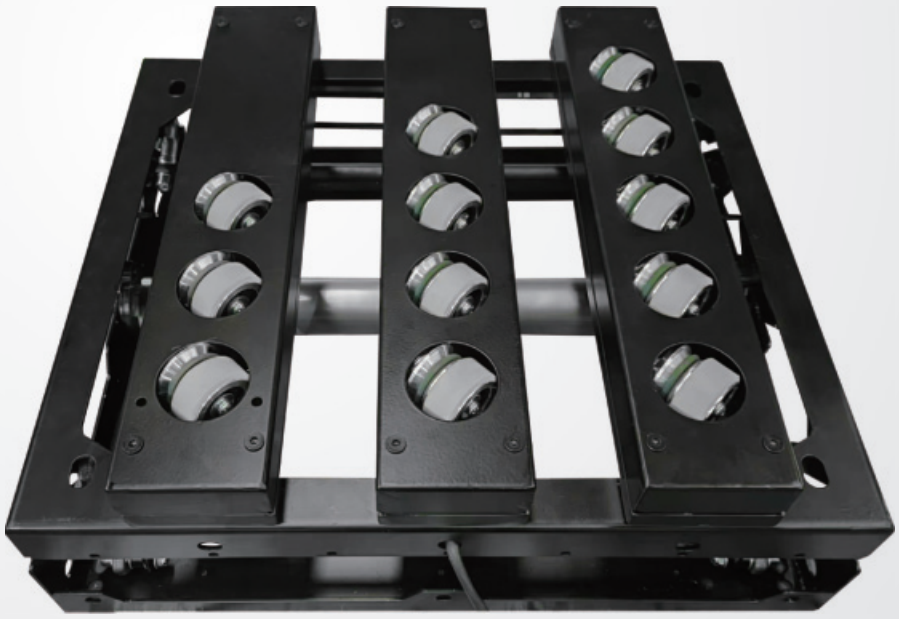








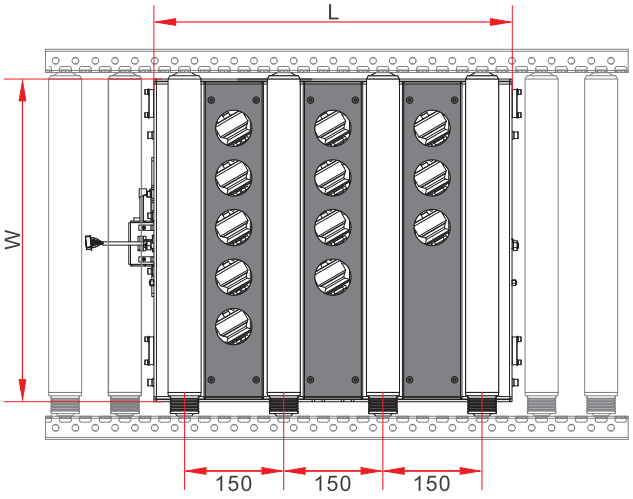
# Pop-up Diverter

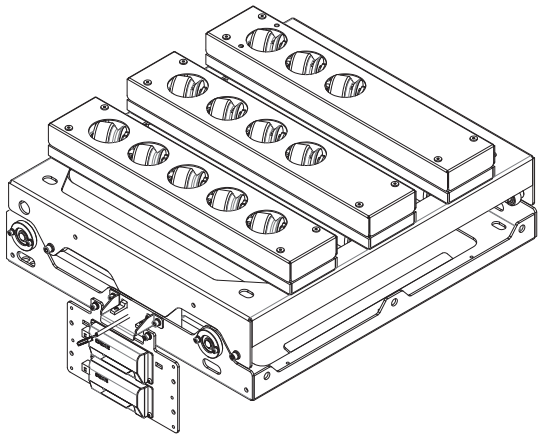


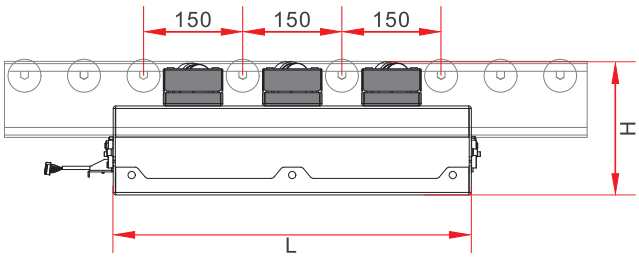
Product introduction:
See P.52-53 for details

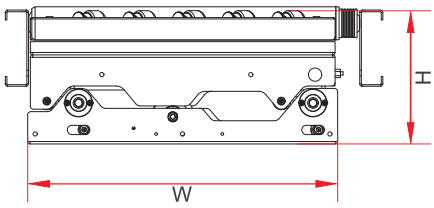
Scan QR code on WeChat to
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# Selection parameters of APOLLO Pop-up Diverter



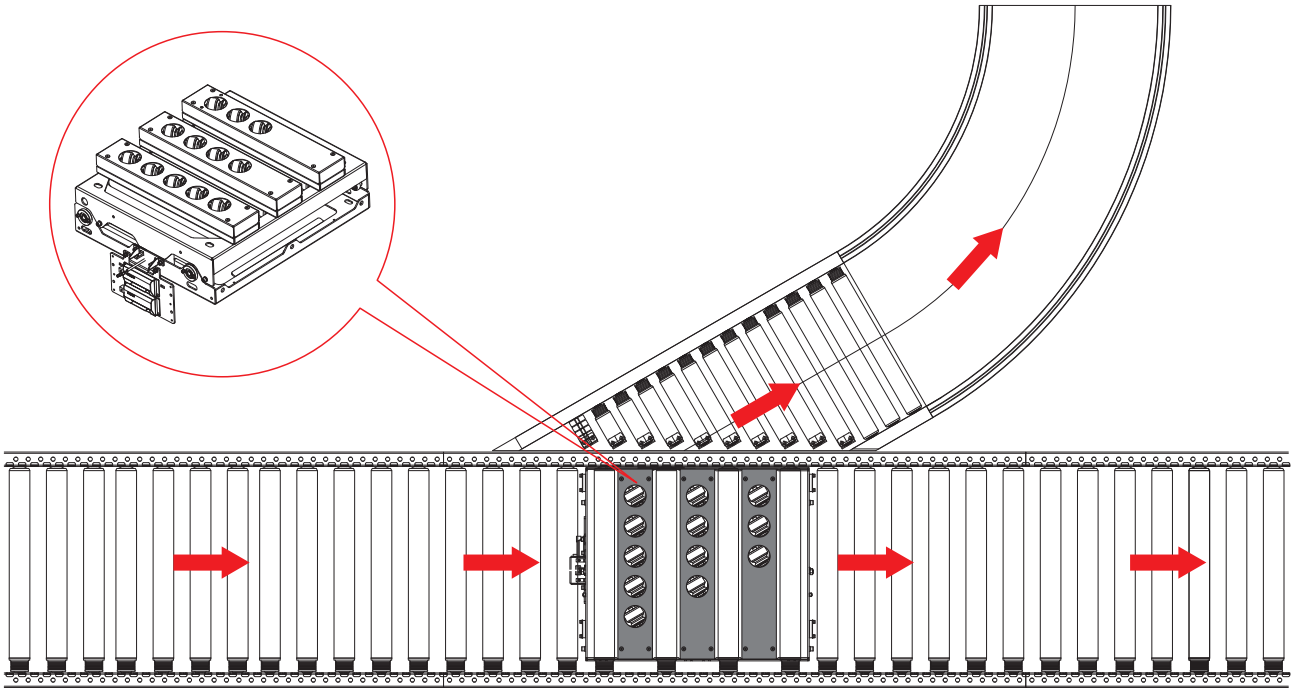






| Technical Parameters | | | | | |
|---|---|---|---|---|---|
| Specifications | Model | Dimensions (mm) | | | Adapt to the width of the conveyor line |
| | | L | W | H | |
| | DF400 | 392 | 388 | 200 | 400 mm |
| | DF500 | 542 | 488 | 200 | 500 mm |
| | DF600 | 542 | 588 | 200 | 600 mm |
| | DF700 | 692 | 688 | 200 | 700 mm |
| Steering angle | 30° / 45° | | | | |
| Conveying power | RollerDrive (DC24V50W, simple and convenient electric control) | | | | |
| Lifting power | RollerDrive (DC24V50W, simple and convenient electric control) | | | | |
| Operation speed | ⩽90m / min | | | | |
| Sorting efficiency | ⩽2400 products/hour (depend on product sizes) | | | | |
| Load capacity | ⩽50kg/product | | | | |
| Installation | Insert type / equip with support legs | | | | |
| Equipment color | Black (other colors can be customized) | | | | |

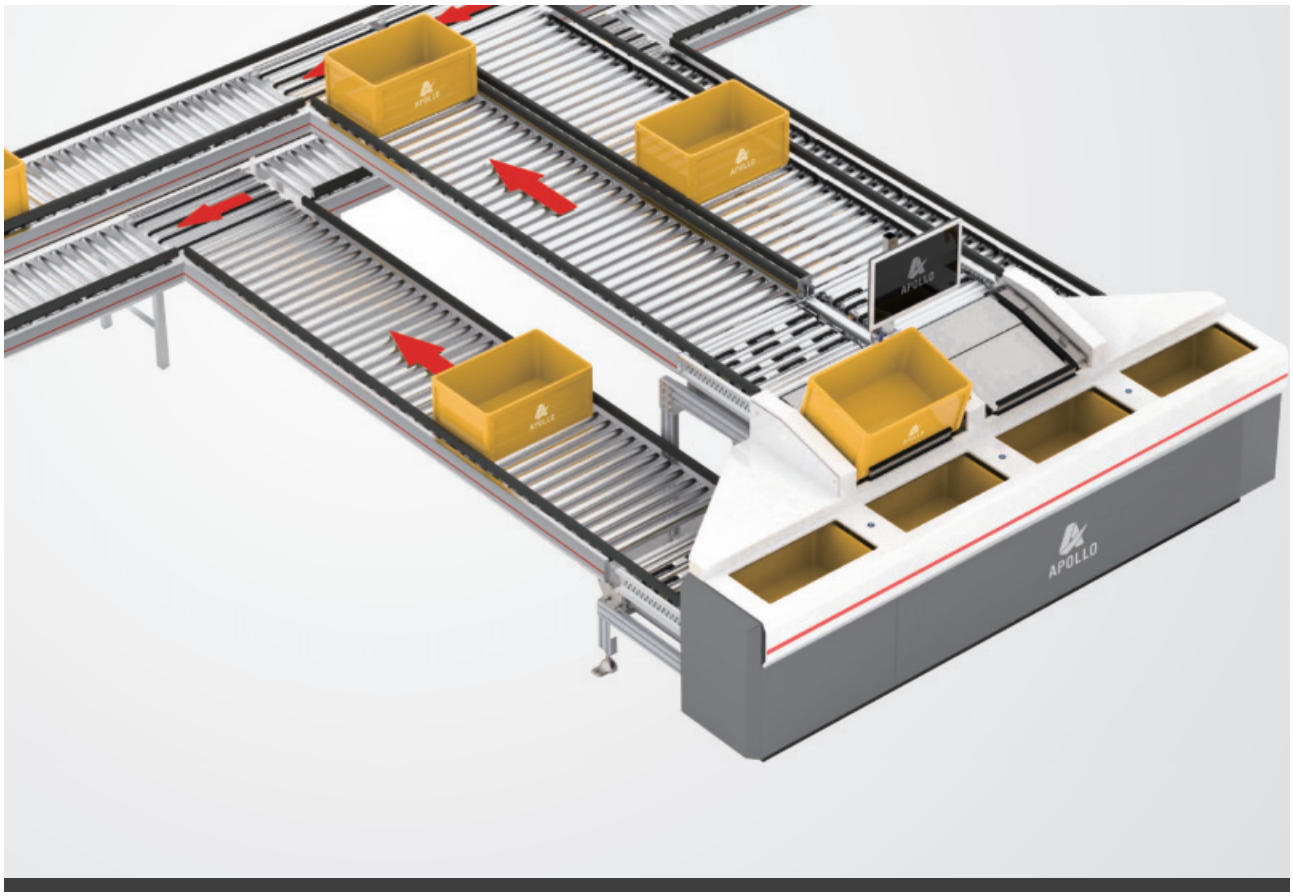
## Application of APOLLO Pop-up Diverter







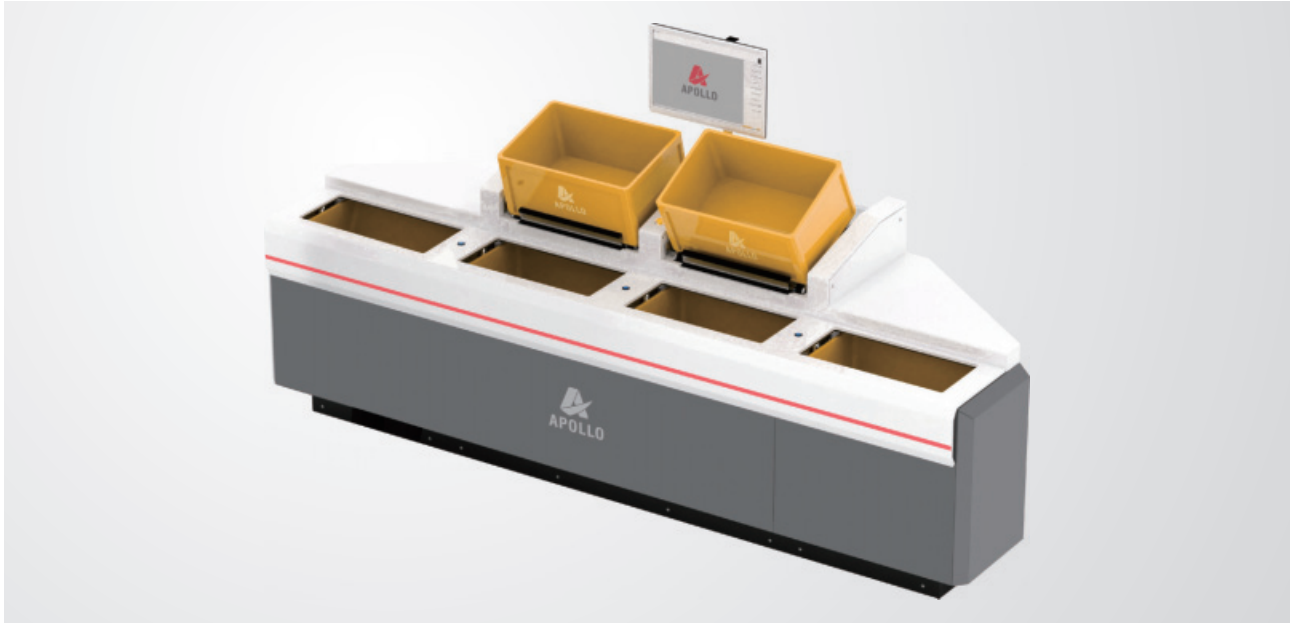
# Picking Station

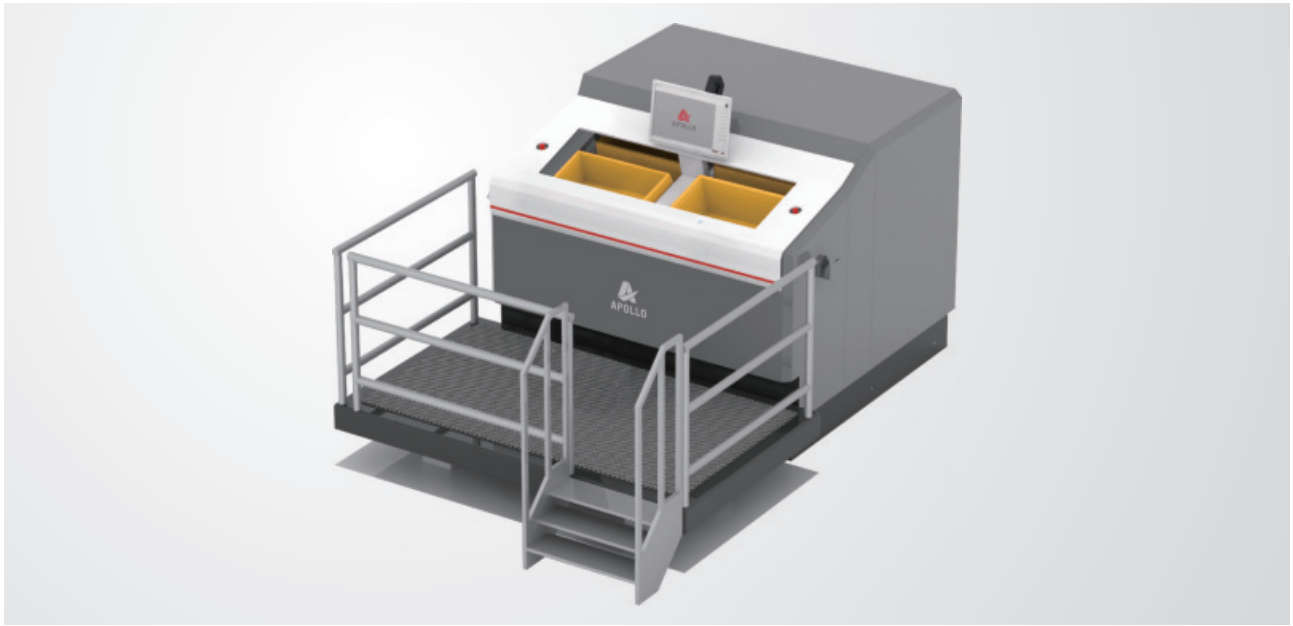



Product introduction:
See P.55-56 for details

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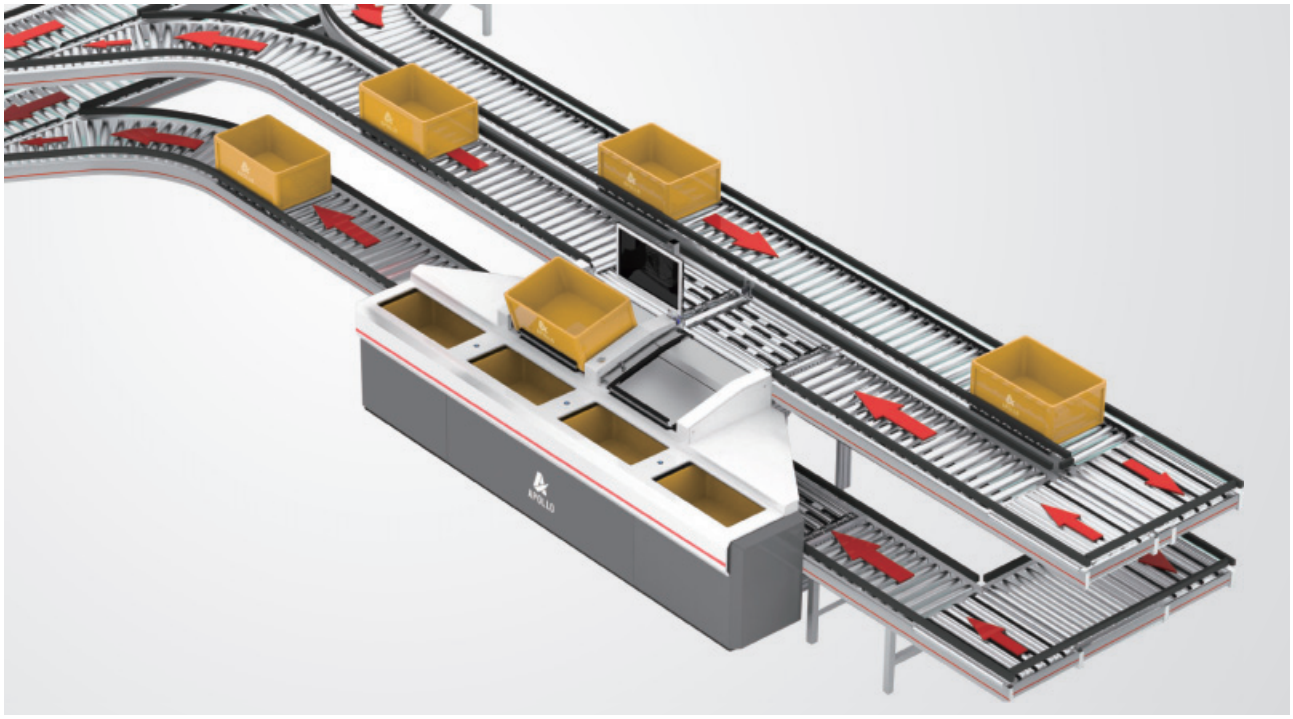
## Selection parameters of APOLLO Goods-to-Person Picking Station



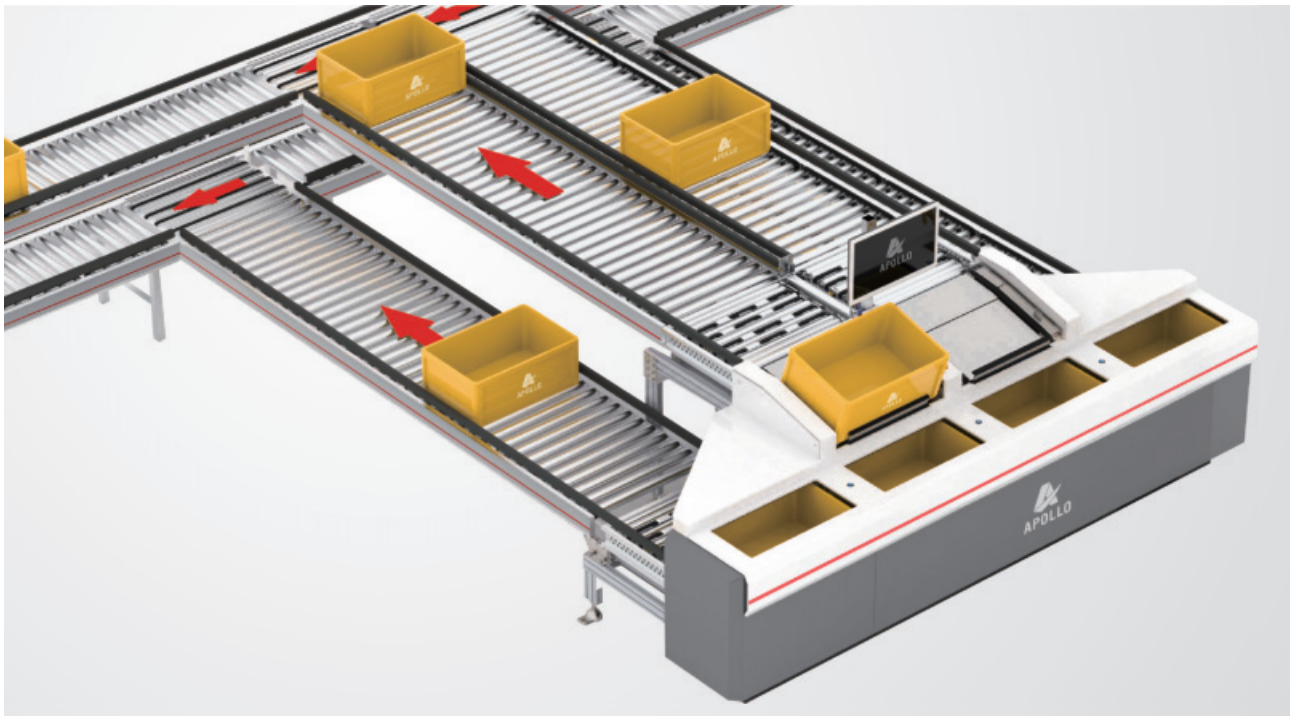

| Technical Parameters | |
|---|---|
| Parameter name | Goods-to-Person Picking Station |
| Picking station | 1 person 2 workstations, 2 people 4 workstations |
| Picking efficiency | ⩽600 boxes/hour |
| Selection guide | LED light reminder |
| Application range | Picking by connecting to the conveyor system, picking by miniload outbound goods |
| Equipment material | Carbon steel and powder coated |

# Application of APOLLO Goods-to-Person Picking Station

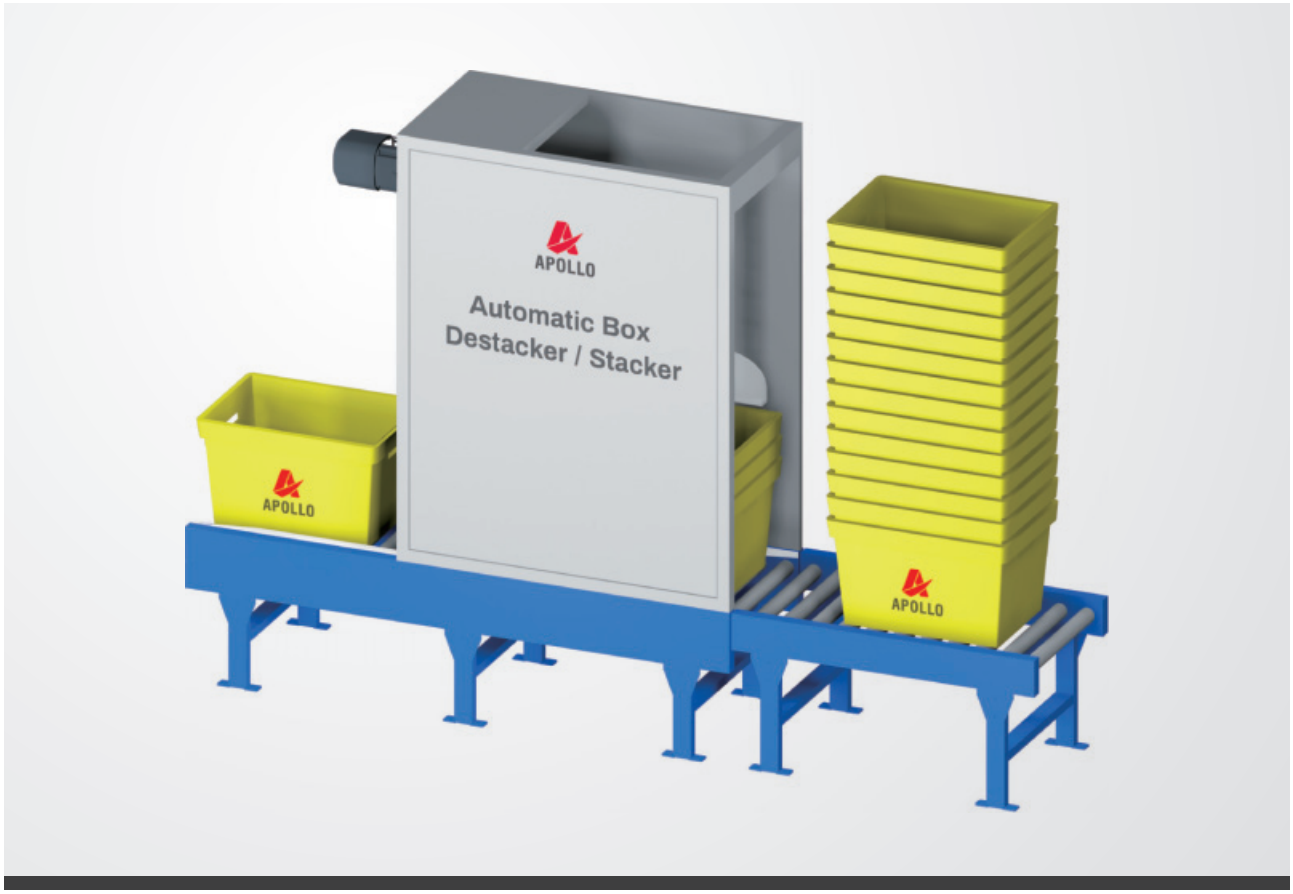


APOLLO Goods-to-Person Picking Station, simple, flexible and faster! We offer you innovative, ergonomic and flexible order picking solutions.

APOLLO Goods-to-Person Picking Station can be connected to various conveyor systems to improve picking efficiency and reduce repetitive pressure on employees.



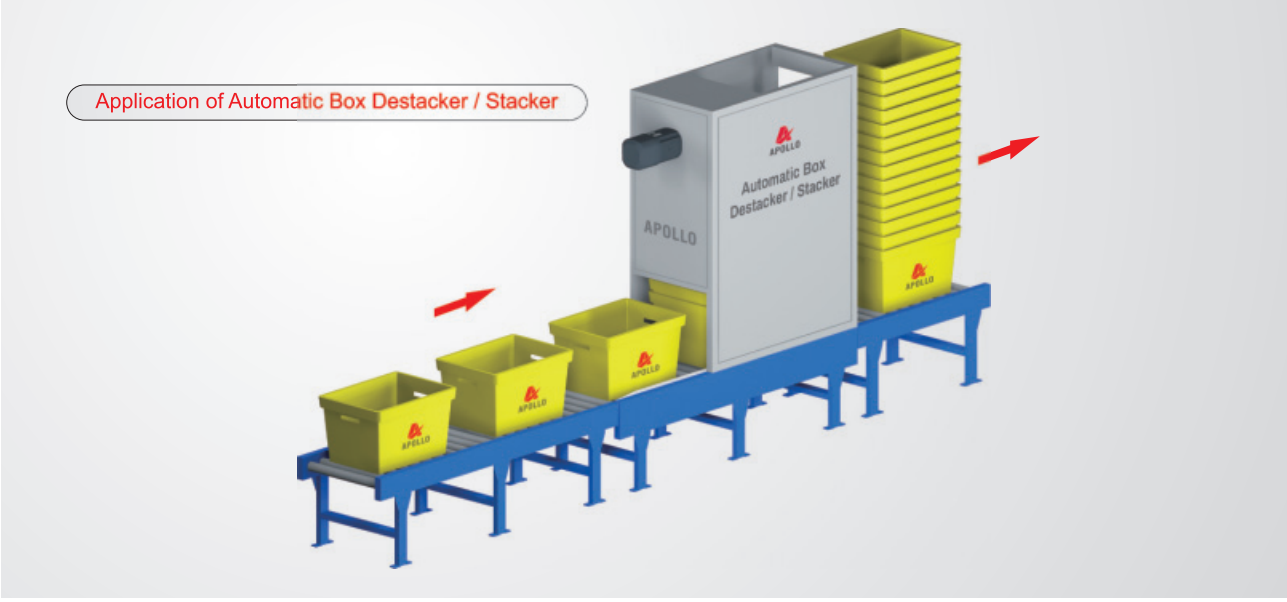
# Automatic Box Destacker / Stacker

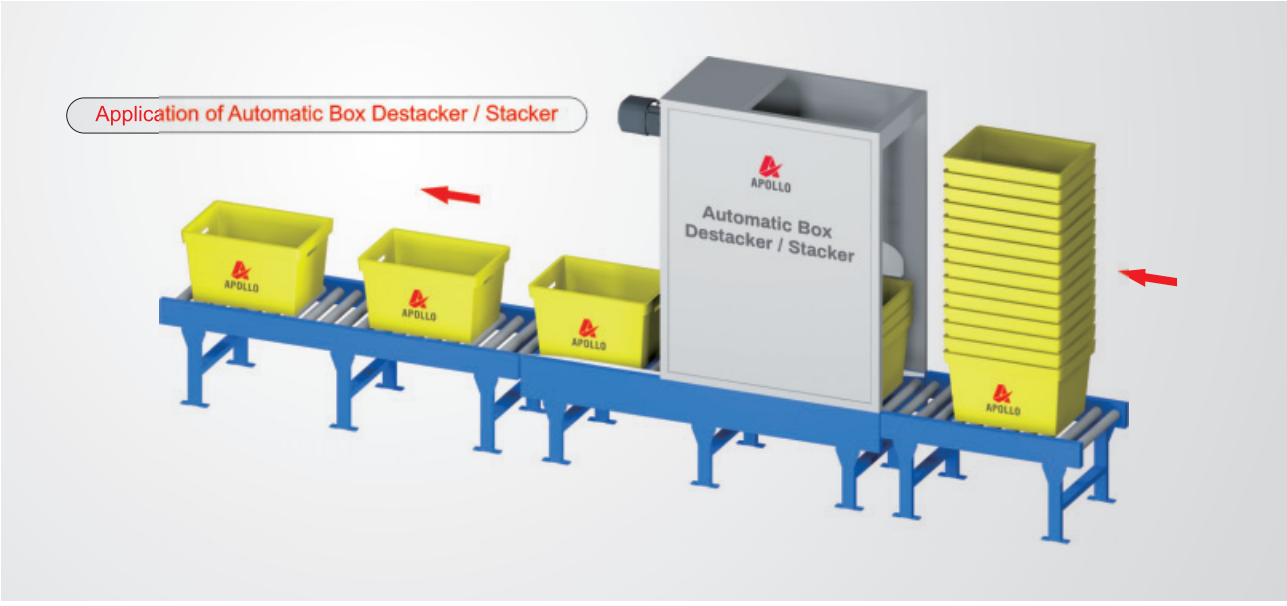



Product introduction:
See P.58 for details

Scan QR code on WeChat to
watch video

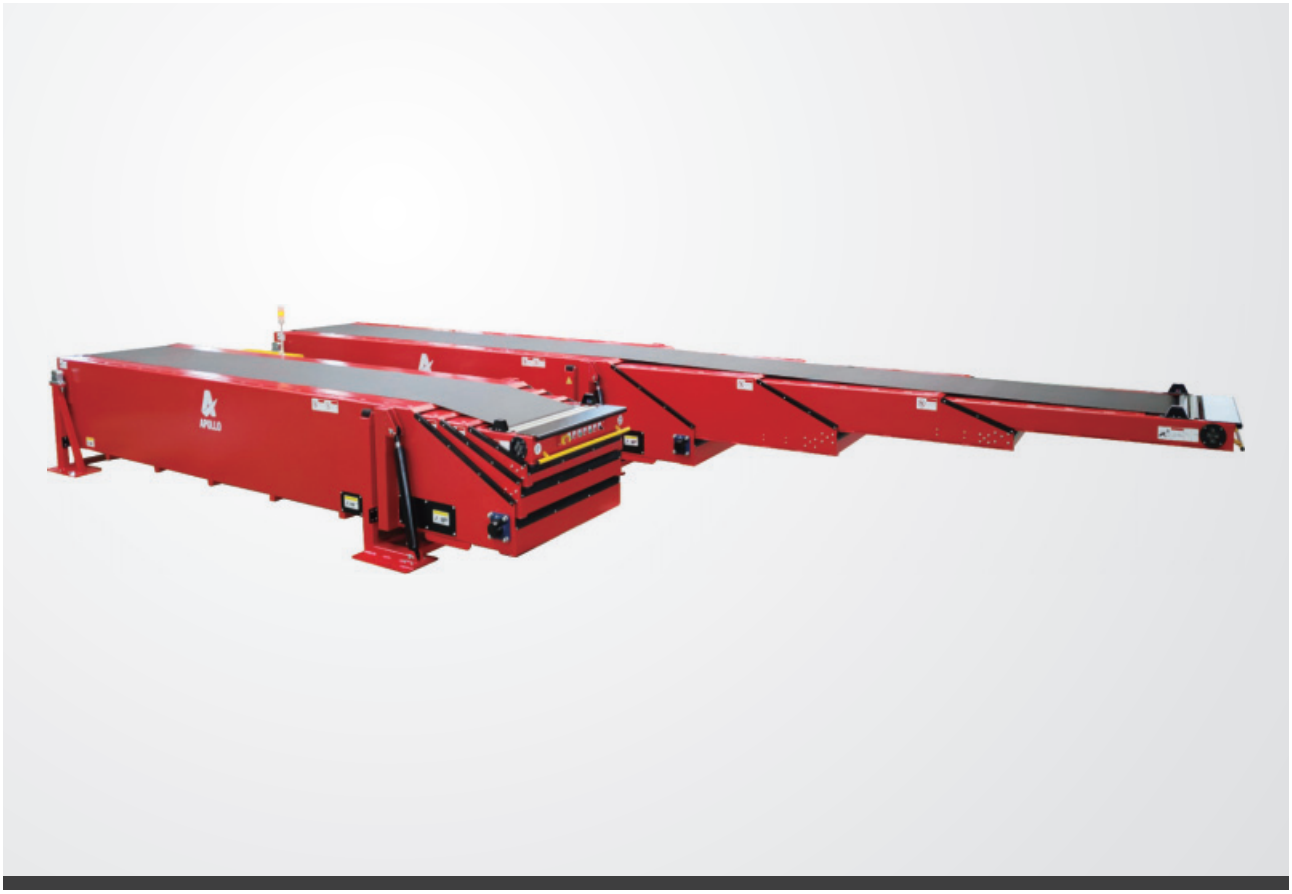
# Selection parameters of APOLLO Automatic Box Destacker / Stacker




| Technical Parameters | |
|---|---|
| Parameter name | Automatic Box Destacking / Stacking machine |
| Number of layers to be destacked / stacked | 2-20 boxes/stack |
| Destacking / Stacking efficiency | 500-800 products/hour |
| Action mechanism | Full servo mechanism (no air source required) |
| Conveying products | Standard turnover box / plastic basket |
| Dimensions | L1800xW600x H1800mm (suitable for 600x400x 300mm boxes) |
| Equipment material | Carbon steel / stainless steel |

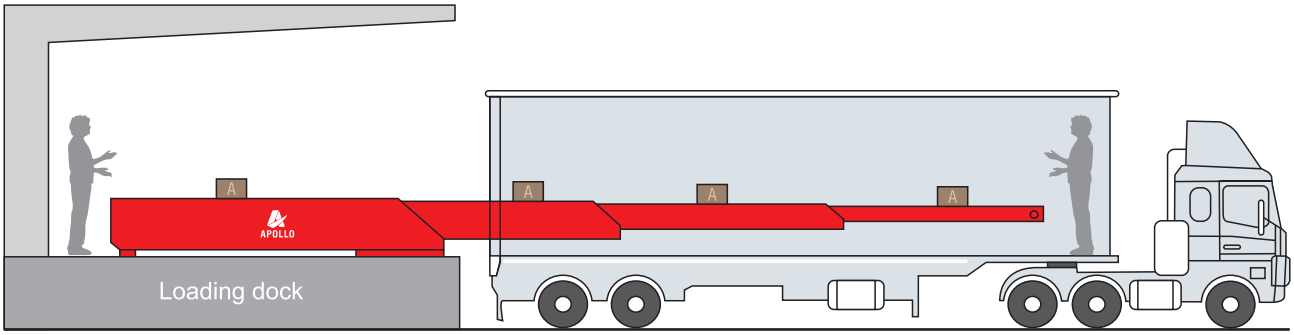
# Telescopic Belt Conveyor



Product introduction:
See P.60-65 for details

Scan QR code on WeChat to watch video

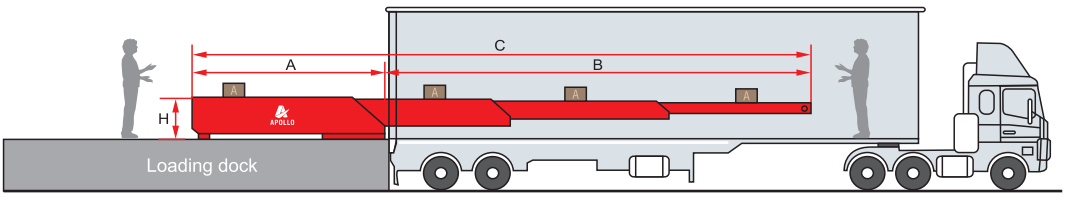
## Selection parameters of APOLLO Fixed Telescopic Belt Conveyor




- Suitable to use on loading dock




## Fixed Telescopic Belt Conveyor Parameters




| Model | Sections | Total length C (mm) | Fixed length A (mm) | Extension length B (mm) | Height (mm) | Belt width (mm) | Optional functions |
|---|---|---|---|---|---|---|---|
| A3-6+8 | 3 sections | 14000 | 6000 | 8000 | 800 | 600/800/1000/1200 | ● Hydraulic lifting<br>● Standing platform<br>● Drop snoot<br>● Swing arm<br>● Counter<br>● Anti-dropping<br>● Wireless remote<br>● On-line control<br>● Air-conditioning device |
| A3-7+9.5 | | 16500 | 7000 | 9500 | 800 | 600/800/1000/1200 | |
| A4-5+10 | 4 sections | 15000 | 5000 | 10000 | 900 | 600/800/1000/1200 | |
| A4-6+12 | | 18000 | 6000 | 12000 | 900 | 600/800/1000/1200 | |
| A4-7+14 | | 21000 | 7000 | 14000 | 900 | 600/800/1000/1200 | |
| A4-8+16 | | 24000 | 8000 | 16000 | 900 | 600/800/1000/1200 | |
| A5-6+15 | 5 sections | 21000 | 6000 | 15000 | 1150 | 600/800/1000/1200 | |
| A5-7+16 | | 23000 | 7000 | 16000 | 1150 | 600/800/1000/1200 | |
| A6-4.5+13 | 6 sections | 17500 | 4500 | 13000 | 1200 | 600/800/1000 | |
| A6-5+16 | | 21000 | 5000 | 16000 | 1200 | 600/800/1000 | |

Remark: The above are APOLLO standard models, if you need other sizes, please contact our sales freely.

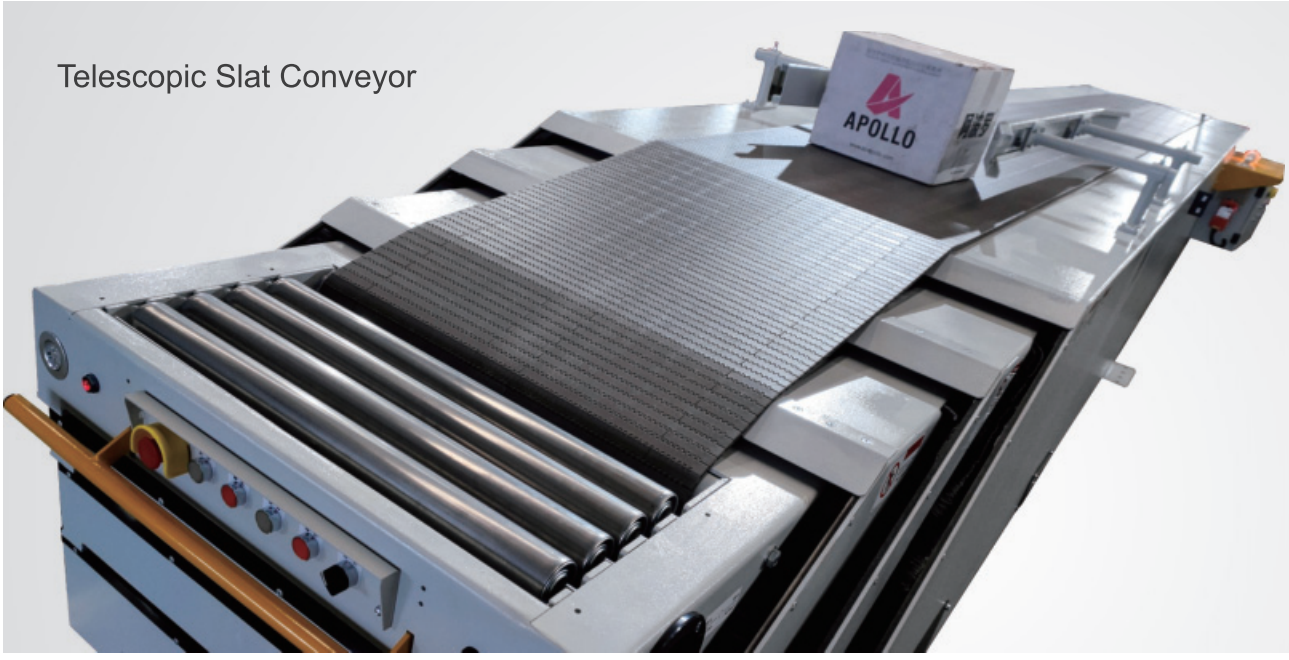
# APOLLO Fixed Type Telescopic Belt Conveyor Application



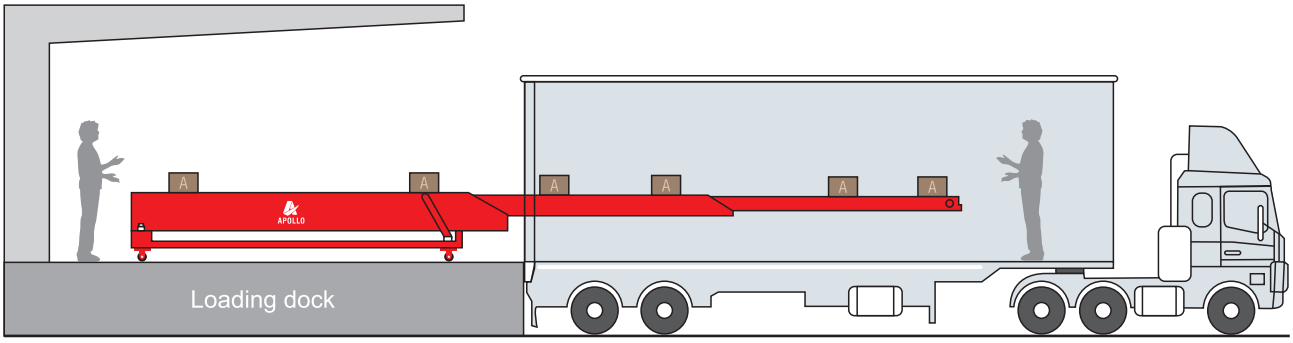




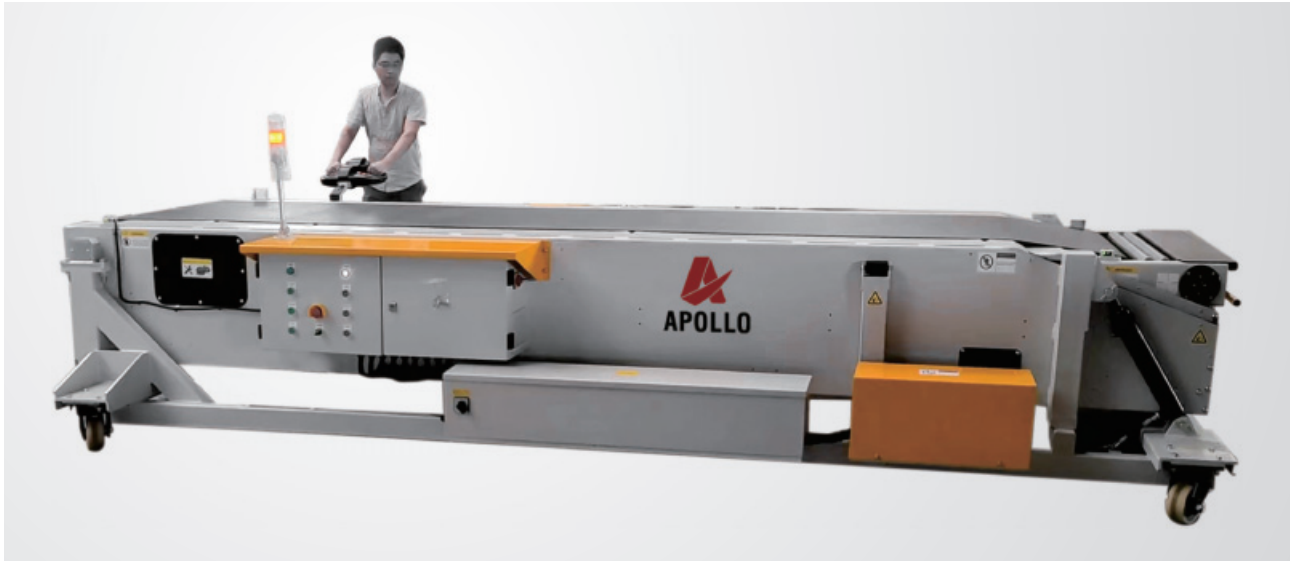


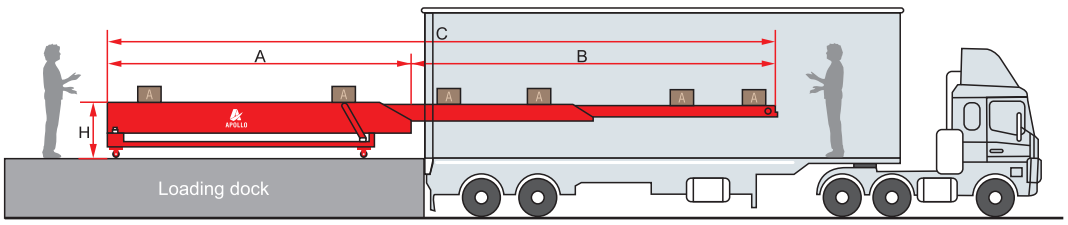
# APOLLO Movable Type Telescopic Belt Conveyor Selection




- Suitable to use on loading dock




# Movable Telescopic Belt Conveyor Parameters




| Model | Sections | Total length C (mm) | Fixed length A (mm) | Extension length B (mm) | Height (mm) | Belt width (mm) | Mobile way |
|---|---|---|---|---|---|---|---|
| M3-6+8 | 3 sections | 14000 | 6000 | 8000 | 900 | 600/800/1000/1200 | Manual / Motorized |
| M3-7+9.5 | | 16500 | 7000 | 9500 | 900 | 600/800/1000/1200 | Manual / Motorized |
| M4-5+10 | 4 sections | 15000 | 5000 | 10000 | 1100 | 600/800/1000/1200 | Motorized |
| M4-6+12 | | 18000 | 6000 | 12000 | 1100 | 600/800/1000/1200 | Motorized |
| M4-7+14 | | 21000 | 7000 | 14000 | 1100 | 600/800/1000/1200 | Motorized / Rail |
| M4-8+16 | | 24000 | 8000 | 16000 | 1100 | 600/800/1000/1200 | Motorized / Rail |

Remark: The above are APOLLO standard models, if you need other sizes, please contact our sales freely.

# APOLLO Movable Type Telescopic Belt Conveyor Types and Application




● Manual movement

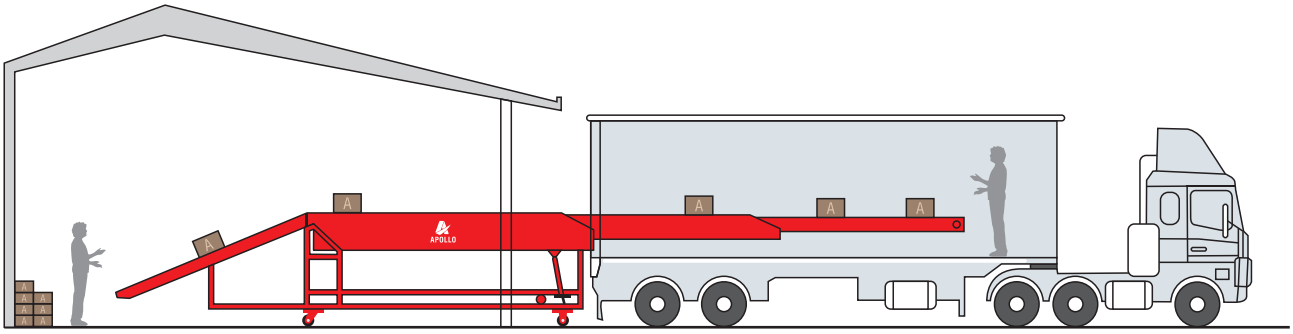


● Motorized movement




● Rail movement

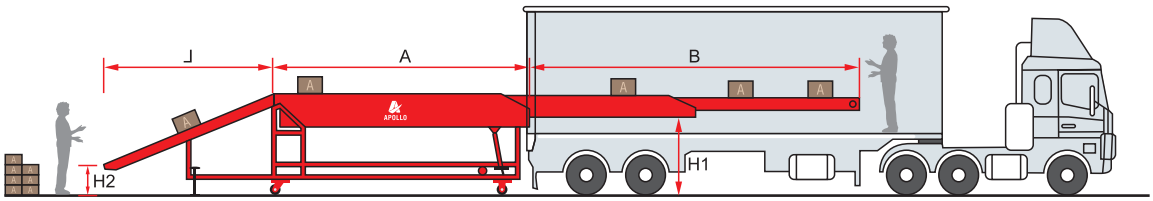
# APOLLO High Chassis Type
# Telescopic Belt Conveyor Selection (without loading dock)



● Suitable to use without loading dock



## APOLLO High Chassis Type Telescopic Belt Conveyor Parameters




| Model | Sections | Fixed length A (mm) | Extension length B (mm) | Slope L (mm) | Height H1 / H2 (mm) | Belt width (mm) | Installation way |
|---|---|---|---|---|---|---|---|
| V3-5+6.5 | 3 sections | 5000 | 6500 | 4000 | 1600/750 | 600/800/1000/1200 | Fixed / Mobile |
| V3-6+8 | | 6000 | 8000 | 4000 | 1600/750 | 600/800/1000/1200 | Fixed / Mobile |
| V4-5+10 | 4 sections | 5000 | 10000 | 4000/4500 | 1600/750 | 600/800/1000/1200 | Fixed / Mobile |
| V4-6+12 | | 6000 | 12000 | 4000/4500 | 1600/750 | 600/800/1000/1200 | Fixed / Mobile |
| V4-7+14 | | 7000 | 14000 | 4000/4500 | 1600/750 | 600/800/1000/1200 | Fixed / Mobile |

Remark: The above are APOLLO standard models, if you need other sizes, please contact our sales freely.

# APOLLO High Chassis Type
# Telescopic Belt Conveyor Application (without loading dock)




● Movable High Chassis Type




● Fixed High Chassis Type




● Rail Movement High Chassis Type

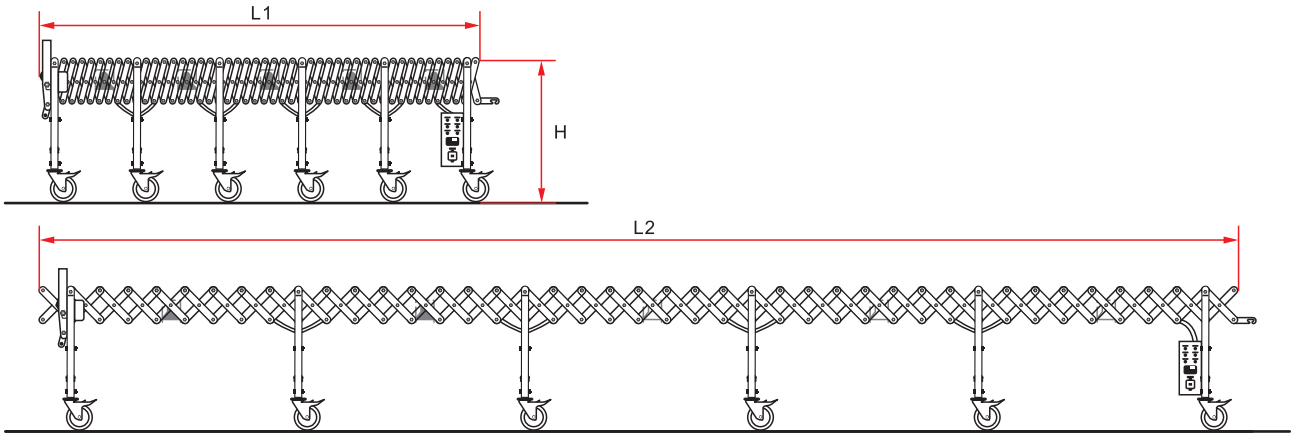
# Flexible Roller Conveyor



Product introduction:
See P.67-68 for details

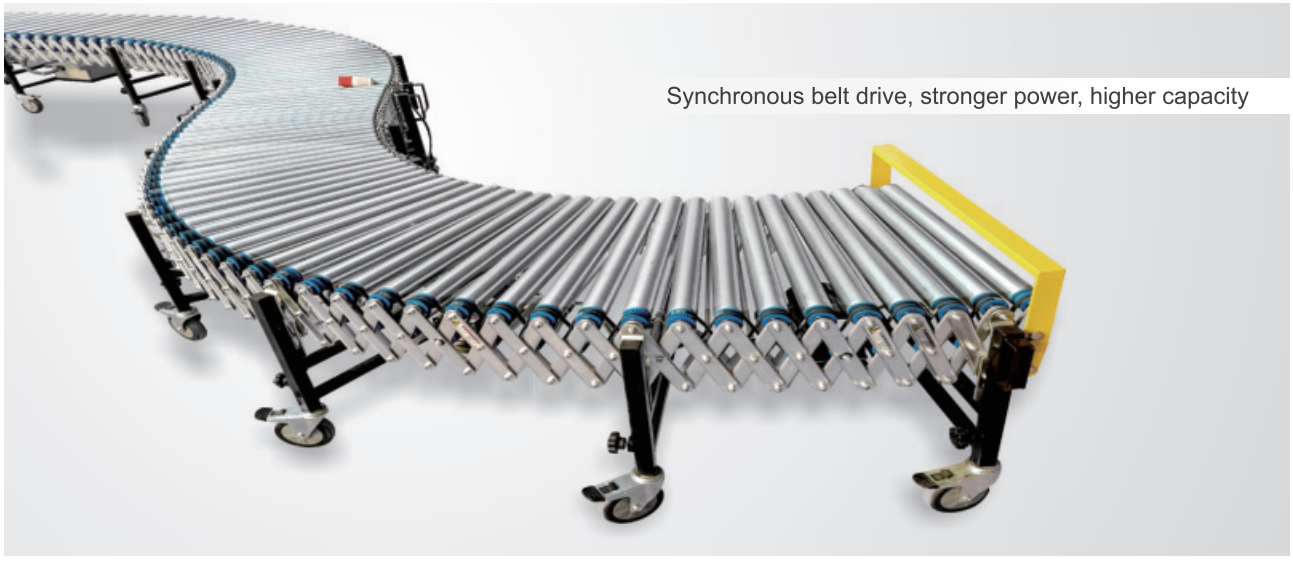
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# APOLLO Flexible Roller Conveyor Selection




| Model | Extended length L2 (mm) | Retracted length L1 (mm) | Height H (mm) | Roller width (mm) | Frame width (mm) | Roller material | Side guards |
|---|---|---|---|---|---|---|---|
| R-4500 | 4000 | 1550 | 700-1000 | 600/800 | 670/870 | Galvanized / Stainless Steel | Optional |
| R-6500 | 6000 | 2300 | 700-1000 | 600/800 | 670/870 | Galvanized / Stainless Steel | Optional |
| R-8000 | 8000 | 3100 | 700-1000 | 600/800 | 670/870 | Galvanized / Stainless Steel | Optional |
| R-10000 | 10000 | 3850 | 700-1000 | 600/800 | 670/870 | Galvanized / Stainless Steel | Optional |
| R-12000 | 12000 | 4700 | 700-1000 | 600/800 | 670/870 | Galvanized / Stainless Steel | Optional |
| R-15000 | 15000 | 5800 | 700-1000 | 600/800 | 670/870 | Galvanized / Stainless Steel | Optional |

Remark: The above is APOLLO standard models, if you need other sizes, please contact our sales freely.




APOLLO can provide customers with better factory logistics planning solutions through international experience in factory logistics innovation and optimization,

APOLLO Flexible Roller Conveyor is suitable for flexible and changeable occasion. Driven by motor, goods is transmitted automatically along with roller, no need manual to push goods; Shorten the distance of manual handling materials back and forth, shorten time, reduce the labor intensity, reduce the goods damage and improve the work efficiency.

APOLLO Flexible Roller Conveyor can be used alone, also can be combined with other conveying equipment, often used in goods transfer in the logistics center, enterprise storage, food, beverage etc. Directly used on ground after stretching, normally use to convey cartons with capacity 60 kg/m.

# APOLLO Flexible Roller Conveyor Application







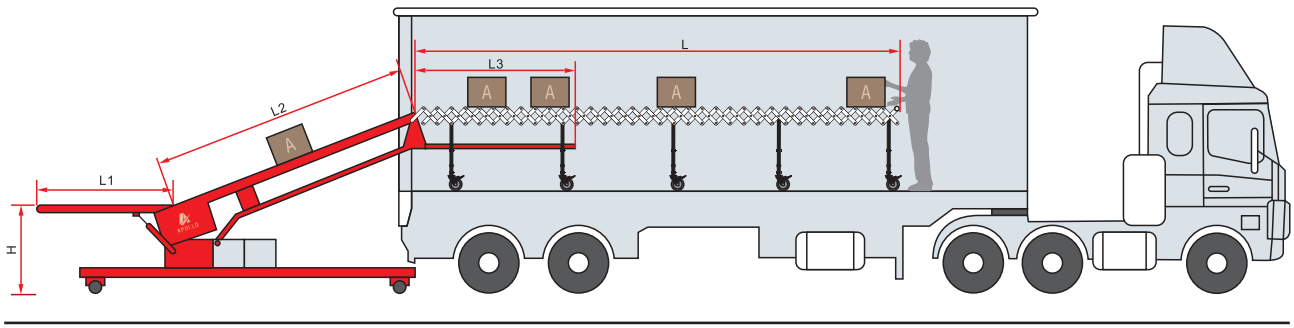
# Mobile Loading Conveyor




Product introduction:
See P.70 for details

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# APOLLO Mobile Loading Conveyor Selection




| Technical Parameters | | | | | | |
|---|---|---|---|---|---|---|
| Model | L1 (mm) | L2 (mm) | L3 (mm) | L (mm) | H (mm) | Belt width (mm) |
| B6-600 | 1200 | 3500 | 2600 | 6000 | 500-750 | 600 |
| B6-800 | 1200 | 3500 | 2600 | 6000 | 500-750 | 800 |

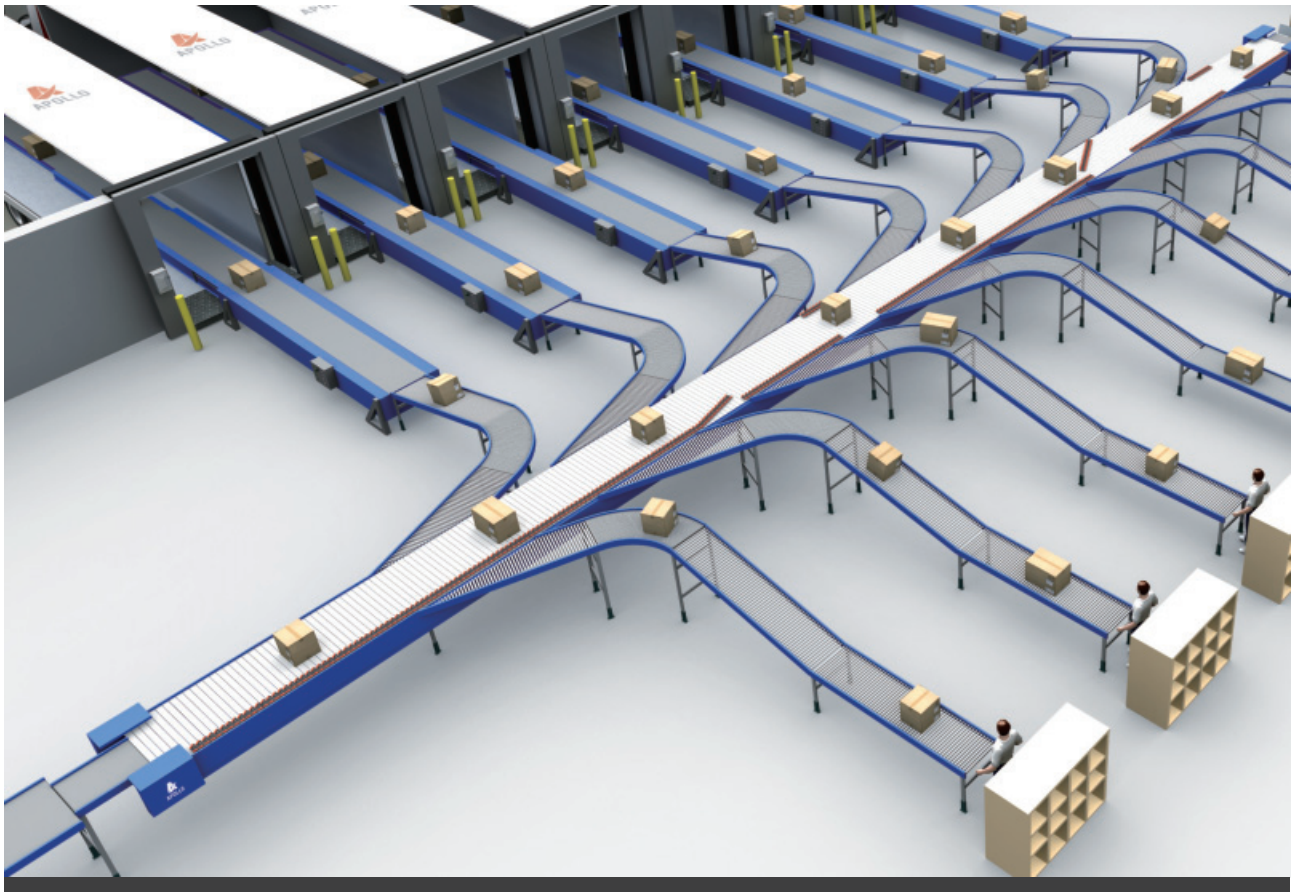
Remark: The above is APOLLO standard models, if you need other sizes, please contact our sales freely.







# Sliding Shoe Sorter



Product introduction:
See P.72-78 for details

Scan QR code on WeChat to watch video

# APOLLO Sliding Shoe Sorter Application




## Applications

- E-commerce, Logistic center, Pharmaceuticals, Clothes, Food, Tires, Furniture etc.

## Applicable Products

- Cartons, turnover boxes, tires, packages, etc.

## Sorting range

| Products can be sorted | length (mm) | Width (mm) | Height (mm) | Weight (kg) |
|---|---|---|---|---|
| Min. | 100 | 50 | 5 | 0.25 |
| Max. | 1800 | 1000 | 1000 | 60 |

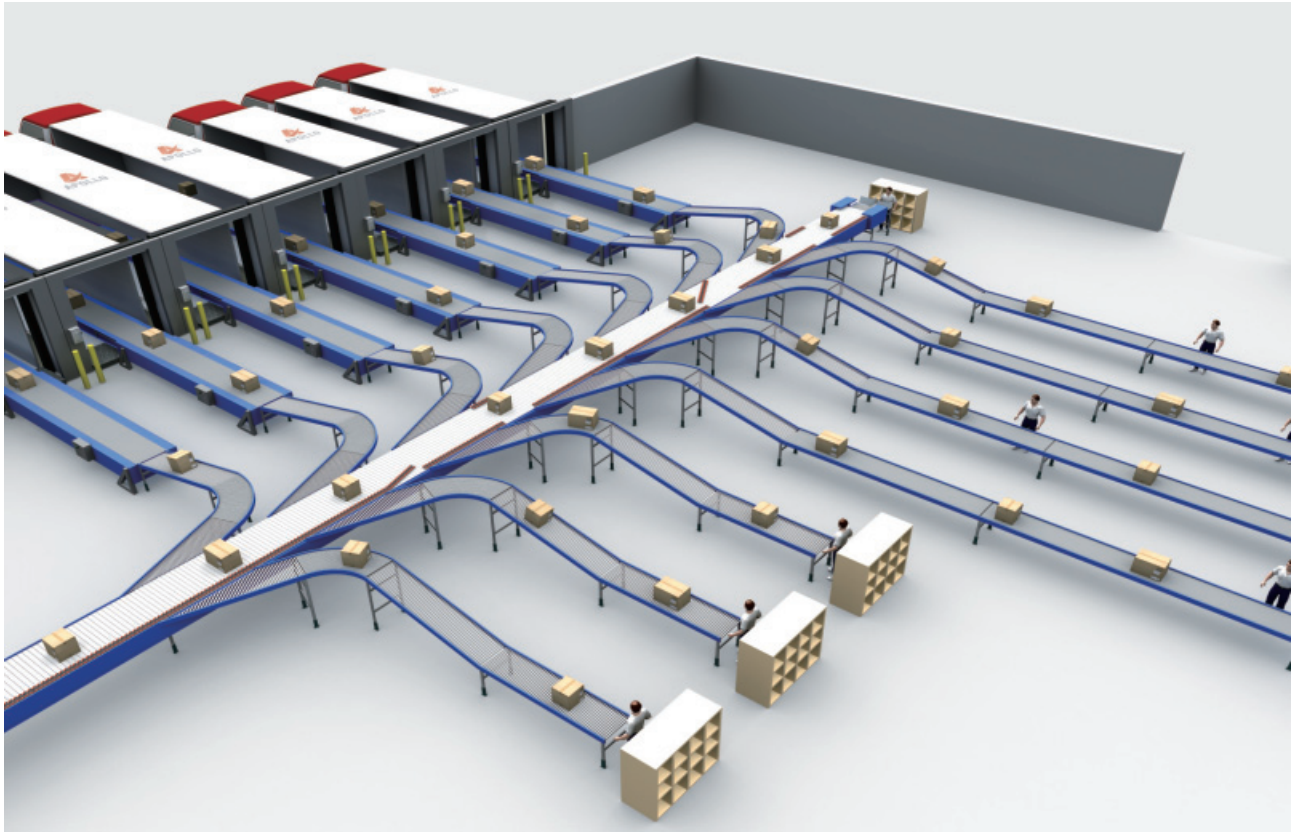








# APOLLO Sliding Shoe Sorter Selection



| Technical Parameters | | |
|---|---|---|
| Parameter name | Specification | Remark |
| Equipment Type | Single side / Double side | / |
| Equipment Length | 10m - 150m | Depend on proposal |
| Equipment Width | 500mm / 600mm / 800mm / 1000mm | Can customize width |
| Equipment Height | 1000mm - 4000mm | Can customize height |
| Equipment Material | Aluminum alloy | Accessories are carbon steel |

| | | |
|---|---|---|
| Products can be sorted | Cartons、Turnover boxes、Tires、 Parcels etc. | / |
| Goods weight | 0.1-60 kg/package | / |
| Sorting efficiency | 3000-5000 PPH/ 5000-8000 PPH/ 8000-10000 PPH | Dependon specifications of the goods |
| Run speed | Standard：1.5 m/s - 2.5 m/s | Maximum customize to 3m/s |

| | | |
|---|---|---|
| Working voltage | 3 phase 380V、415V、480V | Voltage can be customized |
| System software & DWS | APOLLO control software | Can customize as requirements |

# APOLLO Sliding Shoe Sorter Features

- Solve the optimization of enterprise internal logistics requirements, making the logistics sorting link more faster, flexible and effective
- Improve user's sorting efficiency, reduce enterprise logistics cost

## Features

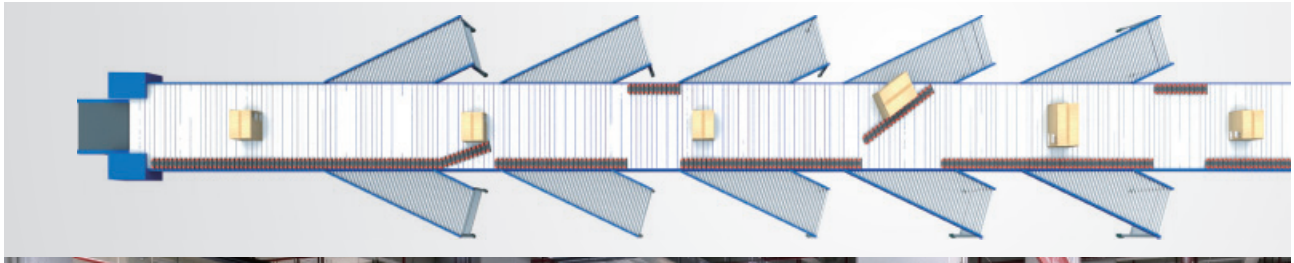
- High efficiency sorting
- Low sorting error rate
- Basically realize unmanned sorting
- Small occupation, save space
- Gentle handle, small impact, reduce damage on goods
- No limit on product shape, products type to be sorted are extensive
- Able to sort goods continuously and in large quantities

## Design Philosophy

- Modular design (easy assembly, easy maintenance, strong versatility)
- High sorting capacity design (high speed and efficient sorting, up to 180m / minute running speed)
- Reliability design (with mature technology and reasonable optimization of internal structure)
- Advanced design (adopt bus control, software developed by APOLLO)
- Variability design ( main conveyor length up to 150m, flexible to adjust or upgrade latest sorting demand)
- Low noise design (with noise absorption mechanism and sound-proof materials)
- Closed design (safety, aesthetic, noise reduction, protection against product damage or sticking)
- Ergonomic design (easy to operate and reduce working intensity)

## Sliding Shoe Sorter System Composition

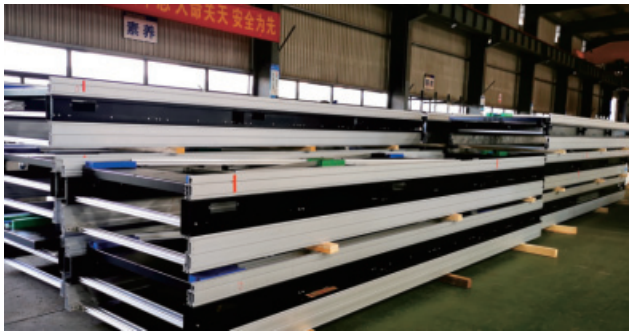
- Merge infeed conveyors + Main line conveyor + Accelerating conveyor to space products + Barcode scanner + Sliding Shoe Sorter + Outfeed conveyors (chute) etc.





# Production of Sliding Shoe Sorter

## Production in factory





## Performance test






## Commissioning at factory





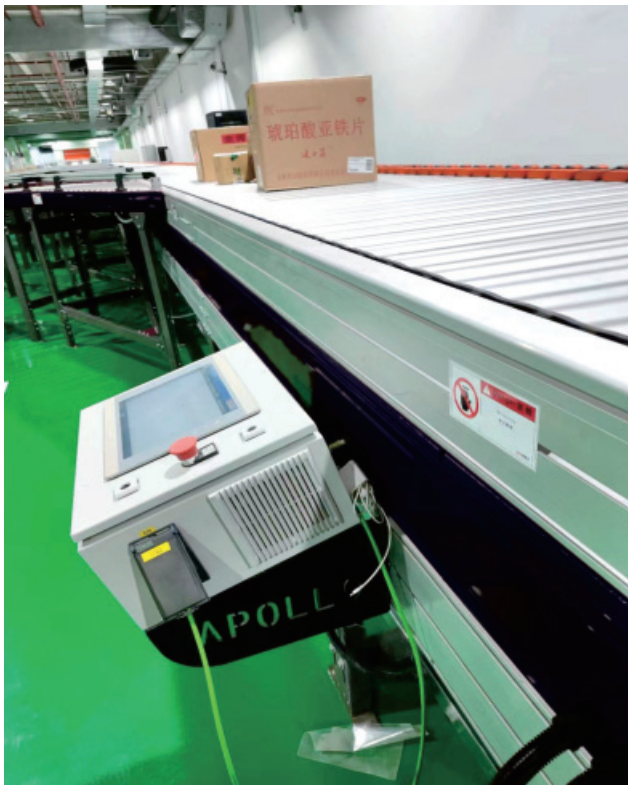


# APOLLO Slide Shoe Sorter Installation and Commission

## Installation and Delivery








# Application of Sliding Shoe Sorter (1)





## Application of Sliding Shoe Sorter





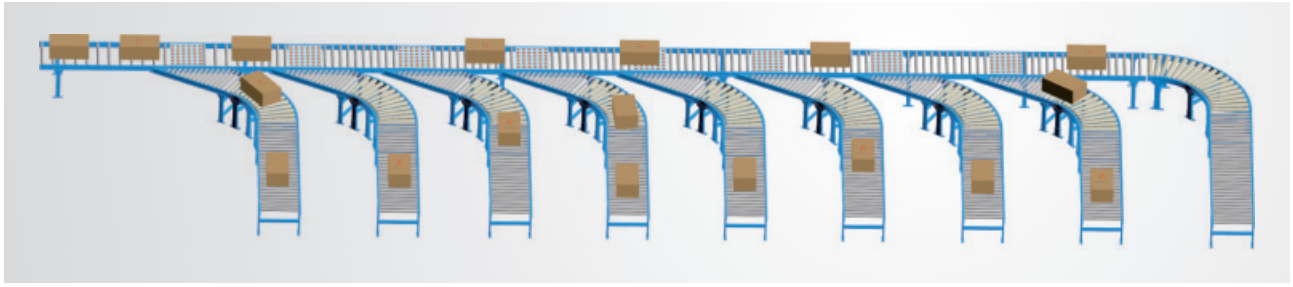

# Steerable Wheel Sorter

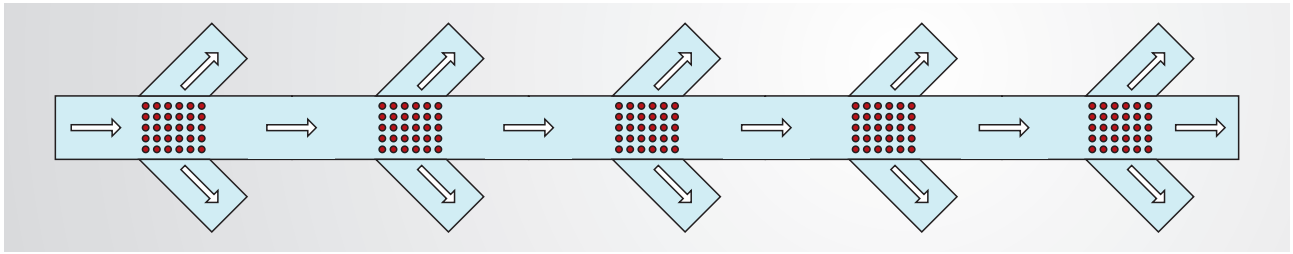


Product introduction:
See P.80-81 for details

Scan QR code on WeChat to watch video

# APOLLO Steerable Wheel Sorter Selection








| Technical Parameters | |
|---|---|
| Parameter name | Steerable Wheel Sorter |
| Equipment width | 500mm / 600mm / 700mm / 800mm |
| Steering method | Servo electric / pneumatic |
| Runspeed | ⩽90 m/min |
| Sorting angle | ±30° |
| Sorting efficiency | ⩽4000 products/hour (depending on the specifications of goods) |

## Application range

- E-commerce, fast-moving consumer goods, pharmaceuticals, clothing, food, tires, 3C electronics etc.

## Applicable Products

- Cartons, turnover boxes, tires, packages etc.

# APOLLO Steerable Wheel Sorter Application









# Pop-up Sorter

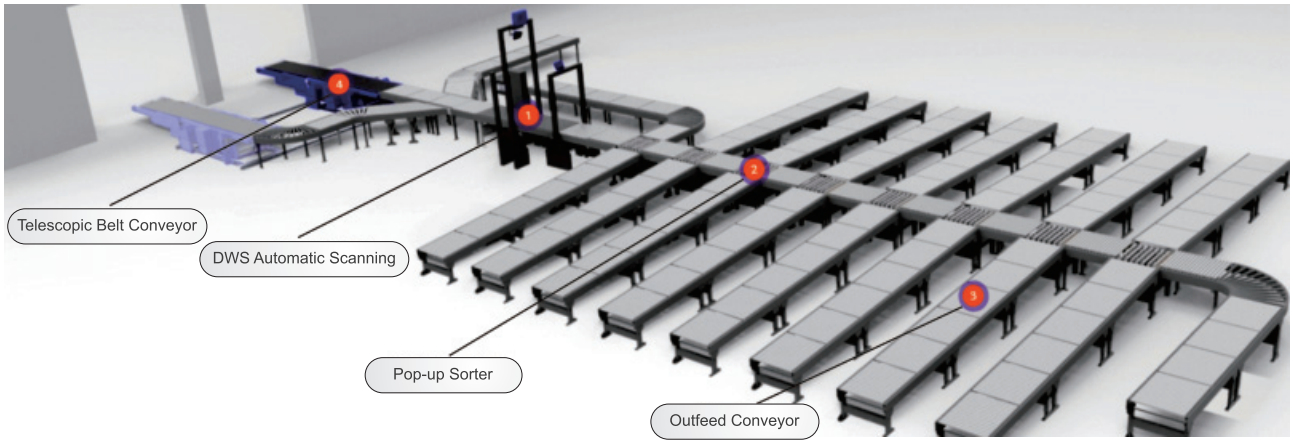


Product introduction:
See P.83 for details

Scan QR code on WeChat to
watch video

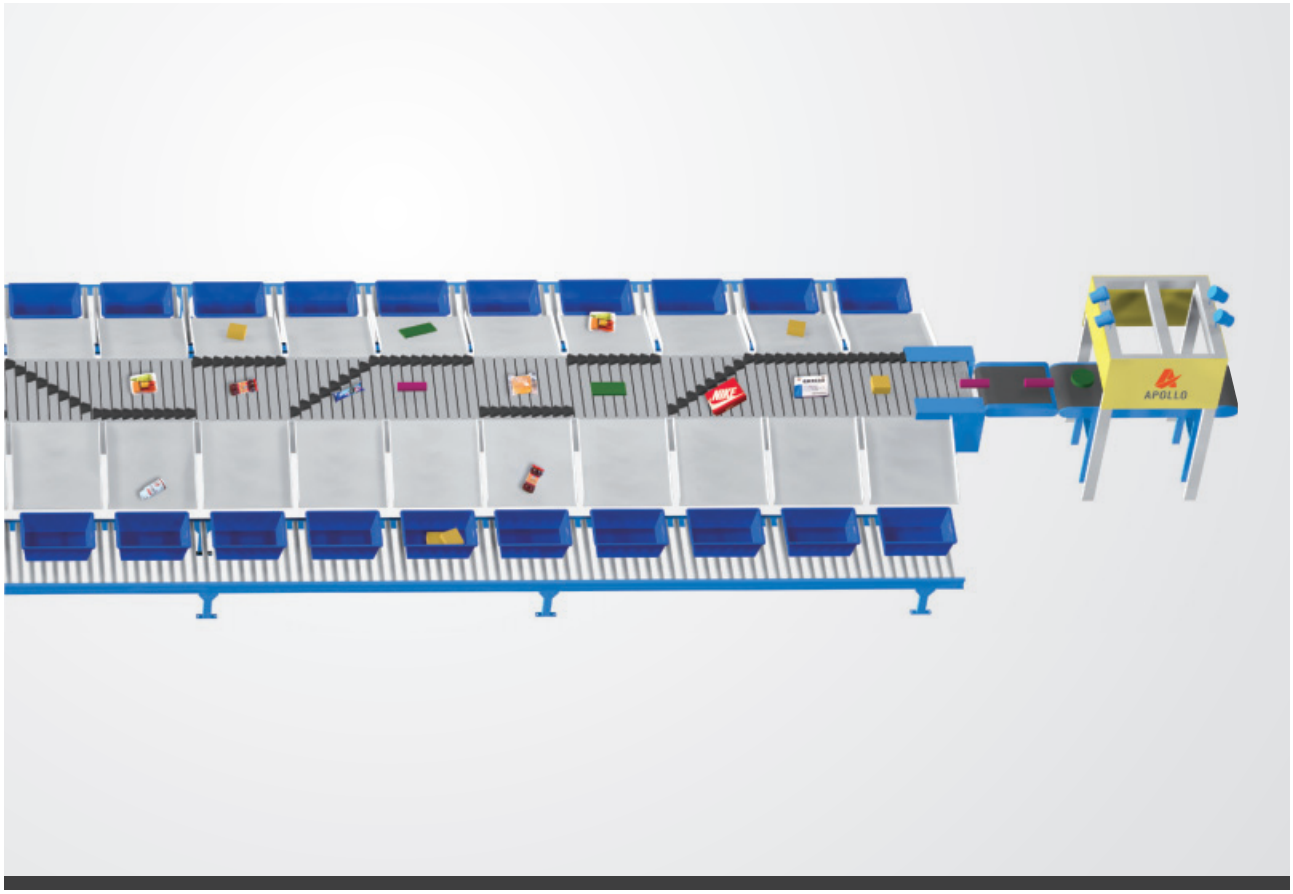
## APOLLO Pop-up Sorter Selection






| Technical Parameters | |
|---|---|
| Parameter name | Pop-up Sorter |
| Equipment width | 400mm / 500mm / 600mm / 700mm / 800mm |
| Steering method | Electric lifting and transferring |
| Run speed | ⩽60 m/min |
| Sorting Angle | 90° |
| Sorting efficiency | ⩽1800 products/hour (depending on the specifications of goods) |
| Sorting product | Cartons, turnover boxes, barrels, tires, etc. |

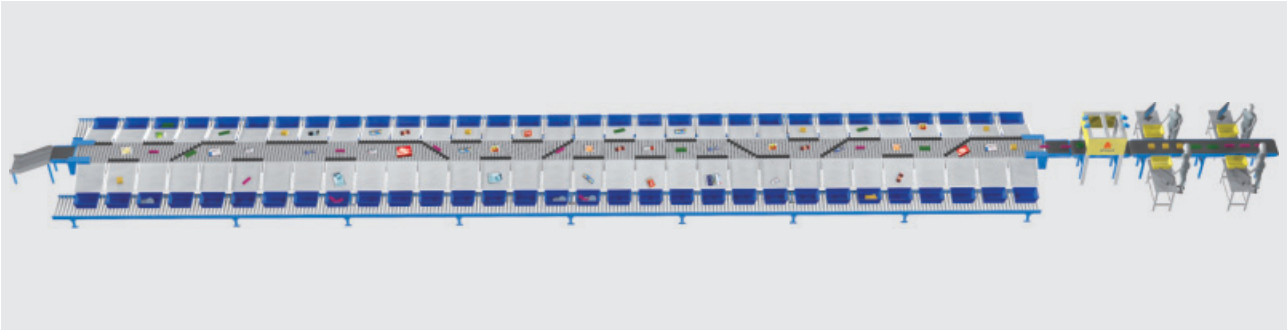
# Small-parcel Sliding Shoe Sorter



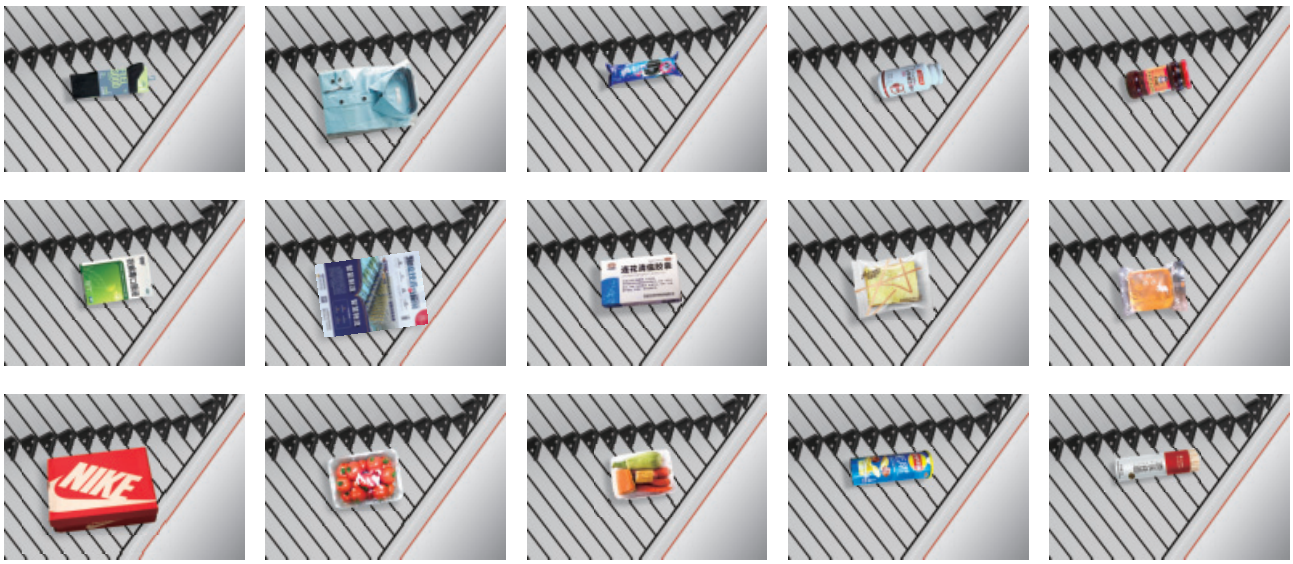
Product introduction:
See P.85-86 for details

Scan QR code on WeChat to watch video

## APOLLO Small-parcel Sliding Shoe Sorter Selection



## Types of products that can be sorted




| Technical Parameters | |
|---|---|
| Parameter name | Small-parcel Sliding Shoe Sorter |
| Equipment function | Put-to-Order PickingSmall Parcel Sorting |
| Equipment length | 10m - 100m |
| Output exit spacing | 800mm |
| Number of outputs | ⩽220 orders/unit |
| Equipment height | 800m-1400mm can be customized |
| Sorting efficiency | ⩽6000 products/hour |
| Cargo specifications | Max：400×300×250mm Min：50×50×5mm |
| Cargo weight | 50g-15kg |
| Equipment material | Aluminum alloy |

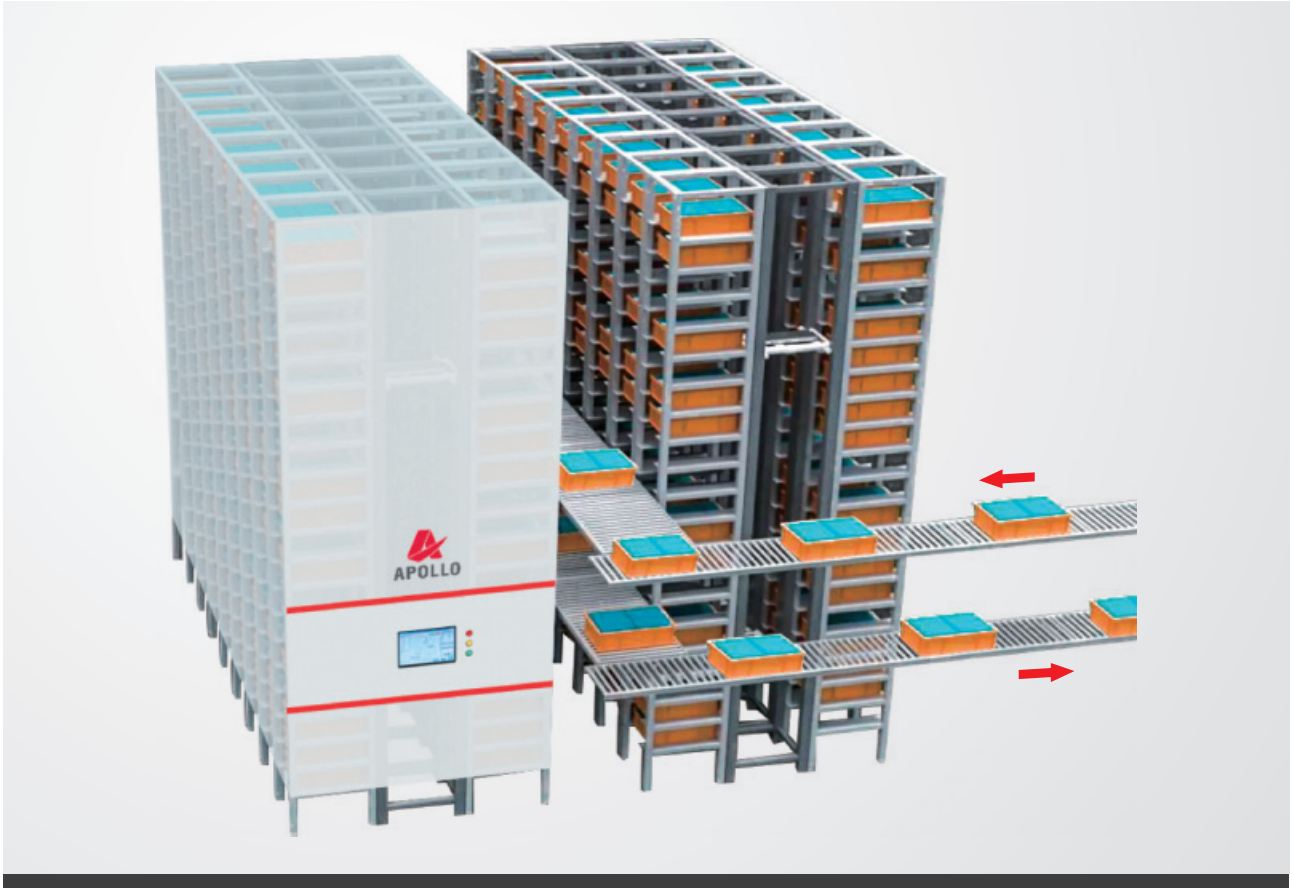
# APOLLO Small-parcel Sliding Shoe Sorter Application





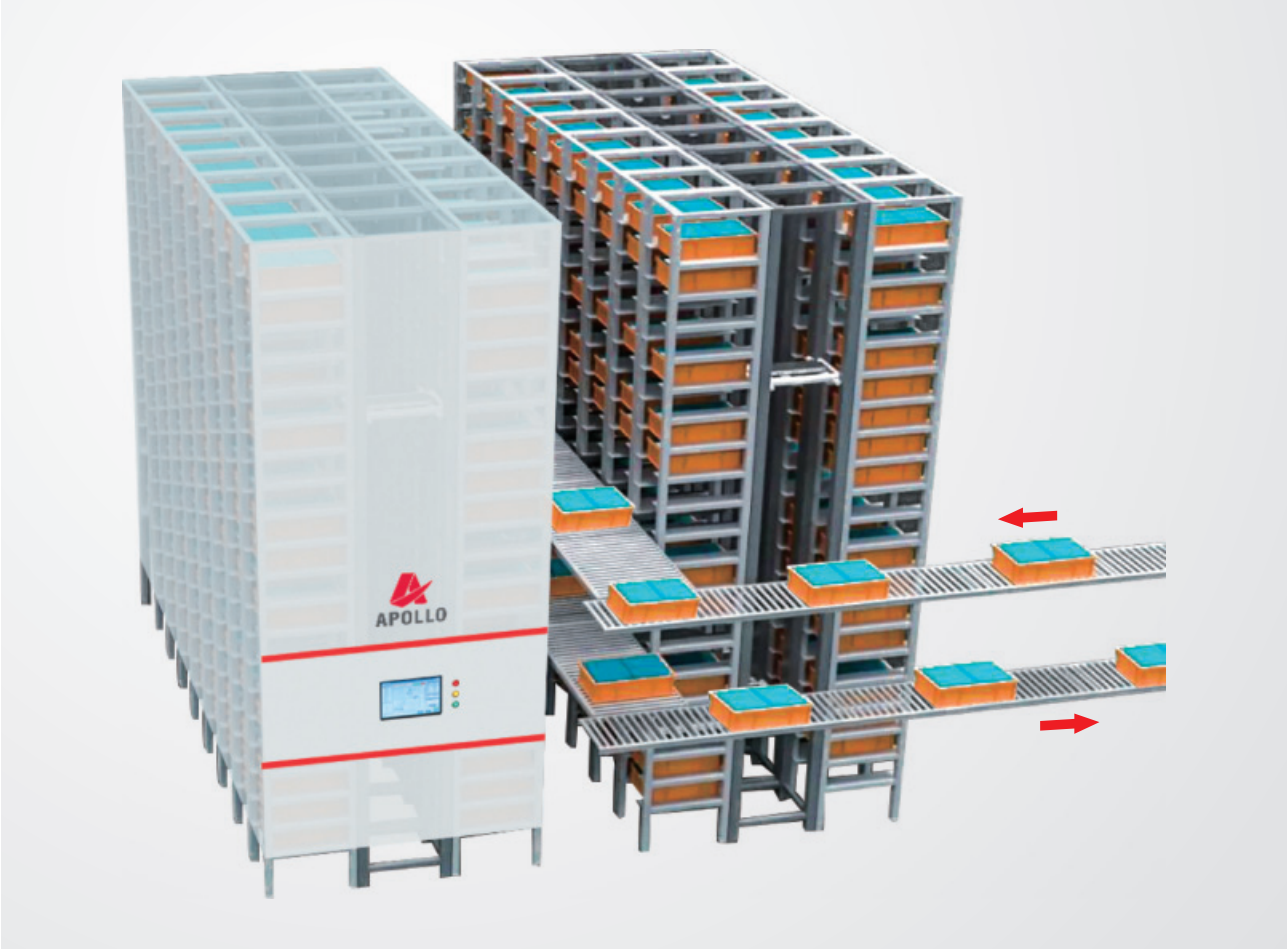


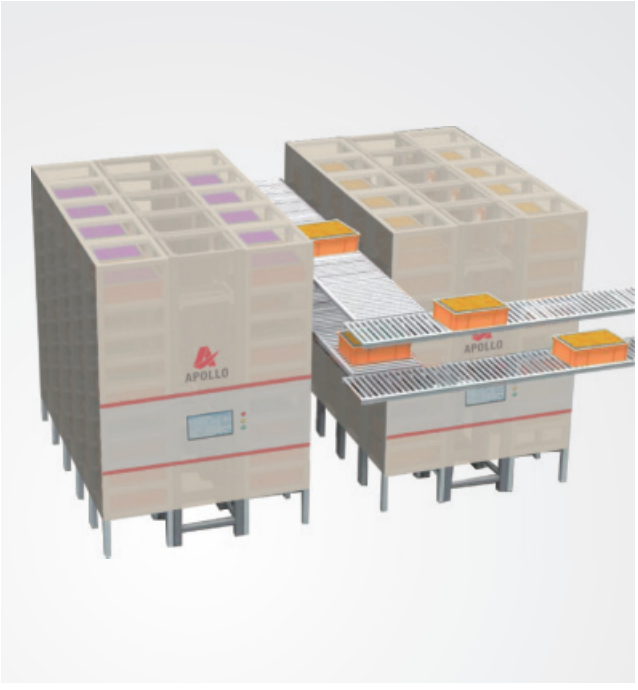
# APOLLO Compact Smart Warehouse

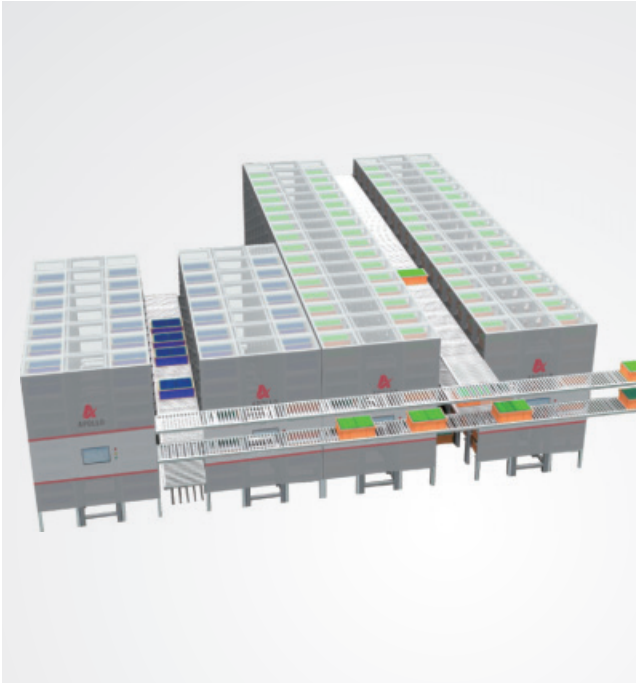



Product introduction:
See P.88 for details

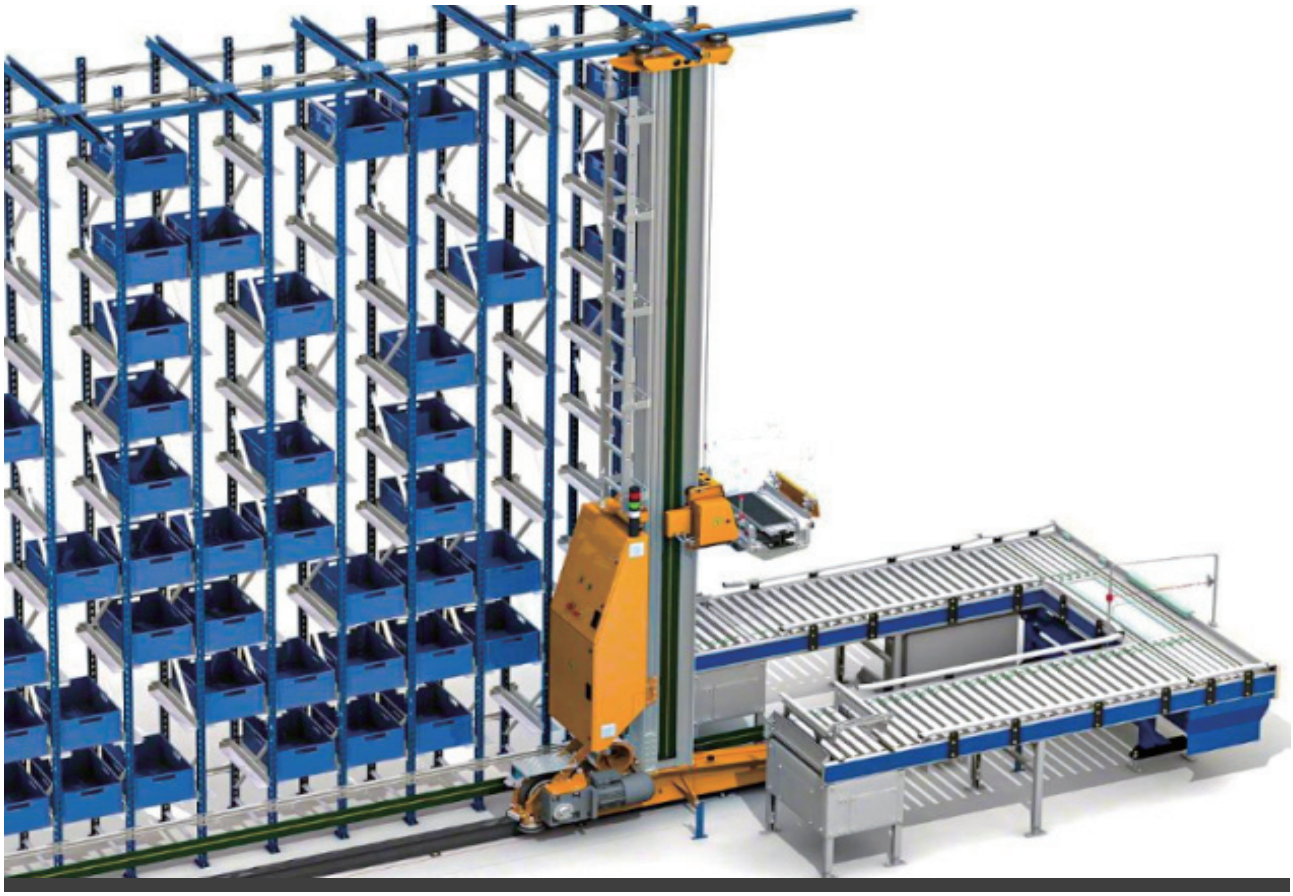
# Application of APOLLO Compact Smart Warehouse



# Miniload AS / RS



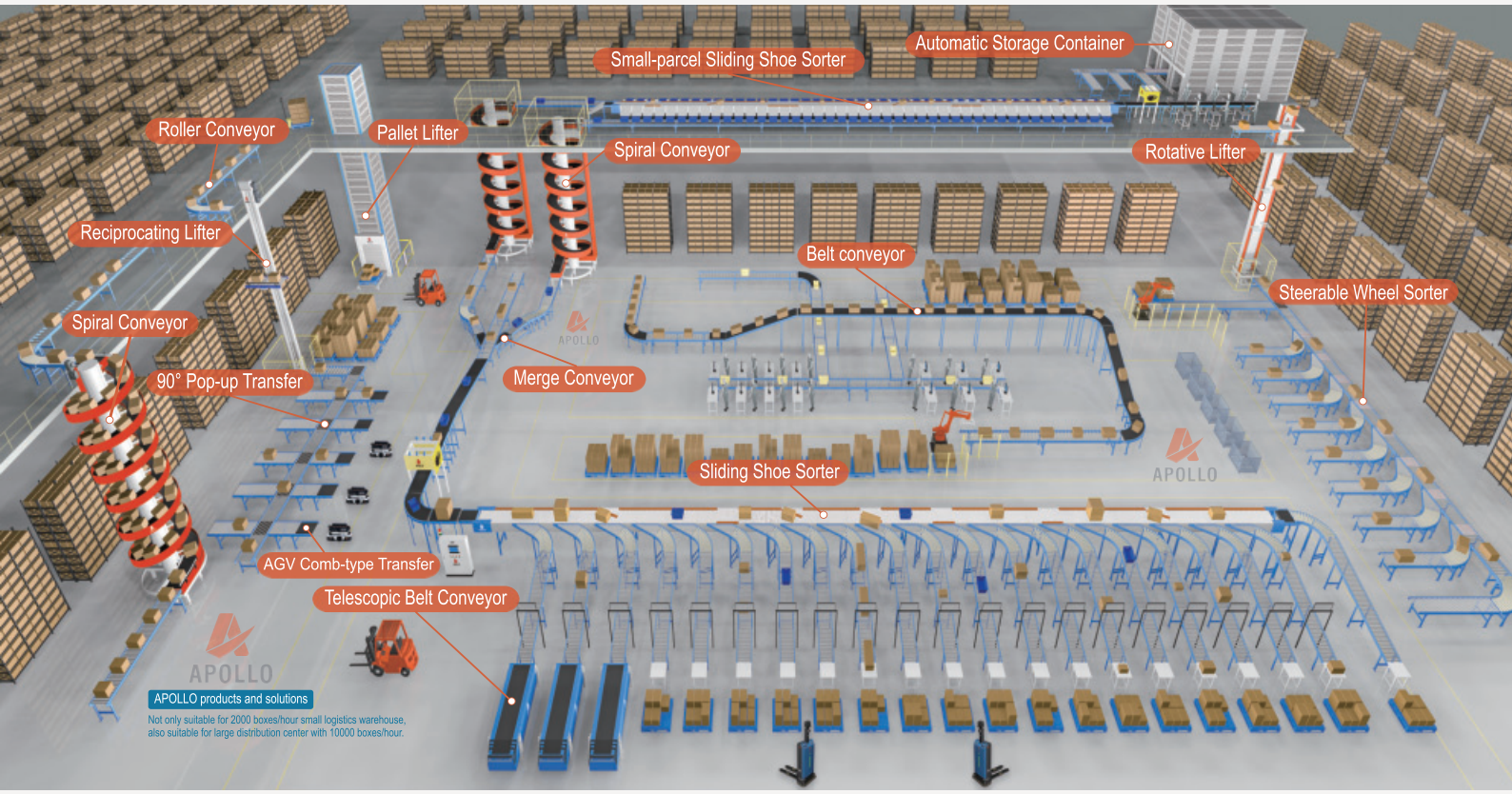
Product introduction:
See P.90 for details

# Application of APOLLO Miniload AS / RS





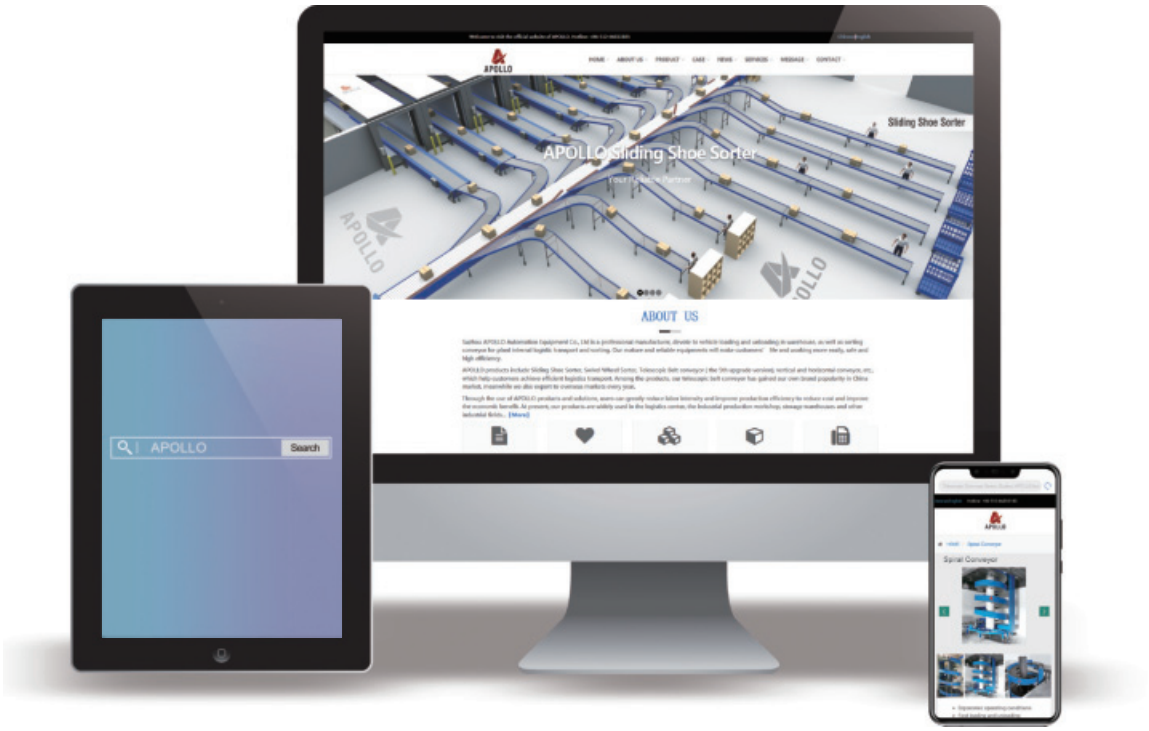







# APOLLO

## More products coming soon...




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