



产品介绍 PRODUCT INTRODUCTION


垂直搬运系统主要由机架、垂直牵引机构、水平搬送机构、安全防护机构及控制系统组成，实现货物在不同高度层之间的搬运功能，广泛应用于生产物流、仓储物流、分拣配送物流等场景。


The vertical conveyor system, mainly consisting of components such as a frame, vertical traction mechanism, horizontal conveying mechanism, safety protection mechanism, and control system. It realizes the function of goods handling between different height levels and is widely used in production logistics, warehousing logistics, sorting and distribution logistics, and other scenarios.


产品特点 PRODUCT FEATURES

- 

场地空间利用率高
Small footprint
- 

高扬程
Long-distance cross-floor transportation
- 

运载量大
High throughput
- 

定位精准
Accurate positioning
- 

连续高速输送
Continuous high-speed transport

47+

已授权专利47件
47 authorized patents

被认证为“苏州制造”、“江苏精品”
Certified as "Made in Suzhou", "Quality Product of Jiangsu"

年均交付量400+台
Average annual delivery quantity: 400units

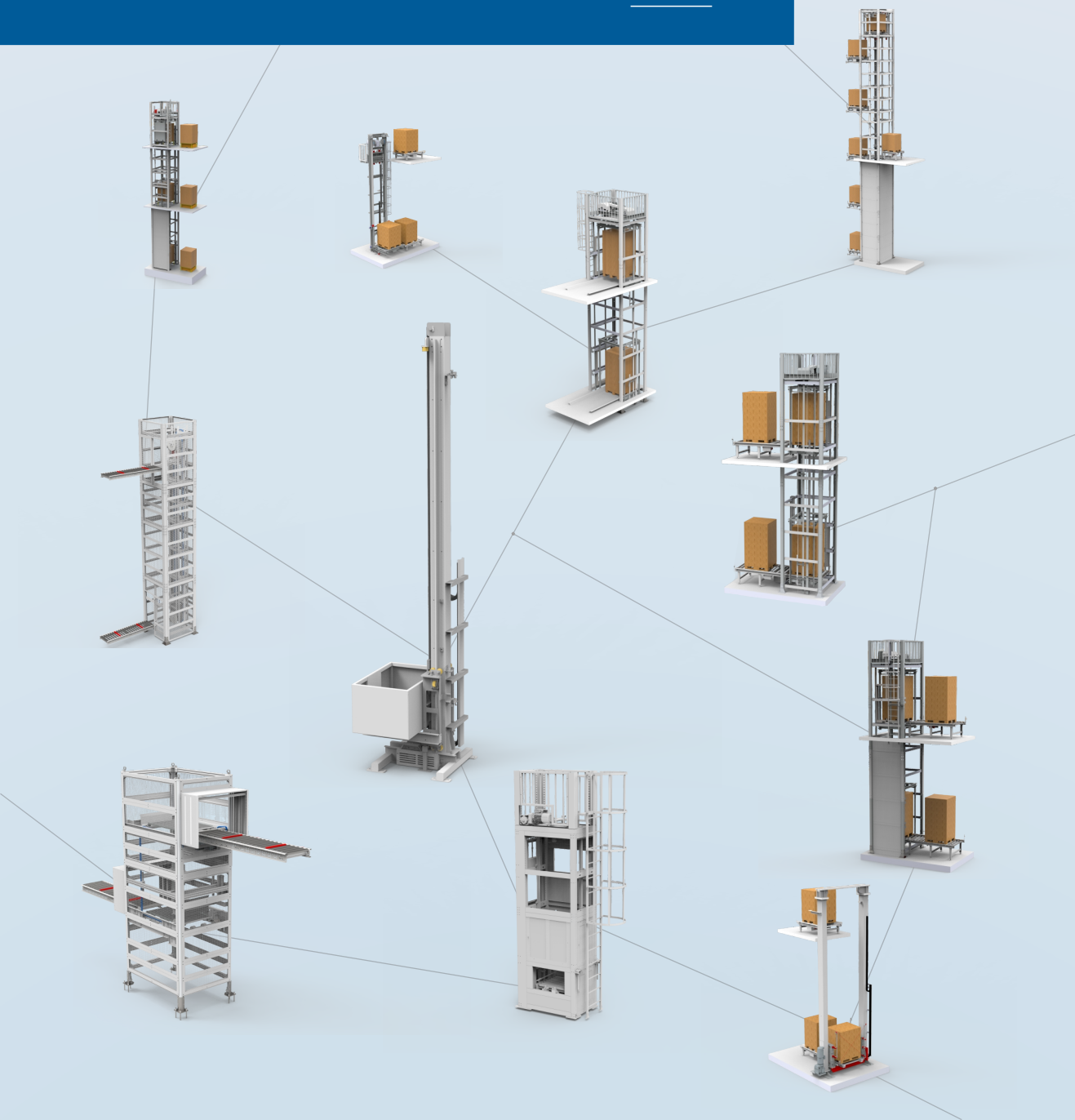
部分用户 OUR USERS

INTELLIGENT LOGISTICS EQUIPMENT
AND SERVICE PROVIDER
智能物流技术装备及服务供应商



VERTICAL CONVEYOR SYSTEM
垂直搬运系统



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托盘垂直输送机 PALLET VERTICAL CONVEYOR

适合于大件或重型物料的垂直输送,重量一般≥300kg。采用链条/钢丝绳驱动,进行往复输送,满足多个高度层间的输送需求。


The pallet vertical conveyor is suitable for the vertical transportation of large or heavy materials, generally weighing ≥300kg. It employs chain/steel wire rope drives for reciprocal conveyance, meeting the transportation needs between multiple height levels.

设备参数/ Equipment Parameters

	框架式 Frame vertical conveyor		悬臂式 Cantilever vertical conveyor	双立柱式 Double columns vertical conveyor
提升方式/Lifting method	链条/chain	钢丝绳/wire rope	链条/chain	链条/chain
最低输送高度/Min. conveying height	500mm	500mm	500mm	500mm
最大高度/Max. height	36m	60m	24m	24m
最大载荷/Max. load	3000kg	1500kg	1500kg	1500kg
提升速度/Lifting speed	0-60m/min	0-120m/min	0-60m/min	0-60m/min
定位精度/Positioning accuracy	±3mm	±3mm	±3mm	±3mm


产品特点/ Product Features

框架式链条/Frame-chain vertical conveyor




- > 维护工作少
- > 负载大
- > 模块化程度高
- > 下置式驱动架结构对顶部空间需求小
- > Requires minimal maintenance
- > High load capacity
- > High modularity
- > The bottom-mounted drive frame structure requires less overhead space

框架式钢丝绳/Frame-wire rope vertical conveyor




- > 结构稳定性好
- > 负载大
- > 模块化程度高
- > 可高速运行
- > Excellent structural stability
- > High load capacity
- > High modularity
- > Capable of high-speed operation

悬臂式/Cantilever vertical conveyor



- > 低成本
- > 顶部空间需求小, 适用于顶部空间受限场景
- > 占地面积最小, 便于工艺布局
- > Lower cost
- > Requires minimal overhead space, suitable for scenarios with limited overhead space
- > Occupies the smallest footprint, facilitating process layout


双立柱式/Double columns vertical conveyor



- > 占地面积小, 便于工艺布局
- > 顶部空间需求小, 适用于顶部空间受限场景
- > 结构紧凑, 便于工艺布局
- > Occupies a small footprint, facilitating process layout
- > Requires minimal overhead space, suitable for scenarios with limited overhead clearance
- > Compact structure, facilitating process layout

行业应用/ Industry Applications

电子、服装、化工、
建筑、军工、新能源、
汽车、医药、烟草、
食品饮料、新零售



Electronics, Apparel,
Chemicals, Construction,
Military, Pharmaceuticals,
Automobile, New Energy,
Food and Beverages,
New Retail, Tobacco

料箱垂直输送机 BOX VERTICAL CONVEYOR

适合于轻型物料的垂直输送,重量一般≤300kg。采用链条/同步带驱动,进行往复或连续输送,可满足多个高度层间的高效输送需求。

The vertical material box conveyor is suitable for the vertical transportation of lightweight materials, generally weighing ≤300kg. It utilizes chain/synchronous belt drives for reciprocal or continuous conveyance, meeting the efficient transportation needs between multiple height levels.

设备参数/ Equipment Parameters

	框架式往复 Frame Reciprocating Vertical Conveyor	悬臂式往复 Cantilever Reciprocating Vertical Conveyor	链板式连续 Chain-Plate Continuous Vertical Conveyor	回转式连续 Rotary Continuous Vertical Conveyor
提升方式/Lifting method	同步带/synchronous belt	同步带/synchronous belt	链条/chain	链条/chain
最低输送高度/Min. conveying height	500mm	500mm	500mm	500mm
最大高度/Max. height	30m	30m	24m	24m
最大载荷/Max. load	300kg	150kg	100kg	30kg
提升速度/Lifting speed	0-180m/min	0-180m/min	0-30m/min	0-30m/min
定位精度/Positioning accuracy	±3mm	±3mm	-	-

产品特点/ Product Features

框架式往复/Frame reciprocating vertical conveyor



- > 高稳定性
- > 负载大
- > 模块化程度高
- > 布局灵活, 对停靠的层数无限制, 可以在三个输送方向任意布置
- > 高扬程
- > High stability
- > High load capacity
- > High modularity
- > Flexible layout, unlimited parking levels, arrangeable in 3 conveying directions
- > Long-distance cross-floor transportation

悬臂式往复/Cantilever reciprocating vertical conveyor



- > 负载大
- > 成本低
- > 模块化程度高
- > 布局灵活, 对停靠的层数无限制, 可以在三个输送方向任意布置
- > High load capacity
- > Low cost
- > High modularity
- > Flexible layout, unlimited parking levels, arrangeable in 3 conveying directions

链板式连续/Chain-plate continuous vertical conveyor



- > 输送能力:1500件/小时
- > 搬运形式:C Z
- > 应用范围广, 对货物尺寸、重量的包容性强
- > 输送平稳性好
- > 标准化、模块化程度高, 供货周期短
- > Conveying capacity: 1500 pcs/h
- > Infeed/Outfeed types:C Z
- > Wide application range with strong tolerance for cargo size and weight
- > Good conveying stability
- > High standardization & modularity, short delivery lead time

回转式连续/Rotary continuous vertical conveyor



- > 输送能力:2000件/小时
- > 搬运形式:C Z L A
- > 对接输送机样式多样
- > 布局较为灵活, 搬运布局、楼层多样化, 可实现多进多出功能
- > 标准化、模块化程度高, 供货周期短
- > Conveying capacity: 2000 pcs/h
- > Infeed/Outfeed types:C Z L A
- > Various types of docking conveyors available
- > Flexible layout, diverse conveying & floor plans, multi-entry/exit capable
- > High standardization & modularity, short delivery lead time

行业应用/ Industry Applications



电子、服装、新能源、汽车、医药、食品饮料、新零售
Electronics, Apparel, New Energy, Automobile,
Pharmaceutical, Food and Beverages,
New Retail

特殊类垂直输送机 SPECIAL VERTICAL CONVEYOR

根据用户的定制化需求,开发了AGV接驳式、多功能循环式、密集存储式等一系列应用于特定场景的垂直输送机,可满足大重重、高精度等特殊搬运需求。


We have developed AGV Shuttle, Multifunctional Cycle, and High-density Storage Vertical Conveyor tailored for various scenarios, addressing special handling needs like heavy loads and high precision.

设备参数/ Equipment Parameters

	密集存储式 High-density Storage Vertical Conveyor	AGV接驳式 AGV Shuttle Vertical Conveyor	循环托盘式 Circular Pallet Vertical Conveyor
提升方式/Lifting method	齿轮齿条/gear and rack	链条/chain	链条/chain
最低输送高度/Min. conveying height	600mm	500mm	500mm
最大高度/Max. height	36m	36m	36m
最大载荷/Max. load	2500kg	2000kg	2000kg
提升速度/Lifting speed	0-40m/min	0-60m/min	0-60m/min
定位精度/Positioning accuracy	±2mm	±2mm	±2mm


产品特点/ Product Features

密集存储式/High-density storage vertical conveyor




- > 高稳定性
- > 负载大
- > 模块化程度高
- > 布局灵活, 对停靠的层数无限制, 可以在三个输送方向任意布置
- > 高扬程
- > High stability
- > High load capacity
- > High modularity
- > Flexible layout with no restriction on the number of parking levels, capable of being arranged in any of three conveying directions
- > Long-distance cross-floor transportation

AGV接驳式/AGV shuttle vertical conveyor



- > 负载大
- > 低成本
- > 模块化程度高
- > 布局灵活, 对停靠的层数无限制, 可以在三个输送方向任意布置
- > High load capacity
- > Low cost
- > High modularity
- > Flexible layout with no restriction on the number of parking levels, capable of being arranged in any of three conveying directions

循环托盘式/Circular pallet vertical conveyor



- > 基本结构同框架式
- > 母托盘不下线, 搬送物样式广, 无需顾虑货物包装外形
- > 配合地牛提升机, 可以实现手动地牛推车直接输送上线功能
- > The basic structure is the same as that of the framed type
- > The mother pallet remains on the line, allowing for a wide range of conveyed items without needing to consider the outer packaging shape of the goods
- > In combination with a forklift elevator, it enables direct conveying and loading onto a manual forklift trolley

行业应用/ Industry Applications

电子、医药、食品



Pharmaceuticals,
Electronics,
Food and beverage