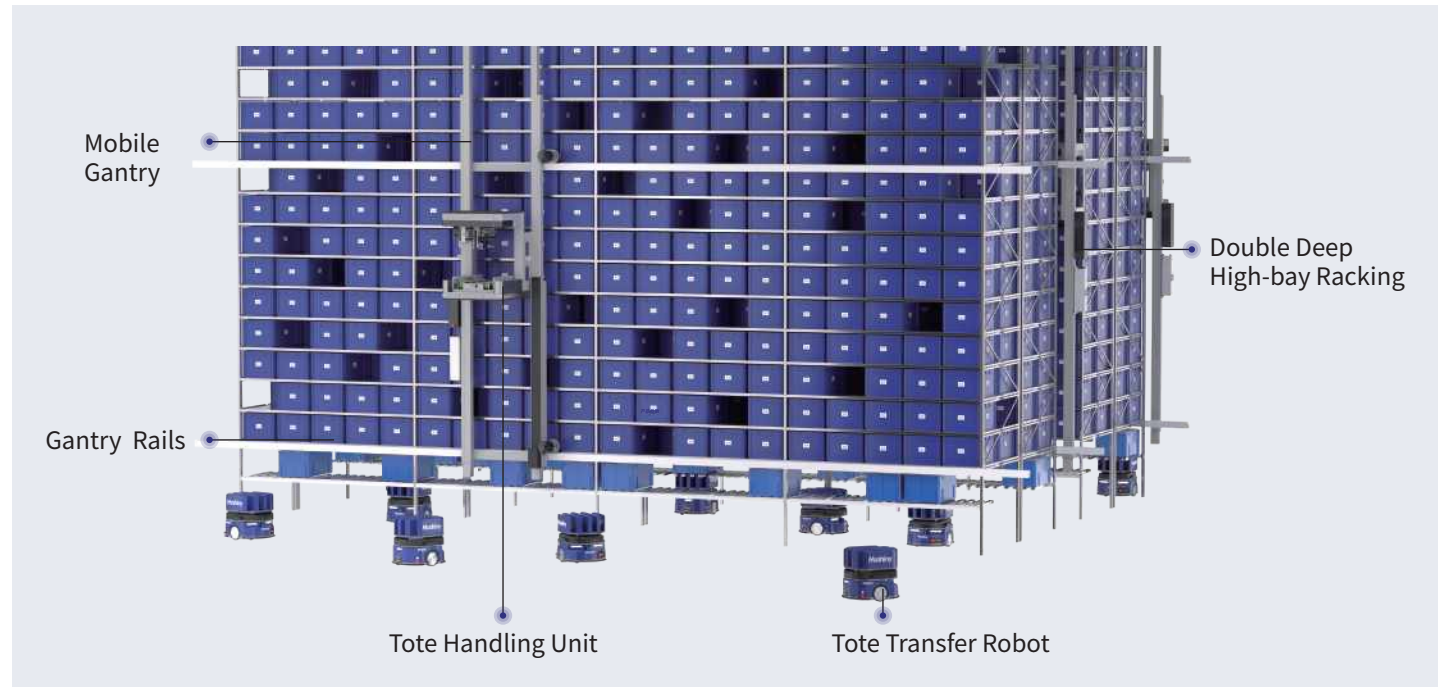


## Product Overview



## Technical Specifications

<b>Tote</b>	<b>Straight Wall / Tilt Tote</b> Types	<b>50kg (110.23lb)</b> Max Load	<b>L600*W400*H270~300mm (L23.62*W15.75*L10.63~11.81in)</b> Dimensions	<b>Multi-compartment compatible</b> Management
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<b>Racking</b>	<b>12m (39.37ft)</b> Max Height	<b>20mm (0.79in)</b> Tote Spacing	<b>900mm (35.43in)</b> Aisle Width	<b>Single-deep and double-deep</b> Storage Method
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### Handling System

<b>Speed</b>	<b>3m/s(6.71mph)</b> X-axis Max Speed	<b>1.5m/s<sup>2</sup>(4.92ft/s<sup>2</sup>)</b> X-axis Acceleration	<b>3m/s(6.71mph)</b> Y-axis Max Speed	<b>1.5m/s<sup>2</sup>(4.92ft/s<sup>2</sup>)</b> Y-axis Acceleration
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<b>Positioning</b>	<b>±5mm(±0.2 in)</b> Horizontal Accuracy	<b>±5mm(±0.2 in)</b> Vertical Accuracy	<b>Power Supply</b>	Sliding Contact Line
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<b>Operating Environment</b>	<b>-5~+50°C</b> Temperature	<b>≤75dB (A)</b> Noise Level	<b>Wireless Transmission</b>	Wi-Fi
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# MIX Pro High-bay Tote Comprehensive Solution





## Use Case

**Scenarios** High-density, high-throughput Tote-to-Person solutions that support unit picking, full tote picking, and buffer consolidation needs

**Industries** Apparel, General Merchandise, Hardware & Electronics, Pharmacy, Cosmetics, 3C, Books

### MIX Pro Integrated Solution for Diverse Categories



### MIX Pro Tote-to-Person Solution



#### Mixed Dispatching Support

The same workstation supports order picking for MIX Pro totes, standard Layer-POD, and Pallet-POD, with high compatibility for stored product sizes, enabling full-category storage and picking in the same scenario. diverse categories

#### Tote Transfer Robot+ Picking Workstation

Combining high-bay double-deep racking with tote transfer robots to achieve a high-density and flexible tote-to-person solution

### MIX Pro High-Throughput Solution

- ◆ Connecting Tote Handling system and conveyor system to achieve higher throughput
- ◆ Flexibly choose the Tote Transfer Robot + conveyor line combination scheme based on business scenarios and throughput requirements

## Product Introduction

MIX Pro is a cutting-edge solution designed specifically for high-density tote storage environments. Its compact racking system, reaching heights of up to 12 meters with double-deep bays, optimizes storage density to achieve exceptional space utilization. With its mobile tote handling system, MIX Pro works seamlessly with tote transfer robots, creating an efficient Tote-to-person system that significantly enhances the speed and accuracy of operations.

The MIX Pro workstation boasts outstanding compatibility, supporting picking from MIX Pro totes, standard Layer-POD and Pallet-POD. This flexibility enables integrated storage and precise picking across diverse product categories. These advanced features position MIX Pro as the optimal choice for sophisticated warehouse operations. By facilitating efficient storage and accurate picking across a broad range of categories, MIX Pro empowers businesses to enhance operational efficiency, reduce costs, and deliver greater value

## Product Features

- High storage capacity**
  - ◆ Racking height up to 12 m
  - ◆ Aisle width narrowed to 900 mm
  - ◆ Support double-deep storage and two-way movement of totes
  - ◆ Tote spacing minimized to 20 mm
  - ◆ Tote load capacity up to 50 kg
- High throughput**
  - ◆ Horizontal and vertical movement up to 3m/s
  - ◆ Supports multi-gantry and system dispatching in single aisle
  - ◆ No interference at ground level, free travel path for tote transfer robots
  - ◆ Powered by sliding contact line, eliminating charging downtime, enabling continuous operation
- High ROI**
  - ◆ 40% reduction in overall investment of robots
  - ◆ Low requirement on floor surface with suspended rail design
  - ◆ Low mechanical failure rate, low repair and maintenance cost
- High compatibility**
  - ◆ Customizable tote grabbing mechanism with hook or clamping options
  - ◆ Supports both straight wall and tilt tote
  - ◆ Customizable racking height and associated gantry structure
  - ◆ Flexible integration with conveyor, AMR, etc.
  - ◆ Flexible workstation layout with minimal spatial restrictions
- Optimal design**
  - ◆ Unified control for tote handling and transfer robots, increasing efficiency
  - ◆ Multi-compartment tote design, picking indication for each compartment
  - ◆ Automated slotting and heat mapping, ensuring dynamic task balancing between aisles for optimal efficiency
  - ◆ Support integrated dispatching of various robot systems, achieving seamless storage and picking management of MIX Pro、standard Layer-POD and Pallet-POD