



Pallet Shuttle System + AMR

E-commerce | Food & Beverage | Electronics | Manufacturing | Automobile



Your B2B and B2C Inventory in ONE

Your ecommerce growth or retail network expansion should not be limited by warehouse locations. Imagine meeting the storage needs of both channels on the same premises. ZS Robotics pallet shuttle system with integrated picking makes Distribution Center (DC) or Regional Distribution Center (RDC) your lifesaver for consolidating multichannel fulfillment and streamlining multiple intralogistics processes in one automated system. Operated with half, even a third of your previous workforce and ready to scale whenever you need it.

- Up to 60% Energy Reduction
- Order Consolidation Across Channels
- Accelerated Order Fulfillment
- Reduced Labor Dependency
- Uptime > 99.6%
- Docking with Automated Picking System
- Seamless WMS Integration
- Supply Chain Security Guaranteed

Uninterrupted Supply Chain for Your Production

Experience material storage and processing as the SUPER link, not the WEAK link in your supply chain. Accelerated material flow and staging within your pallet AS/RS means you are able to store away more on less acres for your manufacturing needs, which is an obvious advantage in times of fluctuating demands. Your supply chain and your operation stay stable, efficient and predictable.

- Up to 40% Higher Density
- High-Speed Pallet Handling
- Automated Material Replenishment
- Real-Time Inventory
- Uptime > 99.6%
- Seamless WMS Integration
- Intelligent Task Scheduling
- Reduced Eco Footprint

ZS Robotics Has Helped One of China's Top Sports Brands Achieve Supply Chain Excellency



- Throughput: 350 pallets/hour
- Storage Locations: 17000+
- Cross-floor Lifters Deployed: 17
- Storage Height: 8.4 m (on four levels)
- Pallet Shuttles Deployed: 35
- Load: 650kg/Pallet

99.8%

System Uptime

Ahead-of-Schedule

Delivery

40%

Storage Density

Enhanced

Workforce Satisfaction

The client's east China warehouse has been witness to exponential growth of its online and offline distribution network. As a mega-velocity regional distribution center for both B2B and B2C, the logistics hub has revolutionized its operation since the installation of ZS Robotics pallet shuttle system, incorporating 17000+ pallet locations and enabling a throughput of 350 pallets per hour. On the first floor a dedicated AGV tunnel enables transferring of outbound pallets to the next stage of material handling requiring minimal human intervention, boosting worker welfare.

Pallet Shuttle System Proven By
The More Demanding Commercial and Industrial Operations

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