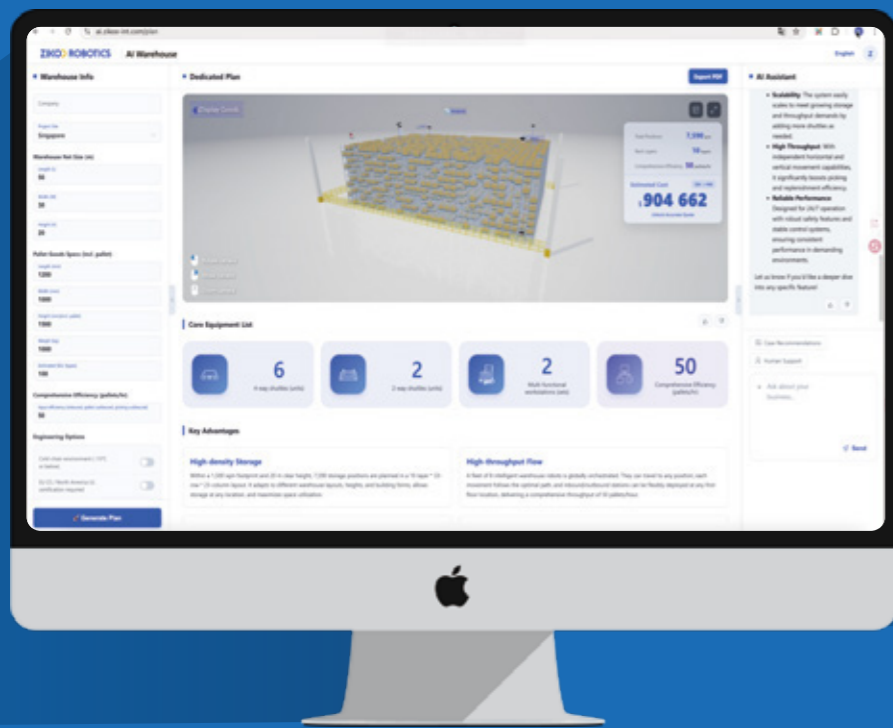




Zikoo Headquarters & Manufacturing: Suzhou, China
Zikoo Operation Center: Nanjing, China

Global Partners
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Scan the QR code to create your own smart warehouse!



AI Warehouse

Redefining Warehousing with AI and Robotics

- ✓ High Density
- ✓ High Efficiency
- ✓ High Intelligence
- ✓ Low Cost



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Pallet-Storage Robotics Pioneer

Product Positioning

AI Warehouse: Redefining Warehousing with AI and Robotics



AI Native Pallet Storage Robot

Overcoming Physical Constraints: Eliminating spatial and cargo limitations to reconfigure storage locations and aisles.

Full-Range Freedom of Movement: Six-way shuttle moves freely, enabling flexible scheduling



Warehouse AI Agent

- Smart Storage
- Smart Material Handling
- Smart Operations and Maintenance
- Smart Realign
- Smart Inventory
- Smart Decision-Making

Application scenarios

Suitable for pallet storage and picking applications

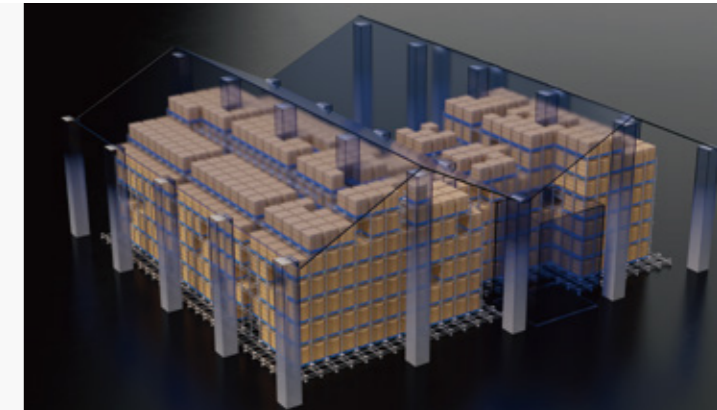
- ▶ Particularly well-suited for scenarios frequent SKU changes (such as 3PL and retail)
- ▶ Ideally suited for scenarios requiring extensive picking (retail, smart manufacturing, etc.)



Product Advantages

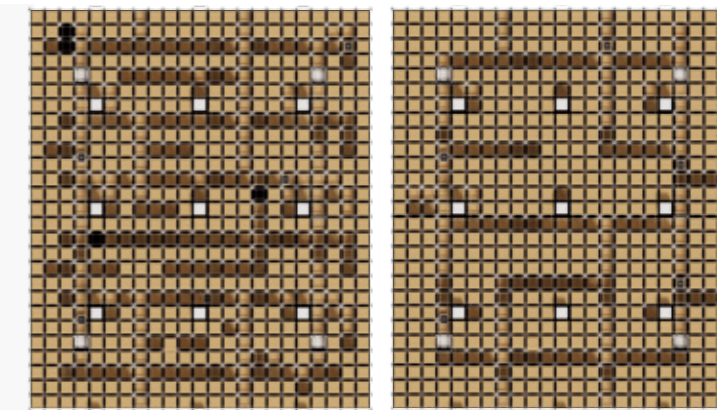
Maximize Space

- ▶ Unrestricted by space, it adapts to any warehouse layout and maximizes the use of every inch of space
- ▶ Pallets can be placed in any location, truly maximizing storage capacity



Maximize Efficiency

- ▶ Shuttle can move to any location, and every movement follows the optimal path
- ▶ Inbound station can be set up anywhere on the ground floor, with pallet outbound in just 5 seconds
- ▶ The rack rails have been redesigned, enabling a travel speed of 2.5 m/s in any aisle



Smarter Decision-Making

- ▶ Smart Storage: Automatically assigns storage locations and aisles based on changes in SKU volume and demand
- ▶ Smart Realign: Automatically prepares orders based on order waves and storage situation
- ▶ Smart Operations and Maintenance: Predictive maintenance, autonomous monitoring, and anomaly detection



Lowest Cost

- ▶ With increased density and efficiency, the cost of equipment and facilities per storage location is lower
- ▶ Standardized products have significantly reduced delivery costs
- ▶ Operating, maintenance, and renovation and expansion costs have been significantly reduced



Product Mix

The AI Warehouse is an integrated pallet storage and picking solution based on the deep integration of AI and robotics. By deeply embedding AI Agent capabilities into WMS and RMS systems, and utilizing six-way shuttle as the core smart warehouse robots, it enables fully automated operations across the entire process—from inbound and storage to picking and outbound. The solution offers core advantages such as high density, high efficiency, high intelligence, and low cost. It dynamically optimizes storage locations allocation and operational efficiency, fully meeting the needs of clients across various industries for flexible warehouse upgrades and efficient operations.



R-bot Four-Way Shuttle Product Parameters

Type	Unit	R1000M		R1000L		R1500M		R1500L	
Weight	Kg	265		265		275		275	
Rated load	Kg	1000		1000		1500		1500	
Body dimensions	mm	L960*W760*H152		L960*W960*H152		L960*W760*H178		L960*W960*H178	
Applicable pallet sizes	mm	1200*1000		1200*1200		1200*1000		1200*1200	
Navigation	-	RFID + Magnetic Induction + Encoder		RFID + Magnetic Induction + Encoder		RFID + Magnetic Induction + Encoder		RFID + Magnetic Induction + Encoder	
Positioning accuracy	mm	±1		±1		±1		±1	
Empty/full load speed	m/s	2.5/2.0		2.5/2.0		2.5/2.0		2.5/2.0	
Maximum acceleration	m/s ²	2		2		2		2	
Reversing time	s	1.5/2.5		1.5/2.5		1.5/2.5		1.5/2.5	
Lifting time	s	1.5		1.5		1.5		1.5	
Applicable temperature	°C	-15~45	-25~0	-15~45	-25~0	-15~45	-25~0	-15~45	-25~0
Battery capacity	V/Ah	48V/30Ah	48V/25Ah	48V/40Ah	48V/30Ah	48V/30Ah	48V/25Ah	48V/40Ah	48V/30Ah
Duration at full charge	h	6~8	4~6	8~10	6~8	6~8	4~6	8~10	6~8
Fully charging time	h	1.2	2	1.2	2	1.2	2	1.2	2
Type of batteries	-	Lithium-iron phosphate battery		Lithium-iron phosphate battery		Lithium-iron phosphate battery		Lithium-iron phosphate battery	
Certificate type	-	CE UL		CE UL		CE UL		CE UL	

H-bot Vertical Two-Way Shuttle Product Parameters

Type	Unit	H1300		H1800	
Body weight	Kg	500		500	
Rated load	kg	1300		1800	
Body dimensions	mm	L1472*W1471*H288		L1472*W1471*H288	
Applicable pallet	mm	1200*1000~1200		1200*1000~1200	
Applicable temperature	°C	-15~45	-25~0	-15~45	-25~0
Positioning accuracy	mm	±1		±1	
Empty/full load speed	m/s	1/0.5		1/0.5	
Acceleration	m/s ²	1/0.3		1/0.3	
Total power	KW	12		12	
Control mode	-	Servo		Servo	
Transmission mode	-	rack and pinion		rack and pinion	
Certificate type	-	CE UL		CE UL	