

INFINITI MULTIWAY ROBOT

AGV FORKLIFT



Truck Loading Unloading



Production Line Docking



Materials Storage



High-bay Storage



Park Logistics



AS/RS

Multiway offers a full range of **intralogistics** products, including unmanned forklifts, AMRs, and tow tractors, delivering high-quality solutions for tasks like truck loading/unloading, production line docking, intelligent storage and picking, and horizontal handling.



Software System

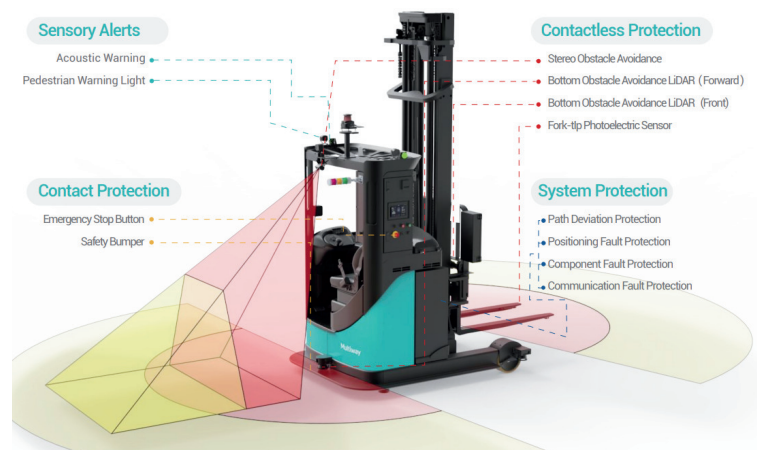
Multiway Warehouse Control System - MW RCS & WCS:

The **Multiway Robot** and **Warehouse Control Systems** enable the collaborative operation of hundreds of vehicles and integrate the management of robots, elevators, conveyors, and other devices. By connecting control panels and data centers, they quickly plan optimal routes, ensuring **efficient task completion** and overall management of all devices and information flows.

Robot Safety Protection

Point Cloud Obstacle Avoidance:

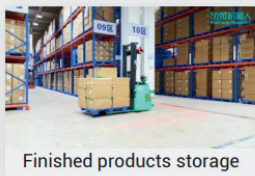
The forward simulation algorithm can measure the distance to obstacles, autonomously plan the moving speed, ensure the vehicle accelerates and decelerates smoothly **without** sudden changes in speed.



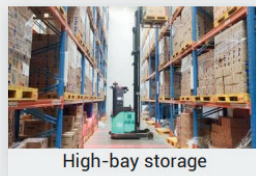
Project Reference



Heavy handling



Finished products storage



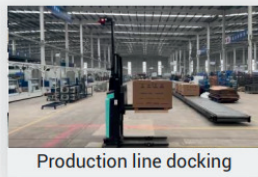
High-bay storage



Shuttle docking



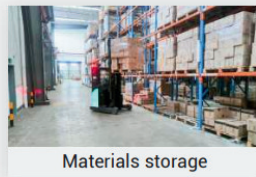
Unmanned handling



Production line docking



Cage stacking



Materials storage



Cluster scheduling



Intelligent warehouse



Production line



Cage stacking



Materials Outbound



Four-way shuttle



Park logistics

Multiway Product Specifications



	Pallet Truck	Pallet Stacker	Counterbalance Stacker	Forklift	Sideloader	Reach Truck	VNA Truck
Model	WeFront X20S	MW-SL14	MW-SE15	MW-E35	MW-O20	MW-R20	MW-K16
Capable Carrier							
Navigation	SLAM						
Communication	Wi-Fi/5G/Optical Communication						
Rated Load	2000 kg	1400 kg	1500 kg	3500 kg	2000 kg	2000 kg	1600 kg
Dimensions LxWxH	1844x844x1940 mm	1770x1085x1990 mm	2500x1145x1950 mm	3585x1580x2350 mm	2380x2110x2350 mm	2600x1500x4930mm	3455x1575x2935 mm
Turning Radius	1600 mm	1245 mm	1365 mm	2140 mm	1530 mm	1940 mm	2250 mm
Aisle Width	2450 mm	2400 mm	3150 mm	4260 mm	2740 mm	3250 mm	1750 mm
Lifting	210 mm	2500 mm	3000 mm	3000 mm	5000 mm	9500 mm	9000 mm
Service Weight	480 kg	1100 kg	2800 kg	5700 kg	2960 kg	3375 kg	6280 kg
Driving Mode	Foward, reverse, arc				Omnidirectional	Foward, reverse, arc	
Travel Speed	1.3 m/s	1.38 m/s	1.5 m/s	2.5 m/s	1.5 m/s	2 m/s	2.2 m/s
Position Accuracy	± 10 mm						
Angular Accuracy	± 1°						
Run Time	4-6h	6-8h	6-8h	8-10h	6-8h	8-10h	6-8h
Pallet Position Detection	●	●	●	-	●	●	●
Barcode/RFID Reader	○	○	○	○	○	○	○



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