

Product Selection Guide

Leading Intelligent Intralogistics Solution Provider



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Product Specifications



Pallet Truck				Pallet Stacker
Model	Multiway X1	WeFront X20	WeFront X20S	MW-SL14
Capable Carrier				
Navigation	SLAM			
Communication	Wi-Fi/ 5G	Wi-Fi/ 5G/ Optical Communication		
Rated Load	2000 kg	2000 kg	2000 kg	1400 kg
Dimensions L×W×H	1610×960×1950 mm	1745×870×1940 mm	1844×844×1940 mm	1770×1085×1990 mm
Turning Radius	1380 mm	1386 mm	1600 mm	1245 mm
Aisle Width	2350 mm	2300 mm	2450 mm	2400 mm
Lifting	210 mm	210 mm	210 mm	2500 mm
Service Weight	435 kg	460 kg	480 kg	1100 kg
Driving Mode	Forward, reverse, arc			
Travel Speed	1.3 m/s	1.3 m/s	1.3 m/s	1.38 m/s
Position Accuracy	±10 mm			
Angular Accuracy	±1°			
Run Time	6-8h	4-6h	4-6h	6-8h
Pallet Position Detection				
Barcode/Rfid Reader				



Counterbalanced Stacker / Forklift			Sideloader	
MW-SE15	MW-SE20	MW-E35	MW-O15	MW-O20
				
SLAM				
Wi-Fi/ 5G/ Optical Communication				
1500 kg	2000 kg	3500 kg	1500 kg	2000 kg
2500×1145×1950 mm	2950×1145×1950 mm	3585x1580x2350 mm	1850×1550×2350 mm	2380×2110×2350 mm
1365 mm	1800 mm	2140 mm	1094 mm	1530 mm
3150 mm	3600 mm	4260 mm	2300 mm	2740 mm
3000 mm	4500 mm	3000 mm	4500 mm	5000 mm
2800 kg	3150 kg	5700 kg	2400 kg	2960 kg
Forward, reverse, arc			Omnidirectional	Omnidirectional
1.5 m/s	1.5 m/s	2.5 m/s	1.5 m/s	1.5 m/s
±10 mm				
±1°				
6-8h	6-8h	8-10h	6-8h	6-8h
				
				



Reach Truck				VNA Truck
MW-R14	MW-R16	MW-R20	MW-R20S	MW-K16
				
SLAM				
Wi-Fi/ 5G/ Optical Communication				
1400 kg	1600 kg	2000 kg	2000 kg	1600 kg
2550×1455×2350 mm	2555×1455×2350 mm	2600×1550×4930 mm	2496x1507x2820 mm	3455×1575×2935 mm
1705 mm	1710 mm	1940 mm	1900 mm	2250 mm
3200 mm	3200 mm	3250 mm	2680 mm	1750 mm
9000 mm	9500 mm	9500 mm	6300 mm	9000 mm
3010 kg	3010 kg	3375 kg	4750 kg	6280 kg
Forward, reverse, arc				
2 m/s	2 m/s	2 m/s	2 m/s	2.2 m/s
±10 mm				
±1°				
8-10h	8-10h	8-10h	8-10h	6-8h
				
				

● Standard ○ Optional — Not Available

The dimensions can be customized to satisfy project requirement



Intelligent Four-way Shuttle



Precise and Efficient

Driving and Positioning Accuracy within $\pm 2\text{mm}$
Operational Speed reaches 2m/s

Stable Operation, Flexible Movement



Four-way operation, Cargo in-situ horizontal reversal
Suitable for a variety of complex scenes



High Density Storage

Multi-depth Dense Storage
3-4 Times More Storage Capacity than Usual

Smart Dispatching



Cloud Dispatching, Path Optimization
Real-time and efficient scheduling of multiple vehicles



Visual Protection

Through real-time perception of the environment, detecting cargo over-loading, avoiding the risk of cargo overturning
Detecting the falling of load, real-time video stream transmission terminal, manual judgment and processing in time, ensuring operation efficiency and safety

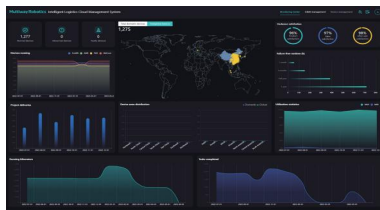
Basic Parameter	Model	Z15
	Dimensions	1300x980x136mm
	Rated Load	1500kg
	Pallet Width	1200-1300mm
	Pallet Height	1000-1300mm
	Jacking Height	42mm
	Weight	400kg
Movement Specifications	Temp. Environment	-5 C ~45 C
	Control Mode	Manual/Auto
	Driving Features	Four-way
	Jacking Method	Hydraulic Lifting (Mechanical Lifting)
	Drive Method	Hydraulic Drive (Servo Drive)
	Max Driving Speed	1.5m/s
	Positioning Accuracy	$\pm 2\text{mm}$
	Jacking Time	4s
Battery Specifications	Motion Noise Level (>1m)	$\leq 75\text{dB}$
	Battery Type (Standard)	Lithium Iron Phosphate
	Standard Capacity	48V/40Ah
	Run time	6~8h
	Charging Mode	Auto/Manual
Safety Protection	Positioning Fault Protection	●
	Component Fault Protection	●
	Anti-Collision Detection	●

● Standard The dimensions can be customized to satisfy project requirement

Software System

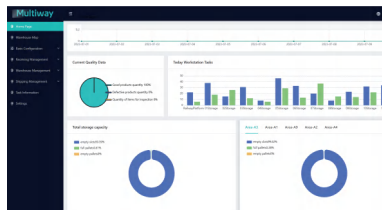
Multiway Cloud

Multiway Cloud is a scale operation platform based on cloud-edge-end convergence technology that provides diverse services through industrial mobile robots. It supports real-time monitoring and management of the equipment flow and information flow, data acquisition and feedback analysis. It is also able to customize reports according to business needs to support management decision-making.



MW WMS (Warehouse Management System)

Multiway Warehouse Management System can realize inventory data management, operation management, storage location management, warehouse equipment health monitoring and intelligent report management, create a warehouse management system with transparent process and information, break the black box status of inventory assets, and grasp inventory and cost occupancy in real time.



MW RCS (Robot Control System)

RCS dispatching system supports hundreds of different kinds of AGVs running at the same time and generates the most optimized route. It achieves overall optimal navigation route planning and complete tasks in the shortest time and guaranteed to operate at maximum efficiency.



MW WCS (Warehouse Control System)

Multiway Warehouse Control System MW WCS provides a uniform interface to a broad range of material handling equipment including AGV, AMR, automatic doors, conveyors, elevators and etc. Connect the system console and data center to manage the equipment and information flow for the entire site.



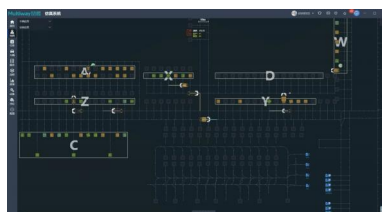
Horizon System (Vision System)

Multiway provides flexible vision solutions that enable intelligent manufacturing and intelligent logistics through machine vision and artificial intelligence technology. Our system allows management visualization with dynamic business monitoring of the entire production line and edge-computing data processing platform. It makes the factory's working environment safer and greatly improves production efficiency.



Simulation System

The simulation system combines simulation modeling with robots based on the method of model design. It supports traffic simulation of hundreds of vehicles under different application scenarios, and carries out simulation experiments of robot kinematics, dynamics and trajectory planning algorithms. It could also improve robot's theoretical analysis and design capabilities, including scheme design, product selection, offline programming and collision detection, etc., which not only shortens production delivery time, but also avoids unnecessary rework.



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