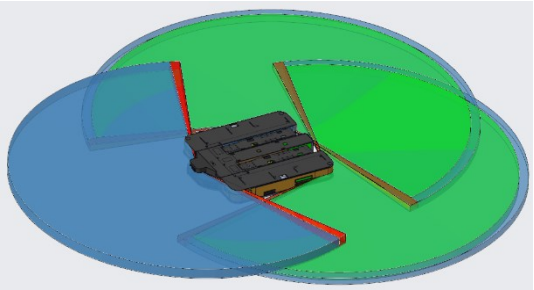
MR-QF-1000LD-A2(CE)



Features

- Combines a chassis of a latent automobile robot with forks, balancing flexibility while being able to directly carry loads.
- Compared to traditional forklifts, the vehicle is lighter, making it suitable for scenarios with low clearance.
- Compatible with various types of load carriers.
- Compared to traditional forklifts, the overall movement speed is increased by approximately 25%, supporting narrow aisle picking and placing, thereby enhancing storage capacity.
- Supports a variety of optional safety solutions, providing protection in all directions.
- Equipment status indicators include display screens, indicator lights, and speakers to show real-time status.
- Wireless network communication supports WIFI and seamless roaming, ensuring obstacle-free operation in network-covered areas.

Applicable scenarios

Handling of standard pallets, irregular pallets, and non-standard racks (cage carts, custom load carriers for special industries), etc.

Technical Parameters

Model			MR-QF-1000LD-A2(CE)
Basic Parameters	Dimensions	L1*b1*h1	1430.5*1200*246.5mm
	Weight		335kg
	Navigation		SLAM
	Rated load	Q	1000kg
	Rotation diameter	Wa	1640mm
	Height of charging port	hc	93mm
	Fork outer width	b2	540mm
	Fork inner width	b3	200mm
	Min. height of the fork upper surface	h3	90mm
	Max. height of the fork upper surface	h2	330mm
	Max. fork reaching distance	L2	1450mm
	Human machine interaction		Touch screen and buttons

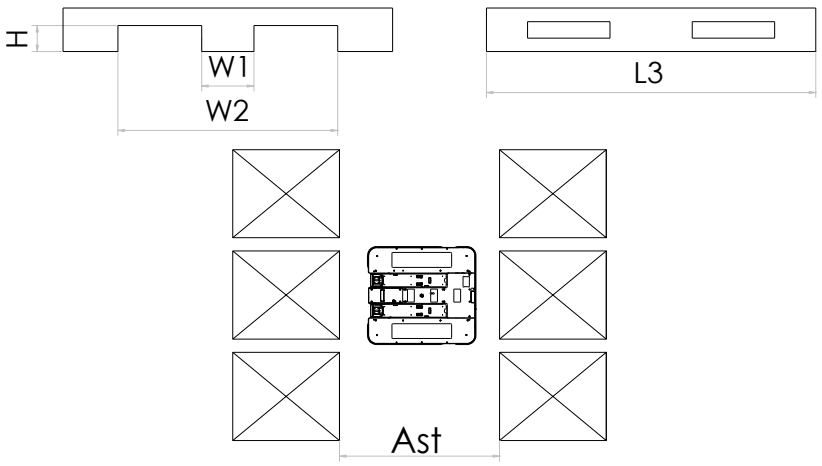
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Motion Performance	Drive method	Differential drive
	Rated speed (empty)	1.8m/s
	Rated speed (full load)	1.5m/s
	Positioning accuracy	±10mm/±1°
Battery Performance	Battery type	LiFePO4, Lithium iron phosphate
	Rated voltage	48V
	Battery capacity	28Ah
	Charge cycle	1500 times (for fully charging and discharging)
	Endurance	8h
	Charge time	1.5h (for fully charging)
	Charge method	Automatic and manual charging
Safety Protection	Laser obstacle avoidance	Front safety laser in the middle + rear laser sensors on both sides: 360° obstacle detection
	Bumper strip	Front and rear bumper strips
	Emergency stop button	Supports
	Sound and light alarm	Supports
	Pallet positioning detection	Supports
	Pallet detection	Supports
	Fork collision detection	Supports
	Laser alarm	Optional
	Low obstacle detection	Supports

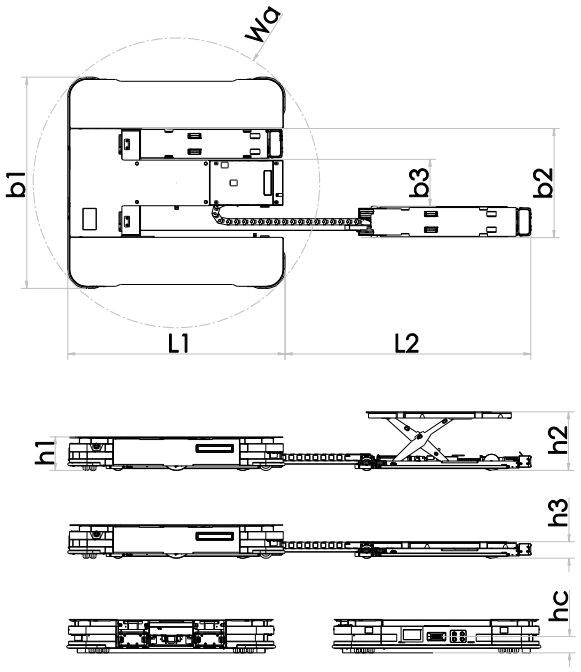
Pallet Dimensions

Parameters		Ranges of values
Compatible pallet inner width	W1	≤150mm
Compatible pallet outer width	W2	600~1000mm
Compatible pallet truck entrance opening height	H	100~115mm
Compatible pallet length	L3	600~1500mm
Required aisle width	Ast	≥1800mm

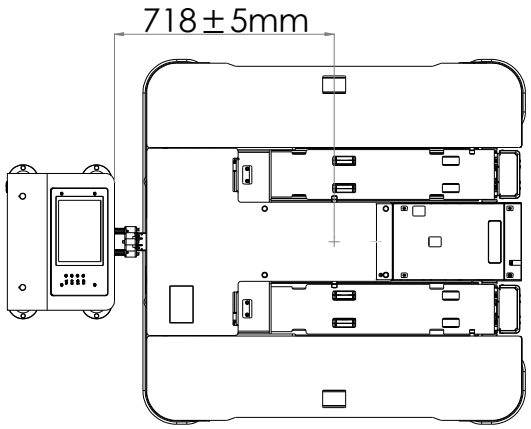
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Dimensions



Charger position



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