Material Handling to Material Moving

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EP'S Smart Intralogistics Solution Automated X-Movers



X-Mover
Autonomous Forklift

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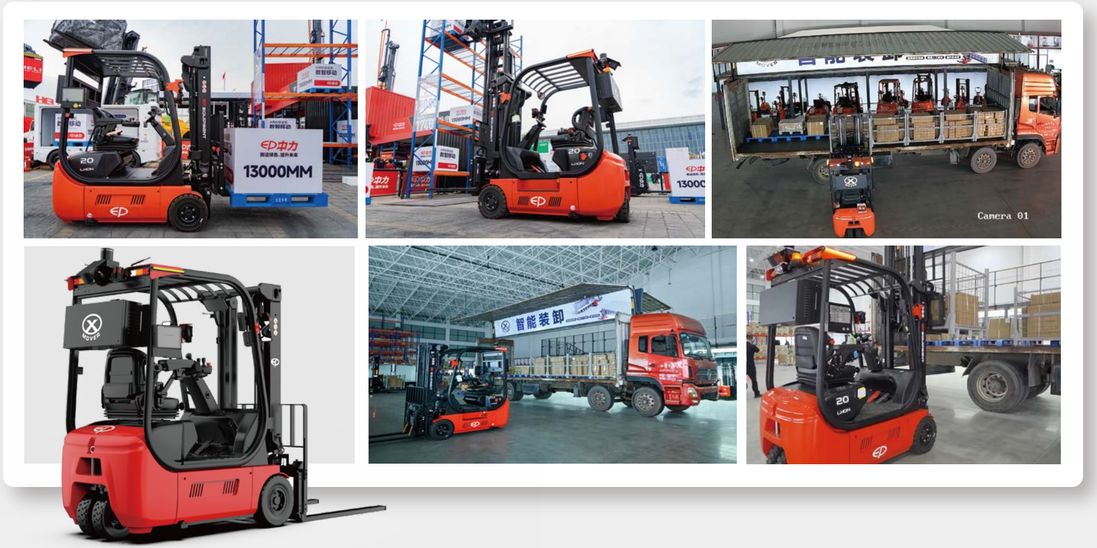
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01 Introduction

The autonomous forklift is equipped with an advanced autonomous driving system that enables fully intelligent operations. Utilizing LiDAR, visual recognition, and high-precision positioning technologies, it achieves automated navigation and precise positioning without human intervention, making it adaptable to complex working environments. Capable of handling indoor/outdoor transfers, smart loading/unloading, and multi-level stacking operations. Widely applied in factory workshops, logistics warehouses, ports, and terminals.



01 Introduction





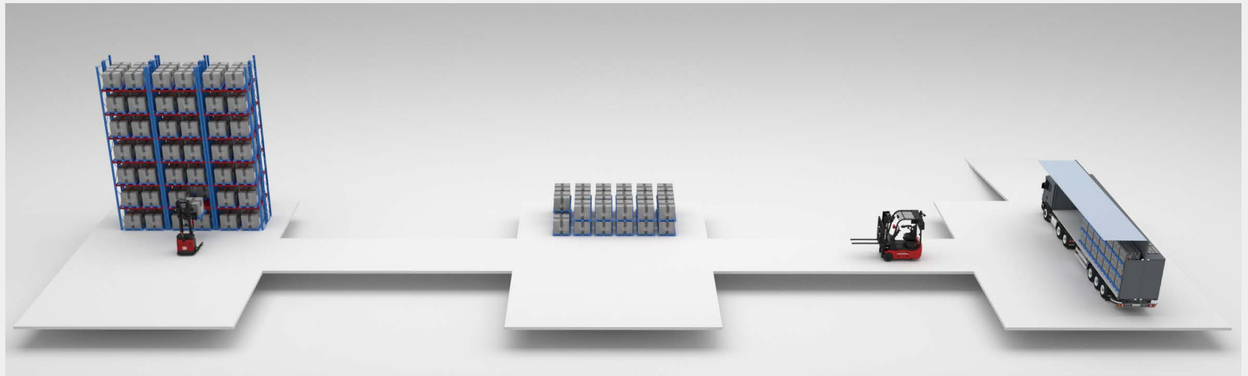




02 Characteristics

- 3D laser SLAM natural navigation which can build map, avoid obstacles and plan path independently without site modification
- Supports Wi-Fi/5G wireless communication, facilitates multi-machine collaborative operation and cloud remote monitoring
- Connect with factory WMS, MES, ERP, SRM, QMS and digital twin system to realize the whole process digitization

03 Application Scenarios



Indoor and outdoor transfer



Autonomous loading and unloading

Stacking

04 Parameter

				XFL201 	XFL1001 
Basic Parameters	1.1	Manufacturer		EP	EP
	1.2	Model		XFL201	XFL1001
	1.3	Drive		Electric	Electric
	1.4	Operator type		ride-on	ride-on
	1.5	Load capacity	kg	2000	10000
	1.6	Service weight	kg	3717	13900
	1.7	Navigation		3D Slam	3D Slam
	1.8	Communication		Wi-Fi/5G	Wi-Fi/5G
	1.9	Positioning accuracy	mm	±10	±20
Battery Paramater	2.1	Battery voltage/nominal capacity	V/Ah	80/280	96/920
	2.2	Battery type		Li-ion battery	Li-ion battery
	2.3	Battery weight	kg	173	860
	2.4	Usage time	h	8	8
Size	3.1	Dimensions (l1/b1/h1)	mm	3226/1076/2306	5493/2200/3140
	3.2	Load centre distance	mm	500	600
	3.3	Load length	mm	434	828
	3.4	Wheelbases	mm	1470	2500
	3.5	Fork vertical length	mm	2100	4073
	3.6	Fork dimensions (s/e/l)	mm	40/100/1070	80/160/1420
	3.7	Outer width of forks	mm	-	-
	3.8	Height with forks lowered	mm	2145	2850
	3.9	Lifting height	mm	3300	60
Other Parameters	4.1	Travel speed, laden/unladen	m/s	1.5/2.2	3.6/4.2
	4.2	Max. gradeability, laden/unladen	%	20/25	13/16
	4.3	cross-ditch ability	mm	-	
	4.4	turning radius	mm	1743	3605
Channel Requirements	5.1	Straight forward/backward (with standard shelves) width	mm	1400	2400
	5.2	Right-angle turn (with standard shelves) width	mm	2137	6550
	5.3	Width of unilateral pick-up and unloading	mm	3610	-
Safety	6.1	Emergency stop button		two sides	Front + two sides
	6.2	Voice and light		Voice + light	Voice + light
	6.3	Front protection		bottom 270° Lidar	bottom 270° Lidar
	6.4	Rear protection		Sonication	Sonication
	6.5	Physical bumper		Front of the bottom/side of the bottom	Front + back
	6.6	Pallet in-place detection switch		rear fork root	rear fork root
Option List	7.1	Battery		●80V/280Ah	●96V/920Ah
	7.2	Charger		○80V/100A External charger ○80V/150A External charger	○10kw Built-in charger ○20kw External charger
	7.3	Automatic charging pile		○80V/100A Automatic charging pile	●96V/200A Automatic charging pile
	7.4	Warning light		● Blue light ● Turn signal ● Area warning light ○Tri-color light	○ Blue light ● Turn signal ● Area warning light ○ Tri-color light
	7.5	Front protection		Lidar+Camera	Lidar
	7.6	Rear protection		2D Lidar	Lidar
	7.7	Interaction method		Car display screen	Car display screen
	7.8	Docking with other devices		○Elevator ○Access door ○Call box	○Elevator ○Access door ○Call box

The above content is a product introduction. As shown in the charts, it may contain non-standard configurations. If there are improvements in appearance, technical parameters, or configurations, we will try to update the information in a timely manner. However, in some cases, this information may still differ from the latest situation. Please contact your sales manager for confirmation before placing an order.

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