



iMOW's Smart Intralogistics Solution Automated X-Movers

The 4th Generation of Material Handling

Material Handling to Material Moving



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01-Latent AGV Range

Mankind's Forth Generation
Handling Equipment

Jacking AMR

XCD031



Features

Narrow channel material handling

The vehicle body is small and can rotate on the spot, making it suitable for narrow channel material handling in workshops

Point-to-point handing

Suitable for multi-point to multi-point long-distance material handling tasks

Adaptable to various equipment interfaces

Suitable for scenarios where multiple automated equipment interfaces are required in production workshops

Name	International unit	Performance Parameters
Type	/	XCD031
Navigation	/	QR codes/SLAM sensor
Load capacity	kg	300
Communication	/	Wireless WIFI
Dimensions	mm	780/550/250
Service weight	kg	150
Lifting height	mm	60
Turning radius	mm	410
Travel speed, laden/unladen	m/s	1.8/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5/5
Battery voltage/nominal capacity	V/Ah	48/20

01-Latent AGV Range

Mankind's Forth Generation
Handling Equipment

Backpack carrying AMR

XC1051



Features

Narrow passage material handling

Small body size, capable of in-place rotation, suitable for material handling in narrow passages of workshops

Lightweight warehouse sorting and batching

Suitable for multi-point batching of lightweight materials from warehouses to production lines after sorting in factories

Name	International unit	Performance Parameters
Type	/	XCD1061
Navigation	/	SLAM sensor/reflector
Load capacity	kg	500
Dimensions	mm	1045/700/1400
Service weight	kg	285
Standard shelf dimensions	mm	680/620/810
Travel speed, laden/unladen	m/s	1/1.5
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5/10
Battery voltage/nominal capacity	V/Ah	48/30

01-Latent AGV Range

Mankind's Forth Generation
Handling Equipment

Jacking AMR

XCD061



Features

Narrow channel material handling

The vehicle body is small and can rotate on the spot, making it suitable for narrow channel material handling in workshops

Point-to-point handing

Suitable for multi-point to multi-point long-distance material handling tasks

Adaptable to various equipment interfaces

Suitable for scenarios where multiple automated equipment interfaces are required in production workshops

Name	International unit	Performance Parameters
Type	/	XCD061
Navigation	/	QR codes/SLAM sensor
Load capacity	kg	600
Communication	/	Wireless WIFI
Dimensions	mm	990/650/250
Service weight	kg	200
Lifting weight	mm	60
Turning radius	mm	495
Travel speed, laden/unladen	m/s	1.5/2
positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5/5
Battery voltage/nominal capacity	V/Ah	48/30

01-Latent AGV Range

Mankind's Forth Generation
Handling Equipment

Follow AMR

XC1061



Features

Manual and automatic follow-up function

Name	International unit	Performance Parameters
Type	/	XCD061
Navigation	/	SLAM sensor/QR codes
Load capacity	kg	600
Lifting height	mm	60
Dimensions	mm	990/650/1400
Service weight	kg	230
Outer width of forks	mm	-
Travel speed, laden/unladen	m/s	1.8/2
positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5/5
Battery voltage/nominal capacity	V/Ah	48/30

01-Latent AGV Range

Mankind's Forth Generation
Handling Equipment

Jacking AMR

XCD101/151



Features

Name	International unit	Performance Parameters	
Type	/	XCD101	XCD151
Navigation	/	QR codes/SLAM sensor	
Load capacity	kg	1000	1500
Lifting height	mm	Wireless WIFI	Wireless WIFI
Dimensions	mm	1185/815/250	1185/815/250
Service weight	kg	235	250
Outer width of forks	mm	60	60
Travel speed, laden/unladen	m/s	600	600
positioning accuracy	mm	1.8/2	1.2/1.5
Max. gradeability, laden/unladen	%	±10	±10
Battery voltage/nominal capacity	V/Ah	48/40	48/40

Narrow channel material handling

The vehicle body is small and can rotate on the spot, making it suitable for narrow channel material handling in workshops

Point-to-point handing

Suitable for multi-point to multi-point long-distance material handling tasks

Adaptable to various equipment interf aces

Suitable for scenarios where multiple automated equipment interfaces are required in production workshops

01-Latent AGV Range

Mankind's Forth Generation
Handling Equipment

Omni-directional Jacking AMR

XCD301



Features

Name	International unit	Performance Parameters
Type	/	XCD301
Navigation	/	QR codes/SLAM sensor
Load capacity	kg	3000
Lifting height	mm	110
Dimensions	mm	2000/805/380
Service weight	kg	620
Outer width of forks	mm	-
Travel speed, laden/unladen	m/s	0.8/1
positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5
Battery voltage/nominal capacity	V/Ah	48/60

Indoor Heavy-load Omnidirectional Lifting with Dual Steering Wheels

01-Latent AGV Range

Mankind's Forth Generation
Handling Equipment

Heavyload Jacking AMR

XCD501



Features

Name	International unit	Performance Parameters
Type	/	XCD501
Navigation	/	QR codes/SLAM sensor
Load capacity	kg	5000
Lifting height	mm	80
Dimensions	mm	1300/1000/450
Service weight	kg	800
Outer width of forks	mm	-
Travel speed, laden/unladen	m/s	0.8/1
positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5
Battery voltage/nominal capacity	V/Ah	48/100

Heavy-load In-place Rotation in Narrow Passages

02-Semi-Auto AMR

Mankind's Forth Generation
Handling Equipment

Semi-Auto AMR

XPG151



Features

Name	International unit	Performance Parameters
Type	/	XPG151
Navigation	/	Visual navigation
Load capacity	kg	1500
Lifting height	mm	95
Dimensions	mm	1703/842/1470
Service weight	kg	325
Outer width of forks	mm	540/600/685
Travel speed, laden/unladen	m/s	1/1.5
positioning accuracy	mm	±20
Max. gradeability, laden/unladen	%	5/10
Battery voltage/nominal capacity	V/Ah	24/60

Multiple protections for super safety

Laser detection for automatic obstacle avoidance, physical barrier for collision prevention, manual power cut-off for emergency stop and avoidance

Super simple mobile phone settings

Start with Bluetooth, freely set and change the running route, and freely switch tasks

Dual functions for one vehicle, multi-functional

No professional training required. It can be either a robot or an electric forklift

No need for installation, very convenient

No need for a system, no need to set up a Wi-Fi system. It can be used immediately upon purchase and add as needed

Super stable visual navigation

Zhongli's independently developed visual navigation technology can adapt to any changes in the surrounding environment and exhibits extremely strong anti-interference capabilities.

02-Semi-Auto AMR

Mankind's Forth Generation Handling Equipment

Semi-Auto AMR

EXP15



Name	International unit	Performance Parameters
Type	/	EXP15
Load Capacity	kg	1500
Navigation	/	Visual navigation/reflector
Communication	/	Internal communication
Positioning accuracy	mm	±20
Battery voltage/nominal capacity	V/Ah	24/60
Dimensions	mm	1620/636/1420
Outer width of forks	mm	540/600/685
Lifting height	mm	90
Travel speed, laden/unladen	m/s	1.1/1.25
Max. gradeability, laden/unladen	%	5/10

Features

- Operational convenience**
Voice teaching, easy interaction
- Simple deployment**
No need for network coverage; built-in internal communication method
- Precise positioning**
Reflective board visual navigation, reliable and stable
- Multiple safety protections**
7-layer protection to safeguard both people and vehicles' safety

02-Semi-Auto AMR

Mankind's Forth Generation Handling Equipment

Semi-Auto AMR

RPG201



Name	International unit	Performance Parameters
Type	/	RPG201
Navigation	/	Visual navigation
Load capacity	kg	2000
Lifting height	mm	110
Dimensions	mm	1905/830/1690
Service weight	kg	680
Outer width of forks	mm	540/600/685
Travel speed, laden/unladen	m/s	1.5/2
positioning accuracy	mm	±20
Max. gradeability, laden/unladen	%	8/16
Battery voltage/nominal capacity	V/Ah	24/150

Features

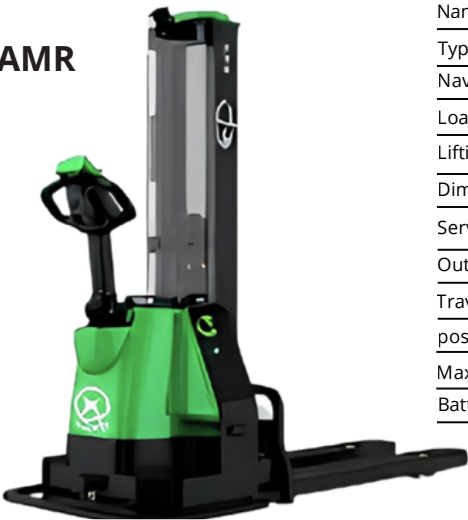
- Inter-departmental**
It can perform cross-departmental transportation indoors and outdoors
- Inter-floor handling**
The vehicle is small in size and has a light self-weight, allowing it to be lifted by elevators for cross-floor operations
- Long distance**
Suitable for long-distance transportation in large scenarios

02-Semi-Auto AMR

Mankind's Forth Generation Handling Equipment

Semi-Auto AMR

XSG121



Features

- Operating method**
Easy to operate, ready for use at any time
- Stable location**
Ceiling location, reliable and stable
- APP-route learning**
APP-route learning is simple and fast: Extensively applied
- Widely applied**
Precise stacking, widely applied

Name	International unit	Performance Parameters
Type	/	XSG121
Navigation	/	Visual navigation
Load capacity	kg	1200
Lifting height	mm	1000
Dimensions	mm	1945/842/1736
Service weight	kg	516
Outer width of forks	mm	540/600
Travel speed, laden/unladen	m/s	1/1.5
positioning accuracy	mm	±20
Max. gradeability, laden/unladen	%	4/8
Battery voltage/nominal capacity	V/Ah	24/60

03-Ground handing

Mankind's Forth Generation Handling Equipment

Hidden forklift AMR

XCF101



Features

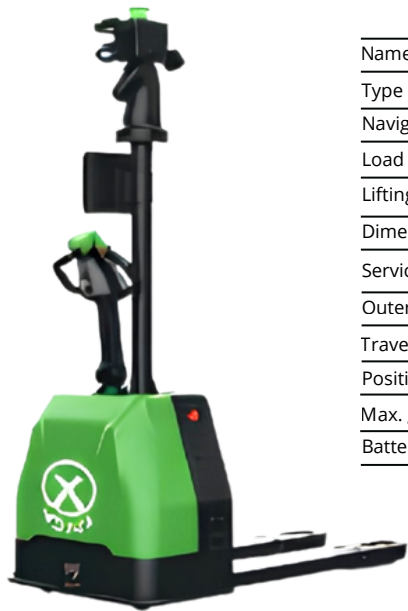
- Intensive warehouse material transfer

Name	International unit	Performance Parameters
Type	/	XCF101
Navigation	/	QR codes (Optional SLAM sensor)
Load capacity	kg	1000
Lifting height	mm	330
Dimensions	mm	1250/1180/186
Service weight	kg	360
Outer width of forks	mm	620
Travel speed, laden/unladen	m/s	1.5/1.8
positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	-
Battery voltage/nominal capacity	V/Ah	48/40

03-Ground handling

Point-point handling AMR

XPC151



Features

Point-to-point handling

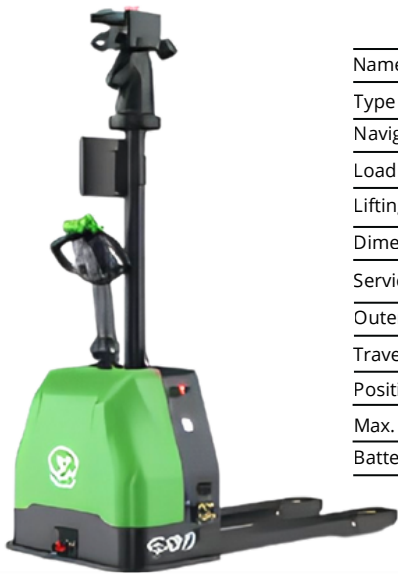
Mankind's Forth Generation Handling Equipment

Name	International unit	Performance Parameters
Type	/	XPC151
Navigation	/	SLAM sensor/reflector
Load capacity	kg	1500
Lifting height	mm	110
Dimensions	mm	1645/824/2120
Service weight	kg	350
Outer width of forks	mm	540/600/685
Travel speed, laden/unladen	m/s	1/1.5
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5/10
Battery voltage/nominal capacity	V/Ah	24/100

03-Ground handling

Thin back stacker AMR

XP1152



Features

Unlimited battery use

Automatic charging enhances battery work time

Cross-floor transportation

The vehicle is small in size and light in weight, enabling cross-floor operations via elevators

Large-scale transportation

Suitable for large-scale and long-distance transportation

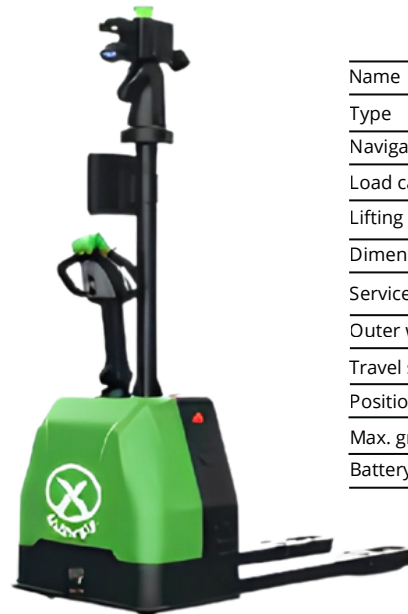
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Name	International unit	Performance Parameters
Type	/	XP1152
Navigation	/	SLAM sensor/reflector
Load capacity	kg	1500
Lifting height	mm	110
Dimensions	mm	1610/824/2120
Service weight	kg	350
Outer width of forks	mm	540/600/685
Travel speed, laden/unladen	m/s	1/1.5
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5/10
Battery voltage/nominal capacity	V/Ah	24/100

03-Ground handling

Point-point handling AMR

XPC152



Features

Point-to-point handling

Mankind's Forth Generation Handling Equipment

Name	International unit	Performance Parameters
Type	/	XPC152
Navigation	/	SLAM sensor/reflector
Load capacity	kg	1500
Lifting height	mm	110
Dimensions	mm	1645/824/2120
Service weight	kg	350
Outer width of forks	mm	540/600/685
Travel speed, laden/unladen	m/s	1/1.5
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5/10
Battery voltage/nominal capacity	V/Ah	24/100

03-Ground handling

Thin back handling AMR

XP1201



Features

Narrow-channel heavy-load long-distance transfer

Mankind's Forth Generation Handling Equipment

Name	International unit	Performance Parameters
Type	/	XP1201
Navigation	/	SLAM sensor/reflector
Load capacity	kg	2000
Lifting height	mm	130
Dimensions	mm	1638/1005/2080
Service weight	kg	706
Outer width of forks	mm	560/685
Travel speed, laden/unladen	m/s	2/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5/5
Battery voltage/nominal capacity	V/Ah	24/205

03-Ground handing

High speed heavy-duty handling AMR

XPL201



Features



Name	International unit	Performance Parameters
Type	/	XPL201
Navigation	/	SLAM sensor/reflector
Load capacity	kg	2000
Lifting height	mm	110
Dimensions	mm	1918/848/2179
Service weight	kg	625
Outer width of forks	mm	540/600/685
Travel speed, laden/unladen	m/s	1.5/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	8/16
Battery voltage/nominal capacity	V/Ah	24/205

Long-distance transportation

Suitable for long-distance and large-scale transportation

Operating condition

Suitable for high-speed and heavy-load conditions

High material density

Suitable for material-intensive handling and storage

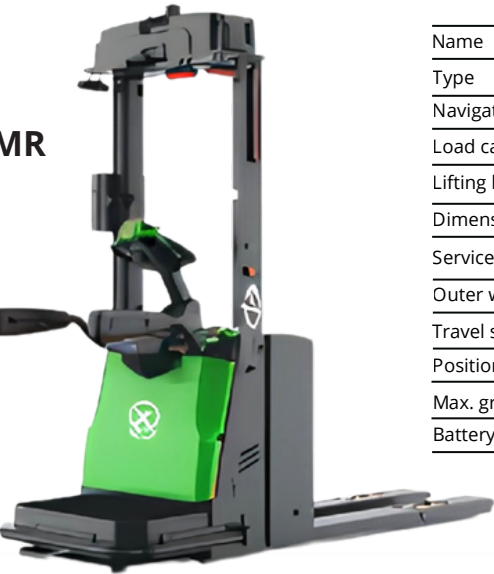
03-Ground handing

High speed handling AMR

XPL201P



Features



Name	International unit	Performance Parameters
Type	/	XPL201P
Navigation	/	SLAM sensor/reflector
Load capacity	kg	2000
Lifting height	mm	110
Dimensions	mm	2385/830/2175
Service weight	kg	625
Outer width of forks	mm	540/600/685
Travel speed, laden/unladen	m/s	1.5/3
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	8/16
Battery voltage/nominal capacity	V/Ah	24/150

Fast transfer speed

Suitable for goods-intensive handling with high transfer speed requirements

Wide range of applications

Suitable for large-scale, long-distance, and heavy-load conditions

Mankind's Forth Generation Handling Equipment

03-Ground handing

Thin back handling AMR

XPL201T

Features



Name	International unit	Performance Parameters
Type	/	XPL201T
Navigation	/	SLAM sensor/reflector
Load capacity	kg	2000
Lifting height	mm	110
Dimensions	mm	1940/845/2170
Service weight	kg	625
Outer width of forks	mm	540/600/685
Travel speed, laden/unladen	m/s	1.5/3
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	8/16
Battery voltage/nominal capacity	V/Ah	24/150

Compact vehicle body

Shorter vehicle body reduces turning radius

Fast transfer speed

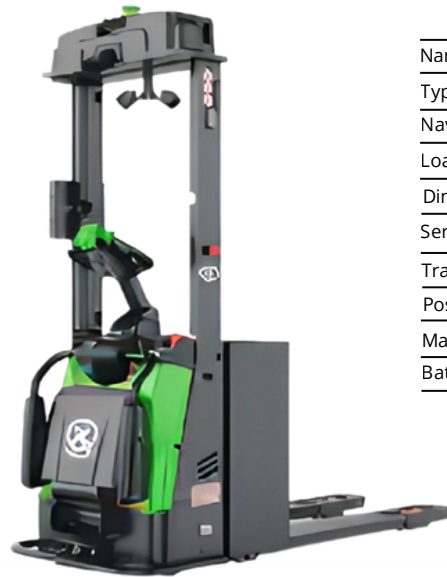
Suitable for goods-intensive handling with high transfer speed requirements

03-Ground handing

High speed heavy-duty handling AMR

XPL301

Features



Name	International unit	Performance Parameters
Type	/	XPL301
Navigation	/	SLAM sensor/reflector
Load capacity	kg	3000
Dimensions	mm	2102/848/2179
Service weight	kg	685
Travel speed, laden/unladen	m/s	1.5/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	8/16
Battery voltage/nominal capacity	V/Ah	24/205

Long-distance transportation

Suitable for long-distance large-scale transportation in a wide area

Operating condition

Suitable for high-speed and heavy-load conditions

High material density

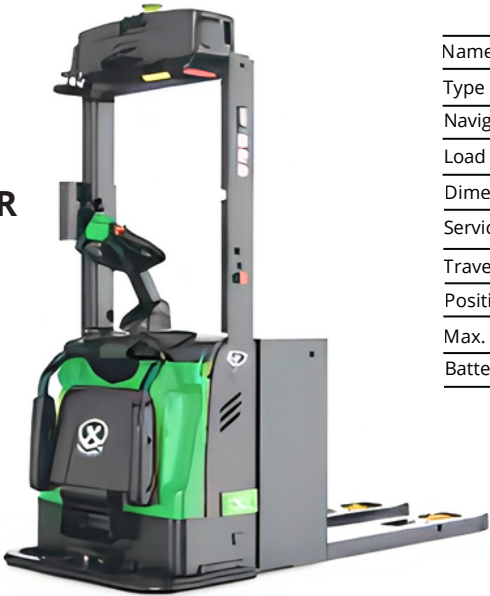
Suitable for material-intensive handling and storage

Mankind's Forth Generation Handling Equipment

03-Ground handing

Mankind's Forth Generation Handling Equipment

High speed heavy-duty handling AMR
XPL501



Features

Name	International unit	Performance Parameters
Type	/	XPL501
Navigation	/	SLAM sensor/reflector
Load capacity	kg	5000
Dimensions	mm	2183/968/2177
Service weight	kg	735
Travel speed, laden/unladen	m/s	1.5/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	8/16
Battery voltage/nominal capacity	V/Ah	24/208

Long-distance transportation

Suitable for long-distance and large-scale transportation

Operating condition

Suitable for high-speed and heavy-load conditions

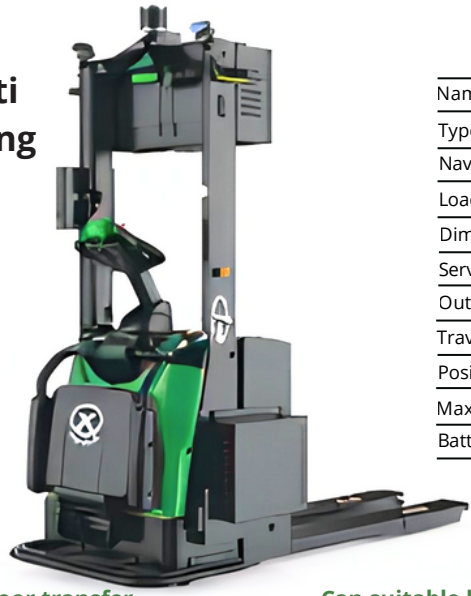
High material density

Suitable for material-intensive handling and storage

03-Ground handing

Mankind's Forth Generation Handling Equipment

Indoor and outdoor multi scene handling AMR
XP3201



Features

Name	International unit	Performance Parameters
Type	/	XP3201
Navigation	/	3D SLAM sensor
Load capacity	kg	2000
Dimensions	mm	2045/848/2105
Service weight	kg	680
Outer width of forks	mm	540/600/685
Travel speed, laden/unladen	m/s	1.5/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	8/16
Battery voltage/nominal capacity	V/Ah	24/150

Indoor and outdoor transfer

Outdoor transfer regardless of weather conditions

Can suitable long time work

Automatic charging enhances battery work time

Long-distance transportation

Suitable for long-distance large-scale transportation in a wide area

04-Side fork stacking AMR

Mankind's Forth Generation Handling Equipment

Single side fork stacking
XSF101



Features

Name	International unit	Performance Parameters
Type	/	XSF101
Navigation	/	QR Codes
Load capacity	kg	1000
Lifting height	mm	3000
Dimensions	mm	1500/1500/2170
Channel widht	/	1650
Service weight	kg	-
Outer width of forks	mm	630
Travel speed, laden/unladen	m/s	1.2/1.5
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	-
Battery voltage/nominal capacity	V/Ah	48/100

Narrow aisle low-level shelf storage

04-Side fork stacking AMR

Mankind's Forth Generation Handling Equipment

Double-sided counterbalanced AMR
XNA101



Features

Name	International unit	Performance Parameters
Type	/	XNA101
Navigation	/	3D SLAM sensor
Load capacity	kg	1000
Lifting height	mm	4500
Dimensions	mm	2385/1070/2132
Channel widht	/	1740
Service weight	kg	-
Outer width of forks	mm	685
Travel speed, laden/unladen	m/s	1/1
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	-
Battery voltage/nominal capacity	V/Ah	48/205

Narrow aisle low-level shelf storage

04-Side fork stacking AMR

Mankind's Forth Generation Handling Equipment

Double-sided counterbalanced AMR

XNA121

Features



Name	International unit	Performance Parameters
Type	/	XNA121
Navigation	/	3D SLAM sensor + QR code fusion positioning
Load capacity	kg	1200
Lifting height	mm	8500
Dimensions	mm	3145/1540/4465
Channel widht	/	1740
Service weight	kg	5600
Outer width of forks	mm	685
Travel speed, laden/unladen	m/s	2.8/2.8
Positioning accuracy	mm	±10
Max. gradebility, laden/unladen	%	-
Battery voltage/nominal capacity	V/Ah	48/560

Narrow alley high-level shelf stacking

04-Side fork stacking AMR

Mankind's Forth Generation Handling Equipment

Single-sided counterbalanced AMR

XNA151

Features



Name	International unit	Performance Parameters
Type	/	XNA151
Navigation	/	3D SLAM sensor + QR code fusion positioning
Load capacity	kg	1500
Lifting height	mm	13000
Dimensions	mm	3671/1656/6200
Channel widht	/	1740
Service weight	kg	5600
Outer width of forks	mm	685
Travel speed, laden/unladen	m/s	2.8/2.8
Positioning accuracy	mm	±10
Max. gradebility, laden/unladen	%	-
Battery voltage/nominal capacity	V/Ah	48/560

Narrow alley high-level shelf stacking

05-Stacking AMR

Mankind's Forth Generation Handling Equipment

Thin-back stacker AMR

XS1152



Features



Name	International unit	Performance Parameters
Type	/	XS1152
Navigation	/	SLAM sensor/reflector
Load capacity	kg	1500
Lifting height	mm	1600-2500
Dimensions	mm	1700/1004/2180
Channel widht	/	2100
Service weight	kg	960
Outer width of forks	mm	600/685
Travel speed, laden/unladen	m/s	1.2/1.5
Positioning accuracy	mm	±10
Max. gradebility, laden/unladen	%	3/5
Battery voltage/nominal capacity	V/Ah	24V/205Ah

Suitable for narrow aisles

Stacking robot suitable for narrow-aisle stacking scenarios with multi-layer deep stacking function

05-Stacking AMR

Mankind's Forth Generation Handling Equipment

Heavyload stacker robot

XS2201



Features



Name	International unit	Performance Parameters
Type	/	XS2201
Navigation	/	SLAM sensor/reflector
Load capacity	kg	2000
Lifting height	mm	3000
Dimensions	mm	2230/1140/2180
Channel widht	/	2604
Service weight	kg	1360
Outer width of forks	mm	570/600/685
Travel speed, laden/unladen	m/s	1/1.5
Positioning accuracy	mm	±10
Max. gradebility, laden/unladen	%	6/10
Battery voltage/nominal capacity	V/Ah	24/205

Heavy load

2 tons is suitable for heavy-load conditions

Automation level

It can be connected to various automated equipment and systems

05-Stacking AMR

Mankind's Forth Generation Handling Equipment

Counterbalanced AMR

XSC081/121

Features



Name	International unit	Performance Parameters	
Type	/	XSC081	XSC121
Navigation	/	SLAM sensor	SLAM sensor
Load capacity	kg	800	1200
Lifting height	mm	2340	2340
Dimensions	mm	1301/900/2190	2420/900/2190
Channel widht	/	2674	2791
Service weight	kg	1900	2340
Outer width of forks	mm	900	900
Travel speed, laden/unladen	m/s	1.4/1.5	1.4/1.5
Positioning accuracy	mm	±20	±20
Max. gradeability, laden/unladen	%	5/6	5/6
Battery voltage/nominal capacity	V/Ah	24/205	24/205

- Operating channel narrow**

The direct turning channel width only requires 2.9m
- Deployment convenient**

Laser SLAM navigation method, can be put into use without modifying the site
- Operation convenient**

It is equipped with a manual operation mode, allowing for easy switching between operation modes

05-Stacking AMR

Mankind's Forth Generation Handling Equipment

Counterbalanced AMR

XSC151/201

Features



Name	International unit	Performance Parameters	
Type	/	XSC151	XSC201
Navigation	/	3D SLAM sensor	3D SLAM sensor
Load capacity	kg	1500	2000
Lifting height	mm	2385/1070/2132	2579/1050/2190
Dimensions	mm	2847	3022
Channel widht	/	3450	2791
Service weight	kg	2100	2340
Outer width of forks	mm	1.8/2.2	900
Travel speed, laden/unladen	m/s	±10	±20
Positioning accuracy	mm	1200	±20
Max. gradeability, laden/unladen	%	5/6	1.8/2
Battery voltage/nominal capacity	V/Ah	5/8	5/8

- The channel width is narrow.**

The vehicle body is small, and the width of the right-angle stacking passage only requires 3.1 meters
- High protective performance**

Multiple protective measures ensure the safety of operations
- Strong adaptability**

Compatible with various carriers such as square-shaped pallets and cross-shapedpallets

05-Stacking AMR

Mankind's Forth Generation Handling Equipment

Counterbalanced AMR

XFL201

Features



Name	International unit	Performance Parameters
Type	/	XPC151
Navigation	/	3D SLAM sensor
Load capacity	kg	2000
Lifting height	mm	3300
Dimensions	mm	3180/1100/2310
Channel width	mm	3348
Service weight	kg	3425
Outer width of forks	mm	1000
Travel speed, laden/unladen	m/s	4.4/4.7
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	20/25
Battery voltage/nominal capacity	V/Ah	80/280

- Truck loading and unloading of outdoor transfer

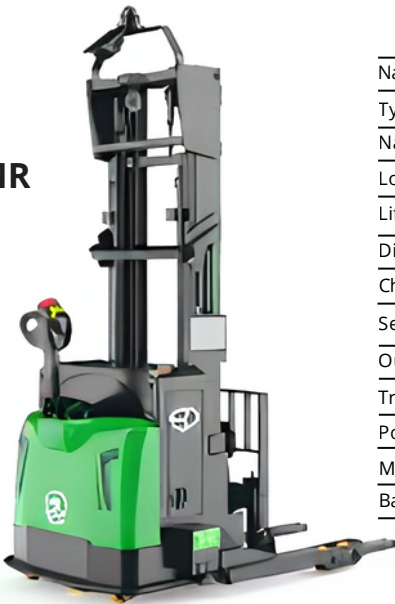
06-Reach AMR

Mankind's Forth Generation Handling Equipment

Indoor reach AMR

XQE122

Features



Name	International unit	Performance Parameters
Type	/	XQE122
Navigation	/	3D SLAM sensor
Load capacity	kg	1200
Lifting height	mm	3200
Dimensions	mm	2361/1200/2359
Channel width	mm	2880
Service weight	kg	2250
Outer width of forks	mm	350-780
Travel speed, laden/unladen	m/s	1/1
Positioning accuracy	mm	±30
Max. gradeability, laden/unladen	%	6/10
Battery voltage/nominal capacity	V/Ah	48/150

- Distributed warehousing**

Shelves on pallets, stacking of material cages
- Adaptation to smaller channels**

Shorter vehicle body, capable of performing handling and stacking operations in smaller channels

06-Reach AMR

Mankind's Forth Generation
Handling Equipment

Indoor reach AMR

XQE151



Features 

Name	International unit	Performance Parameters
Type	/	XQE151
Navigation	/	3D SLAM sensor/QR Code
Load capacity	kg	1500
Lifting height	mm	5500
Dimensions	mm	2528/240/3156
Channel width	mm	2942
Service weight	kg	1995
Outer width of forks	mm	350-780
Travel speed, laden/unladen	m/s	1/1
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	3/5
Battery voltage/nominal capacity	V/Ah	48/150

Distributed warehousing, stacking and storage of various forms and types of goods using various carriers

06-Reach AMR

Mankind's Forth Generation
Handling Equipment

Indoor reach AMR

XQC201



Features 

Name	International unit	Performance Parameters
Type	/	XQC201
Navigation	/	3D SLAM sensor
Load capacity	kg	2000
Communication	/	Wireless Wi-Fi/5G
Dimensions	mm	2688/1496/2472
Channel width	mm	3186
Service weight	kg	3420
Lifting height	mm	3600
Turning radius	mm	1939
Travel speed, laden/unladen	m/s	1.5/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	6/10
Battery voltage/nominal capacity	V/Ah	48/280
Reach distance	mm	555

Can be used outdoors

Can be used outdoors in complex weather conditions

Automation level

It can be connected to various automated equipment and systems

High safety protection

Various protective devices such as fork laser, top laser, and supplementa

06-Reach AMR

Mankind's Forth Generation
Handling Equipment

Indoor reach AMR

XQC161



Features 

Name	International unit	Performance Parameters
Type	/	XQC161
Navigation	/	3D SLAM sensor/QR Code
Load capacity	kg	1600
Lifting height	mm	8255
Dimensions	mm	2580/1496/3437
Channel width	mm	3177
Service weight	kg	3878
Outer width of forks	mm	200-770
Travel speed, laden/unladen	m/s	1.5/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	6/10
Battery voltage/nominal capacity	V/Ah	48/280

High-position rack stacking, deep alleyway dense stacking

06-Reach AMR

Mankind's Forth Generation
Handling Equipment

Indoor reach AMR

XQS151



Features 

Name	International unit	Performance Parameters
Type	/	XQS151
Navigation	/	3D SLAM sensor
Load capacity	kg	1500
Lifting height	mm	3000
Dimensions	mm	2200/1294/2472
Channel width	mm	3357
Service weight	kg	2675
Outer width of forks	mm	350-538
Travel speed, laden/unladen	m/s	1.5/2
Positioning accuracy	mm	±30
Max. gradeability, laden/unladen	%	6/10
Battery voltage/nominal capacity	V/Ah	48/280
Reach distance	mm	660

Can be used outdoors

Can be used outdoors in complex weather conditions

Automation level

It can be connected to various automated equipment and systems

High safety protection

Various protective devices such as fork laser, top laser, and supplementa

06-Reach AMR

Indoor reach
AMR

XQS181



Features

Name	International unit	Performance Parameters
Type	/	XQS181
Navigation	/	3D SLAM sensor+QR code fusion
Load capacity	kg	positioning
Lifting height	mm	1800
Dimensions	mm	3000
Channel width	mm	2240/1178/1070
Service weight	kg	3357
Outer width of forks	mm	2675
Travel speed, laden/unladen	m/s	350-660
Positioning accuracy	mm	1.5/2
Max. gradeability, laden/unladen	%	±30
Battery voltage/nominal capacity	V/Ah	6/10
Reach distance	mm	48/280

Multi-scenario handling indoors and outdoors

Mankind's Forth Generation
Handling Equipment

07-Tow AMR

Outdoor tow
AMR

XTD401



Features

Name	International unit	Performance Parameters
Type	/	XTD401
Navigation	/	SLAM sensor/reflector
Load capacity	kg	4000
Dimensions	mm	1513/910/2182
Service weight	kg	820
Standard shelf dimensions	mm	/
Travel speed, laden/unladen	m/s	1/1.4
Positioning accuracy	mm	±20
Max gradeability, laden/unladen	%	3/15
Battery voltage/nominal capacity	V/Ah	24/205

Manual mode and automatic mode can be chose

Can switch modes at will and the operation is simple

Large number of traction units

Can tow multiple material trolleys at once

//

07-Tow AMR

Indoor reach
AMR

XCT201



Features

Name	International unit	Performance Parameters
Type	/	XCT201
Navigation	/	3D SLAM sensor
Load capacity	kg	2000
Lifting height	mm	-
Dimensions	mm	1190/810/1000
Service weight	kg	750
Outer width of forks	mm	-
Travel speed, laden/unladen	m/s	1.6/1.8
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5
Battery voltage/nominal capacity	V/Ah	48/100

Low-cost traction indoors

Mankind's Forth Generation
Handling Equipment

07-Tow AMR

Outdoor tow
AMR

XTD601



Features

Name	International unit	Performance Parameters
Type	/	XTD601
Navigation	/	3D SLAM sensor
Load capacity	kg	6000
Dimensions	mm	1966/1350/1800
Service weight	kg	1220
Travel speed, laden/unladen	m/s	1.8/2.5
Positioning accuracy	mm	±30
Max gradeability, laden/unladen	%	7/25
Battery voltage/nominal capacity	V/Ah	48/280

Traction outdoors

It can perform long-distance autonomous traction in complex outdoor

Mankind's Forth Generation
Handling Equipment

08-Picking AMR

Container Storage Unit AMR

XCU0051



Features

Access and store material boxes in the dense material box warehouse

Mankind's Forth Generation Handling Equipment

Name	International unit	Performance Parameters
Type	/	XCU0051
Navigation	/	SLAM sensor/QR codes
Load capacity	kg	50/50+50*4
Lifting height	mm	5800
Dimensions	mm	180/950/2240
Service weight	kg	900
Outer width of forks	mm	-
Travel speed, laden/unladen	m/s	1.8/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5
Battery voltage/nominal capacity	V/Ah	48/40

09-Body RAMR

Container Pick Unit Body AMR

XCO0051



Features

Sorting of small materials in the dense material box warehouse

Mankind's Forth Generation Handling Equipment

Name	International unit	Performance Parameters
Type	/	XCO0051
Navigation	/	SLAM sensor/QR codes
Load capacity	kg	5/50+50
Lifting height	mm	5800
Dimensions	mm	1220/950/2500
Service weight	kg	650
Outer width of forks	mm	-
Travel speed, laden/unladen	m/s	1.8/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5
Battery voltage/nominal capacity	V/Ah	48/40

09-Body RAMR

Container Transfer Unit Body AMR

XCL0051



Features

Efficient transfer of material boxes in the indoor warehouse

Mankind's Forth Generation Handling Equipment

Name	International unit	Performance Parameters
Type	/	XCL0051
Navigation	/	SLAM sensor/QR codes
Load capacity	kg	50*4
Lifting height	mm	1500
Dimensions	mm	1100/950/2000
Service weight	kg	450
Outer width of forks	mm	-
Travel speed, laden/unladen	m/s	1.8/2
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5
Battery voltage/nominal capacity	V/Ah	48/40

09-Body RAMR

Arm body robot

XCB031



Features

Flexible mobile grasping

Mankind's Forth Generation Handling Equipment

Name	International unit	Performance Parameters
Type	/	XCB031
Navigation	/	2D SLAM sensor
Load capacity	kg	Carry 300kg, grasp 2/5kg
Lifting height	mm	/
Dimensions	mm	780/550/1300
Service weight	kg	160
Outer width of forks	mm	/
Travel speed, laden/unladen	m/s	1/1.5
Positioning accuracy	mm	±10
Max. gradeability, laden/unladen	%	5/5
Battery voltage/nominal capacity	V/Ah	48/20