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robomania

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official website

Headquarters

robomania

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official website

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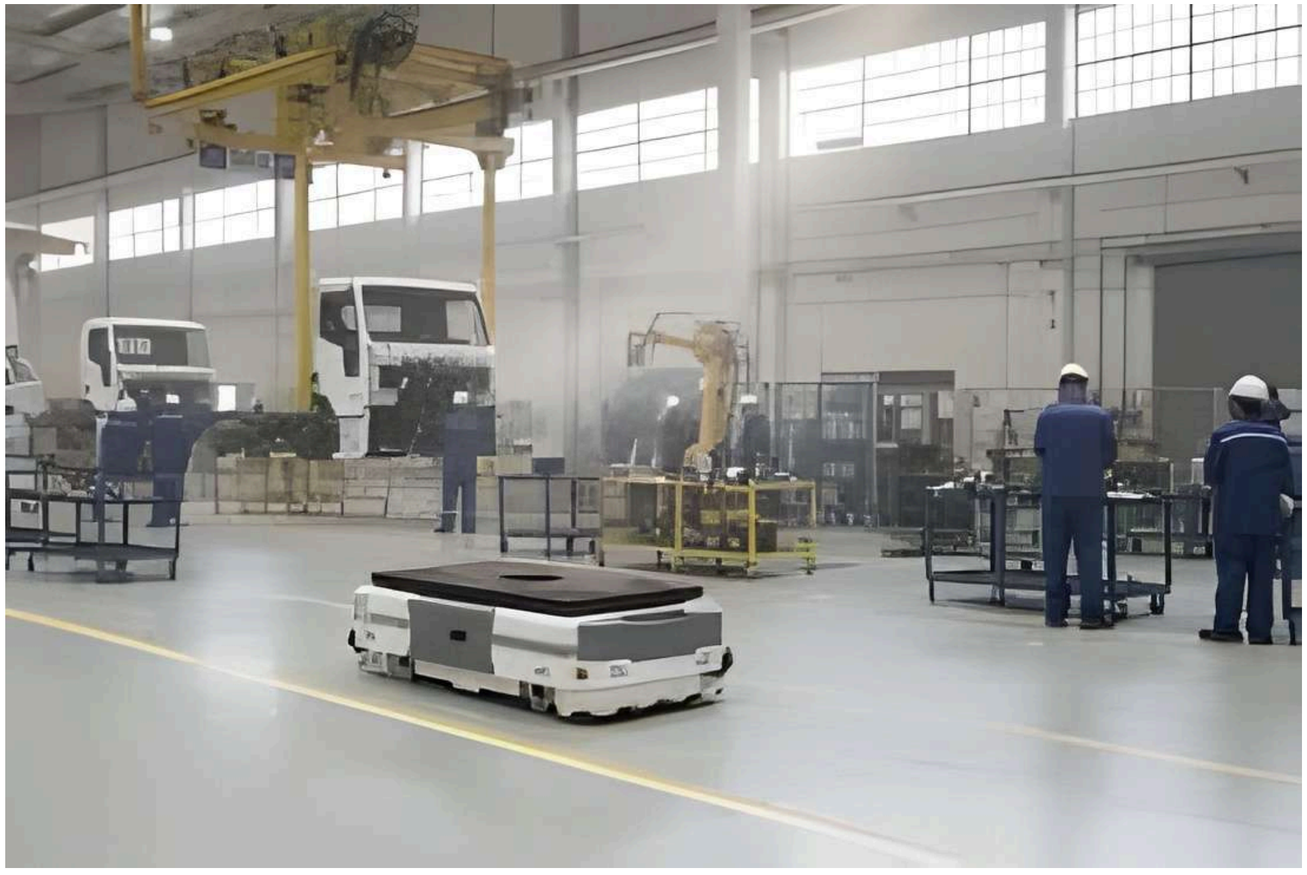
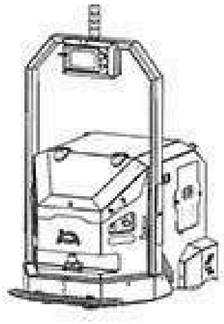
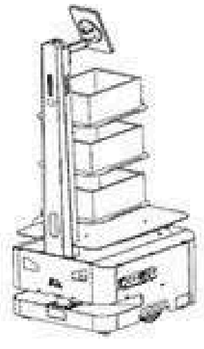
About us







Driving the Future of Automation

Robomania India Private Limited is a leading innovator in the design,development, and manufacturing of Autonomous Mobile Robots (AMRS) and Automated Guided Vehicles (AGVs). With over 17 years of expertise in robotics, we are committed to delivering intelligent, reliable, and future-ready automation solutions that transform industries

Our Journey

Founded with a vision to redefine industrial automation, robomania Robomania India has grown into a trusted name in robotics. From day one, we have focused on innovation, eficiency, and safety to help industries operate smarter and faster.

Our Expertise

We design and manufacture advanced AMRS and AGVs tailored to manufacturing, logistics, and warehousing applications. Our solutions ensure seamless integration, high adaptability, and scalable automation. With 17+ years of expertise, our team of engineers and robotics professionals continuously innovate to deliver systems that improve performance and reliability.

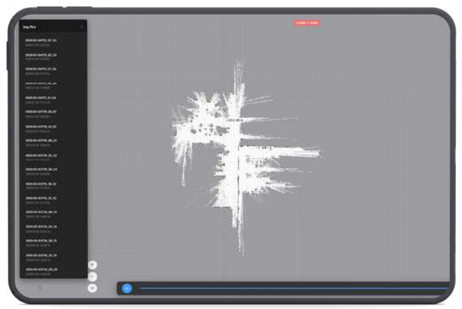
Our Products

Autonomous Mobile Robots (AMRS): Built for dynamic environments, our AMRs use AI, machine learning, and advanced sensors to navigate and transport materials efficiently and autonomously. Automated Guided Vehicles (AGVs): Our AGVs provide accurate and safe material handling using precise navigation systems for reliable movement within industrial spaces.

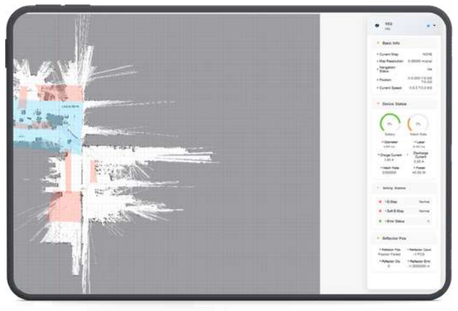
100+
HAPPY CLIENTS

ROBOMANIA FMS

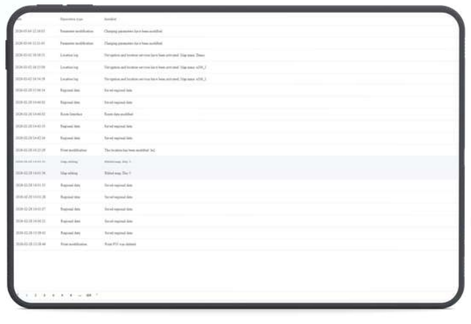
www.robomania.in



- ROBOMANIA FLEET MANAGEMENT SYSTEM
- UPTO 256 AMR CONTROL BY DEFAULT
- DYNAMIC LIVE MONITORING



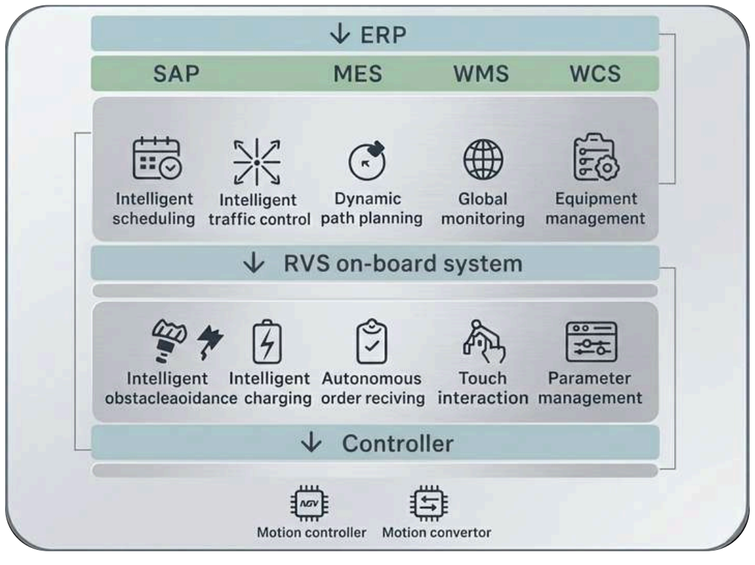
- AMR STATISTICS MODULE
- DYAMIC STATISTICS MONITORING
- DYNAMIC REPORT GENERATION

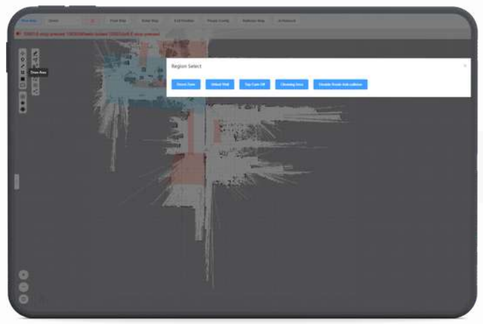


- AMR LOG MANAGEMENT
- LARGE HISTORY STORAGE
- COMMUNICATION INTERPRETATION ASSIST

Function Module

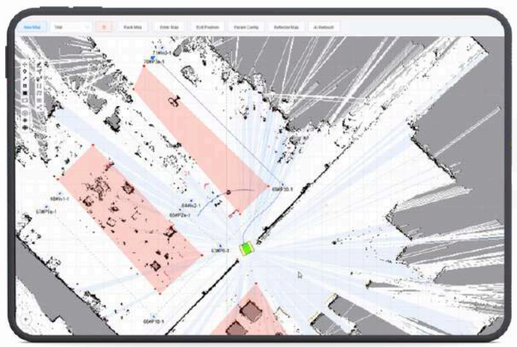
Software Workflow



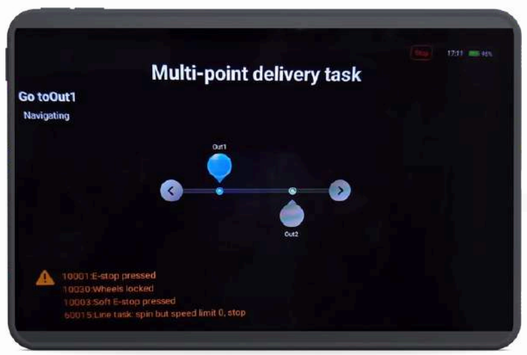


- OBSTACLE DETECTION
- MULTIPLE ZONE CONFIGURATIONS
- OPERATIONAL ENVIRONMENT SAFETY

Comprehensive fleet management system capable of coordinating diverse robots across multiple operational zones and tasks.

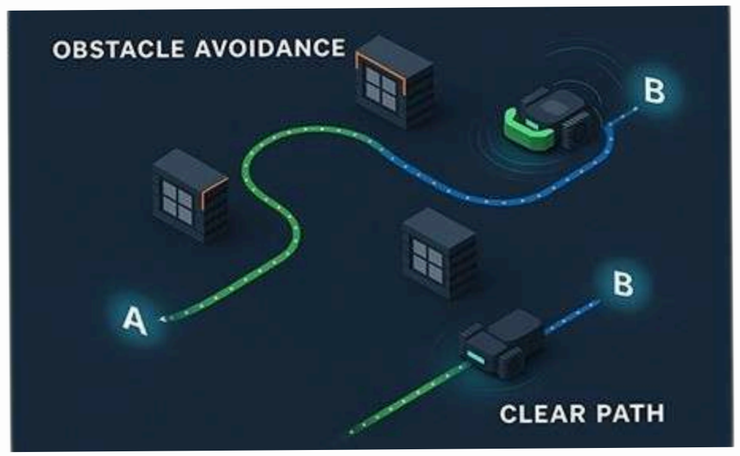


- USER FRIENDLY INTERFACE
- AMR PATH PLANNING
- MULTIPLE STOPPING POINTS MAPPING



- TASK MANAGEMENT
- ASSIGN AND MONITOR SIMULTANEOUSLY
- DRAG AND DROP MODULES

Dynamic Path Planning



ANA PICKER

Autonomous mobile robot

SLAM

Anti-collision radar

Automatic charging

Technical Parameters

Usage	Top load
Max Load	1500-kg.
Speed	0.1 to 1.2 m/sec
Navigation	SLAM - Natural Navigation
Battery	LiFePO4 48V 30 Ah.
Running Hours	8 hours
Features	360° Safety lidar, 3D LiDAR, safety bumper, Visual obstacle detection, manoeuvring around obstacles, Automatic elevator docking, Automatic or scheduled charging, configurable speed zones and virtual walls, multi-machine collaboration, follow-me function

ANA LOADER

Autonomous mobile robot

SLAM

Anti-collision radar

Automatic charging

Technical Parameters

Usage	Towing
Max Load	500-2000kg.
Speed	0.1 to 1.2 m/sec
Navigation	SLAM - Natural Navigation
Battery	LiFePO4 48V 84 Ah.
Running Hours	16 hours
Features	360° Safety lidar, 3D LiDAR, safety bumper, Visual obstacle detection, manoeuvring around obstacles, Automatic elevator docking, Automatic or scheduled charging, configurable speed zones and virtual walls, multi-machine collaboration

ANA MOVER

Autonomous mobile robot

SLAM | Anti-collision radar | Automatic charging

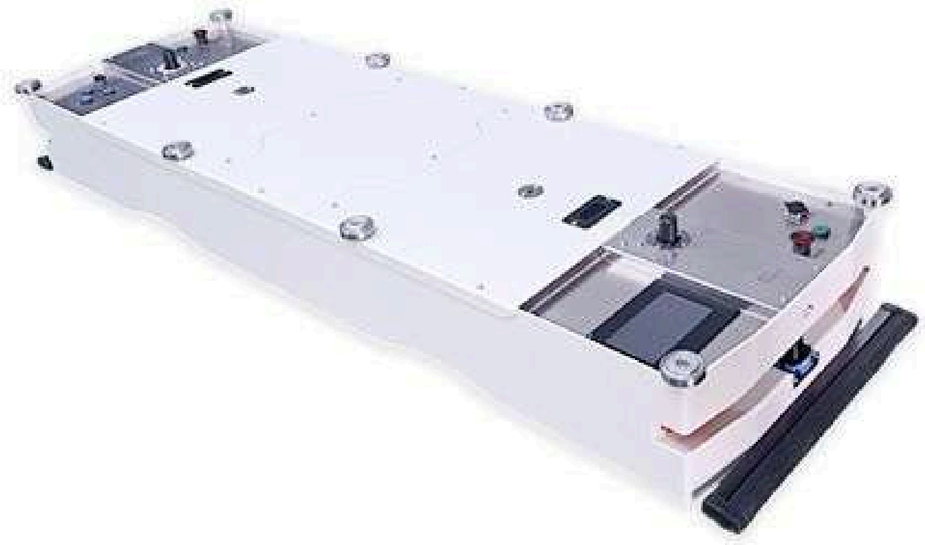
Technical Parameters

Max Load	500-2000 kg.
Speed	0.1 to 1.2 m/sec
Navigation	SLAM - Natural Navigation
Battery	LiFePO4 48V 84 Ah.
Running Hours	16 hours
Features	360° Safety lidar, 3D LiDAR,safety bumper, visual obstacle detection, manoeuvring around obstacles, automatic elevator docking , automatic or scheduled charging,configurable speed zones and virtual walls,multi machine collaboration

ANA CARRY

Autonomous mobile robot

SLAM | Anti-collision radar | Automatic charging



Technical Parameters

Capacity	300-1000 kg
Turning Radius	300 mm
Movement	Bidirectional
Navigation System	SLAM- Natural Navigation
Speed	0.01 to 1.2 m/s
Positioning Accuracy	+/-10 mm
Communication	WiFi M2M 1x HMI,
Connectivity	WiFi
Features	3D LiDAR , safety bumper, visual obstacle detection and manoeuvring, automatic elevator docking, automatic or scheduled charging, configurable speed zones and virtual walls, multi machine collaboration

ANA CARRY

SLAM

Anti-collision radar

Automatic charging

Technical Parameters

Usage	Towing and Under docking
Max Load	20,000 Kg
Speed	0.1 to 0.6 m/sec
Navigation	SLAM- Natural Navigation
Battery	LiFePO4 48V 1000Ah
Running Hours	8 Hours
Safety Features	360° Safety lidar, 3D LiDAR,safety bumper, visual obstacle detection, automatic or scheduled charging, configurable speed zones and virtual walls.

ANA MOVER

SLAM

Anti-collision radar

Automatic charging

Technical Parameters

Usage	Topload, Towing
Max Load	200-1000Kg
Speed	0.1 to 1.2 m/sec
Navigation	SLAM- Natural Navigation
Battery	LiFePO4 48V 84Ah
Connectivity	1x HMI, WiFi
Safety Features	360° Safety lidar, 3D/2D LiDAR,safety bumper,visual obstacle detection and manoeuvring,, automatic or scheduled charging, configurable speed zones and virtual walls, multi-machine collaboration, automatic elevator docking

AMR GALAXY R2.0-500kg

Autonomous mobile robot

SLAM

Anti-collision radar

Automatic charging

Technical Parameters

Max Load	500 KG
Speed	0.1 to 1.2 m/sec.
Navigation	SLAM - Natural Navigation
Features	360° Safety lidar, 3D/2D LiDAR,safety bumper,visual obstacle detection, automatic or scheduled charging, configurable speed zones and virtual walls, multi-machine collaboration,automatic elevator docking , manoeuvring around obstacles.

AMR GALAXY R2.0-1000kg

Autonomous mobile robot

SLAM

Anti-collision radar

Automatic charging

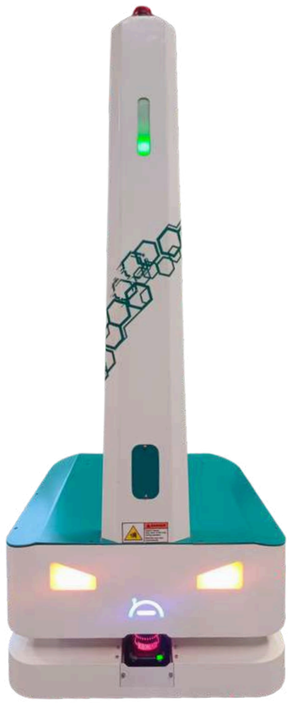
Technical Parameters

Max Load	1000 KG
Speed	0.1 to 1.2 m/sec
Navigation	SLAM - Natural Navigation
Features	360° Safety lidar, 3D/2D LiDAR,safety bumper,visual obstacle detection, automatic or scheduled charging, configurable speed zones and virtual walls, multi-machine collaboration,automatic elevator docking , manoeuvring around obstacles.

AMR GALAXY -500kg

Autonomous mobile robot

SLAM | Anti-collision radar | Automatic charging



Technical Parameters

Max Load	500 KG
Speed	0.1 to 1.2 m/sec.
Navigation	SLAM - Natural Navigation
Features	360° Safety lidar, 3D/2D LiDAR,safety bumper, visual obstacle detection, automatic or scheduled charging, configurable speed zones and virtual walls, multi-machine collaboration,automatic elevator docking , manoeuvring around obstacles.

AMR GALAXY R2.1 -300kg

Autonomous mobile robot

SLAM | Anti-collision radar | Automatic charging

Technical Parameters

Max Load	300 KG
Speed	0.1 to 1.2 m/sec.
Navigation	SLAM - Natural Navigation
Features	360° Safety lidar, 3D LiDAR,safety bumper, visual obstacle detection, automatic or scheduled charging, configurable speed zones and virtual walls, multi-machine collaboration,automatic elevator docking , manoeuvring around obstacles.

AMR FORKLIFT

Autonomous mobile robot

SLAM

Anti-collision radar

Automatic charging

Technical Parameters

Max Load	1500kg
Load Center(mm)	600
Lifting Height(mm)	3000
Width over forks(mm)	200-1040
Turning radius(mm)	1500
Right angle running aisle width	2760
Minimum ground clearance(mm)	45
Vehicle dimensions L/W/H(mm)	2530/1000/2645
Fork dimensions L/W/H(mm)	1150/100/40
Max gradeablity(%)	3
Speed	1.2m/s
Navigation	Laser SLAM
Positioning accuracy	+/- 10mm
Safe distance	5m
Charging time	2 Hrs
Battery	24V/200Ah
Communication mode	WiFi 2.4G/5.8G

GLOBAL MANAGEMENT

Honorary Customers

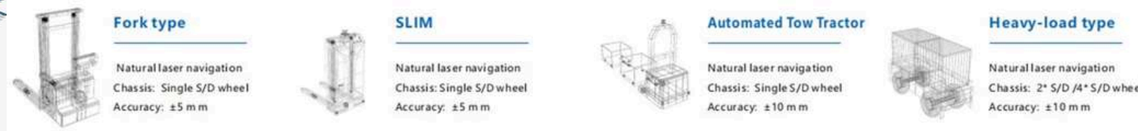
DAIMLER · TITAN COMPANY · CUMI CARBORUNDUM UNIVERSAL LIMITED · PHILIPS · Whirlpool CORPORATION

RE+ BOBUS · RIX · ATLAS EXPORT ENTERPRISES · SHAKTI · Ford · Flipkart

TKAP TOYOTA KIRLOSKAR AUTO PARTS PVT. LTD. · STELLANTIS · UNO MINDA · TI INDIA · Malayala Manorama The brand that builds brands

amber · MONTRA ELECTRIC · Dixon · TAFE · TVS

HYUNDAI MOBIS · mahindra · Jeep · intimate fashions · QualyaaS Tecnología Automatización y Sistemas



Fork type
Natural laser navigation
Chassis: Single S/D wheel
Accuracy: ±5 m m

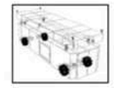
SLIM
Natural laser navigation
Chassis: Single S/D wheel
Accuracy: ±5 m m

Automated Tow Tractor
Natural laser navigation
Chassis: Single S/D wheel
Accuracy: ±10 m m

Heavy-load type
Natural laser navigation
Chassis: 2* S/D /4* S/D wheel
Accuracy: ±10 m m

Lifting type
Laser/barcode
Chassis: 2WD diff
Accuracy: ±10 m m

Manipulator
Laser/barcode
Chassis: 2WD diff/Mecanum wheel
Accuracy: ±5 m m



Manipulator
l laser navigation
Chassis: Mecanum wheel
icy: ±5 m m
...

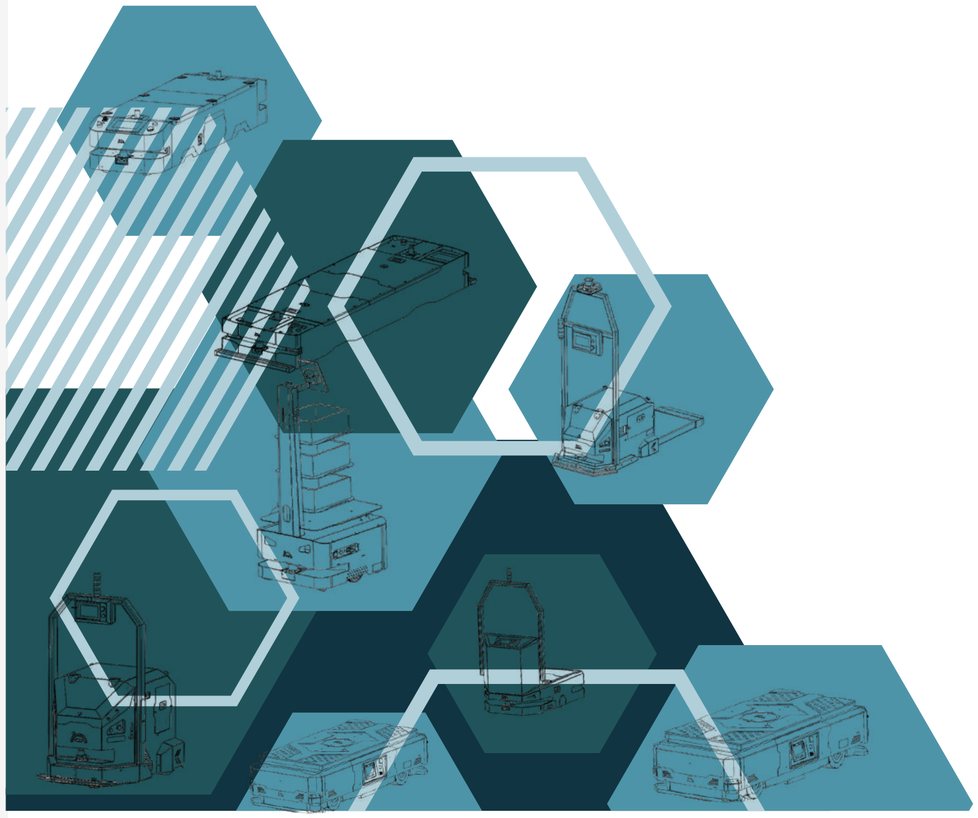
Lifting cart type
Natural laser navigation
Chassis: 2* S/D wheel
Accuracy: ±10 m m

Roller conveyor type
Laser/barcode
Chassis: 2WD diff
Accuracy: ±5 m m

Rack type
Laser/barcode
Chassis: 2WD diff
Accuracy: ±10 m m

Outdoors type
Navigation GNSS
Chassis: 4W4S
Accuracy: ±10cm

Parking type
Natural laser navigation
Chassis: 2* S/D wheel
Accuracy: ±10 m m

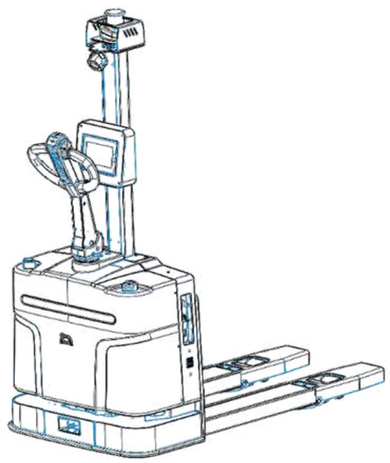


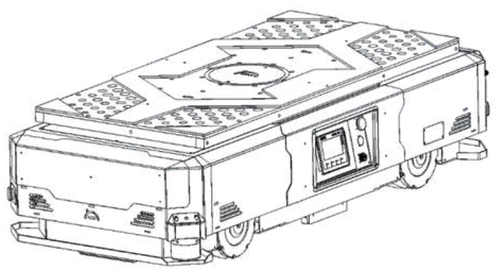
WHY CHOOSE ROBOMANIA

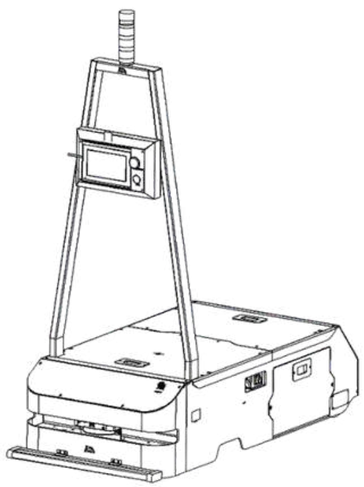
A FEW GOOD REASONS

Choose us for innovative, reliable and tailored solutions. With expertise in cutting-edge technology, we deliver high quality services that are scalable and customer-focused. Our proven track record and global reach ensure your success,offering flexibility and support every step of the way

- ROI- Friendly
- Expertise and Innovation
- Customized Solutions
- Reliability and Quality







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