



GreenTrans

Autonomous Mobile Robot

Technical Support by China Motor Corp.



SLAM
Simultaneous localization
and mapping

MR150-D



MR100-O/D



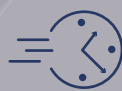
OME1000



Intelligent



Flexible



Efficient



Safe



Reliable



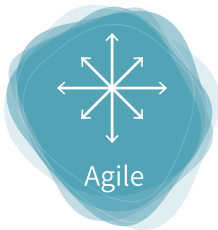
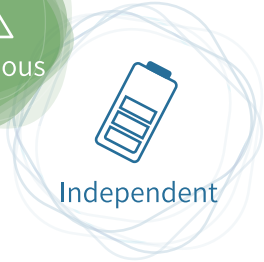
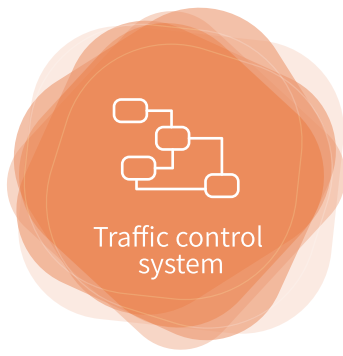
Easy to deploy



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FEATURES

- GreenTrans is able to help design user's turnkey system solution and integration the system with user's control system such as MES.
- Equipped with SLAM technology, the vehicle is able to navigate fully autonomously.
- The vehicle is supplied directly with power from Li-ion batteries.

Factory nowadays requires not only efficiency and stability but also flexibility and mobility. The GreenTrans AMR is an intelligent vehicle with self-navigating ability designed for rapid changing environments in factories and warehouses for material handling. Unlike conventional AGV, GreenTrans AMR applies the latest SLAM technology for navigation, and it is able to work without inductive magnets and wires, triangulation reflectors and optical guidance, offering true flexibility in facility layout planning and saving facility modification costs.

GreenTrans Corporation is specialized in the development of AMR for material handling in manufacturing factories. A wholly owned subsidiary company of China Motor Corporation, one of Taiwan's leading automobile manufacturers, GreenTrans Corporation is endeavor to provide high quality AMR to the users island wide.

Model	MR100-O	MR100-D	MR150-D	OME1000
Dimensions(L*W*H)	1,196*772*833 mm	1,154*654*700 mm	1,154*654*453 mm	1,900*460*298 mm
Robot Payload	10 kg / 12 kg / 14 kg / 20 kg			-
AMR Payload	70 kg		150 kg	1000 kg (Drag Force)
Max Patrol Speed	50 m/min			
Navigation Accuracy	+/- 10 mm, +/- 1°			
Turing Radius	Min. 600 mm@30 m/min			Min. 1000 mm@20 m/min
Motion Mode	Omni-directional	Forward, Backward, Rotating		Omni-directional
Driver System	Steering Wheel	Differential Drive		Steering Wheel
Weight	375 kg	287 kg	150 kg	200 kg
Battery	Lithium iron 48V/35Ah			Lithium iron 48V/51.2Ah
Certificate	SEMI-S2,in compliance with Class 100			-

① Optional: Online wireless charging solution.

- ◆ The content of this DM is for reference only. Specifications are subject to change without notice based on product improvements or actual technical requirement. Greentrans reserves the right to cease the supply of the products or to alter the specifications of the products.
- ◆ Specifications regarding the AGV's movement may be limited or influenced by surrounding conditions.
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