

WEWO Customized Datasheet



Find comprehensive details
and specifications of the
WEWO Customized in the
booklet.

www.scanlox.com

WEWO Customized

Out-Of-The-Box Solutions

Easy Communication

Safety

Fully Customizable



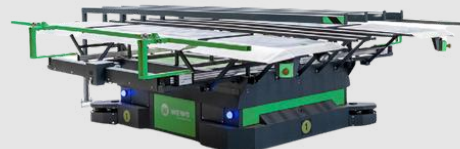
Automation should fit the specific needs of your operation. With a custom-made AGV, internal logistics can be optimized to match exact requirements. Whether handling heavy loads, reaching heights, navigating complex environments, or something else, a tailored AGV ensures efficient material flow.

A customized AGV can be developed for industries such as automotive, manufacturing, food production, or paper processing. Specifications like payload capacity, navigation method, and system integration are fully adaptable to the operational environment.

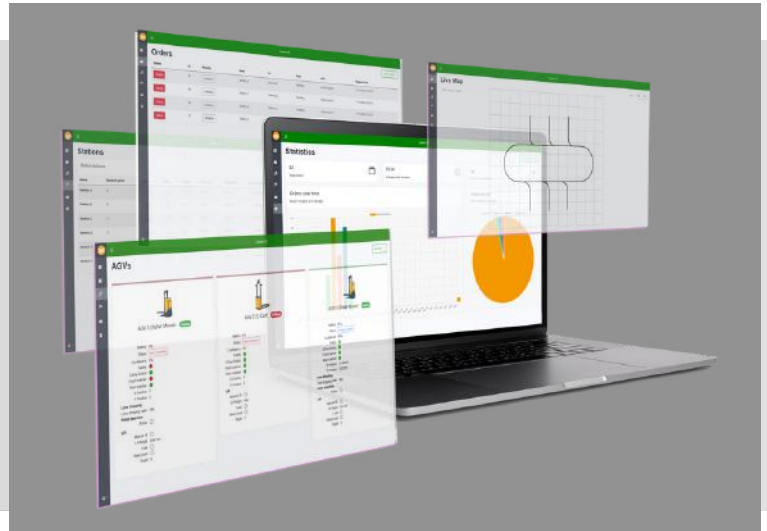
From the initial design phase to implementation, service, and maintenance, every aspect of the AGV is configured to fit unique logistics challenges.



Customized Examples



Fleetmanagement & WMS Application



The Fleet Management Software & MES provides all the essential tools to efficiently manage warehouse and production environments. It seamlessly controls multiple AGVs within the same space, optimizing workflow and minimizing disruption.



Task Management

Assign, monitor, and prioritize tasks effortlessly.



Alarm & Traffic Management

Prevent bottlenecks and ensure smooth operation.



Deadlock Prevention

Optimize vehicle paths for continuous flow.



System Integration

Connects seamlessly with MES, ERP, and other enterprise systems.



Comprehensive Product Tracking

Monitors product positions and data in real time.



Seamless Integration

Connects with production lines, machines, and delivery stations.



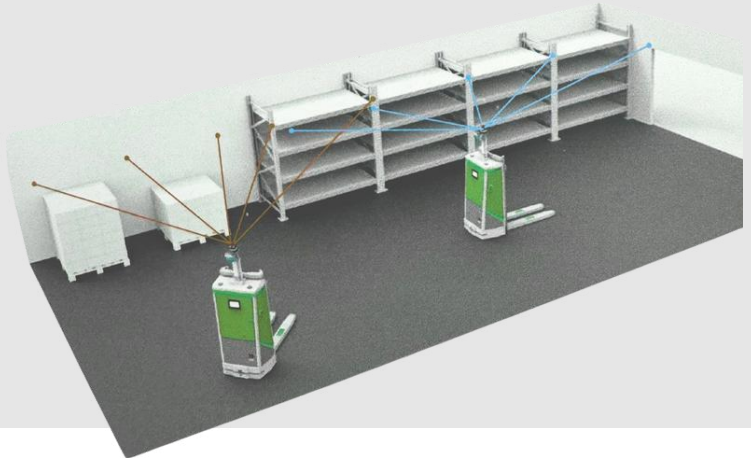
User Role Management

Ensures secure and efficient system access based on defined permissions.

Navigation Methods

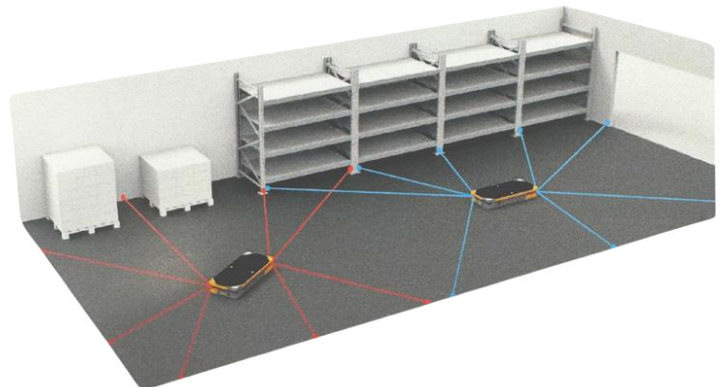
Natural Navigation - Top

By choosing the Natural Navigation - Top method, the AGV will navigate using a top-mounted laser scanner that detects structures and reflectors in the environment.



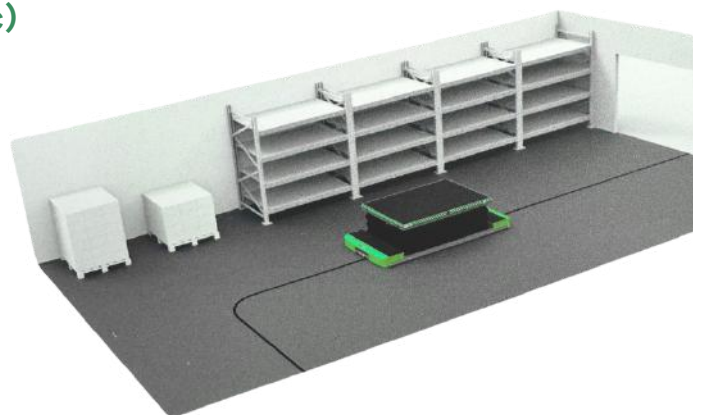
Natural Navigation - Bottom

With the Natural Navigation - Bottom method, the AGV will rely on safety scanners positioned at ground level, utilizing existing environmental features like walls and contours for navigation, allowing for efficient movement under objects.



Line Following Guide (Optical/Magnetic)

Opting for the Line Following Guide method means the AGV will follow a predefined optical or magnetic line. The camera or field detectors use this line to guide the vehicle, with 2D codes providing directional commands for navigation.



Safety & Scanners



Blue Spots



Navigation Scanner



“Collision Avoidance”



Load Sensor



Safety Scanners

No matter how the AGV is customized, safety is always guaranteed. The AGVs are equipped with advanced safety systems designed to protect employees, infrastructure, and the robots themselves.

They comply with international standards such as **ISO 3691-4** and **EN1525**.

Energy Management

The AGVs feature automatic charging, eliminating the need for manual intervention. When the battery reaches a minimum level, the AGV completes its current task and automatically navigates to an available charging station.

With this intelligent charging system, the AGVs remain operational with minimal interruptions, ensuring maximum efficiency in warehouse and production environments.

Key Advantages

Seamless Integration

AGVs recharge without disrupting operations.

Automated Docking

The integrated power collector ensures precise contact with the charging station.

Programmable Charging Levels

Adjust battery thresholds to optimize uptime and efficiency.

Minimal Downtime

Once charged, the AGV automatically resumes its next task.

