



SCANLOX  
SCANDINAVIAN LOGISTICS

# WEWO Customized Data Sheet



# WEWO Customized

## Out-Of-The-Box Solutions

### Key Points

Easy Communication

Safety

Customization Possibilities



### Moving Your Innovations Forward

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.

### VDA5050 Compatible

VDA5050 is an open standard for communication between autonomous robots and control systems. The standard ensures that robots from different manufacturers can be seamlessly integrated with central control systems.

All WEWO AGVs are fully compatible with the VDA5050.

### AGV Applications



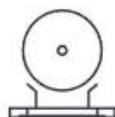
AGV Pallet  
Handling



AGV Product  
Handling



AGV Cart  
Handling



AGV Roll &  
Bulk Handling



AGV Assembly  
Automation



AGV Machine  
Cell Loading

# Customized Examples



Nye Aalborg  
Universitetshospital



Skylux



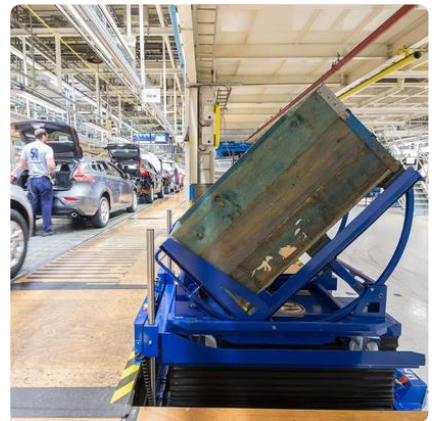
Audi



Arte Granite



Asco



Volvo



Essity



Itho Daalderop



Daiwa Housing

# Fleet Management & WMS Application

## The Software

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.

For businesses without an existing warehouse management system, the WEWO WMS application offers a complete solution. Designed to integrate seamlessly with the Fleet Management Software, this system enables full control over inventory and logistics.



### Task Management

Assign, monitor, and prioritize tasks effortlessly.



### Comprehensive Product Tracking

Monitors product positions and data in real time.



### Alarm & Traffic Management

Prevent bottlenecks and ensure smooth operation.



### Seamless Integration

Connects with production lines, machines, and delivery stations.



### Deadlock Prevention

Optimize vehicle paths for continuous flow.



### User Role Management

Ensures secure and efficient system access based on defined permissions.



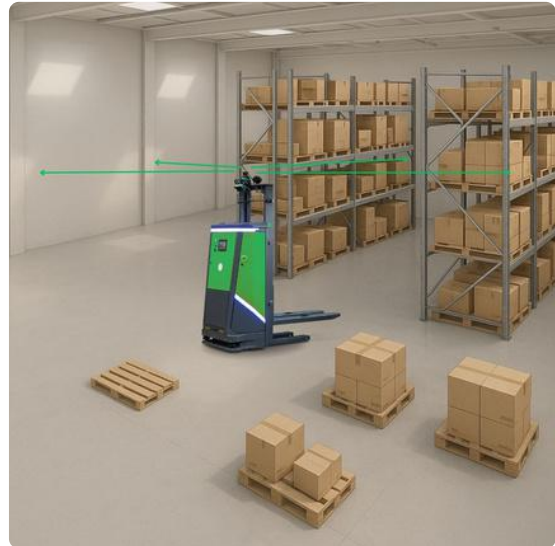
### System Integration

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

# Navigation Method

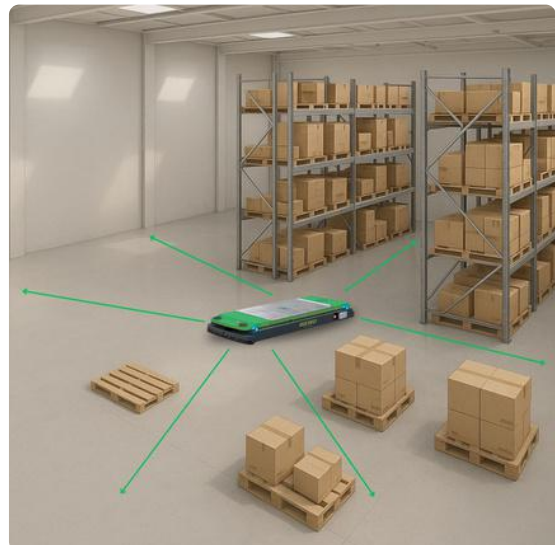
## Natural Navigation - Top

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.



# Energy Management

## Charging System

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.



### Safety in the Overview by:

APN Connection

ISO 27001 Certified Data Centers

Encryption According to Highest Standards

# Safety & Scanners

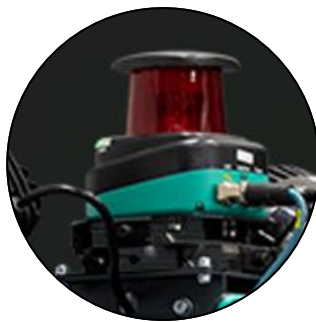
No matter how the AGV is customized, safety is always guaranteed.

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.



Blue Spots



Navigation Scanner



“Collision Avoidance”



Load Sensor



Safety Scanners



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