

# WEWO Move Underrider Datasheet



Find comprehensive details  
and specifications of the  
WEWO Move Underrider in  
the booklet.

[www.scanlox.com](http://www.scanlox.com)

# WEWO Move Underrider

*For Dollies & More*

***Easy Communication***

***Safety***

***Various Models***

***Customization Possibilities***



The WEWO Move Underrider AGV is an advanced solution for seamless, automated transport of goods with precision and speed. Designed for ultra-low clearance, it can operate beneath loads that a standard *Move AGV* cannot handle. Its compact design ensures smooth maneuverability in confined spaces without the need for counterweights.

With a modular structure, it can be easily adapted to specific operational needs, optimizing efficiency in warehouse and production environments.



Performance Data

<b>30 mm</b>	<b>500 kg</b>	<b>1,6 m/s</b>
Max. Lifting Height	Max. Lifting Weight	Max. Speed

Dimensions







1.400 x 600 x 150 mm (L x W x H)

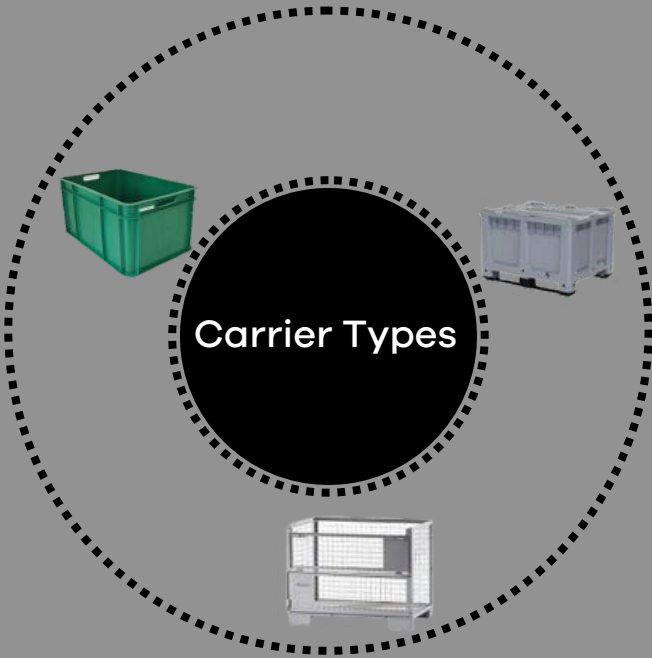
Specifications

<b>Natural Navigation - Bottom</b>	<b>RAL7016, RAL1007</b>
Navigation Method	Powder Coating
<b>Closed Lift System</b>	<b>CE Standard</b>
Lift System	Certification
<b>Maintenance-free</b>	
Battery	

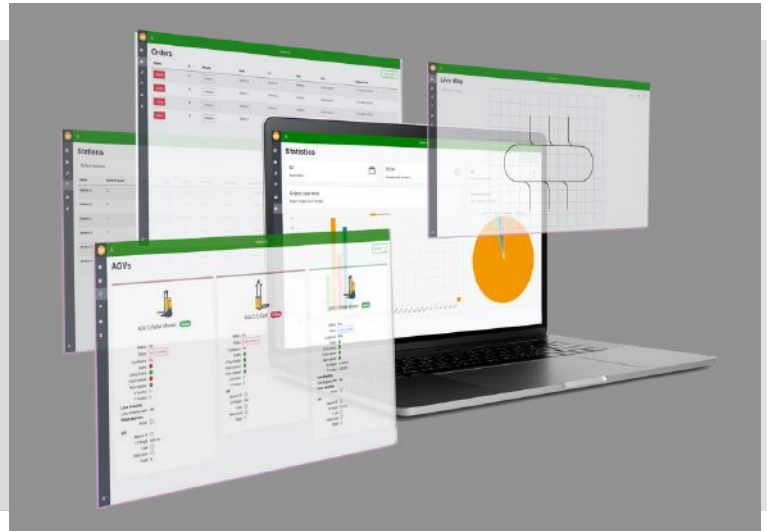
Specification

Details

-  Boxes Plastic / wood / metal
-  Pallet Cages
-  Dimensions Max According to requirement
-  Exeptions Carriers with closed bottom
-  Other types of carriers - inquiry to supplier
-  NB: The vehicle is not limited by plastic wrap on the pallet's foot



# 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

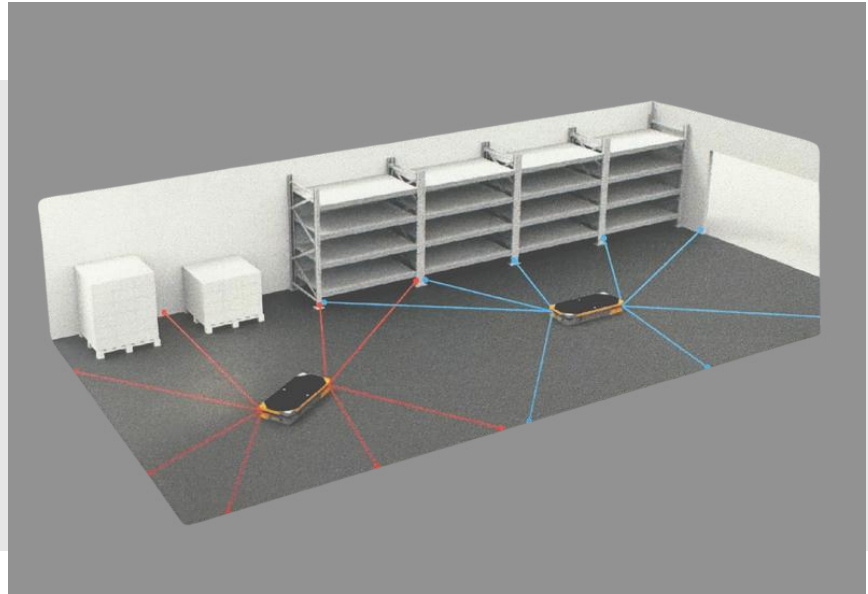
Connects with production lines, machines, and delivery stations.



## User Role Management

Ensures secure and efficient system access based on defined permissions.

# Navigation Method



The Move Underriider utilizes natural navigation through safety scanners positioned at ground level. By referencing structures and contours in the environment, it determines its location without the need for complex infrastructure such as inductive wires, magnets, or reflectors. Simple reflectors can be incorporated where needed, providing flexibility in setup.

This method ensures efficient operation without the need for extensive setup or constant adjustments.

## Key Advantages

### **No Infrastructure Needed**

Reduces installation costs and complexity by relying on environmental features for navigation

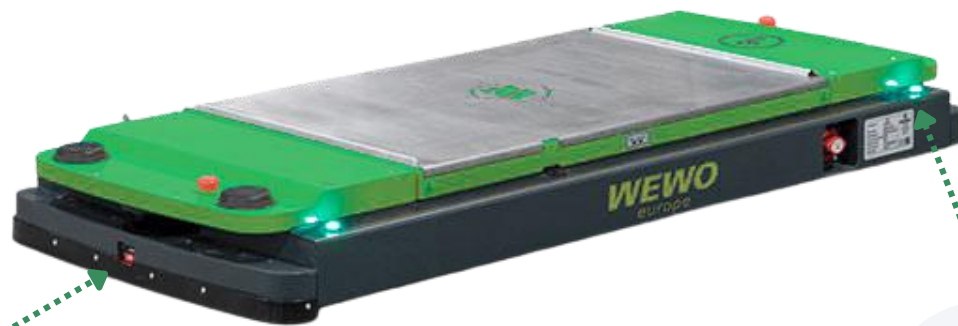
### **Flexibility**

Simple reflectors can be added where necessary, allowing for easy adaptation.

### **Enhanced Visibility**

The scanners can see through under carts etc.

# Safety & Scanners



Navigation Scanner



Safety Scanners

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.



# Dimensions

