

# Multiway Robotics



## Environment Adaptive

With laser navigation and positioning, there's no need to renovate the on-site environment.



## Non-stop pallet pose identification

Visual perception non-stop pallet pose identification can realize fast and accurate pick-and-place of goods.



## Highly Intelligent

A whole range of functions such as mapping, path planning, auto-charging, and intelligent operations for various scenarios.



## Intelligent Safety

Comprehensive fault self-detection 360° obstacle avoidance and sound & light warning.



## Contact Us

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# SL Series Pallet Stacker



## Specifications

|                         | Model   | SL14   | SL16                       |
|-------------------------|---|--|----------------------------|
| Basic Parameter         | Navigation  | LiDAR Navigation / Sky Navigation / Mixed Navigation |                            |
|                         | Communication   | Wi-Fi / 5G / Optical Communication                   |                            |
|                         | Driving Features  | Forward, Reverse, and Turn                           |                            |
|                         | Control Mode  | Auto/Manual  |                            |
|                         | Rated Load (kg)   | 1400kg   | 1600kg                     |
|                         | Load Center (mm)  | 600  |                            |
|                         | Weight (Including battery) (kg)                                     | 930  | 1080                       |
|                         | Turning Radius (mm)   | 1184   | 1273                       |
|                         | Aisle Width (mm)  | 2300   | 2400                       |
|                         | Maximum Lifting Height (mm)   | 3500   |                            |
|                         | Dimensions L×W×H (mm)   | 1751×998× (1940/2140/2340)                           | 1792×958× (1940/2140/2340) |
|                         | Fork Dimensions l×e×s (mm)  | 1150×170×60  | 1150×180×60                |
|                         | Fork Outer Space (mm)   | 540/620/680  |                            |
| Movement Specifications | Positioning precision/ Stop Angle (Center of bearing wheel) (mm/ °) | ±10/±1°  |                            |
|                         | Obstacle Clearing Capability  | ≤10  |                            |
|                         | Climbing Capacity   | ≤3° (5%)   |                            |
|                         | Cross-Groove Capability (mm)  | ≤30  |                            |
|                         | Max Driving Speed (m/s)   | 1.38   |                            |
|                         | Battery Voltage/Capacity (V/Ah)                                     | 24V/200Ah  |                            |
| Battery Specifications  | Charging Mode   | Auto/Manual  |                            |
|                         | Run time  | 6~8h   |                            |
|                         | Battery Life  | Complete charge-discharge 2500 times ≥80%            |                            |
|                         | Battery Type  | Lithium Iron Phosphate                               |                            |

Note: In the real-time update of product parameters, the above parameters are for reference only and shall prevail.

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