



**Rodsum Wireless
Forklift Robot/AGV (Automated Guided
Vehicle)**
FR-Mini 80 series

Rodsum Wireless Limited
rodsum.com
sales@rodsum.com
(+852) 3113 0637
RodsumRobotics

RODSUMWIRELESS

Make you a technology pioneer in next generation of warehouse and logistics management



Built on state-of-the-art robotic technologies, the unmanned forklift improves productivity without compromises. 24/7, 365 days a year for scheduled tasks.

Carry *more for less*



Compact design

One of the most compact forklift robot. Specially designed for needs at narrow aisle.



Long operating hours

Powered by lithium iron phosphate battery and intelligent battery management system, the forklift robot keeps working up to 6 hours continuously before proceeding automatically to the charging station.



Most surrounding conditions

Work effectively in adverse or hazardous environment. Even in the dark.

Advanced Laser Radar SLAM Natural Navigation

With the most advanced SLAM (Simultaneous Localization and Mapping) technology and LiDAR laser radar, the forklift robot is able to construct a map of workspace while tracking its location. It is good to go aright after initial setup.



Carry *more with no worry*



**No
retrofitting
to workspace**

Improved from early generations of forklift robot or AGV, no wires and guided tapes are required to be installed. It works in your existing setup of workspace.



Good ROI

The forklift robot follows exactly the route you designate, load/unload goods precisely to/from the intended position. Together with its versatile design, it gives a good ROI (Return on Investment).



Safe in use

The robot would not compromise on safety issue. Wherever a personnel or barrier is detected by Safety Laser Scanner, it stops moving, alarms and reports to the Control System.

Rodsum Wireless Forklift Robot/AGV

FR-Mini 81

FEATURES

- ✓ LiDAR-based SLAM Navigation and Tracking
- ✓ Speed: 1.2M/sec; Accuracy: $\pm 10\text{mm}$
- ✓ Minimum turning radius: 5 ft
- ✓ Load capacity: 1,500 kg
- ✓ Powered by 24V 100AH Lithium Iron Phosphate Battery
- ✓ Battery life: 6 hours
- ✓ Charging time: 1 hour and 30 mins
- ✓ Dimension (cm): 1640L x 850W x 2100H
- ✓ Weight: 310 kg
- ✓ Designed for various pallets
- ✓ Package includes Forklift Robot, Fast Charging Station and Control System Software
- ✓ Local technical support and service
- ✓ Optional integration service with your backend system (e.g. ERP, WMS) available
- ✓ Optional customization for your needs available



FR-Mini 81



Charging Station

The forklift robot goes for charging at charging station automatically, without help from anyone.

Rodsum Wireless Forklift Robot/AGV

FR-Mini 82

FEATURES

- ✓ LiDAR-based SLAM Navigation and Tracking
- ✓ Speed: 1.2M/sec; Accuracy: $\pm 10\text{mm}$
- ✓ Minimum turning radius: 5 ft
- ✓ Load capacity: 1,500 kg
- ✓ Powered by 24V 100AH Lithium Iron Phosphate Battery
- ✓ Battery life: 6 hours
- ✓ Charging time: 1 hour and 30 mins
- ✓ Lifting height: 3 m
- ✓ Dimension (cm): 1640L x 850W x 2100H
- ✓ Weight: 350 kg
- ✓ Designed for various pallets
- ✓ Package includes Forklift Robot, Fast Charging Station and Control System Software
- ✓ Local technical support and service
- ✓ Optional integration service with your backend system (e.g. ERP, WMS) available
- ✓ Optional customization for your needs available



FR-Mini 82