

# Laser Guided Automated Guided Vehicle

This laser navigation AGV system is powered by a rechargeable battery and includes vehicle-mounted systems, charging stations and upper WMS systems. Management systems monitor tasks delivered from WMS to achieve online presence, task identification, path planning, and delivery of goods.



## Overview

### Advanced Laser Guided AGV

This Laser Guided Automated Guided Vehicle (AGV) provides a sophisticated material handling solution designed for high-precision navigation and transport in industrial environments. Utilizing advanced laser guidance, it eliminates the need for magnetic paths or rails, making it ideal for sites with strict infrastructure demands. With high payload capacities and multiple operating modes, this vehicle ensures steady, reliable, and safe logistics automation.

## Performance Metrics

### Maximum Loading Capacity

**2000 kg**  
Max Loading

Maximum Running Speed	80 m/min
Maximum Transferring Speed	30 m/min

## Technical Specifications

### Navigation Method

Laser Guided

Self Weight	200-3000 kg
Minimum Turning Radius	0.5 m
Minimum Protection Distance	0.5 m

## Accuracy

### Positioning Accuracy

Mode	Accuracy
Running	±10mm
Transferring	±5mm

## Operational Details

Operation Modes	Automatic, Semi-automatic, Manually
Power Supply Options	Lithium cell, Lead-acid cell
Charging Methods	Online charge, Offline charge

## Key Features

### System Capabilities

- Variable path navigation
- Customized shape
- High positional accuracy
- Wireless terminal operation/calling
- WIFI communication
- Mechanical and electrical deceleration modes