

# Magnetic Navigation Automated Guided Vehicle

This automated guided vehicle uses magnetic rail navigation for stable and low-cost operation. It is designed for precise material handling in industrial environments.



## Overview

### Magnetic Navigation AGV

This Magnetic Navigation Automated Guided Vehicle provides a reliable and precise solution for industrial material handling. Designed for sites where laying rails is impractical, it utilizes advanced magnetic navigation for fixed-path operations with high positional accuracy. With a robust build and three-level protection system, it ensures safe and efficient cargo transportation.

## Performance Metrics

### Max Loading Capacity

**5000 kg**  
Max Load

Running Speed	40 m/min
Transferring Speed	30 m/min

## Technical Specifications

Running Positioning Accuracy	3 mm
Transferring Positioning Accuracy	5 mm
Minimum Turning Radius	0.6 m
Required Floor Flatness	10 mm
Self Weight Range	200-3000 kg

## Operational Features

### Navigation Method

Magnetic Navigation

### Power Options

- Lithium cell
- Lead-acid cell

### Core Capabilities

- Fixed paths
- Customized shape
- WIFI communication
- Wireless terminal calling
- Imported key components

### Operation Modes

Automatic, Semi-automatic, Manually

## Safety & Compliance

### Protection System

Mechanical, electrical, and software systems with 3 levels of protection