Material Handling Solution
Automated Guided Vehicle
FEATURE OF FERROTEC AGV

- Semi-customized
- Designed and built according to application
- Low-cost yet high performance
- User-friendly & easy operation
- Easy maintenance
- Reliable and robust magnetic tapes / strip
- Simple programming on PC
SPECIFICATIONS

Guidance system: Magnetic Guidance System (Tape or strip)
Station recognition: Magnetic marker
Traveling direction: Forward (Reversible is available as option)
Rated load: 1000kg Max
Rated speed: 30m/min (Standard), 60m/min. (High speed version)
Stopping accuracy: +/- 30mm (+/- 15mm as option)
Source voltage: DC24V (12V battery x 2)
Operating environment: 0 to 40degC, RH 20-80%
Road surface condition: Dry and clean, maximum step height 6mm
Max. Nos. of station: 200
Max. Nos. of branch: 50

Safety features: Sensing bumper, Obstacle sensor (I/R, LED scanning)
Three level of control architecture are available and you can choose according to your requirement.

1. Manual operation (Basic)
The operator will select the destination by pressing the buttons on the console panel. The maximum number of stations is 8.

2. Manual operation (Advanced)
The operator will select the destination by keying in the data through the touch panel. The maximum number of stations is 200.

3. Automatic operation
The ground controller will communicate with AGV through the optical communication device or the RF device. The movement of AGV can be fully automated. The maximum number of stations is 200.
AGV LINE UP – FOR MANUAL LOADING

- For manual loading and unloading
- Simple and economical
- Can be pushed manually like push-cart
- Capacity up to 300kg
Automatic loading and unloading by conveyor
Various conveyors are available
Maximum loading capacity 100kg
Communication with station via optical communication sensor
AGV LINE UP – FOR TOWING

- Suitable for transporting trolleys / pallet jacks
- Simple and economical
- Minimum modification to the existing trolleys
- Towing capacity up to 1000kg
- Semi-auto towing: attach trolleys manually
- Fully-automated towing: AGV to go underneath the trolleys

SEMI-AUTO TOWING

FULLY-AUTO TOWING
Collision sensing bumper and obstacle detection sensor are standard safety feature of our AGVs. LED scanning sensor, which has a wide range of detection area, is available as option.
Each AGVs can be equipped with Wireless Traffic Controller which enable AGVs to communicate each other at junctions. No external controller is required.
OPTIONS

- Optical Comm. Sensor
- Obstacle Sensor (LED Scanner)
- Music Generator
- Battery Meter
- Automatic Charger
- Manual Control Pendant