

MasterMover®

FlatBed AGV

Unit Load AGV



FlatBed AGV



Overview

The FlatBed AGV range of heavy-duty unit load vehicles is built for industrial and distribution environments. Combining a 25+-year track record of heavy load movement with best-in-class AGV technology, our FlatBed AGV range is the ideal solution for moving heavy payloads with unrivalled manoeuvrability, flexibility, and control.

Whether you're looking for an alternative to traditional conveyor systems, to streamline the movement of parts assemblies and palletised goods, or a more flexible assembly line – the FlatBed AGV is the perfect fit.

Key Features

Combining best-in-class vehicle design, safety systems, and navigation technology, the FlatBed AGV range is the perfect solution for delivering safe, accurate material handling processes in your operations.

- On-the-spot manoeuvrability
- Fully customisable
- Natural feature navigation
- Heavy payload handling



Technology

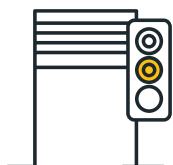
Natural Feature Navigation



Equipped with Natural Feature navigation, the range utilises sensors and scanning systems to navigate autonomously by detecting and mapping your environment.

The sensors ensure a programmed response to any detected hazard or obstacle, stopping the machine until the obstruction has been removed.

Fleet Management



All our AGVs can be programmed to interact with your systems and infrastructure to ensure efficient, seamless, and safe operation.

Our fleet management software enables easy vehicle tracking and route optimisation as well as allowing our AGVs to interact with traffic controls, shutter doors, and other infrastructure.

Our FlatBed AGV Range

A range of FlatBed AGV machines is available. We can also design and create custom FlatBed solutions, whether you're looking for increased payload capacity or a unique unit load carrier, our team is on hand to help.



Technical Specification

Machine	FB100 AGV
Maximum load	1,000 kg
Machine length x width x height	1174mm x 820mm x 365mm*
Drive type	Electric
Braking	Regenerative
Parking brake	Electromagnetic
Drive wheel type	Solid Rubber
Drive motor power	2 x 1.5 kW
Navigation type	Natural Feature Line Follow (Optional)
Maximum slope	5°
Voltage	24 v
Noise level	Motor ≤80 dBA Flashing light ≤85 dBA Horn ≤112 dBA
Metal work finish	Powder coat paint & zinc plated
IP rating	IP44

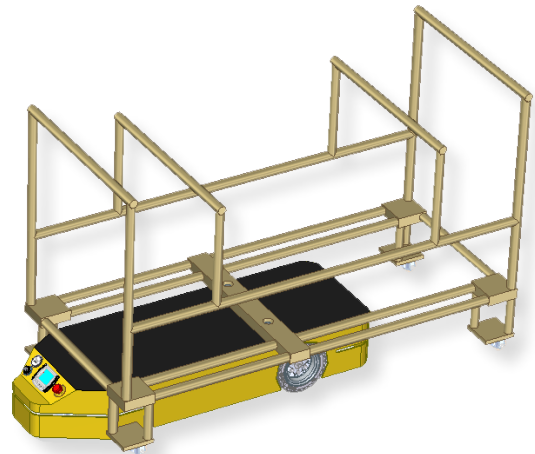
Machine	FB300 AGV
Maximum load	3,000 kg
Machine length x width x height	1500mm x 1000mm x 365mm*
Drive type	Electric
Braking	Regenerative
Parking brake	Electromagnetic
Drive wheel type	Solid Rubber Polyurethane
Navigation type	Natural Feature Line Follow (Optional)
Maximum slope	5°
Voltage	24 v
Noise level	Motor ≤80 dBA Flashing light ≤85 dBA Horn ≤112 dBA
Metal work finish	Powder coat paint & zinc plated
IP rating	IP44

Technical Specification

Machine	FB1000+ AGV
Maximum load	10,000 kg
Machine length x width x height	3500mm x 2000mm x 450mm*
Drive type	Electric
Braking	Regenerative
Parking brake	Electromagnetic
Drive wheel type	Solid Rubber Polyurethane
Navigation type	Natural Feature Line Follow (Optional)
Maximum slope	5°
Voltage	24 v
Noise level	Motor ≤80 dBA Flashing light ≤85 dBA Horn ≤112 dBA
Metal work finish	Powder coat paint & zinc plated
IP rating	IP44

Fully Customisable

Craft your FlatBed AGV to meet your needs with a range of configuration fittings available, including flat top, roller conveyor top, under lifter systems, or a completely customised solution.



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UK
CA

CE

ISO 9001

ISO 45001