

**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.


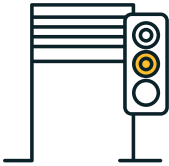
## Key Features

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  |  |
|---|--|
|  | <p>Equipped with Natural Feature navigation, the range utilises sensors and scanning systems to navigate autonomously by detecting and mapping your environment.</p> <p>The sensors ensure a programmed response to any detected hazard or obstacle, stopping the machine until the obstruction has been removed.</p>                        |
| Fleet Management  |  |
|  | <p>All our AGVs can be programmed to interact with your systems and infrastructure to ensure efficient, seamless, and safe operation.</p> <p>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.</p> |

# 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 (on castors)       | 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   |

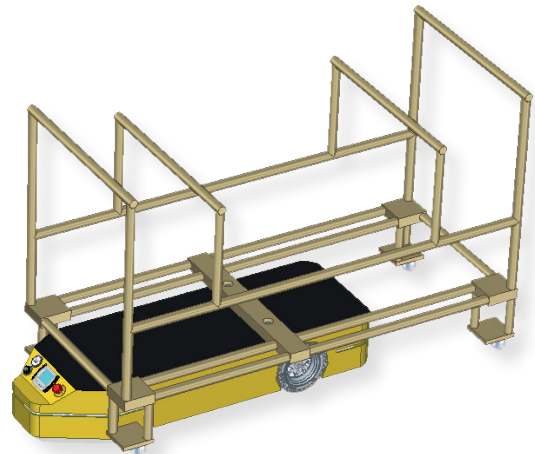
| Machine                         | FB300 AGV  |
|---------------------------------|--|
| Maximum load (on castors)       | 3,000 kg   |
| Machine length x width x height | 1500mm x 1000mm x 365mm*                               |
| Drive type                      | Electric   |
| Braking                         | 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 (on castors)       | 10,000 kg  |
| Machine length x width x height | 3500mm x 2000mm x 45mm*                                |
| 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

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ISO 9001

ISO 45001