

MasterMover®

MasterTow AGV

Towing AGV Systems



MasterTow AGV



Overview

The MasterTow AGV range is ideally suited to towing trains of carts in industrial manufacturing and logistics environments, driving greater efficiency in material handling processes. With a design focused on durability, the MasterTow AGV range is trusted by leading organisations to work in the toughest environments.

Based on our established pedestrian range of tow tugs, the MasterTow AGV range is built with the power to move the heaviest loads – and with best-in-class AGV technology, it does it day-in, day-out. With the MasterTow AGV range, you'll also benefit from a fully flexible solution with dual-use functionality, enabling your MasterTow AGV to operate as an AGV or, as a pedestrian unit when needed.

Key Features

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

- Heavy payload handling
- Natural feature navigation
- Tow multiple loads at once
- Outdoor AGVs available



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.

This system makes the MasterTow AGV range ideal for working across repeatable processes such as lineside deliveries, towing mother and daughter carts or creating pulse production lines.

GNSS Outdoor



The MasterTow AGV range is also available with GNSS navigation for safe, robust, and accurate navigation outdoors.

Receiving real-time kinematic (RTK) positioning from satellites into the AGV's receiver, our AGVs deliver pinpoint accuracy – even outside.

Technology continued

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 MasterTow AGV Range

A range of MasterTow AGVs is available. We can also design and create custom MasterTow AGV solutions to your specific requirements.



Technical Specification

Machine	TOW300 AGV
Maximum load (on castors)	3,000 kg
Machine length x width x height	1373mm x 878mm x 2439mm*
Drive type	Electric
Braking	Regenerative
Parking brake	Electromagnetic
Drive wheel type	Solid Rubber
Drive motor power	2 x 1.5 kW
Castor wheel type	Non Marking vulcanized elastic
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	IP55

Technical Specification

Machine	TOW600 AGV
Maximum load (on castors)	6,000 kg
Machine length x width x height	1373mm x 1000mm x 2439mm*
Drive type	Electric
Braking	Regenerative
Parking brake	Electromagnetic
Drive wheel type	Solid Rubber
Castor wheel type	Non Marking vulcanized elastic
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	IP55

Machine	TOW1000 AGV
Maximum load (on castors)	10,000 kg
Machine length x width x height	1500mm x 1000mm x 2439mm*
Drive type	Electric
Braking	Regenerative
Parking brake	Electromagnetic
Drive wheel type	Solid Rubber
Castor wheel type	Non Marking vulcanized elastic
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	IP55

Technical Specification

Machine	TOW1500 AGV
Maximum load (on castors)	15,000 kg
Machine length x width x height	1700mm x 1200mm x 2439mm*
Drive type	Electric
Braking	Regenerative
Parking brake	Electromagnetic
Drive wheel type	Solid Rubber
Castor wheel type	Non Marking vulcanized elastic
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	IP55

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