

MasterMover®

Worldwide Electric Tug Solutions

Master Brochure



A load moving solution for safety and efficiency

Our electric tugs are used to move loads of all weights and sizes across a broad range of industries including Manufacturing, Pharmaceutical, Food & Beverage, Retail, Logistics, Facilities and Healthcare.

MasterMover at a glance

- Broad range of machines with unrivalled performance
- UK designed and manufactured
- Designed in conjunction with CE and ISO quality standards
- Vast application experience
- Trusted by major brands globally



Safe, powerful and easy to use

MasterMover is the leading manufacturer of pedestrian operated electric tugs used to move heavy wheeled loads safely and efficiently.

All our electric tugs are designed and manufactured in the UK to meet the highest of quality standards. Our safe, powerful and easy to use machines are relied on by leading brands and organisations around the world.



Exceeding expectations

From the outset we have maintained a 100% in-house design and development team, using exceptional talent and leading-edge software to create high performance solutions.



By controlling the process end-to-end from concept to completion, our products exceed the highest standards ensuring they can deal with the toughest tasks and challenges faced in workplaces every day.



Special projects

At MasterMover, we recognise that customers' material handling needs may stretch beyond our existing product range and a custom solution is needed.



We offer design expertise to modify existing products, or build new products, to solve your specific material handling challenges. Our UK based design team uses a staged project management approach to guarantee the successful planning, installation and servicing of bespoke solutions. We'll work closely with your business throughout, to ensure a continued focus on delivering on time, on budget and as specified.

Operating Environment

	Temperature
	ATEX
	Radiation
	Ingress protection
	Clean room



Product Customisation

- 1 Remote control operation
- 2 Machine positioning & proximity detection
- 3 Designated environment behaviour
- 4 Load detection, electrical interfacing & control



Our sales partner network

North & South America

United States

MasterMover Inc
W: mastermover.us

Brazil

MasterMover
W: mastermover.br

Mexico

W: mastermover.mx

Europe

United Kingdom

MasterMover Headquarters
W: mastermover.com

France

MasterMover SARL
W: mastermover.fr

Germany

MasterMover GmbH
W: master-mover.de

Spain

W: mastermover.es

Ireland

W: mastermover.ie

Africa

South Africa

W: mastermover.co.za

Oceania

Australia

W: mastermover.au

New Zealand

W: mastermover.nz

Asia

China

W: mastermover.cn

Hong Kong

W: mastermover.hk

Singapore

W: mastermover.sg

Malaysia

W: mastermover.my

Taiwan

W: mastermover.tw

India

W: mastermover.in

South Korea


W: mastermover.kr



Trusted on a global scale



SmartMover

 Weight Performance
Up to **1,200 kg**



Compact yet powerful


Our SmartMover range is suited to all industries, including the most challenging environments or confined spaces. Using a leveraged weight transfer system and dual drive motors, this compact tug generates enough power to move loads weighing up to 1,200 kg. The coupling points are cleverly designed to attach to loads quickly whilst providing a safer, unbreakable connection. A two speed switch and an anti-crush button are also provided as standard.

Key features

- Two drive motors
- Interchangeable batteries
- Secure coupling
- Automatic braking system
- FEA tested steel chassis
- Up to 1,200 kg load capacity



All Terrain TOW

 Weight Performance
Up to **12,000 kg**



Strength in challenging environments


The MasterMover range of All Terrain TOW machines provide powerful load moving solutions where weight transfer is not possible. Our self-weighted, compact machines provide excellent traction for effortless load towing. They can be used inside or outside, including on slopes and less than perfect surfaces.

Key features

- Interchangeable batteries
- FEA test steel chassis
- Two drive motors
- Internal weight packs
- Optimised size, puncture-proof wheels
- Up to 12,000 kg load capacity



MasterTug

 Weight Performance
Up to 20,000 kg



Complete control and manoeuvrability


With capacities ranging from 2,000 kg to 20,000 kg, MasterTugs are designed for the safe handling of heavy or large wheeled loads. Our tugs utilise AC drive motors and hydraulic weight transfer to push, pull and steer loads through 180 degrees with ease. The chassis is incredibly robust and a self-levelling castor guard ensures operator safety whilst the load is moving. Other standard safety features include automatic braking when the controls are released and an additional electromagnetic brake for parking.

Key features

- Interchangeable batteries
- FEA test steel chassis
- AC drive motor
- Hydraulic weight transfer
- Self-adjusting castor guard
- Up to 20,000 load capacity



Power Steered

 Weight Performance
Up to 30,000 kg



Wireless controlled

The most powerful pedestrian electric tug offered by MasterMover is the PS3000+ which is capable of moving loads on castors up to 30,000 kg. A single operator can drive using a wireless transmitter to push, pull and manoeuvre loads aided by power steering, the only tug to boast this feature. A robust hydraulic mast and a coupling system provide maximum traction to the industrial drive wheel whilst the drive motor and side loading industrial capacity battery supply the power to move.

Key features

- Complete wireless control
- Hydraulic weight transfer
- FEA tested steel chassis
- Interchangeable batteries
- Self adjusting hydraulics
- Up to 30,000 kg load capacity



All Terrain Pusher



Push heavy loads effortlessly

Our All Terrain Pusher and MasterPusher are powerful electric load movers designed for pushing heavy loads on rails, even on uneven surfaces. The integral gearbox, AC drive motor and automatic braking system ensure immense power and complete control. An adjustable height coupling adds flexibility when working with your existing equipment.

Key features

- Interchangeable batteries
- FEA tested steel chassis
- Industrial pneumatic drive wheels
- AC drive motor
- Self-levelling support castor
- Emergency stop button



MasterHandler

Weight Performance
Up to 4,000 kg




High power and precision control

The MasterHandler range moves loads where the castors are all swivelling. It is designed to keep the travelling load straight and stop uncontrolled sideways movement. It benefits from a hydraulic coupling system that creates excellent traction. The compact machine works well in space restricted areas which allows turning within its own space. Variable speed and auto stop controls are also standard.

Key features

- 180 degree steering
- Secure coupling
- Maintenance free battery
- Automatic braking system
- FEA tested steel chassis
- Up to 4,000 kg load capacity



 Weight Performance
Up to **20,000 kg**



Quick, precise and safe trailer moving

The only pedestrian-operated machine specifically designed to move unladen articulated lorry trailers. The Trailer Moving System (TMS) connects to the fifth wheel pin, lifts the front off its stands and steers through 180 degrees effortlessly. With an industrial capacity battery and power to manoeuvre up to 20,000 kg, the TMS is safer and more effective than a diesel tractor unit.

Key features

- Interchangeable batteries
- AC drive motor
- King pin lock
- FEA tested steel chassis
- Hydraulic weight transfer
- Up to 20,000 kg trailer capacity



Multi-link

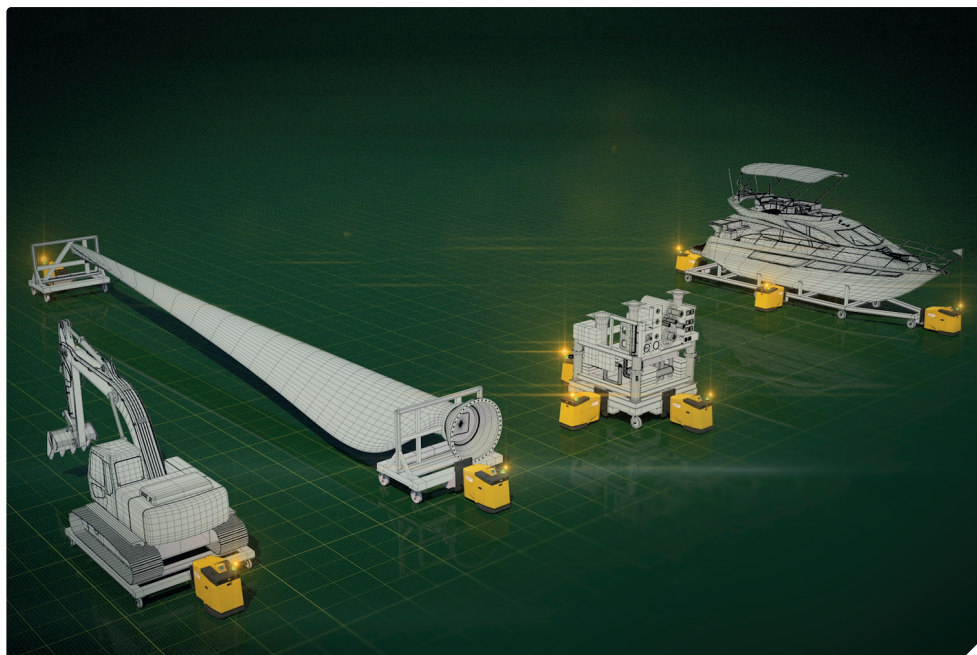
Weight Performance

2x linked tugs
Up to **60,000 kg**

4x linked tugs
Up to **120,000 kg**

8x linked tugs
Up to **240,000 kg**

12x linked tugs
Up to **360,000 kg**



Complete wireless control

Multi-link Systems by MasterMover allows a single remote operator to simultaneously control up to 12 tugs through a synchronised movement. This modular, scalable and future-proof application enables a Multi-link System of PS3000+ units to manoeuvre loads ranging from 30,000 kg to 360,000 kg. Multi-link systems ensure safe, precise and effective product manipulation leading to improved production efficiency and reduced risk of product damage.

Key features

- Complete wireless control
- Self adjusting hydraulics
- Interchangeable batteries
- FEA tested steel chassis
- Up to 360,000kg load capacity
- Link up to 12 machines



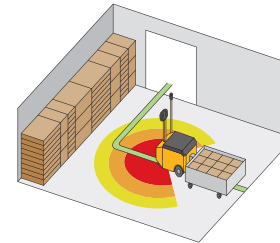
AGV Machines



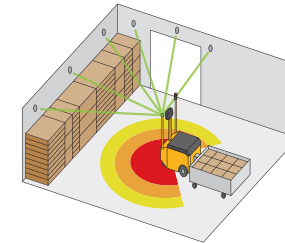
Automatic Guided Vehicle

Automated flow lines demand innovative solutions – so we've perfected the use of autonomous control technology for our new range of automatic guided vehicle (AGV) machines. Choose from floor, laser or environment guided devices with either on-board intelligence (for units operating in isolation) or centralised intelligence for co-ordinating a fleet. Automate movement of loads from 2,000 kg to 30,000 kg with no need to install any expensive fixed infrastructure. The dual-mode also allows you to switch the operator-free AGV back to a pedestrian tug if required.

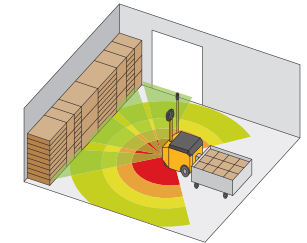
Guidance



Floor



Laser



Environment

Dispatching



On-board intelligence for units operating in isolation

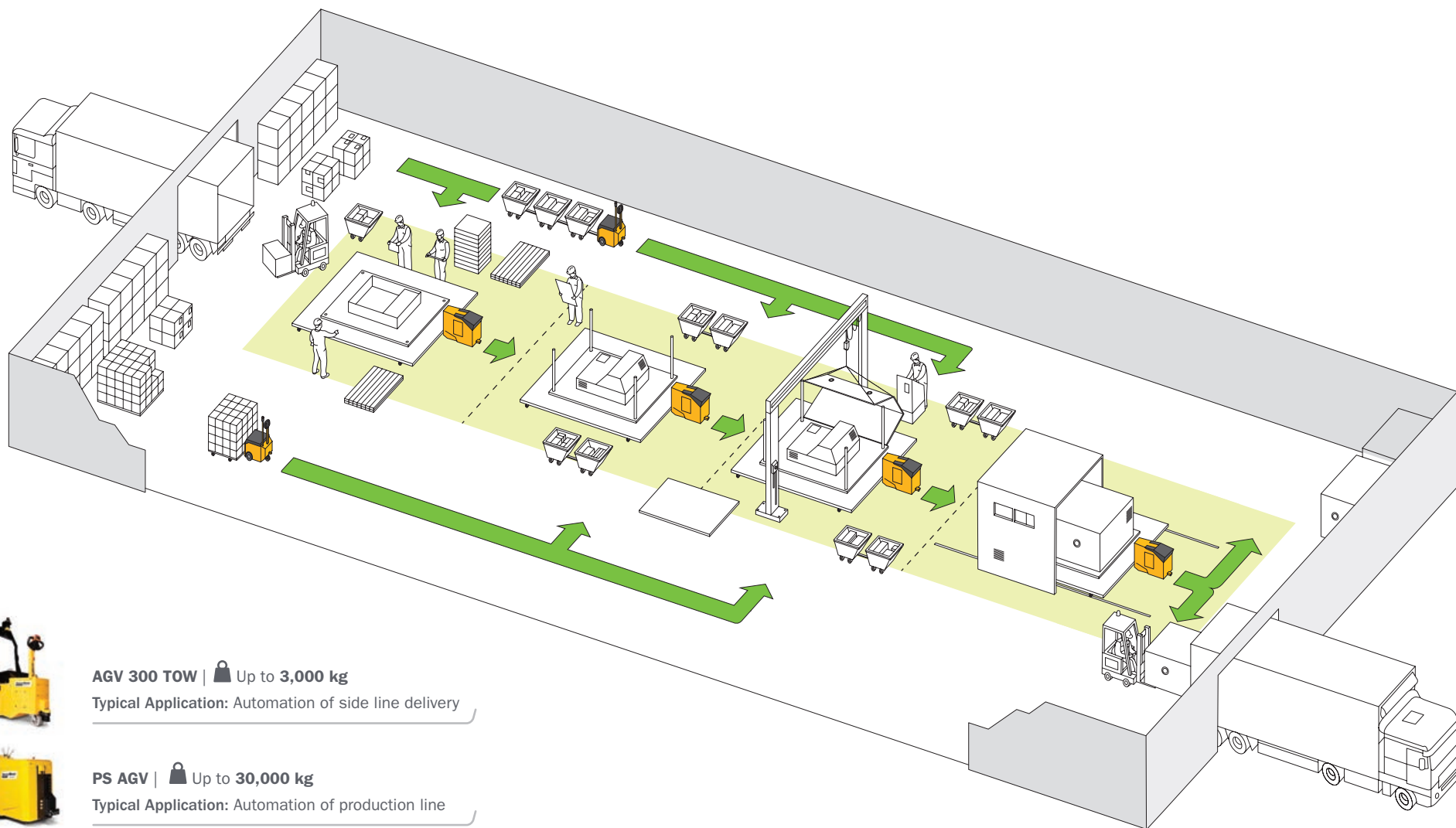


Centralised intelligence for fleet management

Designed to suit your needs

MasterMover adopts a staged project management approach to guarantee the successful design, installation and servicing of all our AGV solutions. Customer review and sign off is required at all key stages to ensure an exact fit with the specification, budget and timeframe.





Materials Handling solutions for

Manufacturing and Assembly

Manufacturers across every industrial sector rely on MasterMover pedestrian tugs thanks to their compact size, impressive power and ease of use.

Our tugs are a far safer, more efficient and flexible alternative to cranes or forklifts in busy areas where space is limited. Whether it's mobilising a flow line or the timely delivery of parts to production, MasterMover tugs ensure safe, efficient and cost-effective materials movement.



Manufacturing and Assembly



Aerospace



Automotive & Commercial Vehicles



Oil & Gas



Engines, Pumps & Generators



Chemical



Construction, Mining & Agricultural

Moving high value products safely

Pharmaceutical

A MasterMover stainless steel battery-powered tug enables one person to move a load with minimal effort. Manufactured to meet the highest industry standards, you can be assured of a perfect solution.

Moving heavy vessels or equipment in sterile pharmaceutical production environments needs to be done safely – to protect staff, and to ensure that expensive products are not contaminated or damaged. With adjustable low acceleration speeds, precision parking and total control, the benefits of a MasterMover Tug are apparent immediately.



Controlling loads on wet surfaces

Food and Beverage

Food and beverage production lines have numerous hazards when heavy loads on wheels need to be moved including slippery floors, contamination risk and lack of space.

Whether equipment or vats are being moved, ingredients or products need to be taken to or from the line, or the line itself needs to be reconfigured, MasterMover tugs meet the challenge. Now one person can fully control and brake the load in constricted spaces. The tug can also be fully washed down after use.



Maximising limited space in

Warehouse and Storage

Modern storage and warehousing facilities are using MasterMover tugs to create new and innovative ways to enhance their service.

MasterMover tugs improve picking rates, and make more effective use of expensive space. Electric pedestrian tugs are a cost-effective and safe alternative to traditional forklift trucks or manual labour when moving loads in a warehouse. Narrow aisles, awkward shaped items that won't fit on racking and heavily laden cages are no longer a problem.



Improving safety in

Retail and Logistics

From the movement of goods in, out and around busy distribution centres to the final delivery into shops and retail units, MasterMover tugs remove risk.

MasterMover material handling tugs are a reliable and efficient load moving solution. Loaded cages are difficult to control when moved manually, particularly over longer distances, uneven surfaces, obstacles or slopes. MasterMover tugs move and brake the load safely, removing toppling risks, damage and health and safety concerns.



A safe way to be efficient

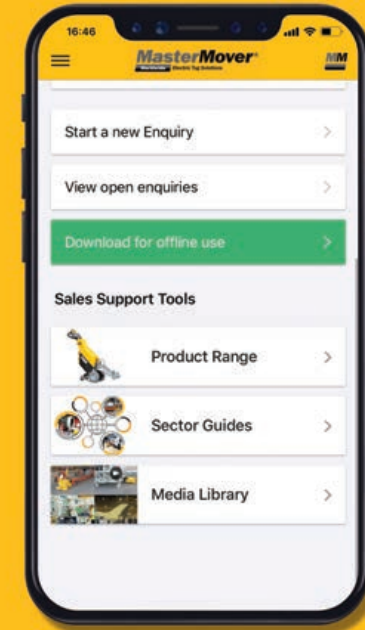
Healthcare

MasterMover electric tugs help to relieve the strain on valuable resources in healthcare.

The safe and efficient movement of equipment, catering supplies, linen, waste and medical records is vital – however it can be difficult in a busy hospital full of staff, patients and visitors. Ride on tugs are a risk to pedestrians; roll along cages are difficult to control; MasterMover powered tugs move all of these loads safely and enable porters to work faster and more effectively.

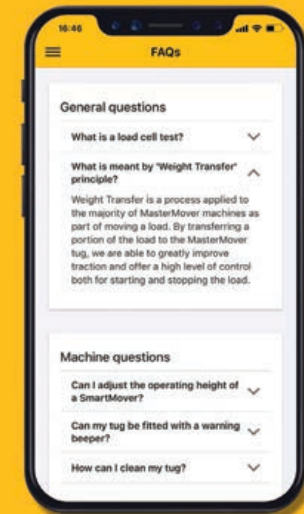
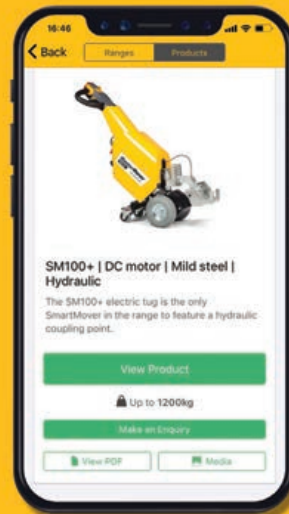


MasterMover App



Download the MasterMover App to access the following:

- Technical data for each MasterMover machine
- See examples of applications in your sector
- An easy to use evaluations form to find the right machine for the job
- Downloadable MasterMover brochures
- Technical assistance and FAQs
- A convenient way to send us your enquiry



Aftersales support

MasterMover and its global network of sales partners offer customers an after-sales support service giving your complete peace of mind wherever you are in the world.



We recommend regular maintenance for your MasterMover machine to keep it functioning properly and operating safely throughout its life. Every tug comes with a 12-month warranty.

The benefits of a service contract:

- Saving on callout fees, labour and parts
- Easier to budget for maintenance costs
- Ensure your MasterMover machine stays in good working order

Certified Operator Training

At MasterMover we believe regular training ensures you will get the most out of your equipment and also ensures correct operation. We recommend your operators have refresher training every two years.

Genuine MasterMover Parts

Our parts are specific to your model of MasterMover and they provide superior quality. By using genuine MasterMover parts, you can be assured that your machine will be restored to the exacting standards it met when being manufactured. MasterMover can supply spare parts either through our Headquarters in the UK or via dedicated spares stores around the world.

Tech Support

Whether you have a question or a concern about your machine, our dedicated technical support will help you solve any issues and find the right solution.

For online parts and technical support, go to:

www.mastermover.com/service-and-support

Find out more

Contact us today to find out which electric tug from MasterMover can help to improve efficiency and safety in your workplace.



MasterMover®
Worldwide Electric Tug Solutions

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