

MasterMover®

Compact Range

Compact electric tugs and tows to
achieve powerful, precise movements
of loads up to 6,000kg



Discover safer material handling

Streamline your material handling processes with our Compact electric tugs and tows. Designed to deliver the safe, controlled movement of loads up to 6,000kg, businesses across industrial manufacturing, retail and logistics trust MasterMover electric tugs to improve safety and efficiency.

Eliminating manual handling and reducing the risk of injuries in the movement of loads, our Compact electric tugs empower a single operator to move heavy loads with complete confidence.

Boasting innovative designs, electric tugs and tows enable the seamless movement of loads in the tightest of spaces, delivering maximum manoeuvrability and control. An effective alternative to traditional material handling equipment, electric tugs do not require a license to operate, driving operational efficiency and productivity.



What is an electric tug?



Electric tugs are a type of material handling equipment designed to move heavy-wheeled loads.

How do they work?

Featuring a license-free operation, electric tugs keep loads safely on the ground. They utilise two key methods to generate traction and in turn, the ability to move heavy loads.

How are they powered?

Electric tugs are 100% battery powered and different power options are available depending on your requirements. Options range from interchangeable maintenance-free battery systems to lithium options for high-intensity environments.

What types are available?

Electric tugs are available as pedestrian operated, remote control or even as fully autonomous solutions (AGV).

How to they connect to a load?

Electric tugs are available with a range of coupling options to achieve a safe, secure and robust connection between the machine and the load.

The benefits of electric tugs



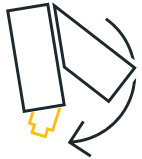
Powerful movement

Safe movement of loads up to 6,000kg



24/7 operation

Interchangeable batteries for 24/7 operation



Precision control

Precise movement of heavy loads in tight spaces



Durability

Outstanding reliability and durability



Improved safety

Safe and secure transportation of equipment



Zero emissions

Supporting sustainability and net-carbon targets



Reduce risk

Eliminate manual handling



No operator license

Reduce downtime and process disruption



Manoeuvrability

Small, compact machine footprint



Secure connections

Extensive coupling options to facilitate safe connection

SmartMover

Compact Machines, Powerful Movements

Easily move wheeled loads weighing up to 2,000kg with the SmartMover range. Delivering effortless pushing, pulling, and steering, the SmartMover improves safety, removes manual handling and drives operational efficiency.

With robust yet simple coupling systems, the SmartMover range ensures loads are secure and gives operators complete control – even on slopes. Safety-focused, SmartMover electric tugs feature anti-crush functionality, emergency stop, variable speed settings and intuitive controls to keep operators, loads and equipment safe.

Benefit from versatility with various coupling options available, including a hydraulic clamp that delivers total load security.



Key Features

Safety

- Audible horn, flashing beacon, performance monitoring and emergency stop
- Intuitive parking brake stops loads, even on slopes
- Multiple speed settings for maximum control

Performance

- Two high-powered motors for consistent performance
- 180° steering angle provides precise handling
- Powerful performance both indoors, outdoors and on slopes

Power

- Interchangeable, maintenance-free batteries for 24/7 operation
- Power display for real-time data
- Smart charging system to maximum battery longevity

Connection

- Secure and easy-to-use coupling options, including hydraulics
- Variable coupling options for maximum flexibility
- Custom couplings available

Technical Specification

Machine	SM100 TOW	LM100	SM100+	SM200+
Maximum load (on castors)	500 kg	1,000 kg	1,200 kg	2,000 kg
Maximum push force	981 N	981 N	1,079 N	1,570 N
Maximum pull force	981 N	981 N	1,079 N	1,570 N
Combined machine and battery weight	125 kg	70 kg	79 kg	149 kg
Maximum slope	10°	30°	30°	10°
Battery (Based on standard option)				
Maximum distance per charge	15.1 km	9.3 km	7.7 km	4.2 km
Charge time (External charger)	4 hrs 30 mins	4 hrs 30 mins	4 hrs 30 mins	5 hrs 30 mins
Charge time (Internal charger)	n/a	n/a	n/a	n/a



MasterHandler

Precise Control for Tight Movements



The MasterHandler range is specifically designed to deliver the controlled movement of loads weighing up to 4,000kg that are fitted with all-swivelling castors.

Featuring a unique design centred around delivering maximum control, the MasterHandler enables operators to easily steer and position heavy loads that ordinarily would be difficult to move in a controlled way. With adjustable support legs available to deliver a controlled fixed point, the MasterHandler can provide a turnkey solution to the movement of loads with all swivelling castors.

The MasterHandler has a compact machine footprint and is ideal for use in confined areas, facilitating safe and precise movements where space is at a premium. The range uses an array of hydraulic coupling options to deliver consistent performance and guarantee load security.



Key Features

Safety

- Flashing safety light, audible horn, emergency stop and anti-crush button
- Speed control with optional two-speed selector switch
- Secure coupling for attachment to loads

Performance

- Designed to deliver complete control when moving loads with all-swivel castors
- A compact machine footprint provides a tight turning circle for space-restricted areas
- Powerful and optimised hydraulics ensure a smooth and secure connection

Power

- Powerful AC motor optimises both speed and power, enabling powerful movement of loads up to 4,000kg
- Adaptable motor able to operate at slow and fast speeds and different acceleration rates
- High-performance AGM maintenance free battery

Connection

- Secure coupling options to suit various trolley designs
- Optimised couplings to deliver maximum performance through weight transfer
- Adjustable support legs deliver maximum steering control designed around your load
- Custom coupling designs

Technical Specification

Machine	MH400+
Maximum load (on castors)	4,000 kg
Maximum push force	3,924 N
Maximum pull force	3,924 N
Combined machine and battery weight	Custom
Maximum slope	7°
Battery (Based on standard option)	
Maximum distance per charge	9.2 km
Charge time (External charger)	5 hrs 30 mins



AllTerrain

Powerful Performance in Demanding Conditions



The AllTerrain range enables the safe movement of heavy-wheeled loads weighing up to 5,000kg. Featuring an intuitive design, this range enables a single operator to easily push and pull loads with little effort. With a design focused on durability and performance even in tough environments, the AllTerrain range can work outside on rough flooring and on slopes.

The AllTerrain range is suited to move heavy loads on both castors and rails. With a range of couplings available, units can be used as plug-and-play pushers or to push, pull and steer heavy loads.

An optional remote control system is available to improve visibility and ease of pushing and pulling heavy loads during linear movements. An adjustable coupling height makes the range easy to integrate with existing systems and equipment.



Key Features

Safety

- Audible horn, flashing safety light, anti-crush button and emergency stop button
- Speed control with optional
- two-speed selector switch
- Optional remote control for maximum visibility on linear movements

Performance

- Heavy-duty industrial units able to work on rough terrain
- Puncture-proof, non-marking drive wheels able to gain traction on rough floor surfaces
- Durable design suited for working in the toughest of environments

Power

- Powerful AC motor optimises both speed and power
- Adaptable motor able to operate at slow and fast speeds and different acceleration rates
- High-performance AGM maintenance-free batteries

Connection

- Range of coupling options suited to moving loads on rails and castors
- Custom coupling designs available for specialist needs
- Secure bolt-on couplings for applications requiring controlled, powerful pulling movements
- Plug-and-play coupling options to push heavy wheeled loads

Technical Specification

Machine	ATT400	ATP400	MP400
Maximum load (on castors)	5,000 kg	5,000 kg	5,000 kg
Maximum push force	3,924 N	3,924 N	3,924 N
Maximum pull force	3,433 N	3,433 N	-
Combined machine and battery weight	338 kg	284 kg	263 kg
Maximum slope	10°	10°	15°
Battery (Based on standard option)			
Maximum distance per charge	12.1 km	12.1 km	13.4 km
Charge time (External charger)	8 hrs 15 mins	8 hrs 15 mins	7 hrs 30 mins
Charge time (Internal charger)	8 hrs 15 mins	8 hrs 15 mins	7 hrs 30 mins



MasterTow

Compact Tows for Maximum Performance



The MasterTow range of powerful, easy-to-use electric tow tugs, is ideally suited to towing loads weighing up to 6,000kg. The range uses its own weight to deliver consistent traction, enabling the effortless movement of loads both inside, outside and on slopes.

Boasting intuitive operator controls and safety built-in as standard, the range provides operators with complete control when moving heavy loads. With a simple and effective coupling system, the MasterTow range guarantees load security and is perfectly suited to moving individual and multiple loads linked together.

Take advantage of innovative technology with Electric Steer (ES), available from the TOW600 ES upwards. With Electric Steer, benefit from instantaneous steering and added performance in adverse conditions. The MasterTow range is available with Remote Control, for maximum operator visibility, and Autonomous (AGV) solutions for maximum ROI, safety and efficiency.



Key Features

Safety

- Audible horn, flashing light beacon, and emergency stop
- Multiple speed settings for complete control
- Machine crawl coupling assist available for easy connection

Performance

- Powerful performance delivers high torque even at low speeds
- Optimised weight distribution for guaranteed traction
- Start, move and stop movement on slopes

Power

- High performance, interchangeable batteries for 24/7 operation
- Optional Battery Protection System maximises battery life
- Lithium batteries available

Connection

- Easy and universal coupling options
- Lockable couplings to keep loads secure
- Variety of coupling options available

Technical Specification

Machine	TOW200	TOW300	TOW600	TOW600 ES
Maximum load (on castors)	2,000 kg	3,000 kg	6,000 kg	6,000 kg
Maximum push force	785 N	1,177 N	2,354 N	2,354 N
Maximum pull force	1,177 N	1,765 N	3,530 N	3,530 N
Combined machine and battery weight	375 kg	375 kg	607 kg	627 kg
Maximum slope	10°	10°	10°	10°
Battery (Based on standard option)				
Maximum distance per charge	16.6 km	11.8 km	8.5 km	8.5 km
Charge time (External charger)	5 hrs 30 mins	5 hrs 30 mins	7 hrs 30 mins	7 hrs 30 mins
Charge time (Internal charger)	5 hrs 30 mins	5 hrs 30 mins	5 hrs 45 mins	5 hrs 45 mins



MasterTug

Consistent Performance and Manoeuvrability



The MasterTug range delivers unrivalled manoeuvrability when moving heavy-wheeled loads weighing up to 6,000kg. Utilising a unique weight transfer principle, the MasterTug range can move heavy weights whilst retaining an incredibly compact machine footprint. The design makes the MasterTug range perfect for working in confined spaces and facilitating precise movements.

With ergonomic controls, lightweight steering and an intuitive design, MasterTug takes the strain and empowers an operator to move heavy loads with complete control. A secure coupling system maximises load security and performance, guaranteeing total peace of mind.

The powerful performance of the MasterTug allows operators to push, pull and steer loads inside, outside and on slopes with complete control.



Key Features

Safety

- Audible horn, flashing safety light, emergency stop button and anti-crush button
- Speed control with an optional two-speed selector switch for maximum control
- Complete load security

Performance

- Powerful weight-moving capabilities through weight transfer
- Start, move and stop movement on slopes
- Optimised hydraulics guarantee a smooth connection and movement

Power

- AC motor optimises speed and power
- Slide out, interchangeable batteries deliver 24/7 performance
- An optional Battery Protection System maximises longevity

Connection

- Secure coupling system delivers controlled movement of loads
- Unique mast design enables operators to connect to loads at different heights
- CombiCoupling, BoxCoupling and custom coupling options available

Technical Specification

Machine	MT200	MT300+	MT400+	MT600+
Maximum load (on castors)	2,000 kg	3,000 kg	4,000 kg	6,000 kg
Maximum push force	1,373 N	2,060 N	2,747 N	4,120 N
Maximum pull force	1,373 N	2,060 N	2,747 N	4,120 N
Combined machine and battery weight	222 kg	285 kg	316 kg	337 kg
Maximum slope	8°	8°	8°	8°
Battery (Based on standard option)				
Maximum distance per charge	10.6 km	11.7 km	12.2 km	8.4 km
Charge time (External charger)	3 hrs 45 mins	5 hrs	7 hrs	7 hrs
Charge time (Internal charger)	3 hrs 45 mins	5 hrs	7 hrs	7 hrs

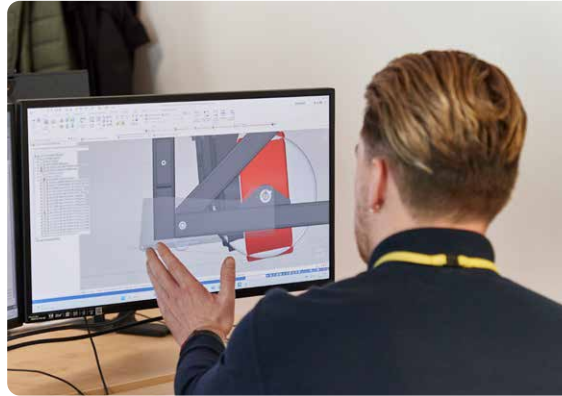


Our services



Service

We have a range of support options in place to keep your electric tug in optimum condition. With expert in-house support, you'll have the confidence knowing that we're here to help wherever you are in the world. Fast, expert support is on-hand to help with questions, diagnostics, approved parts and warranty support.



Custom Solutions

Recognising that every material handling requirement is different, our in-house Customer Engineering team is equipped to create custom solutions centred around your specific requirements. If you need a custom solution, you're in safe hands with MasterMover.



Approved Parts

Manufacturer-approved parts for quality assurance. By using genuine MasterMover parts, you benefit from guaranteed compatibility and superior quality, maximising your electric tug's service life and performance.

Compact range solutions in action...

If you'd like to see and explore how our compact range solutions could benefit your operation, talk to us about:

- A visit to an existing customer
- A demonstration at MasterMover
- An on-site demonstration

Get in touch with our team today...

mastermover.com



About us

Compact solutions
to safely and
efficiently move
products, equipment
and materials.

MasterMover material handling solutions
help people easily move heavy or large
loads, while improving safety and
operational efficiency in organisations
around the world.

MasterMover®



Engineered
innovation.
Performance
guaranteed.

MasterMover®