

**MasterMover<sup>®</sup>**

# Compact Range

Compact electric tugs and tows  
for powerful, precise movement  
of loads up to 3,000kg

Compact +



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# Safer material handling

Streamline your material handling processes with our **Compact** electric tugs and tows. Designed for safer, controlled movement of loads up to 3,000kg, businesses across industrial manufacturing, retail, and logistics trust MasterMover electric tugs to improve safety and efficiency.

Eliminating manual handling and reducing risk of injury during load movement, our **Compact** electric tugs allow a single operator to move heavy loads with total confidence.

With a compact footprint, our electric tugs and tows make it easy to manoeuvre and position awkward loads in the tightest spaces. An effective alternative to traditional material handling equipment, electric tugs do not require a licence to operate, boosting operational efficiency and productivity.

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# What is an electric tug?

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



## How do they work?

With no licence needed, electric tugs keep loads safely on the ground. To generate traction, they either use our unique weight transfer principle or the weight of the machine itself, allowing the heaviest loads to be moved easily.

## How are they powered?

Electric tugs are 100% battery powered, with different power options available depending on your requirements: from interchangeable maintenance-free battery systems to lithium options for high-intensity workflows.

## What control types are available?

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

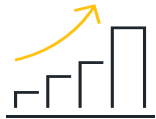
## How do tugs connect to a load?

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

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# Electric tug benefits



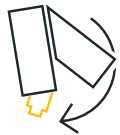
## Powerful movement

Safe movement of loads up to 3,000kg



## 24/7 operation

Interchangeable batteries for 24/7 operation



## Precision control

Precise movement of heavy loads in tight spaces



## Durability

Unmatched durability in the toughest environments



## Improved safety

Safe and secure movement of loads



## Zero emissions

Supporting sustainability and net-carbon targets



## Reduce risk

Eliminate manual handling



## No operator licence

Reduce downtime and process disruption



## Manoeuvrability

Small, compact machine footprint



## Secure connections

Extensive coupling options for safe, secure connection

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# SmartMover

Compact machines, powerful movement

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

With robust yet simple coupling systems, the SmartMover series 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.

For maximum versatility, there are various coupling options available, including a hydraulic clamp for 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

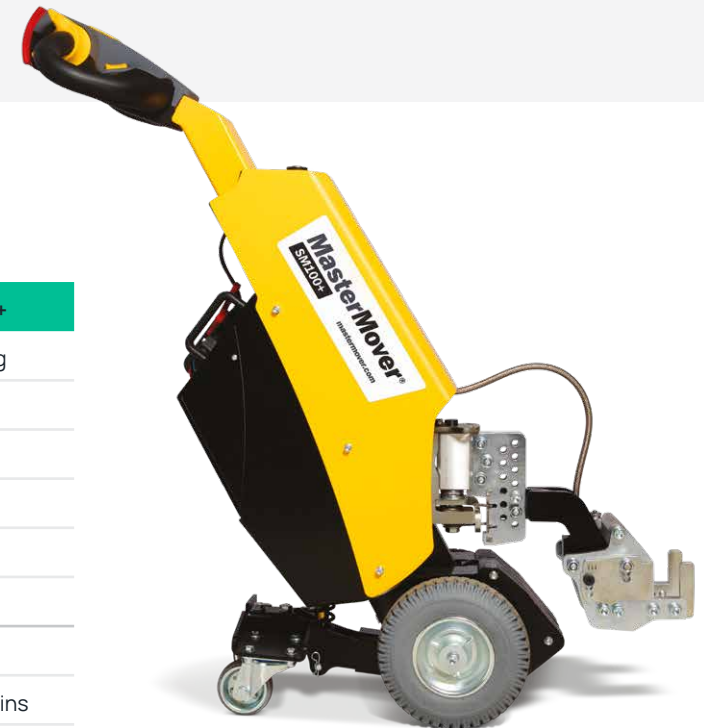
- Interchangeable, maintenance-free batteries for 24/7 operation
- Power display for real-time data
- Smart charging system to maximise battery longevity

## Connection

- Secure and easy-to-use coupling options, including hydraulics
- Various 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°
<b>Battery (Based on standard option)</b>				
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



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# MasterTug

Consistent performance and manoeuvrability



The compact MasterTug series provides unrivalled manoeuvrability when moving heavy-wheeled loads weighing up to 3,000kg. Using a unique weight transfer principle, the MasterTug series can move heavy weights whilst retaining an incredibly compact machine footprint. The design makes the MasterTug series perfect for precise movements in confined spaces.

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

MasterTug's powerful performance allows operators to push, pull, and steer loads with complete control whether indoors, outdoors, or even on slopes.



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# 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+
Maximum load (on castors)	2,000 kg	3,000 kg
Maximum push force	1,373 N	2,060 N
Maximum pull force	1,373 N	2,060 N
Combined machine and battery weight	222 kg	285 kg
Maximum slope	8°	8°
<b>Battery (Based on standard option)</b>		
Maximum distance per charge	10.6 km	11.7 km
Charge time (External charger)	3 hrs 45 mins	5 hrs
Charge time (Internal charger)	3 hrs 45 mins	5 hrs



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# MasterTow

Compact tows for maximum performance

The compact MasterTow series of powerful, easy-to-use electric tow tugs is ideally suited to towing loads weighing up to 3,000kg. The machines use their own weight for consistent traction and effortless movement of loads whether indoors, outdoors, or even on slopes.

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

Benefit from advanced control options with remote control for maximum operator visibility, and autonomous (AGV) solutions for maximum ROI and accurate repeatability.



# 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
Maximum load (on castors)	2,000 kg	3,000 kg
Maximum push force	785 N	1,177 N
Maximum pull force	1,177 N	1,765 N
Combined machine and battery weight	375 kg	375 kg
Maximum slope	10°	10°
<b>Battery (Based on standard option)</b>		
Maximum distance per charge	16.6 km	11.8 km
Charge time (External charger)	5 hrs 30 mins	5 hrs 30 mins
Charge time (Internal charger)	5 hrs 30 mins	5 hrs 30 mins



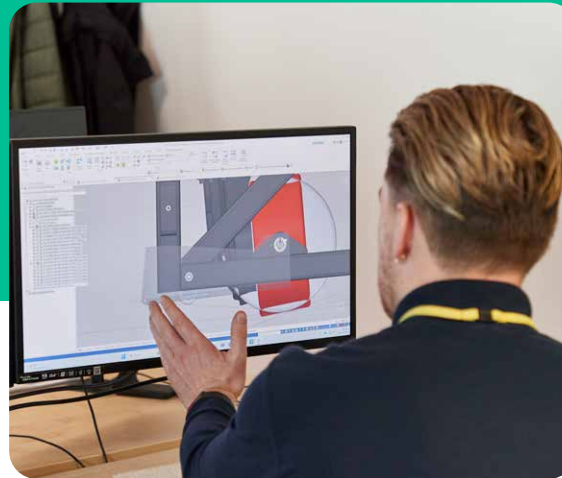
# Our services



## Servicing & maintenance

Keep your electric tugs moving with planned maintenance to prevent downtime and protect your investment by extending machine life.

With flexible servicing packs, our service engineers provide scheduled maintenance and safety checks, backed by lifetime technical support and guaranteed parts delivery.



## 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.

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# Compact Range solutions in action

Want to explore how our **Compact Range** of electric tug solutions could work for your site? Talk to us about:

- Visiting an existing customer
- Product demonstrations at MasterMover
- Arranging an on-site demonstration

Get in touch with our team today  
[mastermover.com](http://mastermover.com)



Engineered  
innovation.  
Performance  
guaranteed.

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