

MasterMover[®]

Performance Range

Heavy-duty tows and tuggers make it
easy to move loads **up to 154,000 lbs.**

Performance ++



Performance ++

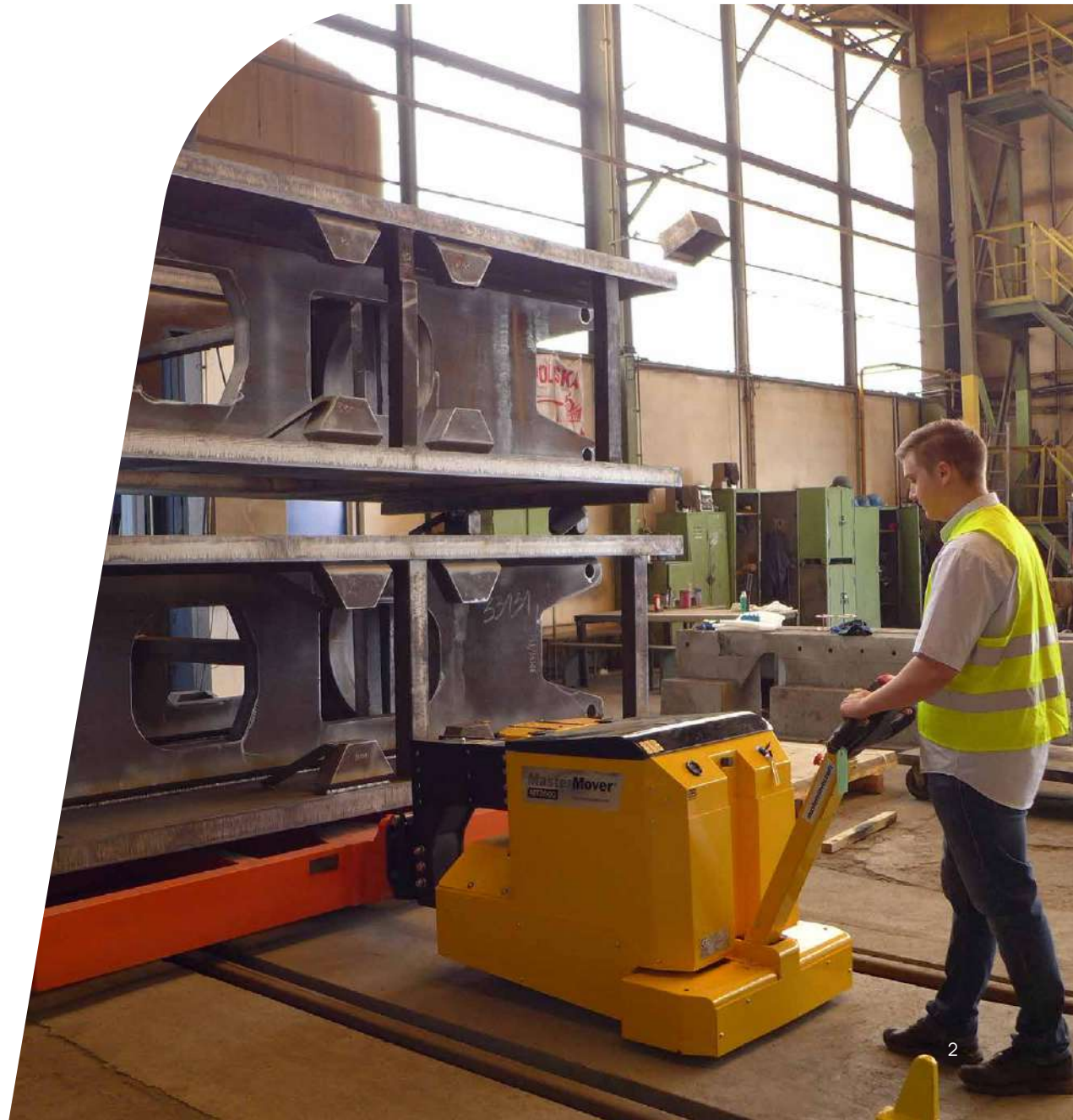
Safer material handling

With unmatched manoeuvrability of loads weighing up to 154,000 lbs., our **Performance** electric tuggers offer a compact, flexible, and more reliable alternative to traditional material handling equipment.

Highly durable and built with industrial manufacturing in mind, our powerful **Performance** tow tuggers allow a single operator to move loads weighing between 6,600 lbs. and 154,000 lbs. with a single machine.

For controlled movement of the heaviest loads, this range improves safety by reducing reliance on lifting equipment, and with no operator license needed, you can also reduce downtime and boost productivity.

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What is an electric tugger?

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



How do they work?

With no license needed, electric tuggers 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 tuggers 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 tuggers are available as pedestrian-operated, remote control, or even as fully autonomous solutions (AGV).

How do tuggers connect to a load?

Electric tuggers 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 tugger benefits



Powerful movement

Safe movement of loads up to 154,000 lbs.



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 license

Reduce downtime and process disruption



Maneuverability

Small, compact machine footprint



Secure connections

Extensive coupling options for safe, secure connection

Performance ++

AllTerrain

Powerful performance in demanding conditions

The AllTerrain series makes it safe and easy for a single operator to move heavy, wheeled loads weighing up to 11,000 lbs. on castors and up to 176,000 lbs. for loads on rails. Built for durability and performance in the toughest environments, the AllTerrain series can work outside, on rough flooring, and on slopes.

The AllTerrain series is suitable for moving heavy loads on both castors and rails. With a range of coupling options available, units can be used as plug-and-play pushers or to pull and steer heavy loads.

An optional remote control system is available to maximize visibility for operators and make it even easier to push and pull heavy loads, whilst the height-adjustable couplings make it easy to integrate with existing systems and equipment.



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Key features

Safety

- Warning 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 optimizes both speed and power
- Adaptable motor able to operate at slow and fast speeds and different acceleration rates
- High-performance AGM maintenance-free batteries
- Ideal for use with loads on castors or rails

Connection

- Range of coupling options suited to moving loads on rails and castors
- Custom coupling designs available for special 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 on rails)	11,000 lbs. 176,000 lbs.	11,000 lbs. 176,000 lbs.	11,000 lbs. 176,000 lbs.
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	745 lbs.	626 lbs.	535 lbs.
Maximum slope	10°	10°	15°
Battery (Based on standard option)			
Maximum distance per charge	7.5 miles	7.5 miles	8.3 miles
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



Performance ++

MasterHandler

Compact power, zero drift

MasterHandler is our most compact, configurable electric tugger series for space-constrained operations and difficult-to-control loads. A modular stabilizing leg slides under the load to eliminate drift and create a control point, for precise movement of loads with a full swivel or mixed castor set-up.

Upgrade your MasterHandler to the Electric Steer model to unlock advanced control options. From remote control to innovative multi-machine synchronization as well as automation, for even more precision and visibility when moving long or heavy loads.

With an adjustable leg system and interchangeable batteries, MasterHandler adapts to any load fast and keeps working around the clock. If space or stability is an issue, then our compact-footprint MasterHandler is the solution.



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

- Unbeatable maneuverability for difficult-to-control loads in tight spaces
- Prevent loads from drifting during movement
- Powerful, optimized hydraulics ensure a smooth and secure connection

Power

- Powerful AC motor optimises both speed and power, to move loads up to 13,000 lbs.
- Interchangeable, maintenance-free batteries for 24/7 machine operation
- Adaptable motor operates at different speeds and acceleration rates as needed

Connection

- Secure coupling options to suit various trolley designs
- Optimized couplings for maximum performance through weight transfer
- Adjustable leg system creates solid control point beneath the load to eliminate drift

Technical specification

Machine	MH400+	MH600+
Maximum load (on castors on rails)	8,800 lbs. 35,200 lbs.	13,200 lbs. 52,000 lbs.
Maximum push force	617 lbs.	926 lbs.
Maximum pull force	617 lbs.	926 lbs.
Combined machine and battery weight*	880 lbs. 922 lbs.	880 lbs. 922 lbs.
Maximum slope	8°	8°
Battery (Based on standard option)		
Maximum distance per charge*	5.5 6.4 miles	3.9 4.6 miles
Charge time (External charger)	7hr 8hr 10 (15A) or 5hr 30 6hr 30 (20A)	7hr 8hr 10 or 5hr 30 6hr 30
Charge time (Internal charger)	7hrs 8hr 10	7hrs 8hr 10



Performance ++

MasterTug

Consistent performance and maneuverability

The MasterTug series provides unrivaled maneuverability when moving heavy-wheeled loads weighing up to 44,000 lbs. 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 maximizes 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.



Key features

Safety

- Warning 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
- Optimized hydraulics guarantee a smooth connection and movement

Power

- AC motor optimizes speed and power
- Slide out, interchangeable batteries deliver 24/7 performance
- An optional Battery Protection System maximizes 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 connection options available



Technical specification

Machine	MT400+	MT600+	MT800+	MT1000+	MT1200+	MT1500+	MT2000+
Maximum load (on castors)	8,800 lbs.	13,200 lbs.	17,600 lbs.	22,000 lbs.	26,400 lbs.	33,000 lbs.	44,000 lbs.
Maximum push force	2,747 N	4,120 N	5,492 N	6,865 N	8,238 N	10,297 N	13,729 N
Maximum pull force	2,747 N	4,120 N	5,492 N	6,865 N	8,238 N	10,297 N	13,729 N
Combined machine and battery weight	696 lbs.	742 lbs.	1,082 lbs.	1,082 lbs.	1,082 lbs.	1,082 lbs.	1,567 lbs.
Maximum slope	8°	8°	8°	8°	8°	8°	8°
Battery (Based on standard option)							
Maximum distance per charge	7.6 miles	5.2 miles	7.3 miles	5.9 miles	5 miles	4 miles	3.2 miles
Charge time (External charger)	7 hrs	7 hrs	6 hrs	6 hrs	6 hrs	6 hrs	7 hrs
Charge time (Internal charger)	7 hrs	7 hrs	9 hrs	9 hrs	9 hrs	9 hrs	10 hrs 15 mins

Performance ++

MasterTow

Powerful movement in challenging conditions

The MasterTow series of powerful, easy-to-use electric tow tuggers is ideally suited to towing loads weighing up to 44,000 lbs. The range uses its own weight to deliver consistent traction for effortless movement of loads whether indoors, outdoors, or even on slopes.

With intuitive operator controls and safety built-in as standard, the MasterTow series gives operators complete control when moving heavy loads. A simple yet robust coupling system guarantees load security during movement, allowing multiple loads to be linked and moved at once.

Benefit from advanced control options with our Electric Steer (ES) models to add on remote control for improved operator visibility and autonomous (AGV) solutions for maximum ROI and accurate repeatability.



Key features

Safety

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

Performance

- Powerful performance delivers high torque even at low speeds
- Optimized 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 maximizes 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	TOW600	TOW600 ES	TOW800 ES	TOW1000 ES	TOW1200 ES	TOW1500 ES	TOW2000 ES
Maximum load (on castors)	13,000 lbs.	13,000 lbs.	17,600 lbs.	22,000 lbs.	26,400 lbs.	33,000 lbs.	44,000 lbs.
Maximum push force	2,354 N	2,354 N	3,138 N	3,923 N	4,707 N	5,884 N	7,845 N
Maximum pull force	3,530 N	3,530 N	4,707 N	5,884 N	7,061 N	8,826 N	11,768 N
Combined machine and battery weight	1,338 lbs.	1,382 lbs.	1,589 lbs.	2,261 lbs.	2,460 lbs.	2,991 lbs.	4,246 lbs.
Maximum slope	10°	10°	10°	8°	8°	8°	8°
Battery (Based on standard option)							
Maximum distance per charge	5.3 miles	5.3 miles	4.7 miles	6.3 miles	5.3 miles	4.3 miles	3.7 miles
Charge time (External charger)	7 hrs 30 mins	7 hrs 30 mins	8 hrs 30 mins	7 hrs 30 mins	7 hrs 30 mins	7 hrs 30 mins	8 hrs 30 mins
Charge time (Internal charger)	5 hrs 45 mins	5 hrs 45 mins	6 hrs 30 mins	10 hrs 30 mins	10 hrs 30 mins	10 hrs 30 mins	8 hrs 30 mins

Performance ++

Trailer Moving System

Unlock safer, more efficient trailer movement

The Trailer Moving System is specifically designed to move unladen trailers weighing up to 44,000 lbs. From semi-trailers to flatbeds and low loaders, the TMS series of electric tuggers allow effortless movement of heavy trailers indoors, outdoors, and on slopes.

Featuring a universal kingpin connection, the Trailer Moving System connects securely to any commercial trailer. Once securely attached, the TMS safely raises one end of the trailer off the ground to allow full range of movement.

Fully electric and license-free, the Trailer Moving System prevents bottlenecks during load movement for distribution depots and manufacturers. With intuitive operator controls and safety built-in as standard, the TMS series gives operators complete control when moving heavy trailers. The machine's compact footprint maximizes visibility and allows operators to easily maneuver even in the tightest spaces.

An optional air compressor is also available to control the trailer's brakes directly from the electric tugger.

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Key features

Safety

- Warning horn, flashing light beacon, and emergency stop
- Multiple speed settings for complete control
- Anti-crush system

Performance

- Powerful movement of trailers weighing up to 44,000 lbs.
- Consistent performance inside, outside and on slopes
- Optional air compressor to engage trailer brakes

Power

- Emissions-free operation
- High performance, maintenance-free batteries
- Battery discharge indicator for real-time battery status

Connection

- Utilizes industry-standard kingpin connection
- Secure locking system guarantees total load security
- Powerful hydraulic kingpin lift system

Technical specification

Machine	TMS1100+	TMS2000+
Maximum load (on castors)	24,200 lbs.	44,000 lbs.
Maximum push force	14,715 N	19,129 N
Maximum pull force	14,715 N	19,129 N
Combined machine and battery weight	847 kg	2,432 lbs.
Maximum slope	7°	7°
Battery (Based on standard option)		
Maximum distance per charge	5.2 miles	3.9 miles
Charge time (External charger)	6 hrs	6 hrs



Performance ++

PowerSteered

Fingertip control of heavy loads

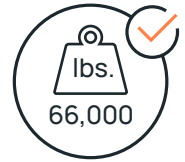
The PowerSteered series allows a single operator to move loads with fingertip control for effortless movement. Benefit from intuitive power steering to make light work of moving the heaviest loads for safer, more efficient workflows.

Available with advanced control options to ensure a solution for every heavy-load moving challenge. Choose from pedestrian-operated, remote control, and even fully autonomous AGV options for maximum efficiency and accurate repeatability.

Robust design guarantees unrivaled weight-moving performance and a secure coupling system ensures rigid connection to the load during movement, whilst the machine's compact footprint guarantees unbeatable maneuverability.

Our PowerSteered electric tuggers can be fitted with MultiLink technology, allowing multiple tuggers to work in unison under the control of a single operator, for even more weight-moving performance and enhanced steering capabilities.

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Key features

Safety

- A range of control modes deliver maximum operator safety
- Warning horn, flashing beacon, performance monitoring, and emergency safety shut-off
- Speed control with two-speed selector switch

Performance

- Highly maneuverable for precise movement in tight spaces
- Unrivaled visibility for operators
- Powerful hydraulic system maximizes load security and power, holding loads even on slopes
- MultiLink and AGV options enable future scalability

Power

- High performance, maintenance-free interchangeable batteries for 24/7 operation
- Optional Battery Protection System maximizes longevity
- Compact design, yet high power output

Connection

- Heavy-duty hydraulic coupling system ensures maximum load security and performance
- Self-levelling hydraulics enable secure movements even on slopes
- Optional smart coupling allows for MultiLink capabilities



Technical specification

Machine	PS800+ LH	PS800+	PS1000+	PS1200+	PS1500+	PS2000+	PS2500+	PS3000+
Maximum load (on castors)	17,600 lbs.	17,000 lbs.	22,000 lbs.	26,400 lbs.	33,000 lbs.	44,000 lbs.	55,000 lbs.	66,000 lbs.
Maximum push force	5,493 N	5,492 N	6,865 N	8,238 N	10,297 N	13,729 N	17,169 N	18,632 N
Maximum pull force	5,493 N	5,492 N	6,865 N	8,238 N	10,297 N	13,729 N	17,169 N	18,632 N
Combined machine and battery weight	1,590 lbs.	2,019 lbs.	2,019 lbs.	2,019 lbs.	2,019 lbs.	2,019 lbs.	2,019 lbs.	2,802 lbs.
Maximum slope	8°	8°	8°	8°	8°	8°	8°	8°
Battery (Based on standard option)								
Maximum distance per charge	7.3 miles	8.4 miles	6.9 miles	5.8 miles	4.8 miles	3.7 miles	3 miles	2.5 miles
Charge time (External charger)	8 hrs	8.5 hrs	8.5 hrs	8.5 hrs	8.5 hrs	8.5 hrs	8.5 hrs	6 hrs

Performance ++

Fleet management software

Turn movement into metrics

Introducing MasterConnect, the new data platform add-on that turns operations into actionable insights. Gain fleet-wide visibility into how each electric tugger is used, manage operator access, track equipment across sites, and identify issues early.

Get immediate control and visibility from day one, with deeper data insights and proactive maintenance benefits that build over time. Transform your material handling into a safer, smarter process with less downtime and a lower total cost of ownership.

Start making your machine data work for you by turning it into a powerful decision-making tool.



Manage operator permissions



Fleet location tracking



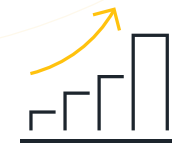
Remote diagnostic support



Real-time usage analytics



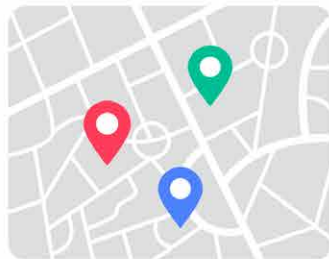
Maintenance alerts



Scalable platform



Location



- Machine Ref 8275
- Machine Ref 2345
- Machine Ref 5462

Performance



Attention!
Service Req.



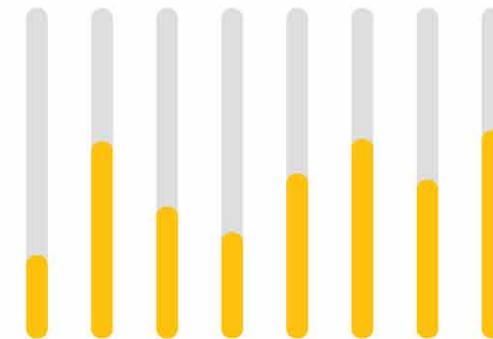
Time Tracking



Total: 6hrs

Analysis

Monthly Yearly



50%



Attention!
Battery Low

Ongoing support

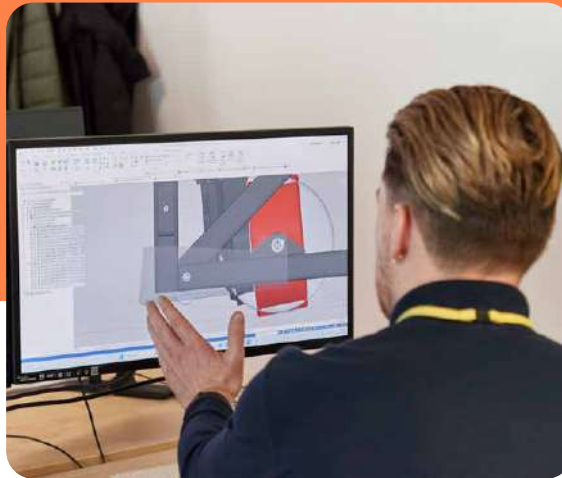
Our services



Servicing & maintenance

Keep your electric tuggers 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

Recognizing 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, maximizing your electric tugger's service life and performance.

Performance ++

Performance Range solutions in action

Want to explore how our **Performance Range** of 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](https://www.mastermover.com)



Engineered
innovation.
Performance
guaranteed.

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