

MasterMover®

Performance Range

Heavy-duty industrial tuggers and
tows to simplify the movement of
loads up to 154,000 lbs.

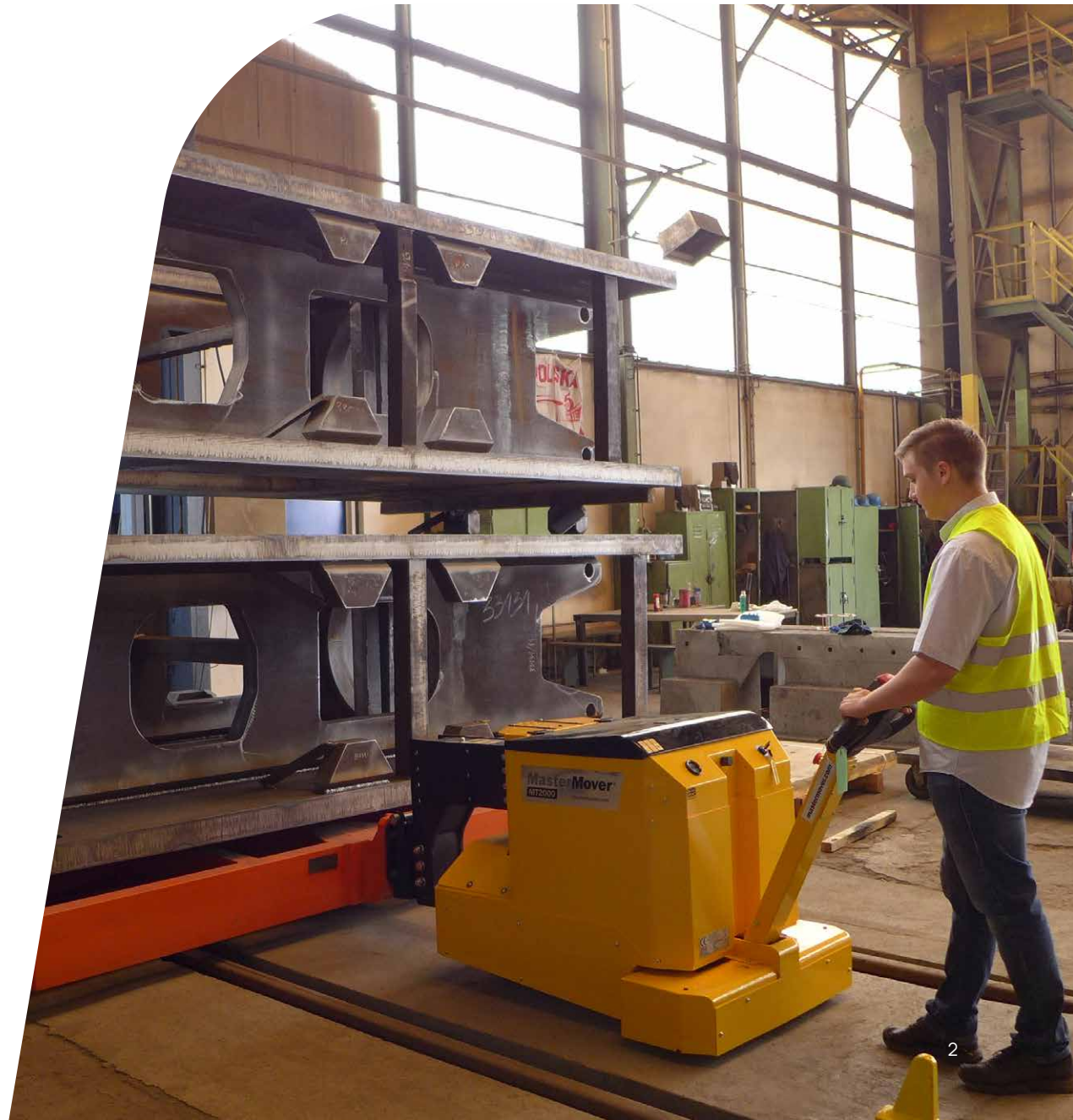


Discover safer material handling

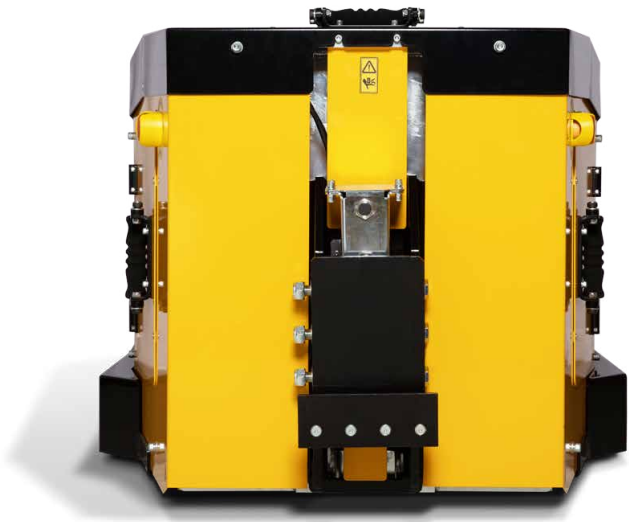
Delivering outstanding maneuverability in the movement of loads weighing up to 154,000 lbs., our Performance electric tuggers offer a compact, flexible, and more reliable alternative to traditional material handling equipment.

Highly durable and built specifically with industrial manufacturing in mind, Performance electric tuggers boast powerful weight moving capabilities – empowering a single operator to move loads weighing between 13,200 lbs. and 154,000 lbs. with a single machine. Enabling the controlled movement of even the heaviest of loads, the range improves safety by reducing reliance on lifting equipment. With no operator license required, you can also reduce downtime and drive efficiency.

Our MultiLink technology allows multiple electric tuggers to work together under the control of a single operator, so if your load is more than 154,000 lbs, we've still got you covered...



What is an electric tug?



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

How do they work?

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

How are they powered?

Electric tuggers 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.

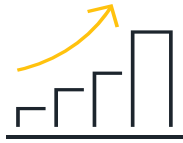
What types are available?

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

How to they connect to a load?

Electric tuggers 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 tuggers



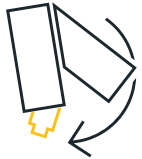
Powerful movement

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

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

MasterTow

Powerful Movements in Challenging Conditions



The MasterTow range of powerful, easy-to-use electric tow tuggers, is ideally suited for towing loads weighing up to 44,000 lbs. This tugger range uses its own weight to deliver consistent traction, enabling the effortless movement of loads inside, outside and even 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 connection system, the MasterTow range guarantees load security and is perfectly suited for moving individual and multiple loads linked together.

Take advantage of innovative technology with Electric Steer (ES). 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

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



MasterTug

Consistent Performance and Manoeuvrability

The MasterTug range delivers unrivalled maneuverability when moving heavy-wheeled loads weighing up to 44,000 lbs. Utilizing a unique weight transfer principle, the MasterTug range can move heavy weights while 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 connection point maximizes 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

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



PowerSteered



Fingertip control of heavy loads

The PowerSteered range 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 to drive safer, more efficient operations.

The range is available with unparalleled control options, offering a solution for every heavy load-moving challenge. Choose from pedestrian-operated, remote control, and even fully autonomous AGV options for maximum efficiency.

The robust design of the PowerSteered range guarantees unrivaled weight-moving performance. A secure coupling system ensures a rigid connection to the load, and a compact machine footprint delivers excellent maneuverability.

Our PowerSteered electric tuggers can be equipped with MultiLink technology, allowing multiple tuggers to operate in unison under a single operator's control, providing combined weight-moving performance and enhanced steering capabilities.



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+	PS7000+
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.	154,000 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	44,130 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	44,145 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.	7,341 lbs.
Maximum slope	8°	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	3.1 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	8 hrs

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 articulated trailers to flat beds and low loaders, the Trailer Moving range of electric tuggers allows the effortless movement of heavy trailers inside, outside, and on slopes.

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

Fully electric and license-free, the Trailer Moving System prevents bottlenecks in moving trailers for both distribution depots and manufacturers alike. Boasting intuitive operator controls and safety built-in as standard, the range provides operators with complete control when moving heavy trailers. A compact machine design maximizes visibility and enables operators to easily maneuver large commercial trailers in even the tightest of spaces.

An optional air compressor is also available, enabling operators to control the trailer brakes directly from the electric tug.



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

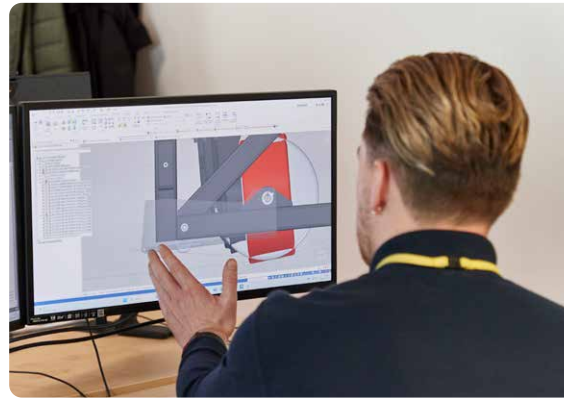


Our services



Service

We have a range of support options in place to keep your electric tugger 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

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 range solutions in action...

If you'd like to see and explore how our performance 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.

To help organizations worldwide empower
and protect their people with the right
solutions to safely and efficiently move
products, equipment and materials.



MasterMover®

Engineered
innovation.
Performance
guaranteed.

MasterMover®