



GM200



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WELCOME TO THE WORLD OF GREEN MACHINES

Where Innovation Beats Imitation

Green Machines is among the oldest manufacturers of sweepers, dating back to 1965 and our first headquarters in Scotland. From the very first walk-behind sweepers with their exceptional maneuverability to state-of-the-art battery and hydrogen technology present in our sweepers, Green Machines has created a market which remains unrivaled to date. We currently operate from our offices in North Macedonia, the Netherlands, United Kingdom, Germany and USA, while we offer clients all around the world full support through our wide global dealership network. With our ambitious Green Machines vision, we plan to stay ahead of the game by bringing new product technologies to the highly demanding outdoor cleaning market.

For many years now, we have aimed to contribute decisively towards cleaner and tidier towns and cities by providing efficient and sophisticated sweeping machines. Our portfolio comprises 7 machine models and each one is unique in its own way. We offer you a wide range of choices by providing cleaning solutions that others have yet to catch up to. All of our machines are compact and swift enough to enable you to clean any urban area around the city with maximum efficiency, without worrying that they will disrupt your citizens. Our machines are purposefully designed in a way that does not impact the normal everyday functioning even of the busiest areas in your city.



OUR MISSION: ZERO EMISSIONS

Green Machines realizes that the earth's environment is under severe stress from uncontrolled human activity, threatening the survival of our society and the performance of Green Machines' mission. We are dedicated to minimizing our own impact and maximizing the effective use of resources.

Green Machines strives to develop and produce sustainable sweeping machines combined with excellent performance for a better world. Our vision is often far from the traditional approach but we are proud to take leadership in paving the path to an emission-free world. Our vision focuses on minimizing global impact through the following guidelines:

- Help our customers reduce their carbon footprint through the use of our eco-friendly products.
- Maximize the "End of Life Environmental Value" of our products.
- Work with suppliers who promote sustainable practices.
- Participate in efforts to further improve sustainable protection and understanding among our staff and end-users across the globe.
- Listen to the voice of the customers.

KEEPS YOUR CITY **CLEAN AND GREEN**



PORTFOLIO

We have over 55 years of manufacturing experience and we are constantly improving our products based on direct customer feedback and the ongoing changes and trends on the market. Our current product portfolio comprises some of the world's most technologically advanced sweepers, and each of our machines is so unique that it is basically impossible to compare them to one another. Every machine is designed in a way that meets specific needs and we are confident that we have a machine that will meet your specific needs.



GM1ze

Fully electric, versatile, waste Vacuum Cleaner. Small manoeuvrable and Compact, ideal for any City Centre.



GM200ze

100% electric two-wheel tool carrier with a universal attachment adaptor in the front. It can be anything you want; from sweeper to leaf blower, snow plough, etc. The list is endless. Use it all year round, no matter the weather.



GM400ze/GM414

One of our latest environmental sweeper innovations, the 400ze is based on the world beating 400-series Sweeper. Compact, manoeuvrable, Operator friendly and now also Electric.



GM500ze

This marathon machine is the world's first-ever fully electric sweeper and offers lasting performance with the latest generation of Li-ion batteries. It is small, swift, and eco-friendly with superb ergonomic design. The 500ze is one of the most popular zero emission sweepers in the world.



GM500H2

The world's first-ever hydrogen fuel cell sweeper. It runs 100% on hydrogen with zero emissions, while providing the same comfort and cleaning efficiency the 500ze offers. It comes in two types: with replaceable H2 pods or with a fixed hydrogen tank system.



GM636HS

Our dependable, hard working front line sweeper will remove debris from all surfaces and efficiently, it has a 1.5 m3 capacity, designed for maximum performance and minimum waste volume. With its sophisticated design details and ability to considerably reduce water consumption, the 636 cuts labor and maintenance costs.



GM955

The 955 is a 6 m3 mechanical sweeper supported by vacuum. The powerful sweeping mechanism is able to collect even the largest debris, the powerful Vacuum will remove the smallest dust particles with the 955 you have the best of two worlds.



GM200

**Zero emissions,
zero noise and
zero vibrations
two-wheel tool carrier**

A fully electric two-wheel tool carrier with a universal adaptor in the front that allows you to turn it into whatever you want! It operates with zero emissions, zero noise and zero vibrations. Use it for one full day or several days in a row, depending on the battery or use it as a huge power bank to power other e-tools! Perfect for everyone who cares about the environment! This machine has a universal attachment adaptor in the front that allows it to connect to all types of attachments already present on the market. The attachments are already out there, it's the fully-electric 200ze that was missing. You can add all the attachments you can think of and turn it into a snow plough, snow blade, lawn mower, a harrow, a beach cleaner, sweeper, leaf blower or whatever you want! The list is endless!

GM200 Technical Specifications

Type

Type of machine 2-wheel electric tool carrier

Voltage

Voltage 48 Volt

Battery Li-ion battery with integrated BMS Options: 60 Ah/120 Ah/180 Ah/192 Ah

Power

Power 14 HP - 2 HP for Drive / 12 HP for PTO

Speed Max Speed 6 kph / 3.7 mph (reverse = half speed) Electronic speed limitation

Throttle Infinitely regulated

Brakes Hydraulic / E-motor / disc brakes

Safety Emergency stop + Belly-switch - Entrapment safety in reverse

Dimensions

Length 1150mm - 45 9/32 in

Width 877mm - 34 17/32 in

Height 1050mm - 41 11/32 in

With Michelin X-Tweel (594x272mm) / (23 25/64 in x 10 45/64 in)

Length 1150mm / 45 9/32 in

Width 1104mm / 43 15/32 in

Height 1050mm / 41 11/32 in

Dimensions Incl. 12" rim (air tire 5.00-12)

Towing

Towing Connection on the front and rear - Max 10 tonnes / 22046 lb

PTO RPM

PTO rpm Variable from 0-1000 RPM - Electronically controlled (1 direction)

Reverse

Reverse Acoustic signal

Handlebar Horizontal adjustable - Settings: -45°/ 0° / + 45°

Lights

Lights Lights on the front/rear, work lights and led-safety lights

Body

Body Aluminum

Type coupling Agria-type - Other adaptor available

Peculiarity Patented system / CE

Charging and display

Charger On-board

Re-charges in Max 8 hour - Depends on connection and battery

Display Full colour 4,3"

Accessories and optional equipment



Sweeper/collector



Salt Spreader



Leaf blower



Snow plough



FEATURED ATTACHMENTS



Mechanical Sweeper

The sweeper with optional collector and 3rd brush brush is a powerful attachment that is used to collect and scoop all kinds of debris.



Snow plough

The snow plough option is a very useful attachment for the winter season. Clear snow and ice from roads, paths, car parks and cycleways easily.



Salt spreader

Salt is used to prevent ice forming on the ground, which is very slippery. The salt spreader is an efficient way of spreading the salt evenly across the surface, so that it can be effective without wasting too much salt or manual effort.



Leaf blower

The leaf blower attachment is very useful for clearing leaves, grass and debris from sidewalks and other outdoor surfaces.

100% ELECTRIC

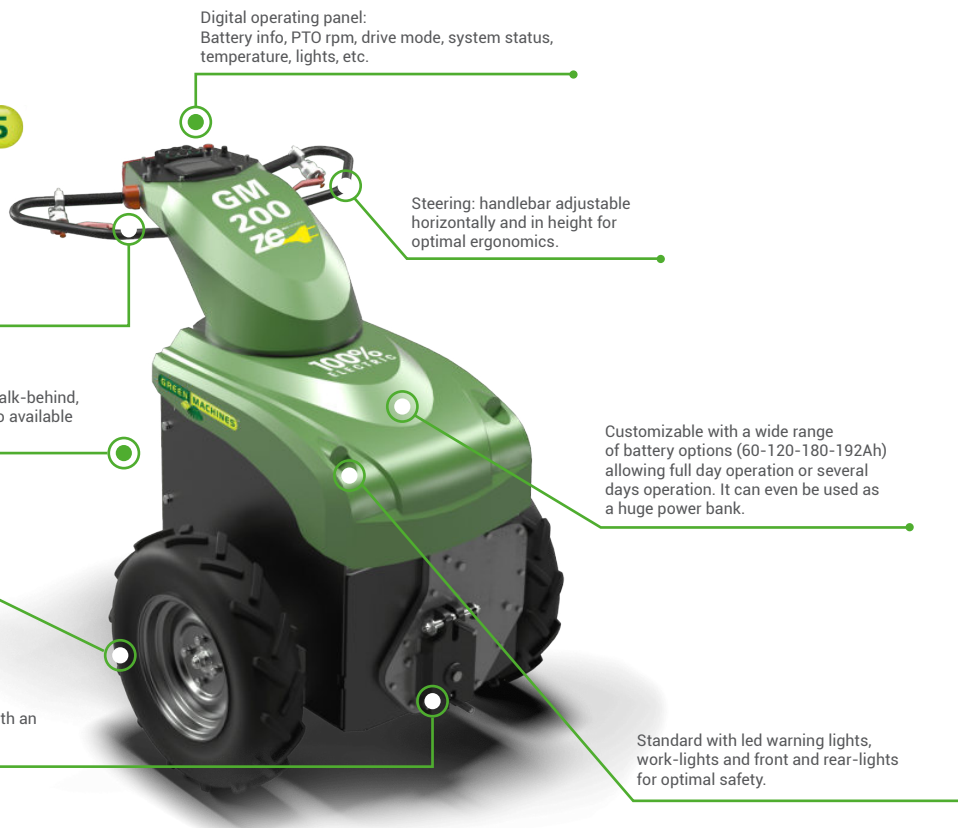


GM200

The GM 200ze is a zero emissions, zero noise and zero vibrations two-wheel tool carrier allowing it to be used 24/7, all year round, from the cold Nordics to the hot Bahamas! It has a universal attachment adaptor in the front that allows it to connect to all types of attachments already present on the market. The attachments are already out there, it's the fully-electric 200ze that was missing. You can add any attachment you can think of and turn it into a snow plough, snow blade, lawn mower, a harrow, a beach cleaner, sweeper, leaf blower or whatever you want! The list is endless! Plus, you can use it both indoors and outdoors!

GM200

GREEN MACHINES



Digital operating panel:
Battery info, PTO rpm, drive mode, system status,
temperature, lights, etc.

Steering: handlebar adjustable
horizontally and in height for
optimal ergonomics.

On-board charger

Standard as a walk-behind,
but a seat is also available
as an option.

Customizable with a wide range
of battery options (60-120-180-192Ah)
allowing full day operation or several
days operation. It can even be used as
a huge power bank.

Interchangeable wheels to suit all
weather conditions

Extremely powerful PTO of 12HP with an
enormous torque and 1000 rpm.

Standard with led warning lights,
work-lights and front and rear-lights
for optimal safety.

100% electric two-wheel tool carrier with a universal attachment adaptor in the front. It can be anything you want; from sweeper to leaf blower, snow plough, etc. The list is endless. Use it all year round, no matter the weather.



Digital operating panel:



Customizable wheels





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