



BORN ELECTRIC  
LITHIUM



#### Snow tank volume

3 m<sup>3</sup> / compacted 3.6 m<sup>3</sup>  
(106 ft<sup>3</sup> / compacted 130.7 ft<sup>3</sup>)



#### Water tank volume

1,000 l (264 gal)  
1,350 l (356.6 gal)  
1,800 l (475.5 gal)

+ Snow tank-water tank connection  
>2,000 l (528 gal)



#### Blade width

2,100 mm (82 5/8 in)  
2,300 mm (90 1/2 in)  
2,500 mm (98 7/16 in)

Blade change < 60 seconds



#### Fields of operations

Pro / Heavy duty



0	1. Drittel	0
0	60:00	0
Mannheim		München



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# THE STADIUM PRO

When it comes to flawless resurfacing of stadium rinks, the WM Mammoth has it all: High-performing, maintenance free AC motors, large snow and water tank capacity and a quick blade-change system. With its compact build, the machine has an extremely tight turn radius, which means that the ice can be resurfaced quickly, efficiently and without overlaps. Technically sophisticated, user-friendly and with numerous extras: WM Mammoth is the champion of professional ice resurfacing of rinks up to 1,800 m<sup>2</sup> (19,368 ft<sup>2</sup>).

*„The WM Mammoth has met all of my expectations: It guarantees flawless ice quality, is 100% reliable and working with it is a joy!”*

**LANXESS arena**

Sascha Koullen

Ice expert at the Lanxess-Arena  
Cologne / Germany



HIGHLIGHT

## ***LEISURELY DRIVING EXPERIENCE WITH OPTIMAL VISIBILITY***

The WM Mammoth is a guarantee of outstanding comfort for the driver and boasts a full, unobstructed view whether you're driving cabin-free or with all-round glazing. Three steps provide easy entry to the vehicle. All important functions are joystick-controlled, and with a simple press of a button, the automatic mode begins all work operations in a pre-defined order. All the important information is clearly visible at a glance on the colour displays, and the height-adjustable Grammer suspension seat provides outstanding comfort.





12:10 25°C

0.0 km/h (P) Mammoth 0.0 mm

max. 13.5 km/h 00:00

Watertank 0%	Water 0%	Battery 86%
1350L	25°C	6 A

Control panel with touchscreens and buttons.

- Top screen: Navigation and status icons.
- Bottom screen: Vehicle settings and diagnostics.
- Buttons: Power, Home, and Emergency Stop.

Ignition switch with keys.

Red emergency stop button on a yellow base labeled "STOP".

Red button below the emergency stop button.

Control panel with multiple colored buttons (yellow, black, white, red, blue, orange, green).

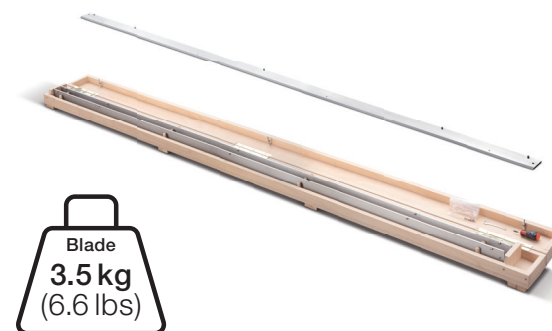




## HIGHLIGHT

# ULTRA-LIGHT BLADES, CHANGED IN 60 SECONDS

The WM Mammoth quick blade-change system eases working life enormously: Blades can be changed in just 60 seconds! The blades are made in a special steel, giving you both an above-average service life and an impressive weight: They are just 3.5 kilos (6.6 lbs). Blade changes can be carried out quickly and safely. Two blades together with all accessory equipment are supplied as standard in a practical wooden transport box.



- EASY, QUICK AND PRECISE** +
- LOW INJURY RISK** +
- IMPROVED QUALITY OF ICE** +

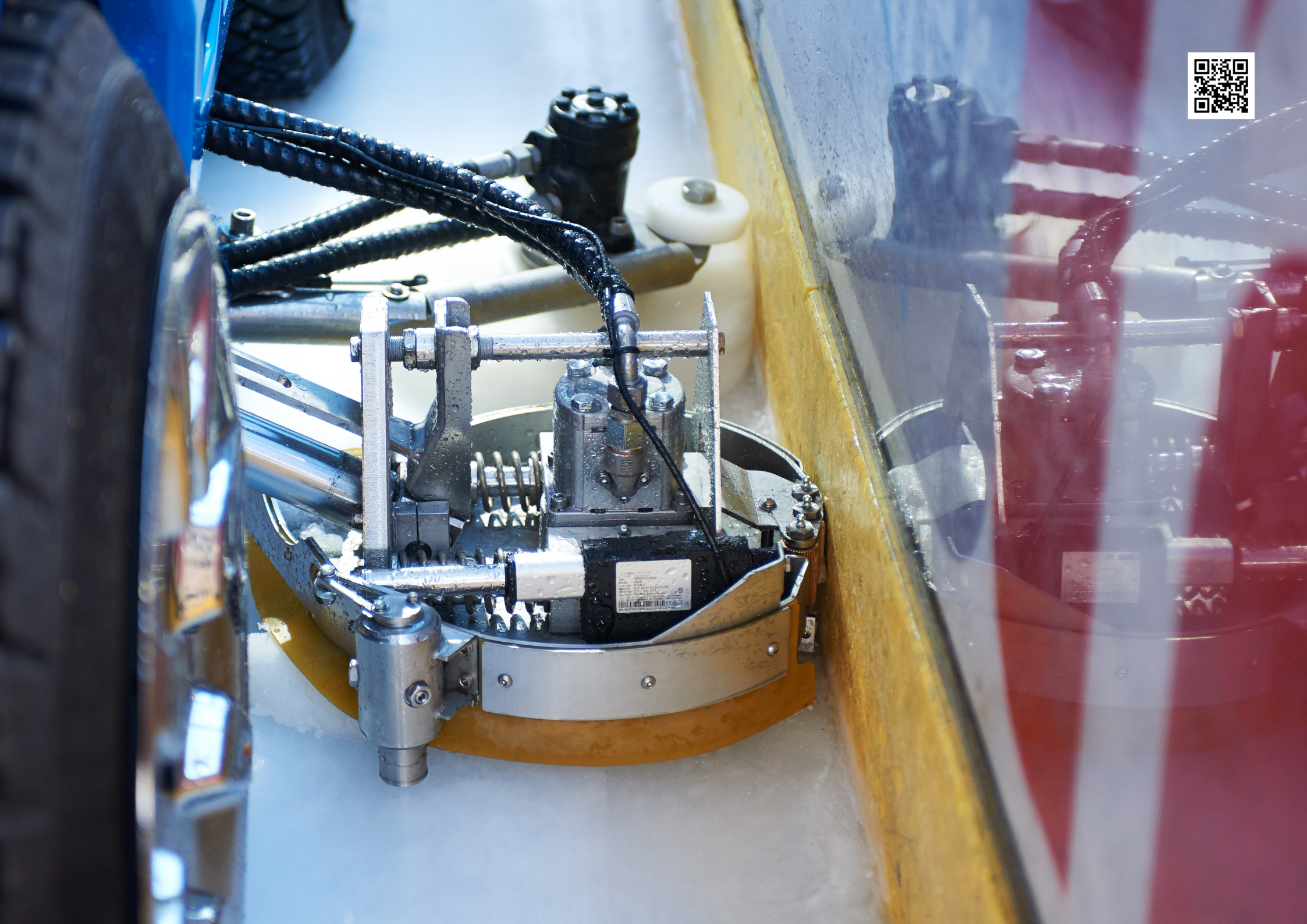
## HIGHLIGHT

# ***INTEGRATED EDGER FOR END-TO-END RINK PERFECTION***

The edger is fixed to the body of the WM Mammoth, guaranteeing you outstanding stability and performance. It can be operated easily and safely from the driver's seat. The innovative horizontal spring-loaded system with guide wheel ensures that the edger follows the contours of the rink to perfection, and planes the ice evenly, rapidly and cleanly. Edging and subsequent cleaning of the ice surface with the swivel brushes can be carried out in one simple step. The edgers are positioned between the axels and in front of the brush, to ensure an unrestricted overview of the vehicle. When not in use, the edgers are stored between the wheels, and do not affect operation in any way.











## HIGHLIGHT

# ***FUN ALL THE WAY: THE PASSENGER'S SEAT***

No other ice resurfer has it – anybody who wants to see a specialist at work close-up can sit comfortably by the operator's side. The passenger's seat is also a wonderful marketing tool, as it gives the spectator the chance to see the rink from a new perspective during the break. A competition or raffle prize never fails to add an extra thrill to the game!



## HIGHLIGHT

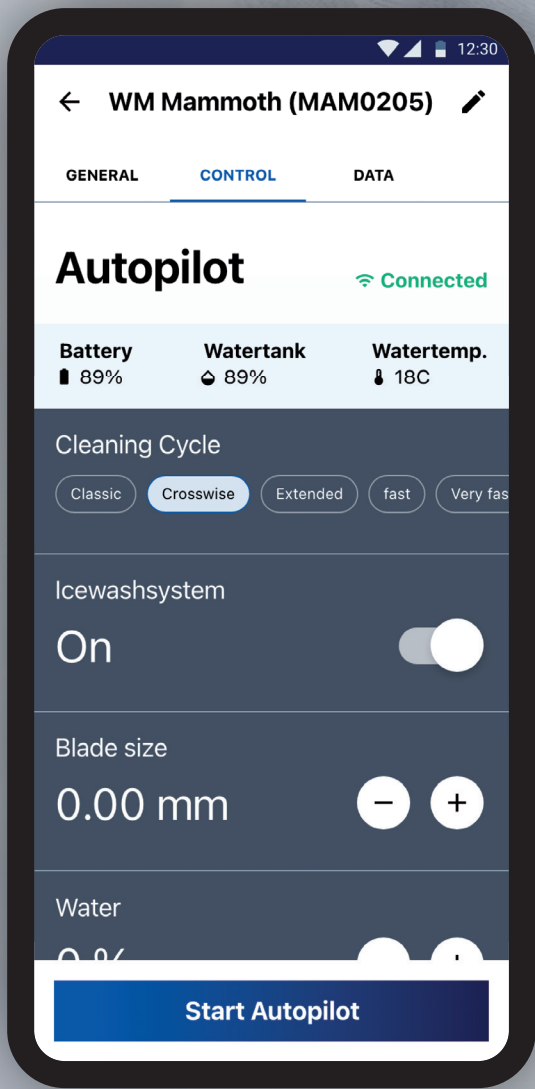
# ***NEED MORE THAN 2,000 LITRES (528 GAL) OF WATER? NO PROBLEM!***

When you're building up ice depth or using the water sprayer, more water is a must. The WM Mammoth has it all taken care of! The water and snow tanks can easily be connected into one water tank with a total volume of around 2,000 litres (528 gal) of water. No more standing in cold water and tiresome tugging on hoses: All operations can be carried out from the comfort of the driver's cab – there's more than enough water to do the job.

Example: 1,350-litre (356.6 gal) water tank & 1,000-litre (264 gal) snow tank = 2,350 litres (620.6 gal) of water







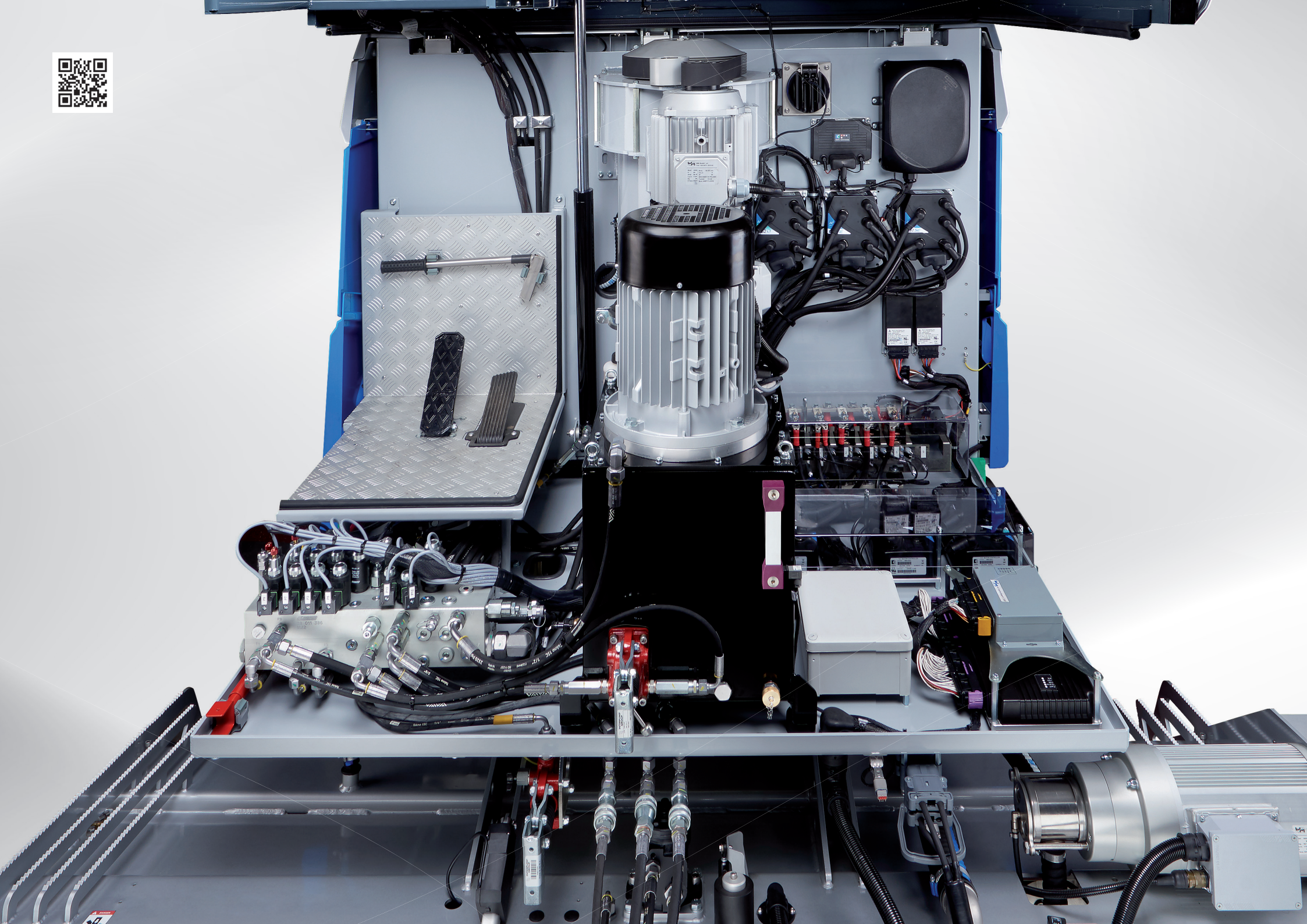


HIGHLIGHT

## ***THE FUTURE LIES IN AUTOMATION***

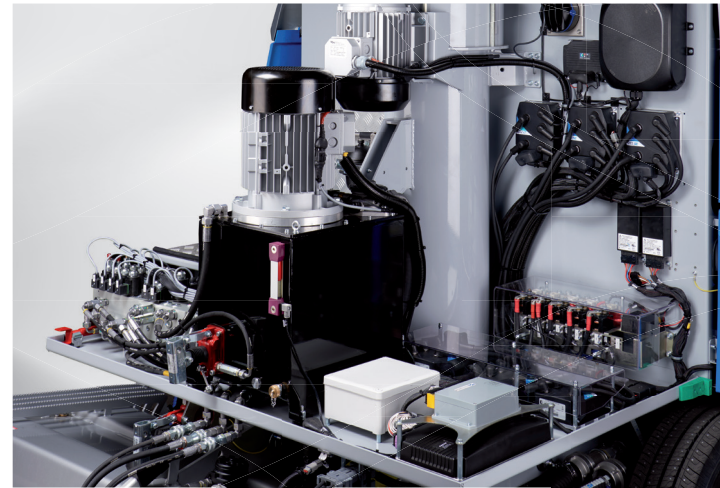
The first step towards the future was that of the innovative integrated automatic mode, which activates all operations in a predefined order through the press of a button. With WM Mammoth autopilot, WM technics have now taken the next leap forward, and automisation in the work place has reached a new peak. The self-driving vehicle covers the whole ice rink on a predefined route, and is capable of completely resurfacing the ice rink without a driver. WM Mammoth Autopilot is controlled by means of an app, which displays all important parameters, while the redundant safety system guarantees that the vehicle can be stopped at all times when on autopilot mode. The best assistant an ice-master could ever want!







## MAINTENANCE



The entire engine technology is easily accessible just by lifting the cab. This means that mechanics can carry out their work quickly and cleanly, which in turn saves on time and service costs. Our team also use remote monitoring to keep an eye on your vehicle monitor and rectify any faults which may occur.

**COST EFFICIENT** +

**FREE AND EASY ACCESS** +

**SKILLED REMOTE MAINTENANCE** +

## ELECTRIC / LITHIUM



## FACTS & FIGURES

<b>Motor</b>	5 asynchronous motors Optional 6 asynchronous motors
<b>Power rating</b>	29 kW
<b>Water tank</b>	1,000 l (264 gal) optional 1,350 l (356.6 gal) / 1,800 l (475.5 gal)
<b>Snow tank</b>	3 m <sup>3</sup> (106 pi <sup>3</sup> ) – compacted 3.6 m <sup>3</sup> (130.7 pi <sup>3</sup> )
<b>Transmission</b>	Continuously adjustable electric all-wheel drive
<b>Hydraulic oil tank</b>	50 l (13.2 gal)
<b>Speed</b>	0 - 13 km/h (0 - 8 mph)
<b>Tyres</b>	225 / 75 / R16 C 6 rows of spikes
<b>Wheel rims</b>	9" x 16" with hubcaps

## INCLUDED IN DELIVERY



2 blades in wooden transport box



2 towels



2 rubber mats



Adjustment tool



Key for water filter



1 set hexagonal socket screws



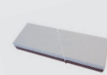
Bodywork key



Set ABS fastening material



Laceration-proof safety gloves



Grindstone



Storz coupling C with nozzles  
ø 32, ø 40, ø 50



Fuse set



Operating instructions



Online spare parts catalogue

## STANDARD EQUIPMENT

PLC control

Dual Screen - 2 high-resolution 7" touchscreens

Ergonomic multi-function joystick with 9 control buttons, three rotary controllers and travel direction switch

Button for automatic modus: operations start automatically in a fixed order

Freely assignable button on joystick can be programmed by the operator to facilitate access to a frequently used function

Function for automatic water filling system with immobilizer (Acquastop valve as optional)

Electrical snowbin inspection hatch

Acoustic signal for reverse drive, snow bin cover operation, reverse of the screw conveyors and blade exchange

Spring-suspended and height-adjustable driver's seat (fabric) with armrests

Spring suspended passenger seat

Easily accessible engine compartment (tiltable) with cap support

Maintenance-free asynchronous motors

Continuously adjustable electric four-wheel drive

Water tank made of PE

Coated snow bin

Snow bin & water tank connection

> 2,000 litres (> 528 gal)

Service brake with hydraulic brake force booster

Hydraulic negative parking brake

Hydraulically driven and swivelling side brush

Board guide pulley

Side mirror, rear

Snow bin headlight, side headlight

Flashing warning light

Led daytime running light

System for water dosing in curves

Planing system made of stainless steel

Constant grinding pressure planing system

Quick-Change-System for a fast blade replacement (< 60 seconds)

2 blades in wooden transport box (super-light blade - 3.5 kg (6.6 lbs))

2 towels

Scope of delivery set



In compliance with Suva certification  
Nr. E 7138/1.e



### Snow tank volume

**3 m<sup>3</sup> / compacted 3.6 m<sup>3</sup>**  
(106 ft<sup>3</sup> / compacted 130.7 ft<sup>3</sup>)



### Water tank volume

**1,000 l (264 gal)**  
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### Blade width

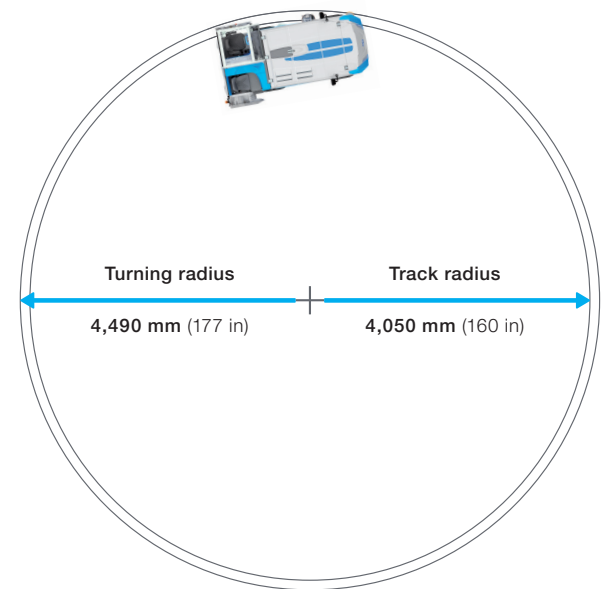
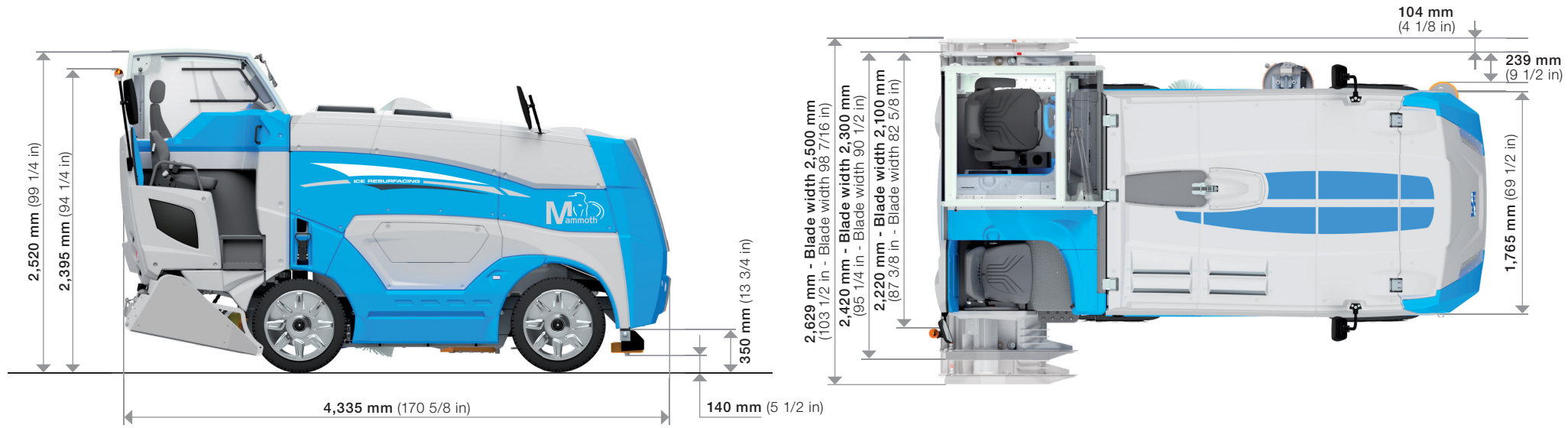
**2,100 mm (82 5/8 in)**  
**2,300 mm (90 1/2 in)**  
**2,500 mm (98 7/16 in)**



### Fields of operations

**Pro / Heavy duty**

# DIMENSIONS

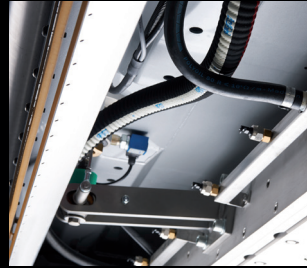


# OPTIONALS

## Water dosing & wash system



Water pump



Ice wash system  
Multijet



Screw conveyor wash  
system vertical



Screw conveyor wash  
system horizontal

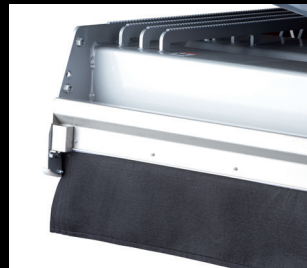


Snow bin  
wash system

## Water application



Wheel wash system  
co-steering



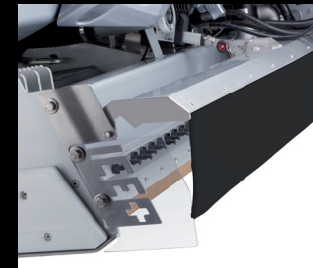
Towel support  
standard



Towel lifter  
automatic



ICEplus  
Water spraying system



ICEplus Flexi  
Water spraying system  
with automatic towel lifter

## Dasher board processing



Water sprayer



Edger  
made of stainless steel,  
spring borne with electric  
height adjustment

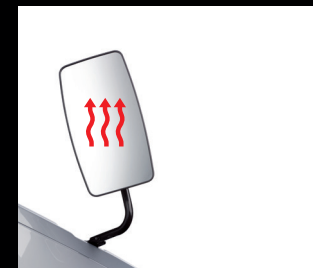
## Overview & security



Side mirror  
front left



Side mirror  
front right



Heated mirrors

# OPTIONALS

## Comfort



Acoustic distance warning system front



Front camera



Rear-view camera



Windscreen made of real glass with wiper system



Cabin with panoramic windows



Cab heating



Heated windscreen



Heated windscreen and right side window



Driver's seat heating  
*Seat pad and backrest*



Radio with  
2x 10 cm speakers

## Lighting



Acquastop valve



Low-beam headlights



High-beam headlights  
with parking lights



Tail lights  
Parking light & brake light



Reversing lights

## Autopilot & Remote Maintenance



Turn signal  
front, rear and side



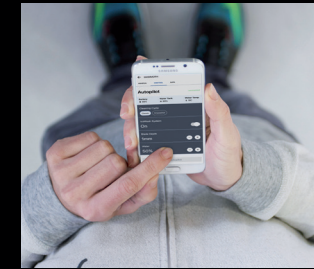
Complete lighting  
system



RGB underbody  
illumination



WM Autopilot



WM Connect

## Personalization



Painting  
1 color RAL



Painting  
2 color RAL



Wrapping

## Service



Battery trolley



Battery water  
filling system



Spare wheel 16"



Cross-key



Lifting jack  
with bar 10t (20 000 lbs)



Tool set



Assembly tool for  
nozzles ICEplus

## OPTIONALS

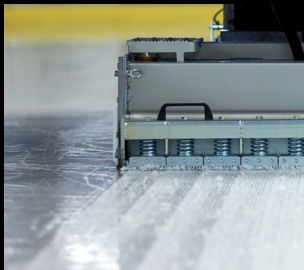


Kit diagnostic  
cables



Access BMU  
*Battery-Monitoring-Unit*

### Attachments for Bavarian Curling



Groove harrow

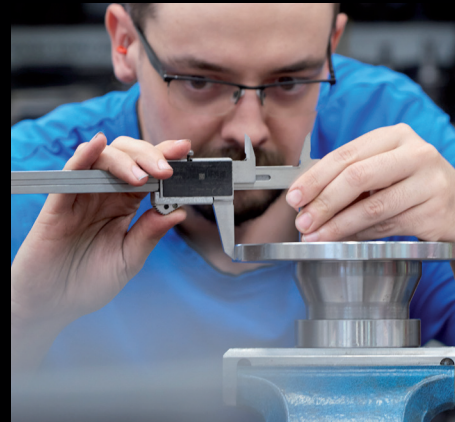




# OUR COMMITMENT

## User friendliness

Through the use of top-quality components together with a well-planned design, maintenance work is extremely simple and is reduced to a minimum.



## Quality guarantee

The WM Mammoth is a product which has been developed, built and assembled in house, from start to finish. Only by doing so can we guarantee top quality and punctual delivery times.

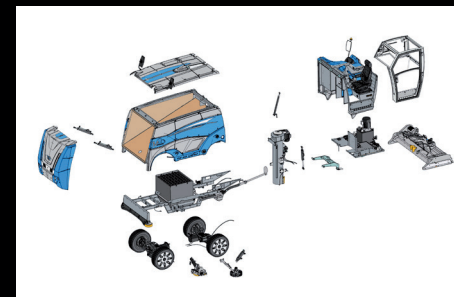


## Detailed operating instructions

You can find all information on operation, maintenance and safety in the operating manual.

## The right replacement part, every time

Order your spare parts easily and conveniently from our online portal *Blue Shop*: Our series number and digital image system enable you to find the part you need with just one click.



### Service and support

Our well-networked, international team of technicians undergo constant training and will be delighted to help you whenever you require assistance.



### Series production

All WM technics vehicles are series-manufactured. We know exactly which parts have been used in each series run, and can deliver the correct spare parts to you at all times. At the same time, a number of optionals can be retrofitted with minimum effort and maximum precision, even years later.

### Quality consciousness

From the manufacture of individual parts right through to the final quality-control inspection: Every step of the process is carried out and monitored with the utmost of precision. Each and every member of our staff is well-trained in his specialist field, and carries out all tasks conscientiously. This is a great advantage for our customers, who can be sure of receiving a technologically sophisticated product which has been manufactured to the very highest of quality standards.





www.wm-on-ice.com  
Italy

WM ice technics relies on the following distribution partners in North America:



**Autoworq**  
Montreal (Québec)  
Phone 1-866-973-1333  
www.autoworq.com



**LSK Enterprises**  
Virginia Beach (VA)  
Phone 1-757-366-0166  
www.lskenterprises.com



**Outdooricerinks.com**  
Strongsville (OH)  
Phone 1-440-628-7979  
www.outdooricerinks.com



Mobile / Event

Pro / Heavy duty



**Compact**



**evo**