

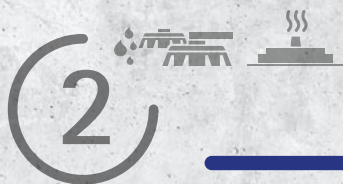
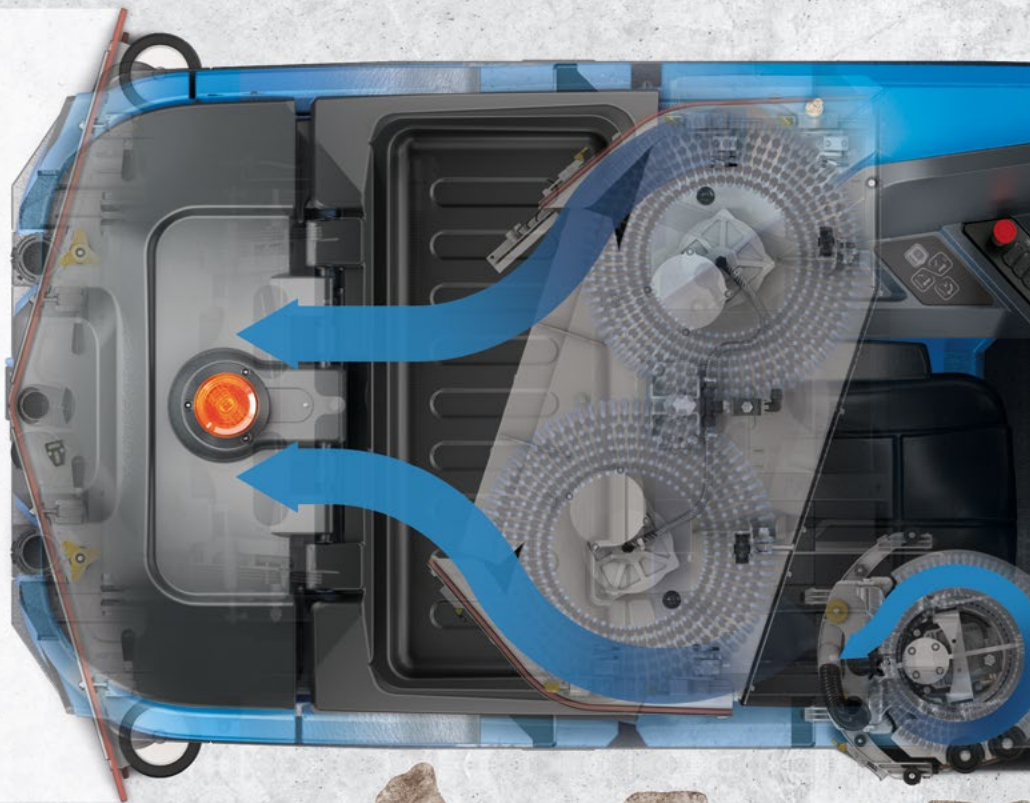
GMG *Combinata*



When the most powerful scrubbing machine is
also the most efficient sweeping machine

 **FIMAP**[®]

The strength of a real sweeping machine combined with the power of a large scrubbing machine



SCRUBBING MACHINE

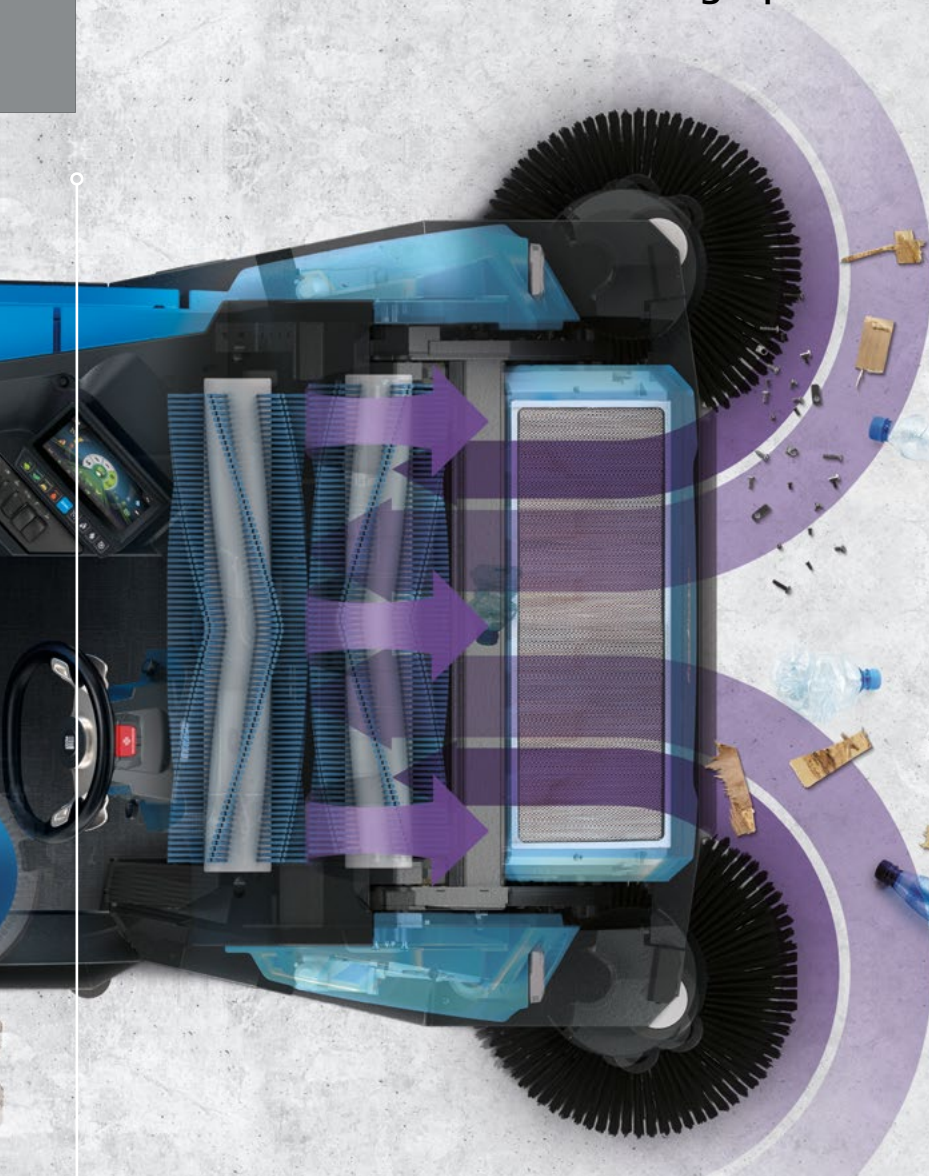
For the scrubbing and immediate drying of floors

With a single machine, you can do the work of two, halving the time and costs of each cleaning operation, labour and management

Now, it is no longer necessary to waste time sweeping before scrubbing, or to have two separate machines to carry out the two actions separately.

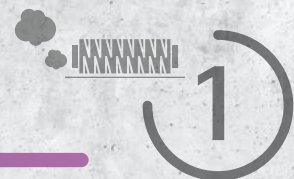
The GMG Combinata does the work of a sweeping machine and a scrubbing machine in just one pass.

With the GMG Combinata, you can keep your spaces clean and ensure productivity for the price of a single machine, a single operation, and a single operator.



SWEEPING MACHINE

For sweeping and collecting solid waste



Reduce cleaning costs and
get the greatest return on your
investment in the short term



POWER

- Increase productivity, by cleaning with greater power and 30% faster than a conventional model of the same category
- Double productivity, by carrying out the work of a sweeping machine and a scrubbing machine in just one pass
- Increase productivity, by cleaning ramps with slopes up to 20% at full load
- Increase productivity, with the possibility to install batteries of different technologies, from lead acid batteries to advanced lithium-ion ones, which provide up to 7 hours of run time on a single charge
- Increase operator productivity, with enhanced control over tasks provided by the touch screen display and the rear view camera
- Increase operator productivity, providing up to 9 pre-set cleaning programs according to different applications
- Halve costs: by purchasing just one machine that can carry out two types of cleaning in a single operation, you can halve your investment and labour costs

SPEED

up to **9** km/h
at work

PRODUCTIVITY

+30%

GRADEABILITY

slopes up to **20%**
on duty at full load

RUN TIME

up to **7** hours





SIMPLICITY

- Reduce operator training, with on-board video tutorials which show how to perform common operation and maintenance activities
- Increase uptime, with easy and intuitive access to key features through the iD – Intelligent Drive system
- Halve operation time: now, you can collect solid waste and scrub the floor in a single operation
- Enhance control over cleaning results, with pre-set work programs and supervisor controls that ensure proper machine setting and use by the operator
- Reduce service time and cost, with fully accessible design that enables easy and quick servicing

SUSTAINABILITY

- Reduce the use of resources, saving water, detergent and energy thanks to Fimap sustainable technologies
- Reduce the environmental impact, with constant control of the CO₂ produced
- Reduce water use by up to 66% with FLR – Fimap Long Range technology, which enables you to clean more sq.m with the same amount of resources

FSS
up to **50%**
reduces water and chemical use by

FLR
up to **66%**
reduces water and chemical use by

DURABILITY

- Protect the machine and the facility in which it works, with steel wrap-around bumper and roller bumpers at the 4 corners

SAFETY

- Increase operator and facility safety, thanks to the array of active and passive safety technologies provided as standard

CONNECTIVITY

- Increase productivity by tracking performance with Fimap My.Machine app

CUSTOMIZATION

- Increase productivity, with the GMG Combinata tailored to your specific needs

GMG *Combinata*



Why choose an electric machine?

Unlike many models in its class, the GMG Combinata is not powered by an endothermic engine, but rather by batteries. This is a much more efficient solution, due to the fact that there is no energy loss. Combustion engines, which generate heat through the combustion of fuel, inevitably lose much of the energy produced. The energy which remains – the kinetic energy, which makes the machine run and the engine components move – is much less.

In an electric motor, meanwhile, which does not need to warm up to reach maximum revs, the energy generated can all be used immediately, without any dispersion. The use of an electrical power supply offers unique benefits such as:

- no fuel costs
- zero exhaust emissions
- silent operation
- vibrations reduced to a minimum
- greater safety for the operator
- the versatility of being able to use the machine indoors

The GMG Combinata is also available with lithium batteries, which ensure excellent power deliver and long operating autonomy, for up to 7 hours of continuous work.

A NEW
GENERATION
MACHINE
COMMITTED TO

ZERO 
EMISSIONS

GMG *Combinata*

A machine designed
to exceed expectations in
the most demanding industries



INDUSTRY



LARGE-SCALE
RETAIL



PARKING LOTS



TRANSPORTATION



EXHIBITION
CENTERS

In warehouses, logistics centers and production areas, the formation of dust, processing residues and fragments of packaging and pallets is inevitable. It is essential to remove these in order to ensure a healthy and safe working environment, and to enable the productivity of the plant to be maintained.

Normally, any dust and solid dirt must first be removed with a sweeping machine, before scrubbing and drying with a scrubbing machine.

Now, you no longer need two separate machines and two separate cleaning operations in order to achieve the same result: simply use the GMG Combinata. It

carries out the same work as a sweeping machine and a scrubbing machine, but as part of a single operation, thus halving cleaning times and costs.

It also enables staff to go about their normal working activities in complete safety, without any delays or interruptions.

The technology of the GMG Combinata enables optimum ease of use, which is similar to that experienced when interacting with any of today's digital devices.

This ensures that it is easy to use, even in the instance of frequent changes in staff.



LOGISTICS

Accurate details highlight
the robustness of its design

It stands out for the strength of its design that enhances the sense of protection



PROTECTION

- **FOR ENVIRONMENTS**
It blends in perfectly, has no protruding parts
- **FOR THE USER**
It has a comfortable and safe operator position which enhances visibility and control
- **FOR THE MACHINE ITSELF**
Long-lasting, rotationally-moulded plastic tanks and a wrap-around steel bumper keep the mechanical components safe.



The front and rear sensors prevent collisions, by alerting the operator when approaching an obstacle

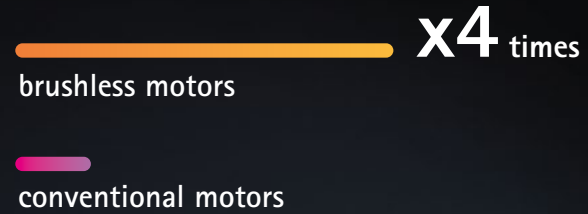


BRUSHLESS MOTORS

Motors without brushes bring several advantages:

- **MORE POWER**,
which is entirely used avoiding the dispersion that is normally caused by the friction of the brushes
- **GREATER DURABILITY OVER TIME**,
as they do not generate heat, there is no need for ventilation which can cause damaging seepages
- **COMPACT DESIGN**,
they leave more space to the volume of the tanks, thus increasing the working autonomy
- **GREATER CONTROL**,
which being electronic, and not electromechanical, automatically adjusts to the required performance, improving efficiency
- **NO MAINTENANCE**
and extremely longer life cycle

ENDURANCE OVER TIME



The roller bumpers at the 4 corners deflect shocks protecting the machine and extending its life

All of the components close to the floor – and therefore in contact with water – are corrosion-proof

GMG *Combinata*

A comfortable space enables
the operator to better focus
on the cleaning task

Every single detail of the driving position is designed to provide the perfect working conditions:
a roomy seat, easy access to the controls, full control of activities, smooth manoeuvres
and total visibility of the surrounding space



The Eco Mode device reduces
the noise level, enabling the
operator to clean without
disturbing others in the
surrounding area



A convenient step helps to sit in the driver's seat

Side paddles integrated into the steering wheel help the operator keep his attention and eyes on the driving direction

The digital touch screen display creates a modern, high-tech environment where valuable information is shown in high resolution

The side control panel provides easy access to the functions, allowing the operator to adjust the settings without getting distracted

Membrane control panel for manoeuvring the solid debris hopper

Integrated USB ports for charging mobile devices



Comfort driver's seat

The seat, with armrests and headrest, is sprung and adjustable, to suit the operator's needs, thus improving driving comfort

Learning how to take care of the GMG Combinata is easy, because the machine itself guides you



OPERATOR
TRAINING
VIDEO
TUTORIALS

They provide essential instructions to perform routine activities and to support the operator when a quick reminder is needed on proper operation and maintenance procedures



MAINTENANCE
DUE WARNING

When the deadline for the periodic inspection established in the maintenance plan is approaching, a warning appears on the display, giving you plenty of time to arrange your appointment.



USE AND MAINTENANCE MANUAL AND SPARE
PARTS CATALOGUE

It is possible to read directly from the display the Spare Parts Catalogue and the Use and Maintenance Manual, available in 24 languages. Any doubts concerning the machine can be resolved immediately, thanks to the easy-to-read touch screen display



SIMPLE ROUTINE MAINTENANCE

SERVICE LIGHTS



The exclusive lights pack offers increased visibility of the parts which could require operator inspection, illuminating the relative zones with LED lights



FFF-FIMAP FAST FILL

It enables the solution tank to be filled up quickly without the presence of the operator



SPRAY GUN

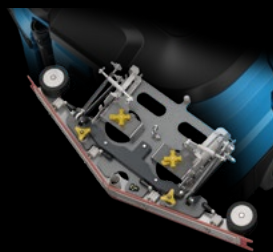
The spray gun enables the cleaning of the recovery tank anywhere, even when there is no available tap nearby, reducing maintenance downtime

REAR FOOTBOARD

A convenient pull-down footboard at the rear of the machine provides easy access to the tanks and a better view for maintenance activities

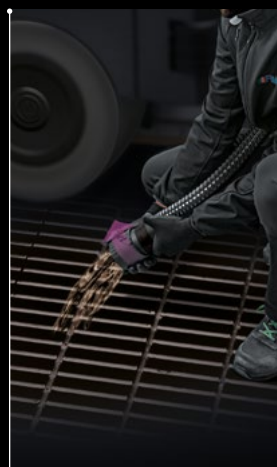


MAINTENANCE TOUCH POINT



YELLOW COLOUR-CODED PARTS

Parts which must be cleaned regularly at the end of every shift are colour-coded in yellow for easy identification, saving time and making sure that your machine remains in perfect condition at all times



LARGE DIAMETER HOSES

The large diameter of the drain hoses allows the tanks to be emptied quickly, reducing downtime. The hoses feature a flow adjustment system that enables to choose up to 5 opening sizes in order to adapt the diameter to the flow when emptying the tanks

GMG *Combinata*



Maximum accessibility to the solution tank for complete cleaning and sanitisation



REPLACEMENT OF THE RUBBER BLADES

All parts where rubber blades are installed are designed to enable quick, easy replacement.

The squeegee can be removed and installed very rapidly



MAINTENANCE TOUCH POINT



The coupling/uncoupling function for the disc brushes is automatic, and is operated via the controls on the instrument panel. It prevents the user from having to carry out this operation manually, increasing safety.



MAINTENANCE TOUCH POINT

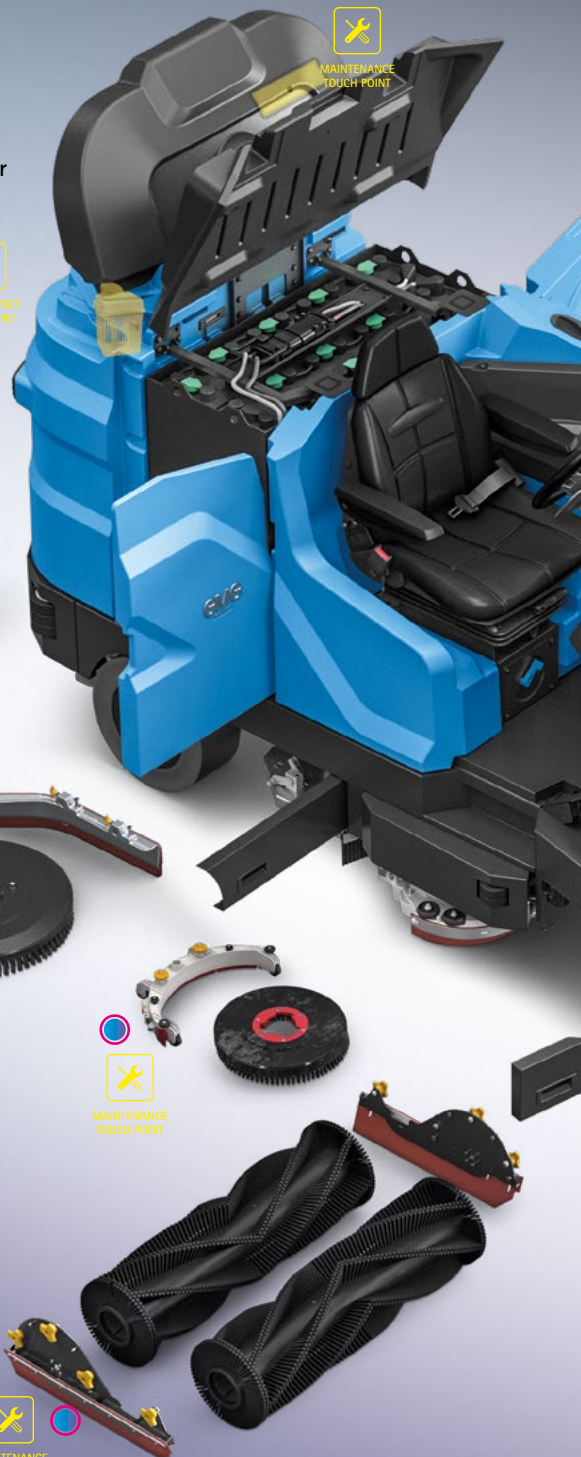


MAINTENANCE TOUCH POINT

Access to the cylindrical brushes is quick and easy, as is removal



MAINTENANCE TOUCH POINT



EVEN EASIER EXTRAORDINARY MAINTENANCE



The battery compartment opens fully, enabling easy inspection and topping up of the liquid

The functional design of the machine enables full access to the parts that require maintenance, thus reducing operation times and costs.



Once the cover has been lifted, the filter is fully exposed, and can be removed in a few seconds without tools

Lower maintenance costs

Compared to conventional combustion-powered machines, electric machines do not require an oil tank or a transmission system. Consequently, maintenance is easier and costs are significantly lower.



The sweeping side brushes can be uncoupled easily without tools



MAINTENANCE TOUCH POINT

Handle for locking the hopper in place when it is lifted. This increases the safety of the operator while he/she is working on the machine.



1

THE MOST EFFECTIVE SWEEPING MACHINE

AIR FILTRATION
channelled back into the environment

AUTOMATIC FILTER SHAKER
This ensures filter performance is maintained over time; shaking the filter regularly prevents clogging and extends its life.



SWEEPING SIDE BRUSHES
to channel dirt into the central area

CONTAINER VOLUME

up to **90** litres

SWEEPING UNIT
for collecting solid waste

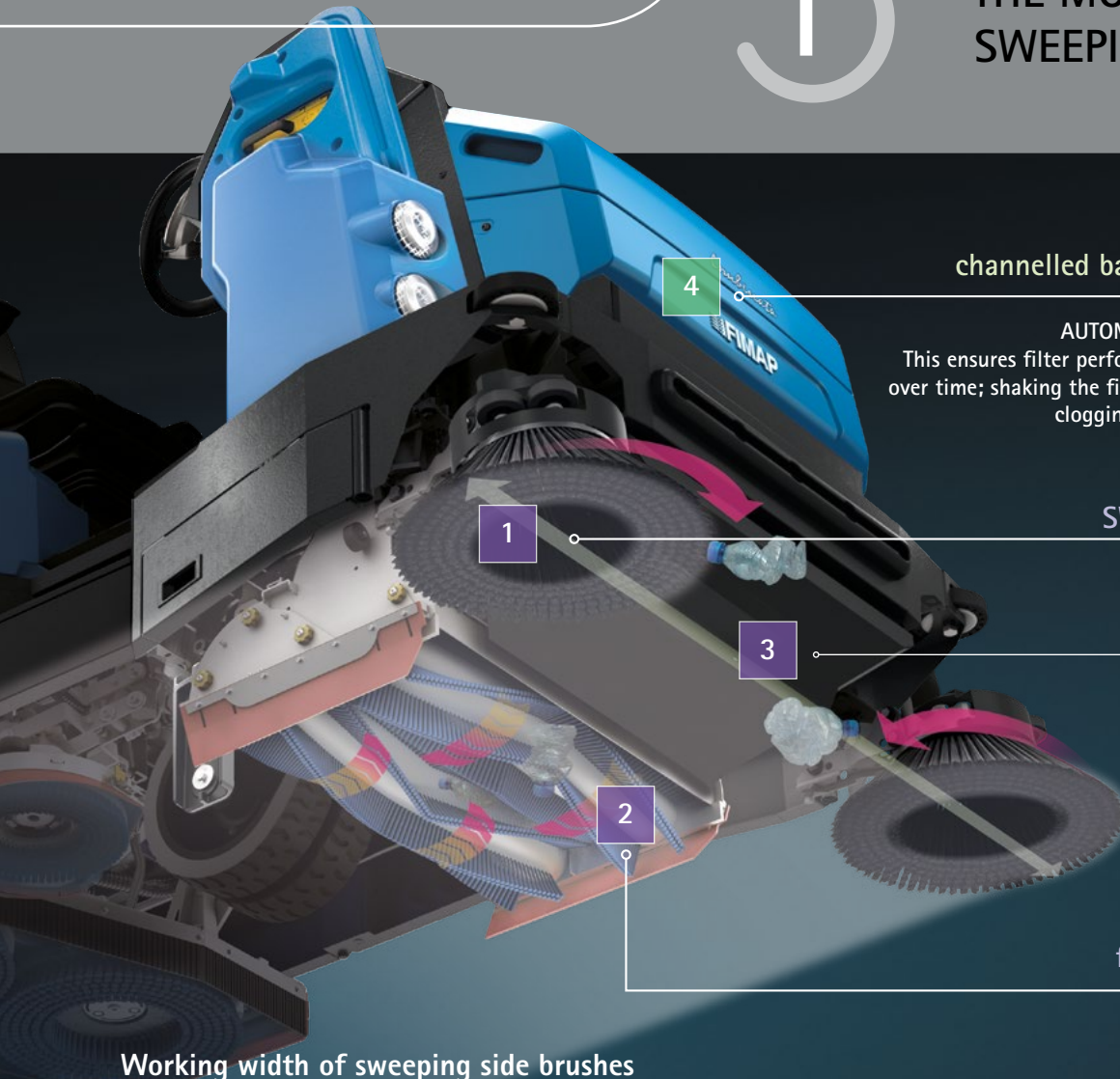
Working width of sweeping side brushes

up to **1700** mm

Brush rpm up to **610**

Debris hopper emptying height

up to **1540** mm





PANEL FILTER



CLOTH POCKET FILTER



POCKET FILTER IN **Tetratex**

LIGHT

MEDIUM

HEAVY

TYPE OF
DIRT

The GMG Combinata is available with a PANEL FILTER for standard applications, or can be ordered with a CLOTH POCKET FILTER for optimal filtration results, even in environments where the presence of fine dust is very high.

Even higher filtration performance can be achieved with the Tetratex® POCKET FILTER. This is made with a microporous expanded PTFE membrane, a highly efficient material that is ideal for particularly difficult applications, such as in areas where minerals, chemical products, pharmaceutical substances and fertilisers are processed, as well as in the food industry.

The Tetratex® membrane has an excellent release capacity, courtesy of its surface filtration technology: once it reaches the surface, dust – even the most adherent – falls down, leaving the filter free and preventing clogging.



ELECTRICAL HOPPER EMPTYING AT HEIGHT

Hopper emptying takes place automatically without any effort for the operator, who can manoeuvre the waste hopper from the workstation via the instrument panel. The operation is electric, which offers a host of advantages in terms of performance, time and costs over a hydraulic system. Indeed, hydraulic circuits are subject to much more mechanical stress, are also more prone to malfunctions and breakages. They need to be inspected regularly, as do the oils that they contain, which need to be checked and replaced to prevent clogging. Any leaks can compromise the work and damage the environment.





DUAL 3-STAGE VACUUM MOTOR

Effective vacuum system which leaves the floor dry with no risk of slipping



The layout of the squeegees helps to collect water and direct it towards the suction point, thus ensuring better drying.

The floor is perfectly dried even in bends, thanks to the lateral movement of the rear squeegee, which always follows the course of the machine



FLR FLR-FIMAP LONG RANGE

PRODUCTIVITY IS INCREASED BY UP TO

+70%

RUN TIME



with Li-ion batteries

up to **7** hours*

* In Eco Mode

SPEED

up to **10** km/h
in transfer

up to **9** km/h
at work

PRODUCTIVITY

+30%
higher productivity than
competing models in the
same segment



300
litres

SOLUTION
TANK

350
litres

RECOVERY
TANK

SIDE SCRUBBING BRUSH
WITH VACUUM SYSTEM



The side brush makes it easy to clean along walls and allows to reach under shelves. It is equipped with vacuum system, a unique innovation not available in any other model in the market, which increases drying performance even on bends

IT WIDENS THE WORKING WIDTH,
THUS INCREASING PRODUCTIVITY BY UP TO

+20%



GREATER CLEANING POWER TO TACKLE THE MOST STUBBORN DIRT

adjustable brush pressure up to **250** kg

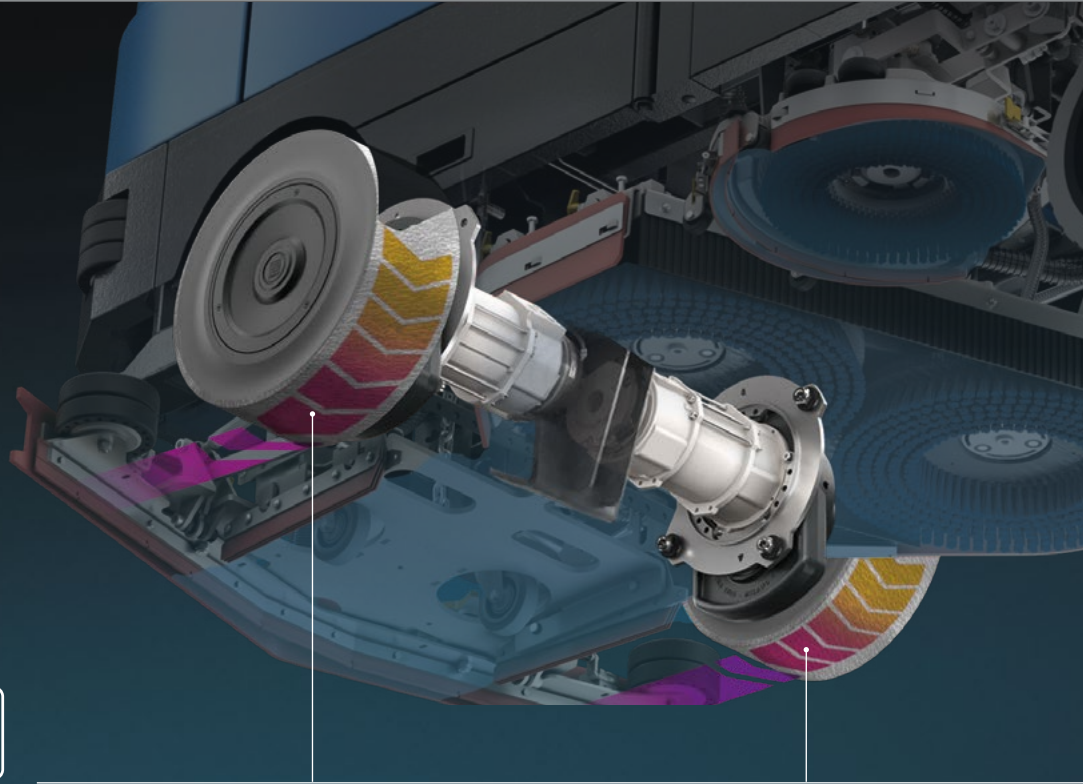


brush rpm up to **315**

VACUUM WAND

Enables cleaning areas that are difficult to reach with the machine and completing the operation every time





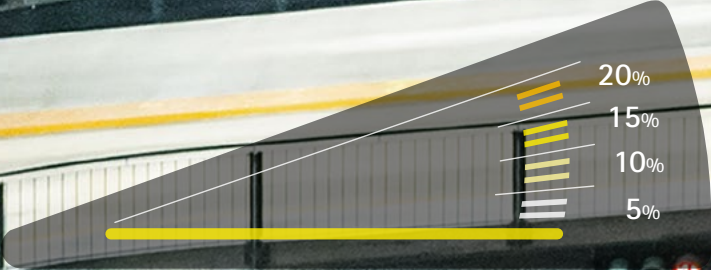
RAMP UP

REAR-WHEEL TRACTION WITH 2 INDEPENDENT MOTOR WHEELS

The rear-wheel traction with 2 electronically-controlled independent wheels provides the GMG Combinata with the necessary power to easily drive up ramps of up to 20% whilst working.

In a multistorey car park, the GMG Combinata is therefore able to move easily from one level to another, guaranteeing high-level grip when climbing, along with reliability and maximum control when manoeuvring.





it can sweep and scrub ramps with slopes of up to **20%** gradient

MINIMUM AISLE TURN

3135 mm

The combination of rear-wheel traction and independent motor wheels enables a small turning circle, which remains within the machine diagonal of 3135 mm.

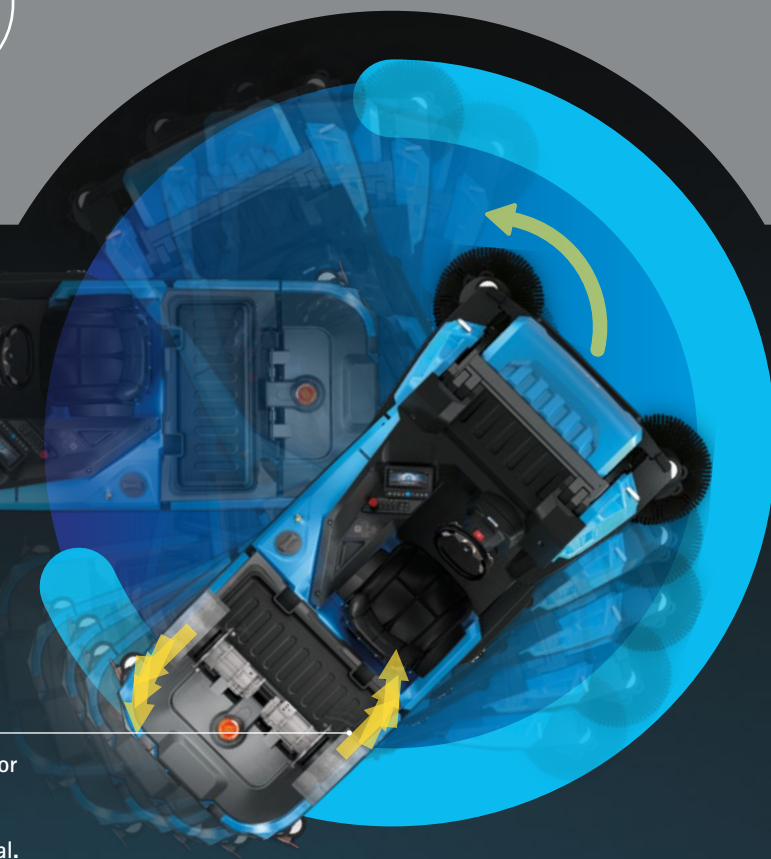
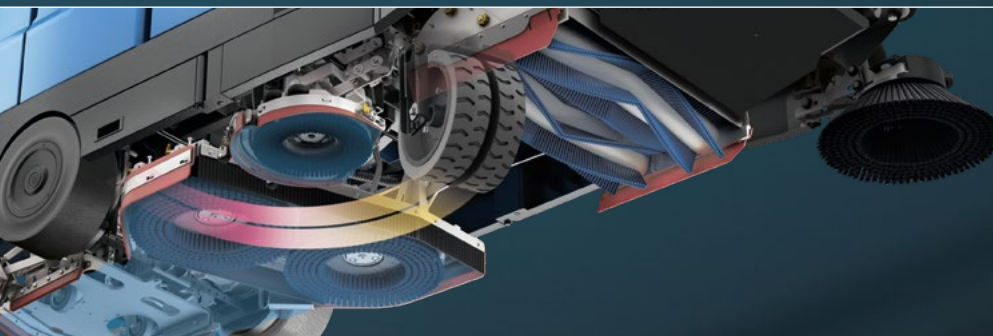
As a result, the space required for manoeuvring is also minimal.

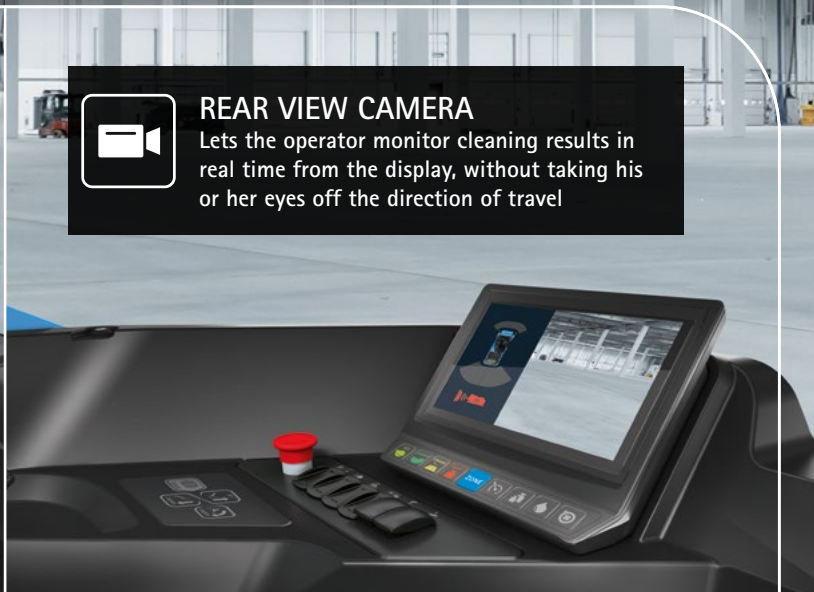
The friction that is usually generated in reversing leads to significant energy consumption, which negatively affects the working autonomy.

The action of the independent rear motor wheels together with the double front wheel on the GMG Combinata considerably reduces the friction produced when steering. This avoids unnecessary energy dispersion, extends battery run time and increases productivity.

Power steering improves comfort

The power steering makes the steering wheel lighter, increases manoeuvrability and reduces operator fatigue while driving.





REAR VIEW CAMERA

Lets the operator monitor cleaning results in real time from the display, without taking his or her eyes off the direction of travel


FUNCTIONS TO INCREASE POWER

The Power Mode and Heavy Mode functions allow you to get the maximum cleaning power instantly, by activating just one control. Vacuuming power, brush pressure and detergent solution flow rate are raised to the highest level.



POWER MODE

A simple touch of the side paddle raises the cleaning functions to the maximum for 120 seconds. This function is effective when the operator finds a small area with adherent dirt during the cleaning operation. In this case, it is useful to temporarily leave the cleaning configuration in use in order to benefit from the maximum cleaning power to remove localised dirt.

 for **120** seconds
Maximum cleaning power



HEAVY MODE

Maximum activation of cleaning functions has no time limits. It is a working mode, suitable for very dirty environments. The operator simply presses the Heavy Mode button to start working at maximum performance for as long as it is needed.



Maximum cleaning power with no time limits!

Get access to more information to improve performance, enter the digital world of GMG Combinata

ON-BOARD COMPUTER

With the touch screen display you have access to information that is essential to make more efficient choices and enhance the professionalism of interventions, thus increasing productivity and reducing costs.

Display at any time:



- telemetry to track the energy consumption of the functions

- report of usage time, sq.m. cleaned and liters of water used

- remaining autonomy of batteries and tank, and projection of savings that can be achieved in Eco Mode

id-intelligent Drive



TOUCH SCREEN DISPLAY



LOG-IN WITH PASSWORD



ZONE PROGRAMS



CRUISE CONTROL



SUSTAINABLE CLEANING



MAINTENANCE CLEANING



FAST CLEANING



HEAVY-DUTY CLEANING



TIMED CLEANING POWER



REAR VIEW CAMERA



ANTI-COLLISION SYSTEM



OPERATOR TRAINING VIDEO TUTORIALS



USER MANUALS IN 24 LANGUAGES



The operator is the centre of a high-tech universe, where everything is easy, intuitive and dynamic

All functions and activities are managed from a single interface, where a mere touch of the finger offers access to an extraordinary choice of customizable features to satisfy all types of requirements with extreme simplicity.

The high definition colour display offers the same intuitive experience as a smartphone



Touch screen Display



LOG-IN WITH PASSWORD

Protects your investment from unauthorized or improper use



REAR VIEW CAMERA

Increases safety during manoeuvres and helps control cleaning performance



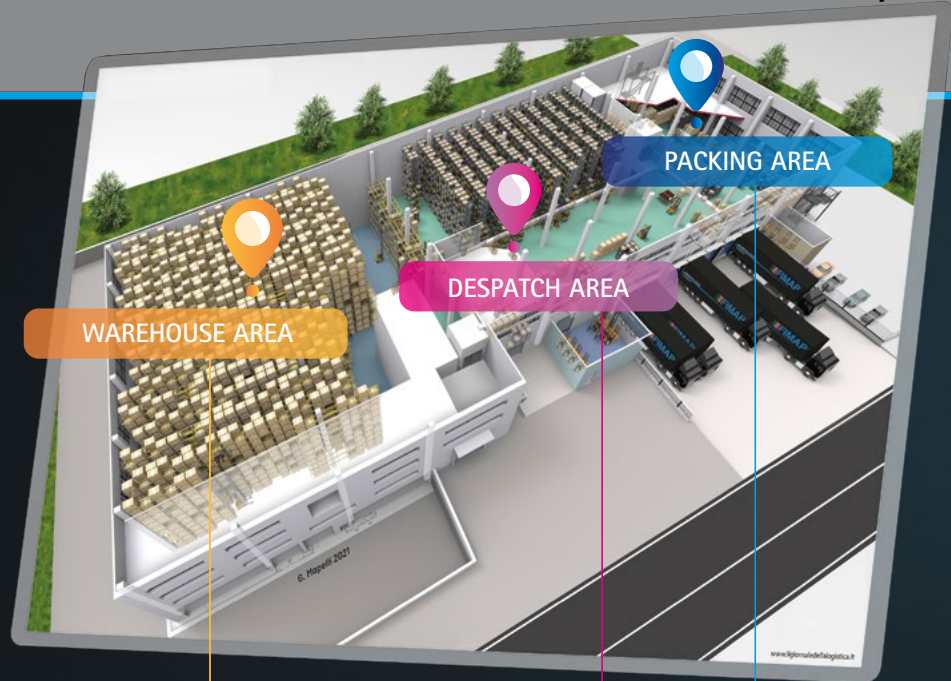
OPERATOR TRAINING VIDEO TUTORIALS

Reduce training costs, providing quick instructions on how to perform ordinary maintenance operations

9 working programs to achieve the best results with the maximum efficiency



Set your goals: with zone and working programs, you reduce the risk of error, make cleaning operations effective on the first pass and achieve desired results without any uncertainty



4 ZONE PROGRAMS

Set up to 4 zones that are frequent on your cleaning sites to help the operator carry out the task properly.

Save the cleaning settings you consider suitable for each zone; once the zone has been selected, the GMG Combinata will start working with the configuration you set



Working programs guide the operator through an intuitive selection of the most suitable cleaning configuration



5. ECO MODE

For light maintenance cleaning, where you can use less resources and work with a low noise level



6. COMFORT MODE

For ordinary, not heavy-duty cleaning, suitable for daily tasks



7. DYNAMIC MODE

For routine cleaning where greater productivity is required, it allows tasks to be done quickly



8. HEAVY MODE

For heavy-duty operations, to clean very dirty floors that require high cleaning power



9. POWER MODE

For 120 seconds of maximum power, enabling localized dirt to be removed with ease

Some working programs can be selected from either the touch screen display or the membrane keyboard below



GMG *Combinata*



Connect to your fleet,
increase productivity
with the My.Machine app



FIMAP FLEET MANAGEMENT

Track the performance of your fleet easily, through your smartphone, with the My.Machine app. You can see where the machines are located, whether the planned cleaning schedule is being followed, and whether something unexpected has

occurred. Enter the profile of the GMG Combinata and check the list of maintenance activities performed and any issues that have occurred, in order to remain in full control of the situation and keep productivity high.

Manage your fleet remotely with the FFM – Fimap Fleet Management system, use the My.Machine app to access data at any time and don't miss a single detail of the status of your machines



Watch the video



INDOOR TRACKING

Tracking of cleaning activities within buildings, to detect which areas have already been cleaned and which are still to be completed.



MISSION CONTROL PART PROGRAM

The supervisor can set a weekly cleaning schedule and send it remotely to the machine. This enables the operator to follow the set schedule, ensuring the desired cleaning standards are maintained, and keeping costs low.



GEOLOCATION

It shows on a map the machine.



USE INFORMATION

It's possible to know in what working mode the machine is operating and for how long. Moreover, it provides information about the duration of each intervention and the sq.m cleaned.



HEALTH STATUS

It is possible to monitor the health condition of both machines and batteries at any time, to have a clear view of the fleet availability and optimize its coordination.



ENVIRONMENTAL IMPACT

It is possible to see the amount of CO₂ produced by the machine since the beginning of its life cycle.



ALARMS

The anomalies occurred are summarized in a list which includes a description of the type of issue, and the date and time of the event. It helps you to have an overview of the improper uses that need to be corrected.

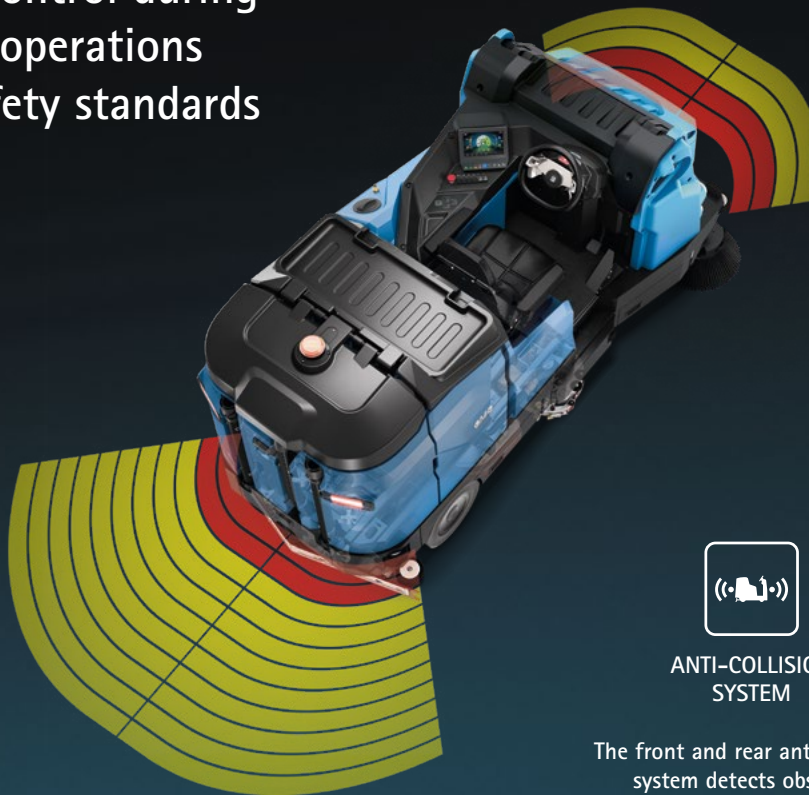


SERVICES

An overview of the list of the maintenance services performed allows to identify discrepancies with the health condition of the machine in case an anomaly is detected, and to monitor the inspections of the whole fleet.

GMG *Combinata*

Greater control during
cleaning operations
raises safety standards



ANTI-COLLISION SYSTEM

The front and rear anti-collision
system detects obstacles

The front and rear sensors make two different sounds.
While the machine is moving the operator can recognise by the sound whether the obstacle is in
the front or in the rear of the machine.

In the Plus versions, in addition to the sound, the level of approach to the obstacle
can also be viewed on the display.
The front sensors are automatically activated when the machine drops below a certain speed
during forward travel.



ACTIVE TECHNOLOGIES to prevent accidents

In large spaces where there can be obstacles such as machinery or shelves, the GMG Combinata always ensures full control of the surrounding space, so that the necessary manoeuvres can be carried out in the utmost safety.



REAR VIEW
CAMERA

Increases the safety of reverse
manoeuvres



Greater control during cleaning operations raises safety standards

ACTIVE TECHNOLOGIES to prevent accidents



Enhances visibility in dim light

TOUCH SCREEN
DISPLAY



Maintains a constant speed when driving downhill, and prevents sudden increases in speed caused by gravity

DESCENT
CONTROL



The steering wheel controls offer the operator even greater control when cleaning, and also improve safety by eliminating distractions and letting the operator keep his or her eyes on the zone ahead of the machine

STEERING
WHEEL
CONTROLS



The traction control system, which brakes and holds the machine when the accelerator pedal is released, provides assistance for both uphill and downhill gradients

STOP&GO



Control device letting the operator set the required speed

CRUISE
CONTROL



Is automatically operated when the machine stops. It works as a safety parking brake

ELECTROBRAKE



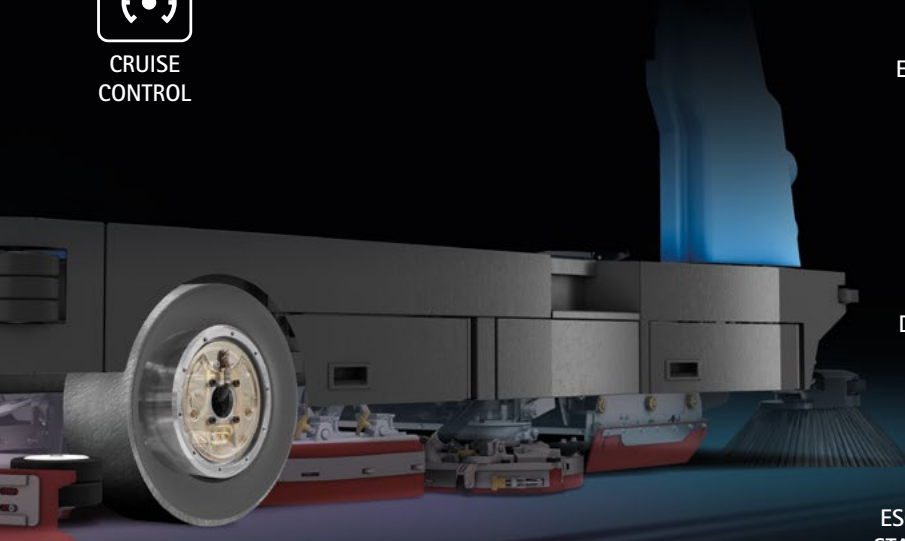
Self-adjusting, guaranteeing the best braking performance

HYDRAULIC
DRUM BRAKES



Automatically reduces speed when steering without the operator using the brake

ESC - ELECTRONIC
STABILITY CONTROL





SAFETY BELTS

Protect the operator holding him/her in case of impact



OVERHEAD GUARD

To protect operators working in warehouses and logistics centres



BLUE SAFETY SPOTLIGHT

Warns about the presence of the GMG Combinata when visibility is obstructed by shelves or other equipment, avoiding accidents



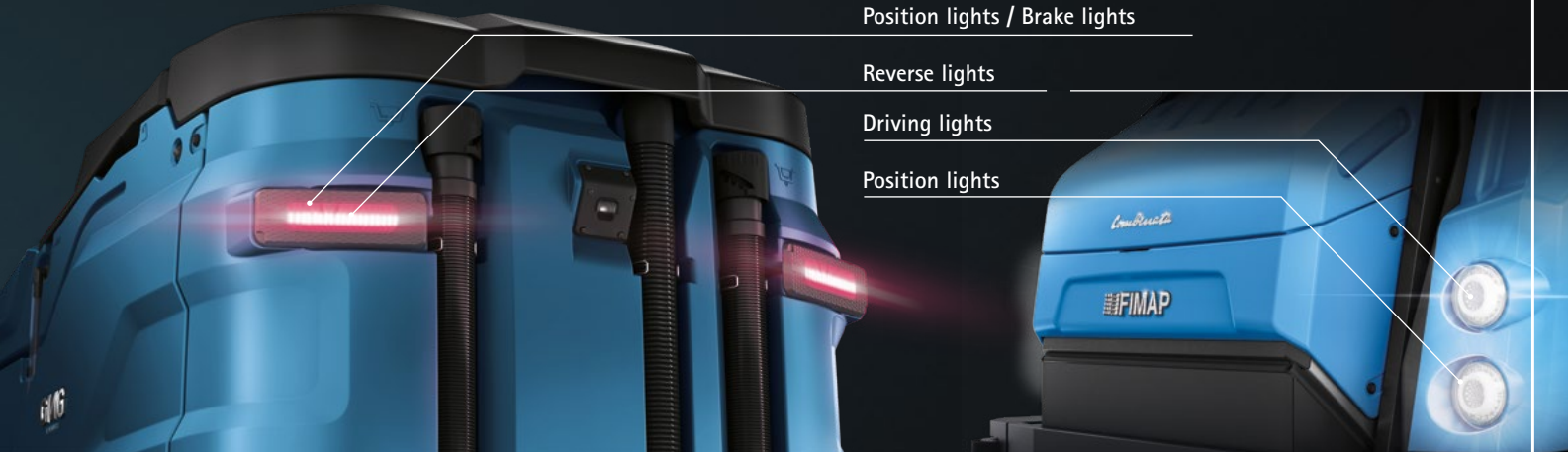
LED HEADLIGHTS

Front and rear LED headlights maximize work safety in all conditions



OPERATOR TRAINING VIDEO TUTORIALS

Any questions? The GMG Combinata has all the answers: the video tutorials help the operator in every phase of the job



Position lights / Brake lights

Reverse lights

Driving lights

Position lights

PASSIVE SYSTEMS to help the operator in case of emergency



SOS DEVICE

Reduces time to service in case of emergency. The red button sends an sms alert to receive a prompt help, reducing downtimes



EMERGENCY STOP

By pressing a single button the machine stops immediately

GMG *Combinata*



The GMG Combinata always shows you the advantages of a more eco-friendly option

During the cleaning operation, a prediction of how many resources could be saved by activating Eco Mode is shown on the display. In this way the operator can evaluate, if the dirty conditions allow it, to switch to a cleaning configuration that reduces consumption

The Eco Mode device helps you to not use more resources than necessary. When just a maintenance cleaning is required and dirt is light, you can clean using reduced amounts of water, chemical and energy. By avoiding waste, you can clean more sq.m with less resources



POCKET FILTER IN **Tetratex**



START&STOP

When the machine is idle, the brush motor, the vacuum motor, the traction and the water flow will turn off automatically, reducing costs and emissions.

All the functions are reactivated automatically as soon as the operator touches the accelerator again.



The microporous structure of the Tetratex® membrane enables emissions that are close to zero. Particulate matter remains trapped on the filtering surface, thus reducing environmental emissions.



Choose how to reduce the environmental impact of cleaning operations with Fimap sustainable technologies

WATER



FSS-FIMAP SOLUTION SAVER
The amount of water and chemical are dosed separately

up to **50%**
It reduces water and chemical use by



FLR-FIMAP LONG RANGE
System that recycles the cleaning solution, increasing the working autonomy

up to **66%***
It reduces water and chemical use by



FWF-FIMAP WATER FLOW
Ensures uniform cleaning results across the entire working width on the first pass, optimising detergent solution consumption

ENERGY



FES-FIMAP ENERGY SAVER
The GMG Combinata is a machine with many functions, each of which is powered by a dedicated motor. Thanks to its careful design, the various motors have been sized to optimise energy consumption, whilst offering the best performance and maximum efficiency.

up to **35%**
It reduces energy consumption by

* Per cleaning operation. Saving calculated on a triple recycling cycle

GMG *Combinata*

Choose the version

Membrane control panel



that meets your needs



Touch screen
display



PLUS

Customize your machine with the most suitable accessories for your industry

OPTIONALS



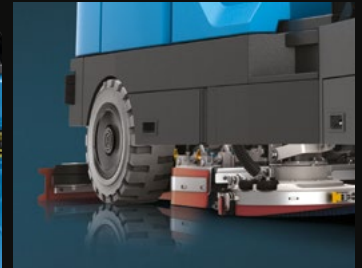
Vacuum wand



Spray gun



Adjustable Comfort seat complete with armrests and safety belt



Super elastic front and rear wheels



FFF-FIMAP FAST FILL



Side scrubbing brush with vacuum system



FFM-FIMAP FLEET MANAGEMENT



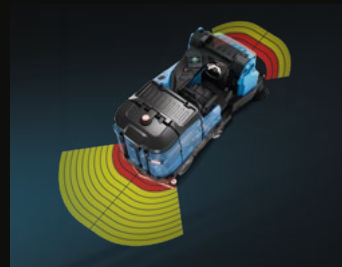
Service LED lights



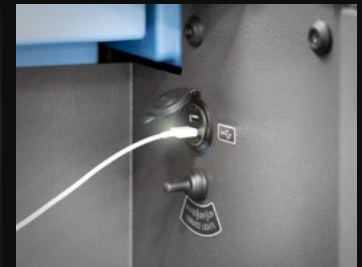
Overhead guard



BLUE SAFETY SPOTLIGHT



Anti-collision system (front - rear)



USB ports for charging mobile devices



FSS-FIMAP SOLUTION SAVER



FLR-FIMAP LONG RANGE



Antibacterial tanks help inhibit the growth of bacteria and mold

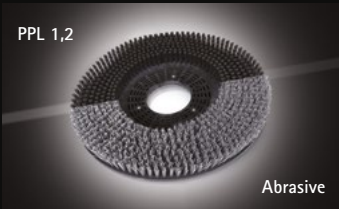


The cloth pocket filter increases filtering performance in dusty environments



With the Tetratex® pocket filter, high filtration efficiency is achieved, even in the most demanding environments in specific industries

ACCESSORIES



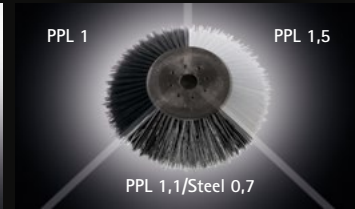
CENTRAL BRUSHES FOR THE SCRUBBING UNIT



SIDE BRUSHES FOR THE SCRUBBING UNIT



CENTRAL BRUSHES FOR THE SWEEPING UNIT



SIDE BRUSHES FOR THE SWEEPING UNIT

A selection of disc or cylindrical brushes is offered for dealing with any type of dirt on any floor

Abrasive brushes:

Suitable for heavy-duty cleaning of industrial floors

The application of a pad holder allows the use of various types of pads according to the treatment to be performed



REAR SQUEEGEE RUBBER BLADES

33 SHORE (PARA): For maintenance cleaning of smooth floors

40 SHORE (PARA): For stubborn dirt on floors with joints

POLYURETHANE: For heavy-duty cleaning and collecting oil on industrial floors

LINATEX™: Suitable for all surfaces from smooth to uneven, they provide excellent performance because they are more resistant to wear, temperature changes and use of aggressive chemicals

EQUIPAGGIAMENTI DI SERIE E A RICHIESTA

USER EXPERIENCE	GMG Combinata Pro	GMG Combinata Plus
iD-Intelligent Drive:	-	•
- Display touch screen a colori alta risoluzione da 9 pollici	-	•
- Login tramite password	-	•
- Programmi a zona	•	•
- Controllo velocità	•	•
- Eco Mode	•	•
- Comfort Mode	-	•
- Dynamic Mode	-	•
- Heavy Mode	-	•
- Power Mode	-	•
- Power	•	-
- Indicatore digitale livello soluzione	-	•
- Telecamera posteriore	-	•
- Sistema anticollisione (ant. - post)	•	•
- Video tutorial di formazione per l'operatore	-	•
- Manuali di utilizzo in 24 lingue	-	•
- Computer di bordo (contachilometri, telemetria, resoconto dell'ultimo intervento di pulizia, autonomia residua)	-	•
- Avviso di manutenzione	•	•
- Tastiera soft touch con selezione modalità di lavoro	-	•
Tastiera soft touch per manovrare il contenitore di raccolta del gruppo spazzante	•	•
Pannello di controllo con comandi soft touch	•	-
COMFORT		
Contaore	•	•
Indicatore livello soluzione	•	•
Spia di riserva serbatoio acqua pulita	•	•
Lancia di aspirazione	○	○
Pistola di pulizia serbatoi	○	○
Sedile base	•	-
Sedile Comfort regolabile con braccioli e cinture di sicurezza	○	•
FFF (Fimap Fast Fill)	○	○
Aggancio/sgancio automatico spazzole centrali del gruppo lavante	•	•
Aspirazione silenziosa	•	•
Sistema di sollevamento basamento e tergipavimento automatico	•	•
Servosterzo	•	•
Ruote superelastiche	○	○
Pedana posteriore per agevolare le operazioni di manutenzione	•	•
Porte USB per la ricarica dei dispositivi mobili	○	•
Scarico elettrico in quota cassetto di raccolta	•	•
PRODUTTIVITÀ		
Regolazione soluzione detergente	•	•
Regolazione pressione su tre livelli	-	•
Extra pressione	•	•
Regolazione aspirazione	•	•
Spazzola laterale dx lavante con aspirazione	○	○
Spazzole laterali spazzanti	•	•
2 motori di aspirazione a 3 stadi	•	•
FFM (Fimap Fleet Management) con dispositivo SOS, mission control part program e indoor tracking	○	○
Tergipavimento con trattamento anticorrosione	•	•
Paraspruzzi laterali	•	•
Trazione posteriore con 2 motoruote indipendenti	•	•
Motori brushless (trazione, spazzole, aspirazione)	•	•
Batterie con rabbocco automatico	○	○
Ramp up	•	•
Scuotifiltro automatico	•	•
Omologazione stradale (porta targa anteriore-posteriore, luci anteriori-posteriori, indicatori di direzione, specchietti retrovisori e lampeggiante)	○	○
SICUREZZA		
Lampeggiante	•	•
Fari di guida a LED (ant. - post.)	•	•
Luci service a LED	○	•
Stop&Go	•	•
Descent control	•	•
ESC (Controllo Elettronico della Stabilità)	•	•
Emergency Stop	•	•
Tettuccio di protezione	○	○
Serbatoi antibatterici	○	○
Blue safety spotlight	○	○
Freni posteriori idraulici a tamburo	•	•
Elettrofreno	•	•
AMBIENTE		
Filtro a pannello	•	•
Filtro a sacche in stoffa**	○	○
Filtro a sacche in Tetratex***	○	○
FSS (Fimap Solution Saver)*	○	○
FLR (Fimap Long Range)*	○	○
FWF (Fimap Water Flow)	•	•
FES (Fimap Energy Saver)	•	•
Start&Stop	•	•

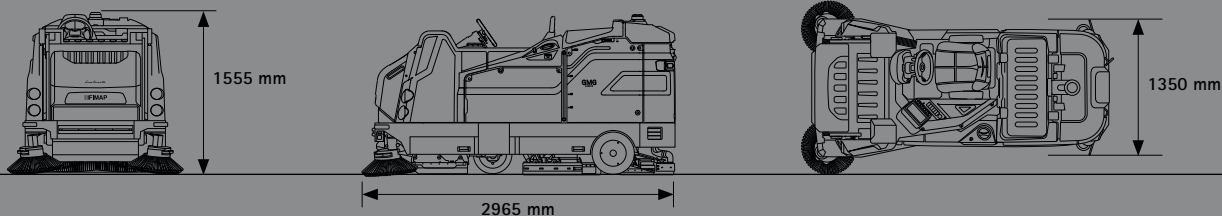
(*) I dispositivi non possono essere installati assieme (**) I filtri non possono essere installati assieme

• STANDARD

○ A RICHIESTA

- NON DISPONIBILE

DIMENSIONI E DATI TECNICI



DATI TECNICI – GMG Combinata		GMG Combinata Pro	GMG Combinata Plus
Produttività teorica	fino a m ² /h		17000
Produttività reale	fino a m ² /h		15300
GRUPPO LAVANTE			
Larghezza lavoro con spazzole a disco	mm		1000
Larghezza lavoro con spazzola laterale	(n.) mm		(1) 1200
Motori spazzole (centrali / laterale)	(n.) V/W		(2) 36/1500 - (1) 36/250
Giri spazzole (centrali / laterale)	giri/min		315/140
Pressione sulle spazzole centrali	fino a kg		250
GRUPPO SPAZZANTE			
Larghezza lavoro con spazzole cilindriche	mm		850
Larghezza lavoro con spazzole laterali	(n.) mm		(2) 1700
Motori spazzole (centrali / laterali)	(n.) V/W		(2) 36/1000 - (2) 36/300
Giri spazzole (centrali / laterali)	giri/min		610/105
SERBATOI E SISTEMA DI RECUPERO			
Serbatoio soluzione	l		300
Serbatoio recupero	l		350
Motore aspirazione	V/W		(2) 36/600
Depressione aspiratore	mbar		200
Capacità tanica detergente (FSS)	l		32
Volume massimo contenitore di raccolta	l		90
BATTERIE			
Alimentazione/trazione	V		36/aut.
Batterie	(n.) V/Ah		(1) 36/510-625-775 WET - 38,4/720 Li-ion
Autonomia batterie*	fino a h		6 (WET) - 7 (Li-ion) *
SISTEMA DI AVANZAMENTO			
Velocità massima di avanzamento in lavoro	km/h		9
Velocità massima di avanzamento in trasferimento	km/h		10
Pendenza massima superabile (in lavoro / trasferimento a pieno carico / rampa furgoni a vuoto)	%		20
Motore trazione	(n.) V/W		(2) 36/3300
PESI E MISURE			
Dimensioni macchina (L x h x l)	mm		2965 1555 1525
Larghezza tergilavaggio	mm		1350
Peso macchina a vuoto senza batterie	kg		1475
Peso macchina a vuoto con batterie	kg		2250
Peso macchina in lavoro (GVW)	kg		2745
Livello di pressione acustica (ISO 11201) – L _{pa} – Eco Mode	dB (A)		71,5
Spazio minimo inversione di marcia	mm		3135

*Autonomia calcolata su un ciclo di lavoro continuato

I pesi sono calcolati sulla base di un modello standard di riferimento

SERVIZI

CONSULENZA E PROGETTAZIONE



Mettiamo al tuo servizio la nostra esperienza, per aiutarti a realizzare il progetto di pulizia ideale per te. Ti proponiamo le soluzioni migliori per far scendere le spese e far crescere il valore del tuo servizio.

SETUP



Ti supportiamo nella programmazione delle macchine in modo che rispondano esattamente alle esigenze di pulizia dei cantieri di cui ti occupi, permettendoti di aumentare il controllo sui costi e sui risultati.

RETE OFFICINE AUTORIZZATE



La rete di Officine Autorizzate Fimap si sviluppa in tutto il mondo. Puoi contare sulla competenza e sulla tempestività dei nostri tecnici ovunque sia distribuita la tua attività.

CONFIGURAZIONE



La tua attività è unica, per dare il massimo ti serve una flotta su misura. Ti aiutiamo a selezionare le configurazioni più adatte a soddisfare le caratteristiche specifiche dei tuoi cantieri, così da ottimizzare i processi e tagliare i costi.

CORSI DI FORMAZIONE



Con la nostra scuola Fimap Academy proponiamo corsi a tutti i livelli, dall'uso delle macchine e delle tecnologie, fino alla gestione dei cantieri e degli appalti, per aiutarti a rendere il tuo servizio davvero competitivo.

MANUTENZIONE E RIPARAZIONE



Con i pacchetti di manutenzione ti aiutiamo a garantire la continuità del tuo servizio. I nostri tecnici controllano regolarmente lo stato di salute delle tue macchine e sanno intervenire in modo rapido ed efficace quando ne hai bisogno.

SOLUZIONI FINANZIARIE



Puoi scegliere di usufruire della flotta in diverse modalità. Possiamo consigliarti la soluzione finanziaria migliore per il tuo business, per farti avere la qualità del mondo Fimap alle condizioni più convenienti per te.

GESTIONE DIGITALE DELLA FLOTTA



Con Fimap Fleet Management niente può sfuggire al tuo controllo. Puoi avere una panoramica chiara del tuo servizio e individuare le aree di miglioramento basandoti su dati reali, sempre disponibili e accessibili tramite l'app My.Machine o il portale FFM.

RICAMBI ORIGINALI



Non accontentarti, scegli l'affidabilità dei ricambi originali Fimap. Sono progettati insieme alle macchine stesse, per questo si adattano perfettamente e assicurano la massima qualità delle prestazioni.

LE CERTIFICAZIONI



ISO 14064-1:2018



ISO 14067:2018



RICONOSCIMENTI



Per ulteriori informazioni o per una dimostrazione contattate il vostro rivenditore Fimap di fiducia



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