

BROCHURE
CONNECTED LINE





Belrobotics
THE ROBOTIC MOWERS

Bigmow

Belrobotics
THE ROBOTIC MOWERS

Parmacow



A perfect cut in automatic mode

From now on, the size of the area to be mown, nor the quality of the result that you wish to obtain, nor the ground features will make you work any longer.

Belrobotics has created the highest performance and most innovative range of robot lawn mowers there is.

And it is because Belrobotics knows the requirements of professionals and those who like beautiful lawns that **its robot solutions considerably reduce working time, ensuring an unrivalled turf quality and that are designed with durability in mind.** Less expensive to buy, energy-saving, double the service life, saving time and effort, so they give you an overall saving of 50%.

Be demanding and simplify your life. Belrobotics robots are already used by thousands of professionals, sports clubs, land owners and are even working in complex public and private facilities.

Take the time to discover our 2.0 range: the Connected Line. Robots that provide even more quality, are even quieter and even simpler to use.

***“A perfect cut without any human intervention.
That is our promise to you.”***

Your four main exclusive benefits





50 % more savings than conventional mowing

Quality conventional mowing requires a considerable amount of labour, regular maintenance of the equipment and energy costs. None of this is needed with Belrobotics robots. **They work independently and tirelessly, are made of robust materials and only need the electricity needed to recharge them.**

What more can you ask for?



Labour optimised to the maximum

Day and night, the Belrobotics robot mowers run their program at any time to maintain the perfect result. **You will benefit from a workforce that is very economical, available 24/7 and which performs with quality.**

This allows both you and your team to concentrate on other tasks. With our automowers to support you.



Perfect turf, uniform grass

Nothing is more pleasant than to be able to show healthy, impeccably mown grass to your visitors and players.

Belrobotics automatic lawn mowers are fitted with floating heads and stainless steel blades that cope perfectly with any unevenness of the ground.

It is an unrivalled technology that maintains your turf and by extension, your reputation. They will admire and talk about your grounds.



90 % reduction in CO₂ emissions, to ensure sustainability

You can dispense with using excessive chemical fertilisers, waste management for grass cuttings and lawns that are not weather-resistant. The result of mowing carried out by Belrobotics smart lawn mowers is 100 % natural, because they are fitted with blades that ensure perfect mulching, which means fertilising your grounds, while drastically limiting evaporation.

This is a technology that ties in with Belrobotics' responsible, global approach to the long term. And if the future were simply to be green?

Uncompromising functioning & technology

Guide wire and autonomous mowing

Well-designed installation is the key to the performance of Belrobotics smart lawn mowers. A detailed diagram of the grounds allows the working areas to be defined properly, by way of a buried perimeter wire. Furthermore, GPS technology allows for sub-areas to be created, for example high-density spots where the grass requires more frequent mowing.

This means the mowing strategy is never interrupted and is performed completely autonomously.

A history of operation and productivity will allow you to refine the mowing program.

Safe charging station

The Belrobotics automatic lawn mowers are programmed to charge their batteries whenever necessary. This is a process that can be carried out flawlessly thanks to a charging arm positioned at 45° and a completely safe low voltage power supply. Robot mowers connect to the charging station in automatic mode.

Guidance and navigation without detours

The on-board technology of Belrobotics smart lawn mowers was designed from the start to be able to operate on very large areas. **The quality of guidance signal is such that stray signals will not disrupt the work of the robot mowers, even in an extreme or industrial environment.**

Faced with an obstacle on return to the charging station, the smart lawn mower makes use of GPS technology to avoid these, which saves a considerable amount of time, indirectly improving cutting capacity.

Multiple safety systems

The Belrobotics robot mowers are fitted with sonars and sensors allowing them to detect obstacles, touching them at very low speed. Front bumper's built-in sensors gather cartography elements. **Your equipment and your visitors will remain safe.**

The cutting blades are equipped with protective deflectors. And if the robot mower is lifted, the rotation of the blades stops immediately. You can be assured that we have thought of everything.

Warning system in case of theft and malfunction

If the robot lawn mower is lifted or overturned, it immediately stops working.

Built-in GPS and dedicated apps will warn all allowed entities, from user to ourselves at Belrobotics, through dealer and distributor. And, of course, GPS will do a great deal in retrieving the robot. A reassuring point and, in fact, our robots being quite specific, they are no designated preys to the illegal market, as extremely low figures show.

Clean cutting and 100 % natural fertilisation

Grass can grow at up to 4 - 8 cm a week. The Belrobotics robot mowers are programmed to obtain constant and effective mulching. Depending on the program chosen, the total area of your field will be mown at least 3 to 5 times a week.

The vegetable matter from mulching will fertilise the soil in a 100 % natural way, while slowing evaporation. The turf will be in top condition and you can say goodbye to weeds.

Slopes of up to 45 %

The Belrobotics robot lawn mowers are fitted with anti-slip wheels controlled by a powerful motor. **This guarantees effective working even on wet ground or with slopes at 30 %, or 45 %, if the upgrade kit is ordered.**

Silent operation

Belrobotics automatic lawn mowers are suitable for quiet environments. **Almost imperceptible even from a close-by distance (maximum 52 dB A), mowing can be done overnight and on Sundays.**

At any time

Belrobotics automowers never stop. Adapted programming and durable materials allow working outside permanently and in any atmospheric conditions.

Forget about the rain and put your robot mower to the test. If there is frost or extreme warmth, the robot mower automatically stays at its station.



Unique robot mowers all like you

Our response to your requirements
for cutting quality? **World exclusives.**



5 safe floating cutting heads

Belrobotics robot mowers are fitted with 3 to 5 floating cutting heads, depending on the model, that can adapt immediately to the ground elevation. Each cutting head is fitted with 3 stainless steel blades, providing perfect, constant mulching.

This exclusive technology not only monitors safety of operation, but also a regular cut of the grass.

A self-cleaning system by centrifugal expulsion drastically reduces the need to maintain the robot mower.

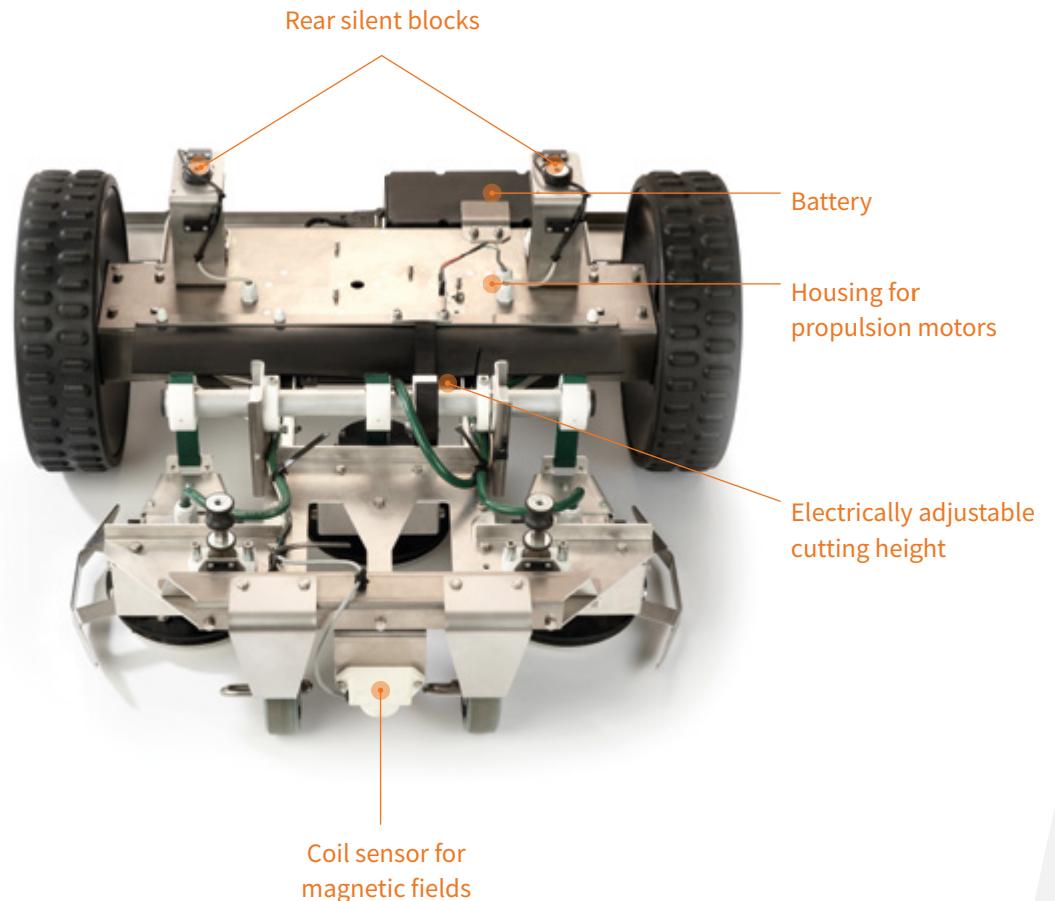
A safe, uniform cut.

Unique piloting technology

Belrobotics charging stations emit a signal, creating an individual electromagnetic field. The automatic lawn mowers are equipped so as not to be influenced by other electromagnetic signals. Moving one or more Belrobotics robot mowers over very large mowing zones can be done without any conflict.

All you have to do is control the performance of your smart lawn mowers with your smartphone. Stopping, piloting or restarting a robot mower is done at your fingertips.

If there is a malfunction, the machine will inform you using the Belrobotics app. Everything to simplify your life.



Robust materials see to durability

The Belrobotics equipment is not developed just for domestic use. They are designed to perform professional work for several years.

The materials and each of the parts are selected and tested under the most stringent conditions corresponding to the ground conditions, and even beyond that. Your robot will withstand any atmospheric and other conditions without any risk. The LiFePO₄ batteries fitted in the Belrobotics robots are, in their category, the most powerful in the world. They only require a reduced recharging time for a long usage time. Possibly the best ever.

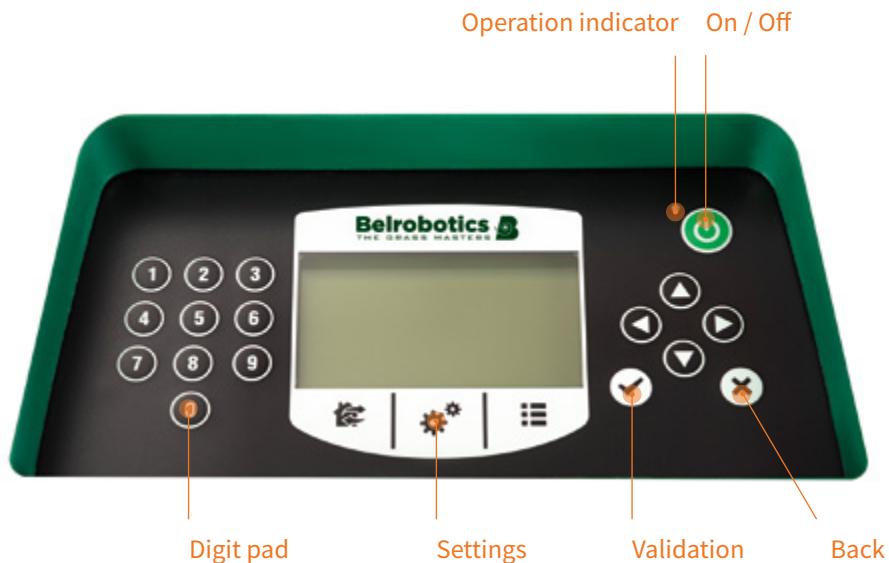
Multiple robot operation

Belrobotics technology allows you to manage a fleet of up to 6 robots operating on one or more parcels at the same time.

The robot mowers work as a team and may have identical or different operating programs.

Connected Line

A new pure innovation range



Our innovations, your real-time benefits

Advanced mechatronics

- Different cutting heights can be selected per parcel of same site (golf range and fairway, multi-field football place, ...).
- Adaptive cutting height: if grass too high related to selected cutting height, the robot will automatically raise its cutting heads to a safe level. Cutting height will gradually lower as grass is being mown.
- GPS-created parcels allows for more flexibility, without added cable. Robots coming back from a given parcel to station go straight back to same parcel after recharging, saving time. Return to station by GPS: self-gathered cartography makes for returns avoiding obstacles, coasting to a cable section near the station, further optimising efficiency.

Simplified user interface

- Exceptional user-friendliness. In private or professional mode.
- New functions. Particularly with a virtual assistant.
- Unrivalled navigation. Straight passes and returns to the station without detours.



Online services

Web interface & App

An unrivalled experience for dealers & users

The Belrobotics portal and app work in parallel.

To serve you even better. Thanks to them, your personal login gives access to new features that are unique on the market: modify the settings and deal with notifications remotely, geolocate and filter according to your criteria, and obtain technical support from your dealer remotely and in real time...

Customised experience

In addition to the offline features, you can benefit from advanced features. Belrobotics offers you two types of subscription: Basic and Premium.



Offline offering

Belrobotics guarantees software updates during technical maintenance operations.

Free



Basic Offering

The ideal formula for users who want to make the most of remote control of their Connected Line.

€49 / year (Bigmow, Ballpicker & Parcmow)

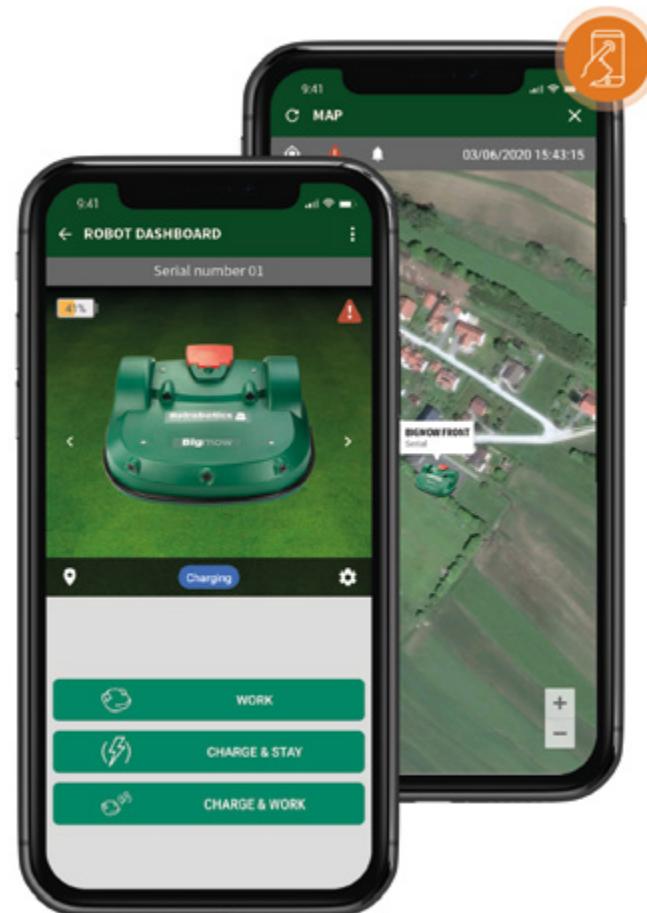


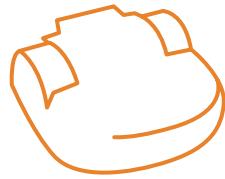
Premium offering

The most complete package on the market for demanding professional users: fleet management and remote support.

€98 / year (Parcmow)

€148 / year (Bigmow, Ballpicker)





Bigmow Connected Line

The undisputed all-terrain champion



Bigmow is the most high performance robot mower in the world

It is capable of maintaining up to 24,000 m² of turf, which means it has ambition.

Bigmow is recommended for sports pitches, driving ranges, public spaces or private estates. It is up to the challenge.

Uncompromising cutting method

Bigmow is fitted with 5 floating cutting heads that adapt instantly to the ground elevation. In total, 15 stainless steel blades provide perfect, constant mulching. Fitted with 5 sonars, the automower will instantly deactivate its cutting system if it encounters an unexpected obstacle.

A cutting width of 103 cm for uniform, safe working.



Electricity costs:

€150 / year



Cutting:

5 independent floating heads



Safety:

5 sonars

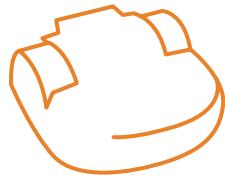


Mowing capacity:

up to 24,000 m²

The 10 extras that make a difference

1. 24,000 m² in a few hours
2. Replaces several small robot mowers
3. Much cheaper than a garden tractor
4. 10 x lower CO₂ emissions*
5. 8 x lower energy costs*
6. No noise pollution
7. 100 % ecological
8. Impeccable turf in better condition
9. Warning in case of theft or malfunction
10. GPS guidance system



Parcmow Connected Line

Endurance in green spaces



Parcmow is the automatic lawn mower best suited to individuals and public bodies and to businesses that have to manage green spaces up to 12,000 m²

Parcmow takes care of maintaining your grounds completely autonomously. Prepare to save time and money that you haven't before. The time has come for you to delegate.

Both day and night

Parcmow is fitted with 3 floating cutting heads that adapt instantly to the ground elevation. All in all, it is these 9 stainless steel blades that ensure impeccable constant mulching. Parcmow is also fitted with sonars to detect any unexpected obstacle and stop operating instantly.

Permanent quality mowing, without disruptive noise.

Electricity costs:
€100 / year

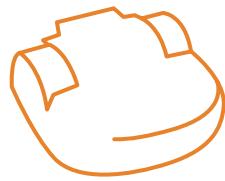
Cutting:
3 independent floating heads

Safety:
5 sonars

Mowing capacity:
up to 12,000 m²

The 10 extras that make a difference

1. 8 x lower CO₂ emissions*
2. 5.5 x lower energy costs*
3. 100 % ecological
4. No noise pollution
5. Less chemical fertiliser and various treatments
6. Less watering
7. Warning in case of theft or malfunction
8. Multiple safety features
9. GPS guidance system
10. Prevents any accidents



Ballpicker Connected Line

An automated golf ball collector machine



The Ballpicker is an automated driving range ball picker

A worldwide patented exclusive golf ball picker adopted by various clubs that keep an eye on their figures. Its coverage capacity of 30,000 m² allows it to collect more than 250 balls per cycle, that is 12 000 balls every 24 hours.

The Ballpicker works completely autonomously, and keeps the driving range accessible at all times. The chore of collecting is now a thing of the past.

Technological marvel

The Ballpicker is fitted with a roller with 5 groups of 4 polythene discs providing quiet and systematic collection. The built-in sonar sensors guarantee total safety on the driving range. Your stock of balls is always provided due to work carried out by the robot day and night. A GPS system allows it to return to its base in the shortest possible time, where it will empty its load of balls and charge its batteries if needed.

In brief, the Ballpicker collects without disturbing the golfers.

Electricity costs:
€180 / year

Efficiency:
20 collecting discs

Safety:
4 sonars

Operating area:
up to 30,000 m²

The 10 extras that make a difference

1. Ball tank for 300 balls
2. 40 x lower CO₂ emissions than a thermal machine with the equivalent return
3. No noise disruption for golfers
4. No ball is pushed into the ground
5. Warning in case of theft or malfunction
6. Multiple safety features
7. GPS guidance system
8. SMS programming system
9. Continuous access to the driving range for golfers
10. Prevents any accidents

Charging stations

Discreet and autonomous

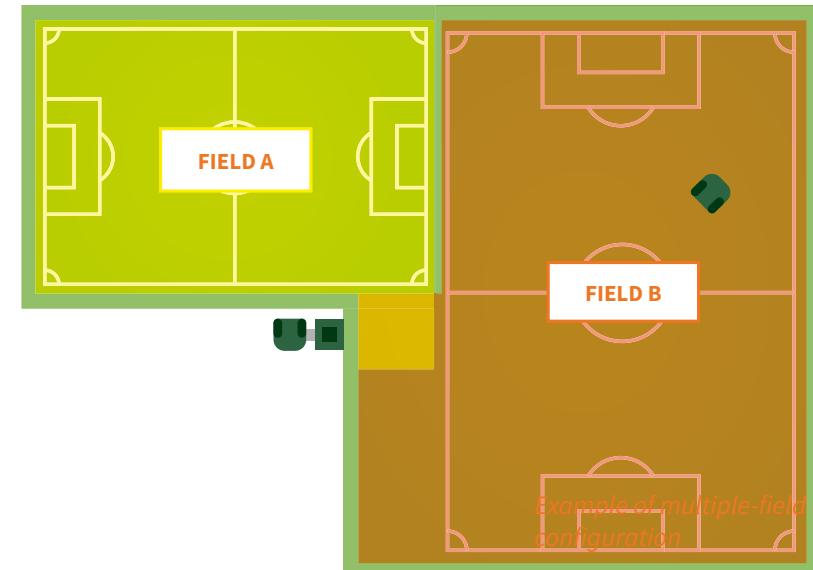
Standard Station

The most extensive charging station. Discreet and autonomous, it works in all seasons without needing your attention. Available in several configurations according to your requirements and the number of zones.

The stations of the Connected Line range incorporate the Decawave technology able to withstand difficult weather conditions and guarantee reliability of operation and return to station.



“Multiple field”: the Belrobotics robots can be programmed to mow several areas delimited by various perimeter wires.



The latest navigation technology

01



The Connected Line

GPS RTK



 **Mowing capacity:**
up to 75,000 m²

Belrobotics - GPS RTK

Equipped with the latest navigation technology available, our robots can now navigate in pattern mode.

All the advantages of our connected robots in addition to some new features with the robots equipped with a GPS RTK system.

In addition to the equipment needed for a connected line unit, the following equipment is required to benefit from these innovative features.

- A Robot
- A docking station
- GPS RTK base with Wifi
- GPS RTK License



 **Mowing capacity:**
up to 45,000 m²

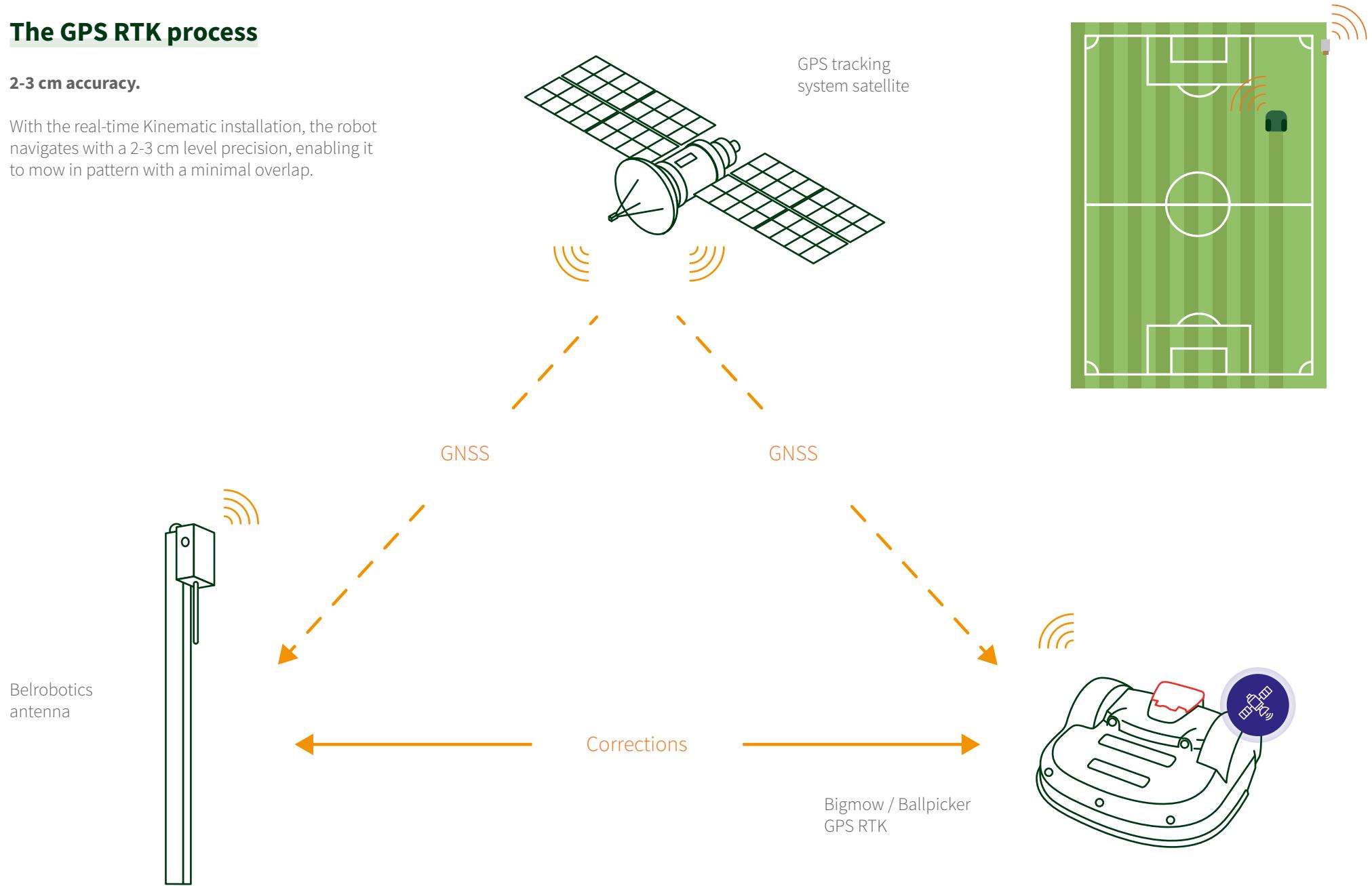
The robot is now able to:

- **Mow in a pattern mode**, say goodbye to random lines, your field can now be mown in strait lines.
- **Triple the mowing capacity**: with its cutting-edge new technology, the robot's performance is enhanced, it takes less time to mow entirely a sport field, leaving the pitch available for the players for a longer period. the single machine can now take care of more areas.
- **Enhance its ball collecting capacity**, with the pattern mode, the ballpicker is now able to collect and navigate to the drop pit in a much faster mode.

The GPS RTK process

2-3 cm accuracy.

With the real-time Kinematic installation, the robot navigates with a 2-3 cm level precision, enabling it to mow in pattern with a minimal overlap.





Sports - football

Clubs of the *Champions League*, of all divisions and local grounds have already entrusted Belrobotics automowers with maintaining more than 1,000 football pitches.

Uniform cut, 3 - 5 mows a week and a saving of 50 %. Your sports pitch will be in peak condition without human intervention.

02





Bigmow

An impeccable playing surface

Your club will save up to 50 %

This is not merely an opinion, but the conclusion of football ground managers.

A real saving made due to the massive reduction, or even elimination, of certain operating costs. Thanks to Bigmow, you will benefit, in energy savings alone, of between € 500 and € 1,000 per pitch.

- Lower energy consumption
- No waste grass cuttings, only constant mulching
- No labour or logistics costs
- Lower maintenance costs for the machine & pitch

Save time and simplify the task for groundskeepers

As a stadium manager, isn't your time all the more precious?

Automatic mowing is indispensable when the aim is to reduce manual tasks drastically.

Even when you are not there, the Bigmow robot mower will continue to work relentlessly.

- Reduced labour or devoted to other activities
- Intelligent mowing: autonomous working and automatic charging
- Endurance: 24/7 in all seasons

Adapted to every type of club

Is your turf that of a prestigious club? Or do you have a multi-sport facility? **Bigmow will manage all your pitches as the grass grows, from their configuration and the number of adjacent zones.**

Sign up to being a sustainable football club

The image of your club is also based on your sustainable nature and how you respect the environment. **Bigmow reduces your environmental footprint compared with a conventional combustion engine mower.**

- Releases 10 x lower CO₂ emissions*
- Requires 8 x lower energy costs*
- Eco-friendly: less chemical fertiliser, no deterioration of the edges
- No noise disruption: maximum 52 dB A

Completely safe sport

The Bigmow automower provides a cut without accumulating waste grass cuttings. Say goodbye to slippery and dangerous areas.

The lightweight nature of the smart mower enables it to respect to the condition of the ground and avoid any deformation. The sonars with which it is equipped, detect obstacles that it encounters on the route. If it is no longer on the ground, the blades are immediately immobilised and retract under the machine. You will also have an anti-theft and malfunction alert system. The safety premium.

“We installed our first robot mower in 2015 and found we had a better cut than with our ride-on mowers. Since then, we have fitted them in 4 additional pitches in 2016 and 5 pitches in 2017. We are very satisfied with our fleet of robots.”

Elisabeth Bonde - President of Green Spaces of the Local Authority of Arup (Denmark)

“Once a new Bigmow was incorporated into the fleet, I directly experienced structural improvements in the following weeks: density, vivacity and natural progressive regrowth, even in front of the goals.”

Susanne Walter - Groundskeeper in Bielefeld (Germany)



Boost the playing sensation

Thanks to the unique technique of mulching from Bigmow, the playing area remains impeccable, your turf is more resistant and your players benefit from a flexible and homogeneous pitch.

Better ball trajectory, precise shots at the goal and a professional experience at any time.



Sports - golf

A golf club's driving range is definitely its shop window. But it may also harm the club's image if maintaining it is not at the top of the task list.

Several clubs have already decided to buck the trend by entrusting mowing of the courses and collecting balls to Belrobotics robots. They have simply made a choice: delegate ball collection day and night to our Ballpicker, which will cover an area of up to 30 000 m² and collect up to 12 000 balls over a 24 hour day. As for mowing, Bigmow golf course mowers will manage completely autonomously and relentlessly up to 20 000 m² of driving range outfield, keeping it always ready and accessible to golfers.

Let your teams know that the driving range chores are now a thing of the past.

03



BallPicker

Automate ball collection on the driving range



The double dream of greenkeepers

A nurtured driving range commands the respect of players and guarantees the image of the club. It is therefore necessary to organise a regular golf course mowing system combined with efficient ball collection.

This is the role of the robots: while the Bigmow maintains the grass, the Ballpicker takes care of collecting the balls.

So, the robots free up your staff to perform various other tasks. Furthermore, the players will be able to continue their course unhindered in a quality, innovative club.

Simplify your life by delegating

- Reduced labour or devoted to other activities.
- Continuous ball collection: working autonomously with automatic charging
- Endurance: 24/7 in all seasons
- An ideal combination with Bigmow and other Ballpickers



Full tank (250 balls)



Tank emptied

The Ballpicker method

If you like world exclusives, you are going to love the Ballpicker.

When its routes are programmed, it will not stop running over the driving range outfield. All the more, it will demonstrate its capacity in areas where there is a high density of balls.

As soon as its ball tank is full (>250), it goes back to its base to unload them.

In a few seconds, the balls will be in the drop pit, then they are forwarded to the individual ball cleaner and distributor.

They are then available again. The Ballpicker periodically connects to its docking station by GPS guidance, so as not to waste any time. We have thought of everything.

Performance and connectivity

The Ballpicker is a technological marvel. It manages areas of 20,000 or even 30,000 m² thanks to its collection width of 95 cm.

For each cycle, it can absorb an average of 300 balls on golf courses that have a slope of up to 30 %, and detecting obstacles by sonars. A complete charging of its LiFePO4 type batteries takes barely 75 minutes.

For the sake of connectivity, the Ballpicker can be integrated into your fleet that you can remotely control.

- Management via an app for tablet and smartphone
- Anti-theft solution for geofencing alert
- Maintenance history for guaranteed proactivity

Quiet running and ball protection

What would you say to owning quiet-running equipment to obtain a more effective result? The “Golf” Bigmow can mow golf driving ranges without destroying balls due to patented protection discs which keeps the balls away from the cutting blades. This is a world exclusive.

The Ballpicker is virtually inaudible from a few metres away (max. 52 dB) and does not cause any disturbance. Thanks to its limited weight (70 kg), it never pushes balls into the ground. You will therefore benefit from an exclusive and patented collection system that recovers all the balls and then takes care of them.

- Works quietly and with a cruising speed of 3.6 km/h
- Saves thousands of balls that are always recovered
- Robust equipment and patented collection system

Respect the environment and take a sustainable approach

Golf and nature are, of course, inextricably linked. The Belrobotics robots have a low electrical consumption (540 kWh/year on average) and have 10 times lower CO₂ emission than equivalent combustion engine machines.

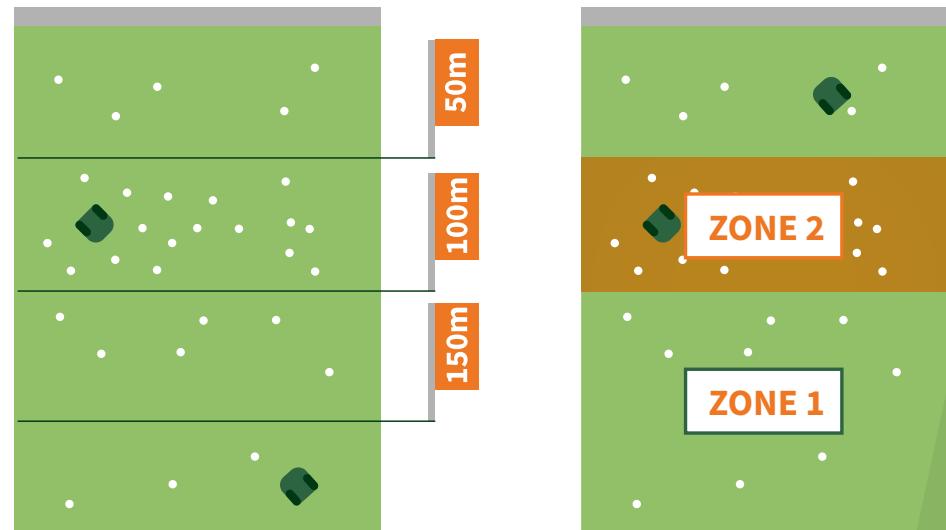
The combination of Bigmow and Ballpicker enable the spreading of chemical fertiliser to be reduced significantly and for balls to be collected efficiently, without practically any human intervention.

- Releases 10 x lower CO₂ emissions*
- No noise disruption: maximum 52 dB A
- Sustainability policy for the club

Working at night and in multiple zones

By day, the Ballpicker works at full capacity according to the density of balls to be collected. At night, it can continue and bridge any delay which would have been caused by a period of too great accumulation.

Even stronger: the multiple zone program. In peak periods, it concentrates exclusively on zones where the density of balls is the greatest.
In a second phase, the robot will proceed with collecting balls in the other zones. It is you that decides.



Example of multiple-zone configuration

*compared with a diesel ride-on mower

“My human resources can tackle other tasks, there is a higher mowing frequency, and ball collection 24 hours a day silently is completely appreciated. The players are never disturbed as they go through the golf course.”

“Here we are a 100 % eco-friendly golf course. We apply methods that respect the environment. We are virtually organic on the green.”

Frédéric Cahay
Naxhelet Golf Club



Up to 15,000 balls collected per day



Gardens & Parks

There is no need to be responsible for sports ground maintenance or a golf club to benefit from the advantages of Belrobotics robot lawn mowers. Our technology is adapted to all requirements and all environments.

Thousands of private gardens and public parks are already using our Connected Line. The objective remains the same: autonomy, performance, mowing quality, connectivity and of course, savings. We know your priorities.

04



Parcmow & Bigmow

Be demanding for your lawns and green spaces

You can leave them to work on grounds of any size

You will rightly consider that mowing your lawns takes time and costs money. You see it as a less and less bearable chore.

But there is no way that you want to compromise between saving money and quality of work. That's normal.

Let Bigmow and Parcmow take care of the maintenance of your grounds completely autonomously. These robot mowers are designed on the basis of many years of experience of all kinds of grounds and can manage areas of up to 12,000 and 24,000 m².

- Reduced labour or devoted to other activities
- Well-managed mowing: autonomous working and automatic charging

Performance and discretion

How do you define performance? By savings made or by productivity? And why not both.

The Belrobotics automatic lawn mowers provide cutting quality, power and longevity. They are also autonomous and discreet. Add to that the savings you make by using them which is appreciable in a budget.



Tailored lawn in complete safety

Do you prefer a 20 or 100 mm cut? The robot lawn mowers are fitted with several floating cutting heads with cutting height adjustable as desired.

The equipment adapts instantaneously to the ground elevation. The stainless steel blades provide an impeccable mowing of your lawns, with constant mulching. And as your lawns are made to be walked on, the sonars detect any unexpected obstacle and immobilise the automower instantaneously. Permanent quality mowing, without disruptive noise.

Respect the environment and air quality

Does a reduction of a tonne of CO₂ per year say anything to you? That is the quantity that an oak, for example, will absorb in about a hundred years. So procuring Parcmow or Bigmow is like planting trees, but benefiting from an annual fuel saving of almost €400.

Finally, no more waste grass cuttings thanks to mulching, which gives your lawn a 100% natural fertilising material.

“The lawn is mown in a completely homogeneous way and the mulching gives it a unrivalled dynamism.”

Amaury Le Grelle - La Ferme De Bilande

Remote control

Naturally, Parcmow also has the benefits of the Connected Line: an app for smartphone and tablet.

You are able to control the smart lawn mower (or a fleet) remotely, manage the mowing parameters, know the working statistics and the maintenance history, carry out the necessary software updates and activate GPS location in case of theft. Welcome to the connected garden.

Your user experience

The performance of automatic lawn mowers is not our only concern. Their manageability is essential for your usage comfort. It is designed with safety in mind and the interface is intuitive.

Functions will simplify the robot usage even further: assistants with installation, for maintenance and updating software.

“There is no way I would want to go back to my tractor. I devote my time to other things and calm reigns throughout the day. The return on investment is indisputable.”

Damien Wigny - Owner

Business & Industry

Is sustainable development part of the DNA of your organisation? If so, then Belrobotics automowers will be part of the solution.

Our technology allows you to reduce inherent maintenance costs of green spaces around your business, in a way that benefits a sustainable policy in terms of energy consumption and a reduction in your ecological footprint. Also with a proven financial benefit. That's a nice package, isn't it?

05





Connected Line

also in the service of businesses

Cut your costs increase your profits

The price for purchasing a Belrobotics lawn mower is less than that of a professional mower, not to mention the long-term cost of a maintenance contract. **You can forget waste disposal costs thanks to the continuous mulching technique.**

Also note that there is a lesser need for labour. It is easy to calculate this. To the list of savings, you can also add energy costs that are three times lower than equivalent combustion engine equipment and the need for less watering.

- Lower labour costs
- Working autonomously with automatic charging
- Endurance: 24/7 in all seasons

Environmental priority

Belrobotics robot mowers provide impeccable mowing work, are less costly to use and respect the environment.

They significantly reduce the need for repairs, thus alleviating the overall cost of groundskeeping. Constant mulching fertilises the grass naturally and reduces the need for chemical fertilisers.

- Eco-friendly: less chemical fertiliser
- No deterioration at the edges of the field

Connectivity and safety

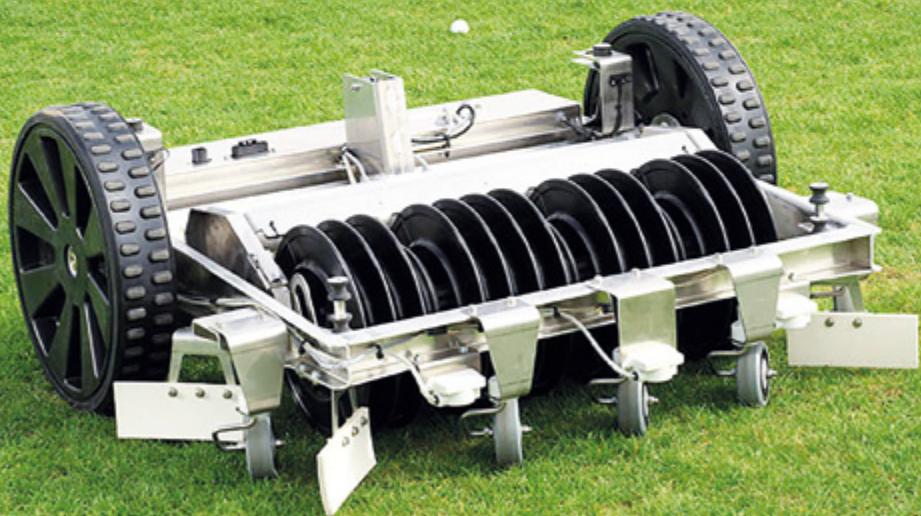
The new Belrobotics range is aimed at connectivity and ease of use. With an intuitive interface, anti-theft and malfunction warning, multiple on-board safety systems, GPS guidance system and accident prevention. Start your app and take control of your new smart lawn mower wherever you may be.

- An even more intuitive and reassuring user experience
- Simplified maintenance and remote software update
- Unrivalled and tailored navigation
- An app for tablet and smartphone, and anti-theft solution

Robots specifications

Bigmow, Parcmow and Ballpicker Connected Line.

06



Robotic mowers

Specs.

MODEL	BIGMOW CONNECTED BM-2000	PARCMOW CONNECTED BM-1000	BALLPICKER CONNECTED	BIGMOW CONNECTED RTK BM-2050	PARCMOW CONNECTED RTK BM-1050	COMMENTS
CAPACITY						
Maximum working area (m ²)	Mowing: 24,000	Mowing: 12,000	30,000	Mowing: 75,000	Mowing: 45,000	Depends on the fertilization and watering of the lawn. The presence of obstacles and slopes reduces capacity
Recommended working area (m ²)	Mowing: 20,000	Mowing: 10,000	24,000	Mowing: 55,000	Mowing: 35,000	
# sports pitches / robot	1-2	1	-	1-3	1-2	Depends on scheduled use of the pitch, as well as fertilization and watering of the lawn.
Mowing / picking Width (mm)	1,033	633	956	1,033	633	
Speed (km/h)	3.6	2.8	3.6	3.6	2.8	
Standard maximum slope	30%	35%	30%	30%	35%	
Maximum slope with option (Kit)	45%	-	-	45%	-	Robotic mower equipped with stronger motors
Basket capacity	-	-	320 - 350 balls	-	-	
CUTTING / PICKING						
# Mowing Heads	5	3	-	5	3	
# Blades	15	9	-	15	9	
Lowest cut (mm) minimum	22	22	-	22	22	
Highest cut (mm) maximum	100	100	-	100	100	
Cutting height setting	Electronic	Electronic	-	Electronic	Electronic	
Max Noise (dB)	52 at 1m	52 at 1m	61 at 1m, 52 at 5m	52 at 1m	52 at 1m	
BATTERY						
Battery Type	LiFePo4	LiFePo4	LiFePo4	LiFePo4	LiFePo4	
Standard Battery capacity (Ah)	19.2	19.2	19.2	19.2	19.2	
Battery tension (V)	26.4	26.4	25.6	26.4	26.4	
Average charging time (min)	80	80	80	80	80	1-year-old battery at 15°C
Average mowing duration per charging cycle	110	280	240	110	280	1-year-old battery at 15°C
Optional more powerful batteries (Ah)	-	-	-	-	-	
Average yearly consumption (kWh)	830	580	620	830	580	Ballpicker: based on use during 11 months of the year

MODEL	BIGMOW CONNECTED BM-2000	PARCMOW CONNECTED BM-1000	BALLPICKER CONNECTED	BIGMOW CONNECTED RTK BM-2050	PARCMOW CONNECTED RTK BM-1050	COMMENTS
WEIGHT AND DIMENSIONS						
Weight (kg)	71.9	52.9	85	71.9	52.9	
Dimensions ((L)ength x (W)idth x (h)eight) cm	111x127x51	100x104x46	118x134x54	111x127x51	100x104x46	
SOFTWARE AND MONITORING						
Pin Code security	Yes	Yes	Yes	Yes	Yes	Keyboard locked by Pin code
GPS Localization	Standard	Standard	Standard	Standard	Standard	Localization of the robot by GPS in case of theft.
Server and App for robot management	Standard	Standard	Standard	Standard	Standard	Remote control of the robot via an App and a web interface.
INTELLIGENCE						
Sonar for obstacle detection.	5 Sonar units Detection at diameter 7 cm x 40 cm height	5 Sonar units Detection at diameter 7 cm x 30 cm height	4	5 Sonar units Detection at diameter 7 cm x 40 cm height	5 Sonar units Detection at diameter 7 cm x 30 cm height	The robot detects obstacles by means of its sonar units, slows down, touches the obstacle gently, manoeuvres and leaves in another direction.
Economy adapted mowing	Standard	Standard	-	Standard	Standard	The robot detects when the grass is not growing by the resistance on the mowing heads. It then skips one or more mowing cycles.
Back to station via GPS	Yes	Yes	Yes	Yes	Yes	In open spaces only
Multiple Starting Zone	Yes	Yes	Yes	Yes	Yes	Possibility to program the start of mowing at different parts of the ground
Multi-terrain	Option	Option	Yes, more than 2	Option	Option	Possibility to program the robot to work on several adjacent terrains
Multirobot	Yes	Yes	Yes	Yes	Yes	Bigmow, Parcmow: possibility of working with several robots on a single ground Ballpicker: maximum 2 robots using the drop pit station
SECURITY						
Lift sensors	Yes	Yes	No	Yes	Yes	The robot stops immediately when lifted
Reverse sensors	-	-	Yes	-	-	Ballpicker: causes the robot to change direction
Tilt sensors	-	-	Yes	-	-	Ballpicker: causes the robot to stop when lifted more than 41°
Rear silent blocks	Yes	Yes	-	Yes	Yes	When the cover is being pushed by an obstacle, the robot will manoeuvre and leave in another direction
Safety bumper	Electronic	Electronic	Electronic	Electronic	Electronic	Manoeuvres at 200 N for the electric bumper
Deflectors on cutting head	External heads		-	External heads		

Thank you



Yamabiko Europe SA/NV

Avenue Lavoisier 35 - B-1300 Wavre, Belgium
Tél. +32 10 48 00 48 - Fax +32 10 48 00 49

www.belrobotics.com

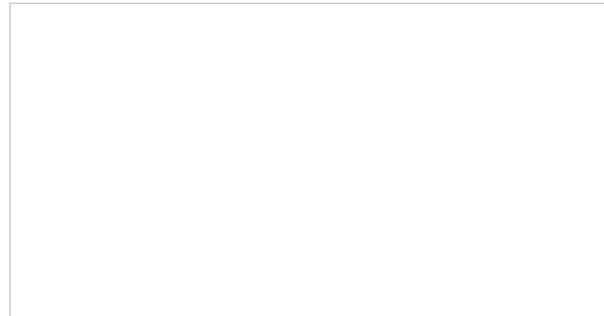


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