



**GRIN**<sup>®</sup>

CHANGE YOUR PERSPECTIVE

CATALOGUE

**2024**

[www.mygrin.eu](http://www.mygrin.eu)



## #changeyourperspective

GRIN was founded in 2005 to change the perspective of garden maintenance.

The creation and the development of our products have a common philosophy as guideline:

- To improve the quality of life
- To innovate and simplify
- To propose sustainable solutions

**Discover the GRIN R-evolution !**



CHANGE YOUR PERSPECTIVE

### GRIN GUARANTEES



**25**  
**Models**

aimed to meet your every need.



**750**  
**Authorised dealers**

to advise and help you.



**90.000**  
**Satisfied customers**

who use GRIN lawn mowers.



Check out the pictures of the gardens mowed with GRIN and read the customer's reviews:

[www.mygrin-garden.com](http://www.mygrin-garden.com)

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**#changeyourperspective**



**1.**

# **THE GRIN ECO-FRIENDLY GARDEN**

**Save time and effort**

The 3Rs of Sustainability •





# The 3Rs of Sustainability



Recycle | Reuse | Reduce



## • **RECYCLE** grass to transform it into fertilizer.

The recycling of the grass pulverized by the GRIN mowing system allows the transformation of "waste" into a valuable fertilizer that increases the presence of the organic substance in the soil: humus.

Humus is one of the key element to create a stable and fertile soil able to easily release nutrients and balance the presence of air and water.

The grass pulverization avoids its transport to the waste disposal that, apart of being tiring and annoying, implies the use of motorized vehicles, which are often polluting, and causes an expensive waste management for the community.

You can therefore save time and effort.





## • REUSE the pruning as chippings.

With the GRIN shredders, you can chop hedges, trees and bushes, obtaining useful chippings for ground covering or to mix it with the soil.

The chipping: when it decomposes, it becomes an excellent, natural fertilizer that serves as water reserve and helps protect from the drought, reducing in this way water needs. It limits the growth of weeds and therefore the weeding. It also protects the soil from the atmospheric agents, thermal stress and erosion.

Reusing pruning as chippings avoids having to dispose of it and you will therefore save time and money.



- **REDUCE the use of water and chemical fertilizers.**

The combined action of the GRIN cutting system for grass and pruning allows a significant reduction of water and fertilizer.

Water is a precious (and expensive resource) that must be saved. However, plants and lawn need it to grow lush.

Thanks to a GRIN garden maintenance, it is possible to minimize irrigation, using the humidity contained into the grass blades pulverized by the lawn mowers and keeping the soil humid with the chippings under hedges and plants.

Besides water, the lawn, the hedges and the plants need fertilizers to grow healthy.

Again, the combined action of the GRIN cutting system allows to feed the microorganisms of the soil, providing a natural and free fertilizer, that reduces or, in some cases, eliminates the use of other chemical fertilizers.



# ECO-FRIENDLY GARDEN



Save time and effort.

WOULD YOU LIKE TO TEST GRIN?



Contact us at :  
**+39.039.95.51.98**



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# 2.

# GRIN R-EVOLUTION

How it works ·

The GRIN gardens ·

Ask the expert |

GRIN vs mulching ·

Ask the expert |

Leaves are transformed into fertilizer ·



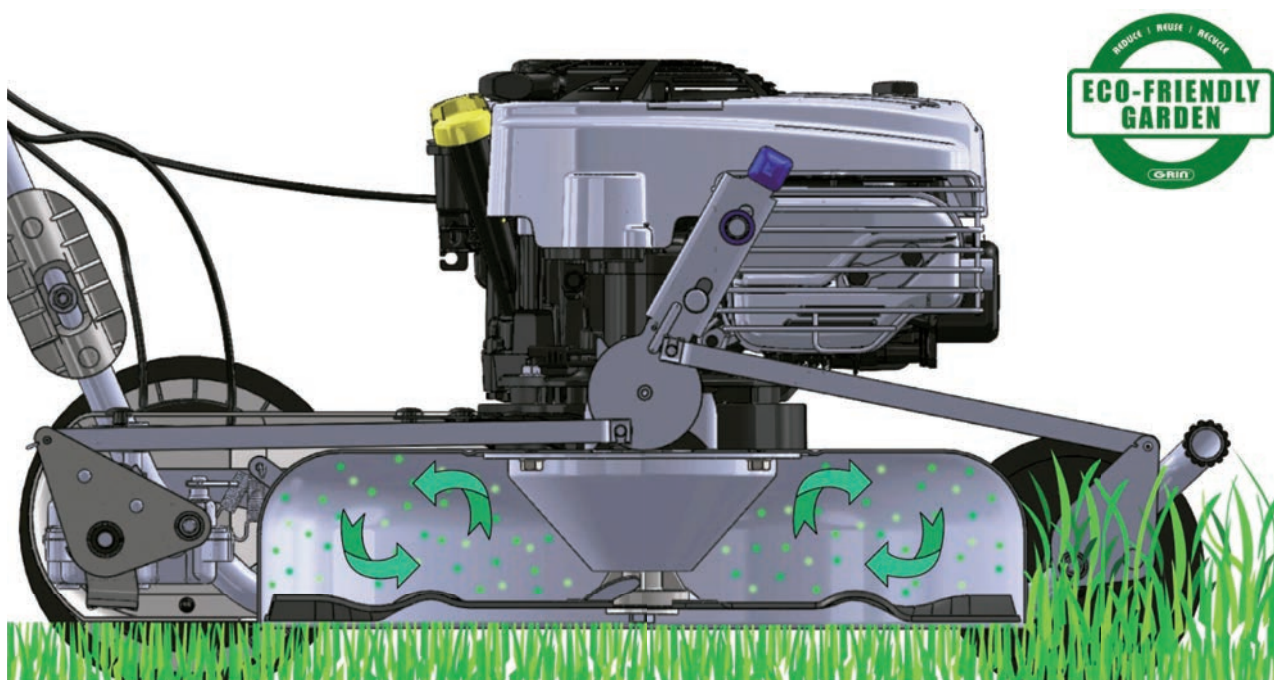
# How it works



✓ IT PULVERISES GRASS

✓ IT MOWS TALL GRASS

✓ IT IMPROVES YOUR LAWN



The patented mowing system - **MOWING, NO GRASS BAG, NO WASTE** - developed by GRIN pulverizes grass while mowing. With GRIN there is no need to collect the grass, store it and dispose of it.

The mowed grass remains suspended for a few fractions of a second inside the patented GRIN mowing deck. It is centrifuged and pulverized, thanks to the vortex created by the patented GRIN blade combined with the effect of a GRIN helix disc.

In this way the grass loses most of its volume and is pulverized into tiny little and virtually invisible particles. These particles fall directly onto the soil (they do not remain on the surface of the lawn!) and are absorbed in a very short time.

GRIN optimally processes the grass inside the mowing deck, pulverizing everything into extremely fine particles, which become an excellent fertilizer for your lawn!

Under normal conditions, the lawn looks identical to the one mowed with a mower with grass bag.

The mowing deck is so voluminous and smooth that no accumulation and clogging problems are encountered during mowing, which are typical of machines with grass bag, instead.

All GRIN mowers are built with a special frame, solely designed for this type of mowing. The GRIN frame optimizes the performance of the patented mowing system and ensures excellent results even in particularly difficult mowing conditions: tall grass, wet grass, uneven terrain etc.

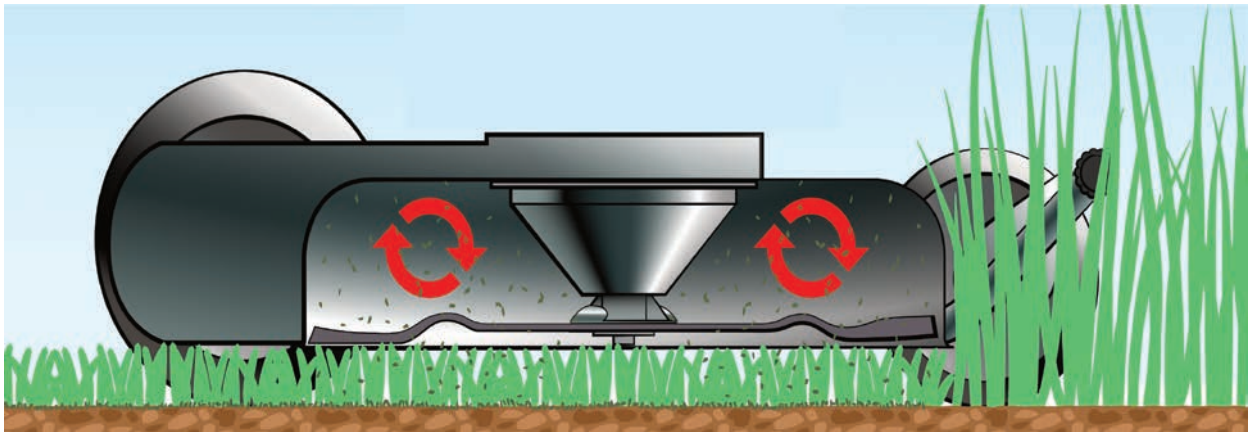


FIND OUT MORE!

# MOWING NO GRASS BAG NO WASTE

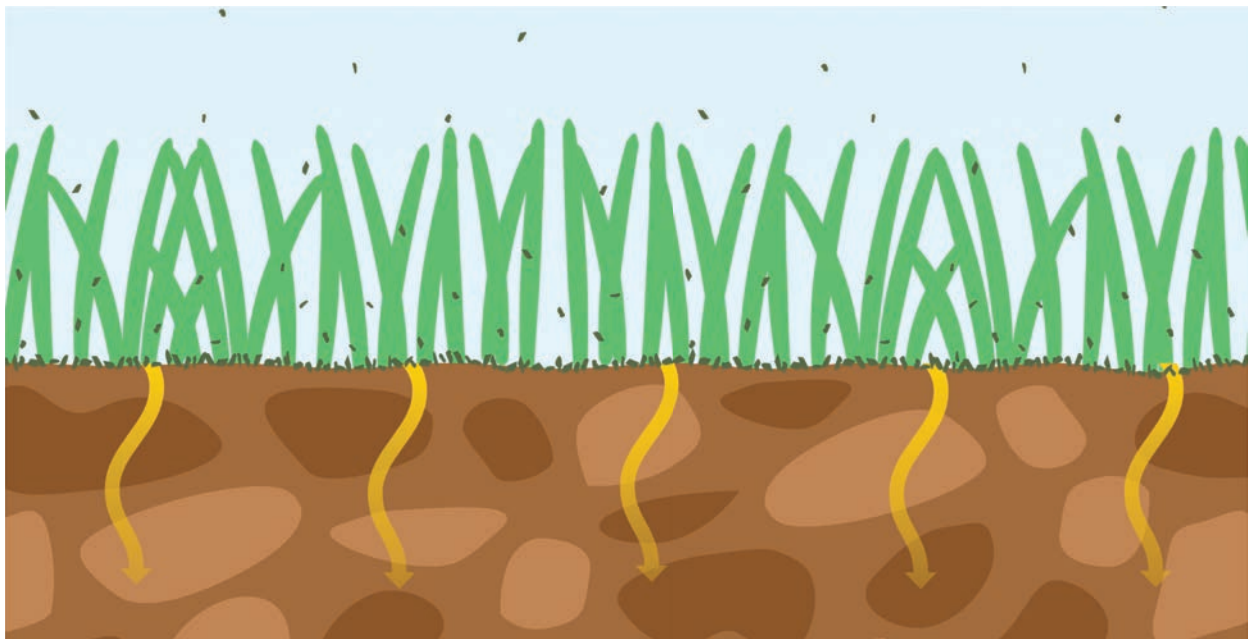


#changeyourperspective



## HOW IT WORKS

1. GRIN mows the grass and **PULVERIZES** it
2. The grass is absorbed as **FERTILIZER**
3. The **FERTILIZER** makes your lawn more beautiful!



## THE ADVANTAGES

1. Quicker and easier maintenance
2. No waste to be disposed of
3. Less weeds
4. Lower use of fertilizers and water

# In any conditions... a perfect lawn!



**MOWING**  
**NO GRASS BAG**  
**NO WASTE**

MADE IN ITALY  
**PATENTED**

#changeyourperspective





# TEST DRIVE GRIN



✓ IT PULVERISES GRASS

✓ IT MOWS TALL GRASS

✓ IT IMPROVES YOUR LAWN

### WOULD YOU LIKE TO TEST GRIN?



Contact us at :

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Find the closest dealer

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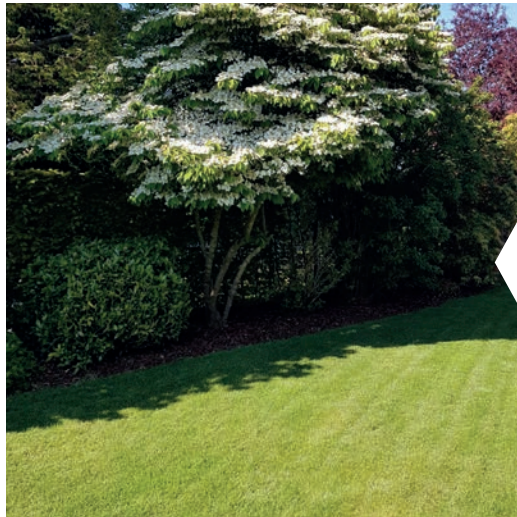


# The GRIN gardens

CHECK OUT ALL THE PICTURES ON



[www.mygrin-garden.com](http://www.mygrin-garden.com)



Name: **Ginette**

Country: **The Netherlands**

Garden size: **400 m<sup>2</sup>**

GRIN model used: **EM37**

I LOVE GRIN BECAUSE:

**"Acceptable noise level, mows well and light in use, easy to move around and reduces the grass in fine particles (extra nutrition for the lawn). Delivers what it promises."**

MY OPINION ON GRIN



Name: **Fabio**

Country: **Italy**

Garden size: **700 m<sup>2</sup>**

GRIN model used: **BM46**

I LOVE GRIN BECAUSE:

**"Powerful, quiet and very fast."**

MY OPINION ON GRIN



Name: **Thierry**

Country: **France**

Garden size: **1500 m<sup>2</sup>**

GRIN model used: **HM46A**

I LOVE GRIN BECAUSE:

**"I no longer go to the dump, my garden became more beautiful etc."**

MY OPINION ON GRIN



## 90.000 customers have chosen GRIN mowing system

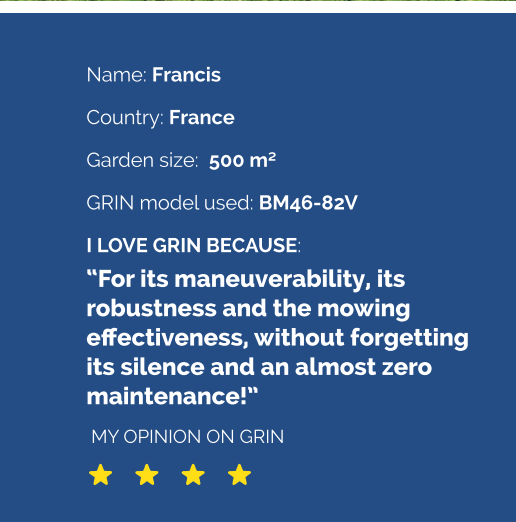


Name: **Benedetta**  
Country: **Italy**  
Garden size: **3000 m<sup>2</sup>**  
GRIN model used: **PM53A**

I LOVE GRIN BECAUSE:

**"It's a fantastic machine!  
I mow my garden in a very short  
time. Mowing is a pleasure now.  
Thank you GRIN!"**

MY OPINION ON GRIN



Name: **Francis**  
Country: **France**  
Garden size: **500 m<sup>2</sup>**  
GRIN model used: **BM46-82V**

I LOVE GRIN BECAUSE:

**"For its maneuverability, its  
robustness and the mowing  
effectiveness, without forgetting  
its silence and an almost zero  
maintenance!"**

MY OPINION ON GRIN



Name: **Jean-Pascal**  
Country: **France**  
Garden size: **2500 m<sup>2</sup>**  
GRIN model used: **PM53**

I LOVE GRIN BECAUSE:

**" Ideal to mow leaves in  
autumn and especially to  
not go to the dump in  
summer!"**

MY OPINION ON GRIN





## Ask the expert



WATCH ALL THE TECHNICAL VIDEOS  
ON GRIN YOUTUBE CHANNEL

### • DOES GRIN DAMAGE THE LAWN?

**NO.** GRIN pulverizes grass into very fine particles, which do not remain on the surface of the lawn damaging it. Instead they fall directly onto the soil ready to be absorbed as fertilizer. Both professionals and private users have been using GRIN for many years to maintain gardens.

### • WHAT HAPPENS TO THE PULVERIZED GRASS BY GRIN?

**IT BECOMES A FERTILIZER.** The grass pulverized by GRIN is absorbed by the soil thanks to the microorganisms and humidity. The nutrient-rich grass becomes a natural and valuable fertilizer for the lawn. Being composed of 80% water, grass releases moisture, reducing the water supply needed for your lawn by 20%.

### • HOW TALL SHOULD BE THE GRASS TO BE MOWED BY GRIN?

**IT IS NOT NECESSARY TO MOW MORE OFTEN.** With GRIN there is no need to mow more often than with a mower with grass bag. Mowing heights do not change much, as well. To optimize grass pulverization, mow medium tall grass every 10-15 days. GRIN is also effective in tall grass (over 20/30 cm), even if the pulverization is less fine.

### • CAN I MOW ALL TYPE OF GARDENS WITH GRIN?

**YES.** GRIN is suitable for both well-maintained and rustic lawns. On the website [www.mygrin-garden.com](http://www.mygrin-garden.com) you can find some pictures of gardens maintained with GRIN and notice the effectiveness of GRIN on the different type of lawns. In case of doubts, contact one of our dealers to perform a free TEST-DRIVE.

### • IS THE GRIN MOWING SYSTEM DIFFERENT FROM THE TRADITIONAL MULCHING?

**YES, THEY ARE VERY DIFFERENT.** Both systems are characterized by mowing without grass bag, but GRIN has many advantages:

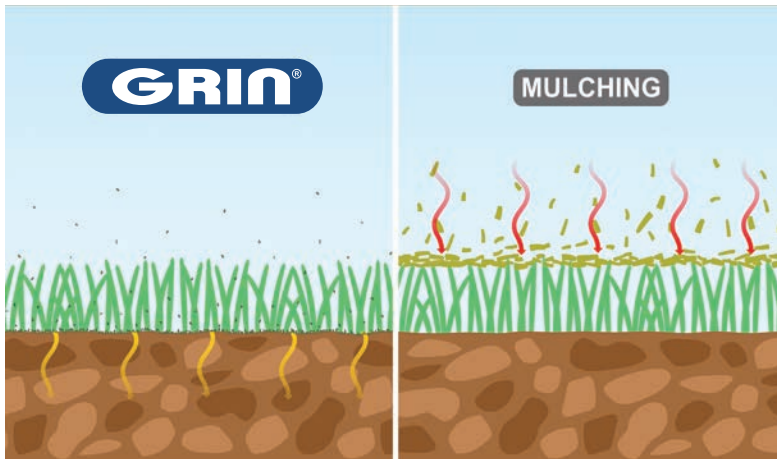
- **PULVERIZATION of grass**, without leaving large residues on the lawn surface, which can hardly be absorbed.
- **Mowing of TALLER GRASS**, without therefore being obliged to mow too often.
- **Effectiveness** even in case of **WET GRASS**.

THESE FEATURES ARE ESSENTIAL, WHERE CLIMATIC CONDITIONS FAVOR A RAPID GROWTH OF GRASS LIKE IN EUROPE.

# GRIN vs MULCHING



WATCH THE VIDEO  
GRIN vs MULCHING

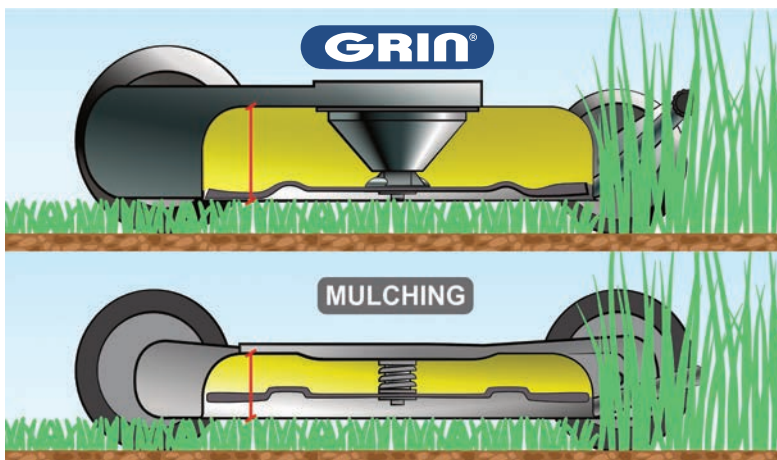


## • YOU CAN'T SEE THE PULVERIZED GRASS ON TOP OF THE LAWN

Under normal mowing conditions, GRIN pulverizes grass so fine that it falls through the grass directly onto the soil, to be absorbed as natural fertilizer.

In this way, the aesthetic result of mowing with GRIN is similar to the one obtained with a mower with grass-bag. Under similar mowing conditions, conventional mulching merely cuts grass, which remains on the surface of the lawn, making absorption by the soil difficult.

**The risk of grass accumulation and lawn suffocation is therefore very high.** Moreover, when it dries up, it remains visible on top of the lawn, looking unaesthetic.

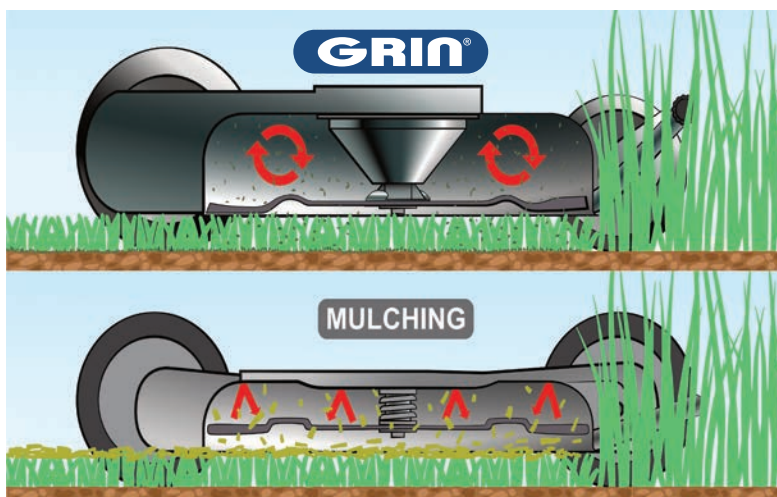


## • THE GRIN MOWING DECK MOWS ALSO TALL GRASS

The GRIN mowing deck is about 30% higher than conventional mulching machines. The shape and the position of the blade make the volume of a GRIN mowing deck about 50% larger than conventional mulching machines.

This means that a GRIN mower can mow more grass and for a longer period, without getting overloaded.

**Therefore, GRIN performs much better in medium-tall grass than a conventional mulching system.**



## • THE GRIN BLADE CENTRIFUGES THE MOWED GRASS

The GRIN mowing system consists of a patented blade with a particular shape and made of a special material. The blade is assembled with a patented helix disc in a specific position inside the mowing deck. These two components, combined with the shape of the mowing deck, create a vortex with centrifugal effect, which keeps the grass suspended in air for a long time to be pulverised in fine particles.

The mowing system of a mulching machine normally consists of a curved blade that cuts the grass into several segments, the first time during mowing and then when the cut segment falls down.

When the length of the grass to mow exceeds 8-10 cm, the cut segments remain long and visible.



## Ask the expert



WATCH THE VIDEO OF  
GRIN ON LEAVES



### • **Leaves are transformed into fertilizer.**

The patented mowing system – MOWING, NO GRASS BAG, NO WASTE – developed by GRIN is also effective with leaves. The leaves are ground inside the mowing deck and transformed into fertilizer for your lawn.

If the leaves are fine ground by the GRIN system, they become an excellent nourishment for the lawn because they are rich of carbon. The night humidity and the microorganisms of the terrain help the absorption, so that the soil becomes more fertile and consequently more beautiful.

In this way, there is no need to waste time and effort in collecting the leaves and disposing of them.



# DEMO DAY GRIN

✓ MEET GRIN TECHNICIANS

✓ FIND OUT THE SECRETS OF THE MOWING SYSTEM

✓ FIND THE RIGHT MODEL FOR YOUR GARDEN



## FIND OUT THE GRIN EVENTS AND JOIN US!

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FIND OUT MORE!







# 3.

## LAWNS UP TO 3.000 M<sup>2</sup>

Highlights | INNOVATION ·

Highlights | CONSTRUCTION ·

Engine protection cone ·

Engines ·

Selection guide ·

The full range ·

Lawnmowers - EM range ·

Lawnmowers - HM range ·

Lawnmowers - BM range ·

Lawnmowers - PM BRIGGS & STRATTON range ·

Lawnmowers - PM KAWASAKI range ·

Lawnmowers - SPM KAWASAKI range ·

Summary data sheet ·



# Highlights



## INNOVATION

01. FOLDABLE HANDLEBAR



02. ANTI-VIBRATION QUICK REGULATOR



03. CENTRALIZED MOWING HEIGHT ADJUSTMENT



# INNOVATION, SIMPLICITY, CONVENIENCE

04. FRAME DESIGNED FOR TRANSPORT



05. EASY STARTER



06. ELECTRIC STARTER



**01. FOLDABLE HANDLEBAR**

Thanks to two easy levers, it is possible to fold the handlebar for storage in little space and an easy transport. With folded handlebar, GRIN can be put vertically to clean the mowing deck or to be stored in garage\*.

\*The electric models and the models equipped with MOW N' STOW combustion engine can be stored vertically for a long period (even with full tanks)

**02. ANTI-VIBRATION QUICK REGULATOR**

Two sturdy Nylon regulators allow the adjustment of the handlebar height according to the one of the user. GRIN has also studied a vibration absorption system inside the new regulators to grant much more comfort in case of intensive use.

**03. CENTRALIZED MOWING HEIGHT ADJUSTMENT**

The rapid height adjustment on the four wheels is possible using a single lever. With a single movement, it is possible to set the desired height quickly and easily.

**04. FRAME DESIGNED FOR TRANSPORT**

The GRIN frame has an ergonomic shape designed to improve the maneuverability of the mower and is suitable for transport. Two handles allow the user to lift the machine easily in case of stairs or inconvenient areas of the garden. With folded handlebar, GRIN can also fit in the smaller cars to be easily transported.

**05. EASY STARTER**

The high range equipment of the GRIN motors allow an effortless and immediate start. New technologies make the use easy and intuitive by minimizing ordinary maintenance operations.

**06. ELECTRIC STARTER**

Just a button is necessary to start the GRIN models with combustion engine of the INSTART range and the electric ones of the EM and BM range. A simple press of the starter is enough to be ready to mow: quick, easy and effective.

# Highlights



## CONSTRUCTION

01. STEEL MOWING DECK



02. STEEL FRAME



03. PATENTED BLADE



# PRODUCTS BUILT TO LAST

04. STEEL WHEELS



05. SUSPENDED TRACTION



06. REINFORCED AXLES



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**01. STEEL MOWING DECK**

The mowing deck is completely smooth and manufactured with a 3 mm thick, powder coated steel.

This provides sturdiness and allows a proper centrifuge of the grass.

---

**02. STEEL FRAME**

The supporting frame is manufactured with a steel tube, which is welded to the mowing deck to form a unique solid part (registered utility model).

This increases the overall strength and rigidity of the lawnmower and helps reducing vibration.

---

**03. PATENTED BLADE**

The patented blade is manufactured with a special production process, which enhances strength and durability.

The material thickness and the sharpening method assure a 3/4 times longer life span than conventional blades.

---

**04. STEEL WHEELS**

The wheels with steel rim and hub are manufactured to last over time.

The double ball bearings grant ease of movement even on extremely difficult terrain. The treads have been designed to meet the need of every model and user.

---

**05. SUSPENDED TRACTION**

The traction in oil bath in aluminum casing works in suspension reducing the load on the drive axles.

The drive belt is completely protected by a specific cover. It tends automatically with the movement of the traction, thus minimizing the wear.

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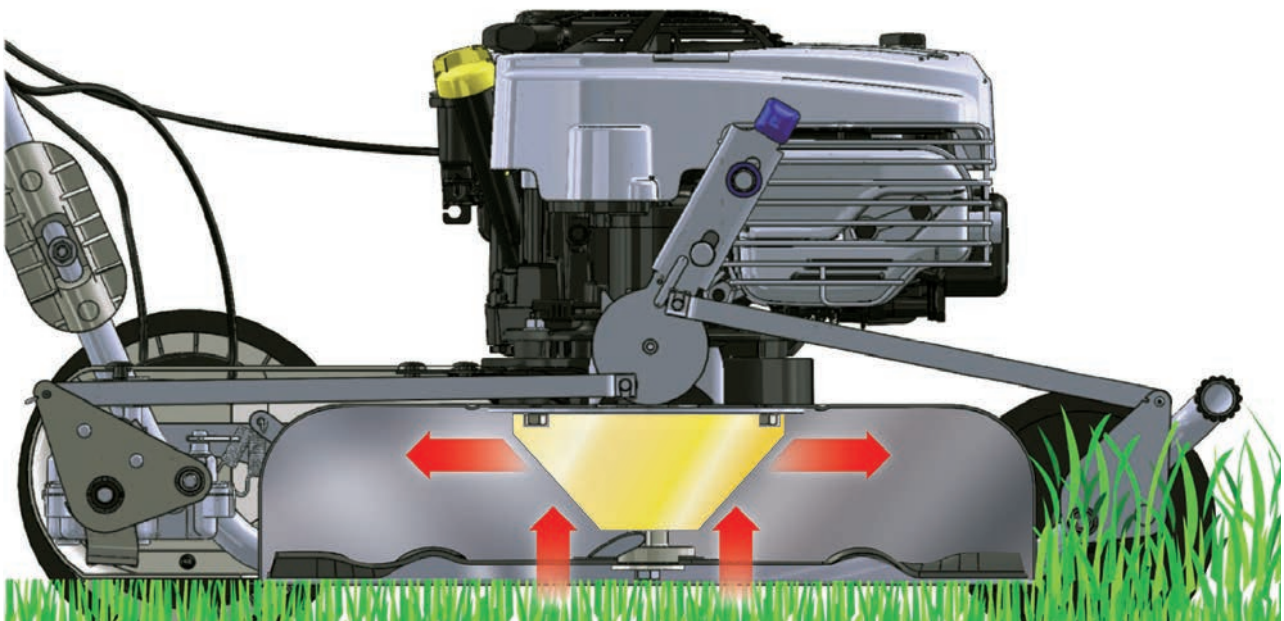
**06. REINFORCED AXLES**

The steel axles are characterized by sections of reinforced tube to grant impact resistance and an efficient mowing even after years of use.

# Engine protection cone



WATCH THE VIDEO OF  
THE ENGINE PROTECTION  
CONE SYSTEM



THE **ENGINE PROTECTION CONE** OFFERS PROTECTION WHEN THE BLADE ACCIDENTALLY HITS AN OBSTACLE WHILE MOWING (SUCH AS A STONE, ROOT OR OTHER).

## Have you ever hit a stone with your lawn mower and damaged the crankshaft?

These kind of accidents may cause serious mechanical problems. For this reason, **GRIN has introduced a device called ENGINE PROTECTION CONE to minimize these risks.**

**This device offers protection when the blade accidentally hits an obstacle while mowing (such as a stone, a root or something else).** To better understand how it works, we suggest you watch the explanatory video.

**The steel cone, in combination with the GRIN chassis, absorbs the hit and minimizes the risks of damage.** Should the blade hub break, its replacement is easy, quick and low-cost. The user can directly carry it out.

**The ENGINE PROTECTION CONE is recommended for uneven terrains or for any distracted user,** who easily runs into this kind of accidents.

**The ENGINE PROTECTION CONE is fitted as standard on the GRIN Professional range\*** and is optionally available for the other models.

\* PM46A / PM46A IS / PM46A KW / PM53A / PM53A IS / PM53A KW / SPM53A KW / BM46-82V / BM46A-82V / BM53A-82V



**GRIN GIVES YOU FOR FREE THE **GUARANTEE**  
**EXTENSION UP TO 3 YEARS.****

**Register your Grin on [www.mygrin.eu](http://www.mygrin.eu)**



FIND OUT MORE!

# Engines



## Briggs & Stratton

The American company Briggs & Stratton is the world-leading manufacturer of combustion engine for lawn mowers and other gardening and industrial applications.

With over **100 years of history**, Briggs & Stratton offers a **dense, worldwide network of technical support** with more than **40.000 workshops and authorized dealers**. In the last years, the **Briggs & Stratton engines fitted on the GRIN lawn mowers have revolutionized the market by introducing some user-friendly technical innovations**.

In particular the systems **Ready Start, IS Instart e Mow n'Stow**.

EXI EXI SERIES ReadyStart



The EXI series engines offer the perfect combination of power, performance and ease of use. These engines feature the **ReadyStart® system**, which makes it extremely easy to start the engine. **Manually starting with a primer or air intake adjustment is no longer necessary**. It is enough to pull the cord a couple of times and the motor starts right away.

\*FITTED ON MODELS

HM37 / HM46 / HM46A / HM53A / PM46A / PM53A



## Cramer

The Swedish brand CRAMER is a global player on the market for the production of battery powered motors.

With its **cutting-edge technology**, it drives forward the development of **high-performing, powerful and durable battery powered tools and equipment**.

It offers **revolutionary power, innovation and intelligent solutions** to support professionals and private users.



## Kawasaki

Kawasaki Engines has been producing professional engines for turf care for over **60 years**.

With an engineering heritage firmly **focused on excellence and innovation**, Kawasaki Engines have earned a reputation for supplying some of **the highest quality and most dependable engines in the world**.



**The FJ180V KAI engine with pressurised lubrication to mow on slopes is fitted on the models GRIN PM46A KW, PM53A KW and SPM53A KW.**





IS INSTART



A conventional lawn mower is started up thousands of times by pulling the starter cord. GRIN machines equipped with the Briggs & Stratton engine with IS Instart system feature instead electric start-up with a push of a button. A lithium ion battery, fitted directly on the engine, assures immediate and effortless start. Charging the battery is simple and easy, thanks to an external battery charger.

\*FITTED ON MODELS

HM46 IS / HM46A IS / HM53A IS / PM46A IS / PM53A IS



MOW N'STOW



Thanks to the Mow N' Stow system, the lawnmower can be stored in vertical position after each use, thus saving the 70% of ground space and allowing an easy access to the mowing system.

These engines have specific technical features designed to avoid leaks of petrol and oil, when the lawnmower is put vertically.

\*FITTED ON MODELS

HM37 / HM46 / HM46A / HM53A / HM46 IS / HM46A IS / HM53A IS



The 82V Lithium-Ion battery powered motor combines the convenience and simplicity of an electric motor with the power of a combustion engine. Allowing an easier, more convenient and eco-friendly maintenance of your garden, this new technology marks a turning point in our industry.

\*FITTED ON MODELS

BM37-82V / BM46-82V / BM46A-82V / BM53A-82V

## WHY DID WE CHOOSE IT?

### Designed for durability

Strength and resilience is built into every FJ engine. From the tough combined crankcase design to hard-wearing chrome plated piston rings and cast iron cylinder liners.

Quality bearings ensure high engine loads can be sustained for a longer period of time. The tough metal shroud gives maximum protection and durability.

### Exceptional reliability

Professionals can rely on a dependable start for every job thanks to the heavy duty recoil starter. For long-term reliable performance, air filters are dual element and high particle capture, and engine cooling systems are protected by the rotating chopper screen that prevents grass debris build-up.

### Performance and productivity

Cut easily through tough grass thanks to the heavy-duty, high inertia flywheel. Uneven ground, variable angles and slopes are tackled easily and reliably due to our high-efficiency pressurised lubrication system.

A low noise fan and low tone muffler make long days more comfortable, boosting operator productivity.

### Decreased downtime

Kawasaki made air filters ultra-easy to access, no tools required, allowing operators to make simple maintenance checks on the job.



# Selection guide



**GRIN offers a complete range of products that fit the requirements of every garden.**

**It's important to choose the right lawn mower: GRIN will accompany you for many years to come!**

Remember that GRIN does not have a grass bag. This makes it lighter and more maneuverable than the lawn mowers you have used until today.

## 1 - CHOOSE THE RIGHT MOWING WIDTH

Usually, you can choose a smaller GRIN lawn mower in comparison to a model with grass bag (e.g. if you used a 53 cm mowing width, a 46 cm GRIN model might suit you). **The choice of a grass bag lawn mower with large dimensions is due to the fact that a larger grass bag reduces the number of stops when mowing. With GRIN, choosing a larger mowing width saves you approx. 10 minutes each 1.000 m<sup>2</sup>, however, the smaller machines are more maneuverable especially in tight spaces.**

## 2 - CONSIDER IF YOU NEED A TRACTION

Lawn mowers with grass bag are typically heavier, especially when the bag is full of grass. **To easily maneuver them, the traction is needed starting from 400 m<sup>2</sup> or on slight slopes. GRIN machines without traction are more maneuverable, instead, especially in tight spaces.**

**A walk-behind GRIN mower is recommended up to 800 m<sup>2</sup> and 10° of slope.**

## 3 - CHOOSE THE RIGHT ENGINE

**Grin lawn mowers with electric motor have the same structural features as the ones with combustion engine:** the mowing result is particularly qualitative and under normal mowing circumstances practically identical to that of the line with internal combustion engines.

**USE THE GUIDING SCHEME IN THE NEXT PAGE TO CHOOSE THE GRIN MODEL SUITABLE FOR YOU AND YOUR GARDEN!**

• How big is your garden in square meters?

M <sup>2</sup> OF THE GARDEN	BLADE WIDTH	TRACTION	MODEL
0-400	37 cm (600-800 m <sup>2</sup> \h)	NO	EM37 - HM37 - BM37
400-800	46 cm (800-1.000 m <sup>2</sup> \h)	NO	HM46 - HM46 IS - BM46
800-1.200	46 cm (800-1.000 m <sup>2</sup> \h)	YES	HM46A - HM46A IS - BM46A PM46A - PM46A IS - PM46A KW
1.200-3.000	53 cm (1.000-1.200 m <sup>2</sup> \h) (2.000 m <sup>2</sup> \h with SPM53A)	YES	HM53A - HM53A IS - BM53A PM53A - PM53A IS PM53A KW - SPM53A KW

COMPARISON WITH A LAWN MOWER WITH GRASS BAG

M <sup>2</sup> OF THE GARDEN	GRIN BLADE WIDTH	LAWN MOWER WITH GRASS BAG BLADE WIDTH	GRIN TRACTION	LAWN MOWER WITH GRASS BAG TRACTION
0-400	37 cm	46 cm	NO	NO
400-800	46 cm	53 cm	NO	YES
800-1.200	46 cm	53 cm	YES	YES
1.200-3000	53 cm	53 cm	YES	YES

• Is it flat or on slopes?

DEGREE OF SLOPE	TRACTION	ENGINE
0° - 10°	NO (up to 800 m <sup>2</sup> )	ALL
10° - 20°	YES	ALL
> 20° (MAX 35° - 40°)	YES	Battery (BM46A-82V - BM53A-82V) Kawasaki with pressurised lubrication (PM46A KW - PM53A KW - SPM53A KW)

# The full range



## HobbyPRO

The HobbyPRO line is addressed to **demanding private users**. Robustness and quality of professional materials are combined with components designed to grant **maneuverability, convenience and ease of use**.

**LIGHT**

Designed to be maneuverable, even in tight spaces

**EASY**

Easy start and intuitive use

**ROBUST**

Professional frame, blade and wheels designed to last over time

RECOMMENDED FOR

HobbyPRO

0-400 M<sup>2</sup>



EM37



HM37



BM37-82V

400-800 M<sup>2</sup>



HM46



HM46 INSTART



BM46-82V

800-1.200 M<sup>2</sup>



HM46A



HM46A INSTART

1.200-3.000 M<sup>2</sup>



HM53A



HM53A INSTART



Corded electric



Internal combustion engine  
Briggs & Stratton 6.75



Internal combustion engine  
Briggs & Stratton 6.75



Battery

ELECTRIC START

82V


**MOWING**  
NO GRASS BAG  
NO WASTE

# A model for every need

## Professional

The PROFESSIONAL line is designed to professional turf maintenance. The components are suitable for intensive use, even on difficult terrains.

**POWERFUL**




Specific engine and components to mow under difficult conditions

**RESISTANT**



The engine protection cone is important on uneven terrain

**ADAPTABLE**



The professional traction allows you to adapt speed according to different mowing conditions

**Pro CRAMER**

**Pro BRIGGS & STRATTON**

**Pro KAWASAKI**



SLOPES < 10°

SLOPES > 10°



**BM46A-82V**



**PM46A**




**PM46A INSTART**



**PM46A KW**



**BM53A-82V**

 **Battery**  
**82V**



**PM53A**

 **Internal combustion engine**  
Briggs & Stratton 8.50



**PM53A INSTART**

 **Internal combustion engine**  
Briggs & Stratton 8.50  
**ELECTRIC START**



**PM53A KW**

 **Internal combustion engine**



**SPM53A KW**

**Internal combustion engine**  
Kawasaki  
**FOR SLOPES > 20°**



## Ask the expert



### • HOW DO I CHOOSE THE RIGHT GRIN MODEL FOR MY GARDEN?

**ACCORDING TO THE SIZE of your garden in square meters**, choose the mowing width (37, 46 or 53 cm) referring to the chart at page 34. Once you have identified the models of the right size, look at the data sheets in the following pages: a rating scheme from 1 to 5 helps you finding the suitable product considering your mowing preferences.

**Do not hesitate to contact GRIN for advice or visit one of our authorized dealers.**

### • FOR LAWNS UP TO 800 M<sup>2</sup>, WHY ISN'T THE TRACTION NECESSARY WITH GRIN?

**BECAUSE GRIN is lighter than a mower with grass bag.** In fact it does not carry the weight of the bag full of grass. Unless there are slopes of more than 10°, the traction in a medium-sized garden could make the machine heavier and less maneuverable.

**In order to understand more about the GRIN system, we suggest you to perform a free TEST DRIVE by our authorized dealers.**

### • WHICH IS THE DIFFERENCE BETWEEN GRIN PM AND HM PRODUCT RANGE?

**The PM range is designed for PROFESSIONAL and very intensive use.** The frame and the mowing deck are very similar in both product lines, but the equipment and the components are different. **The PM range in addition has the engine protection cone as standard, more performant engine, professional 2-speed traction, MAXI rear wheels, a more comfortable handlebar and levers.** As for the use, the main differences can be noticed on uneven terrains, in tall grass or on very well maintained lawns.

**If you have doubts, do not hesitate to contact us for help or perform a free TEST DRIVE.**

### • HOW DO THE GRIN BATTERY MACHINES PERFORM?

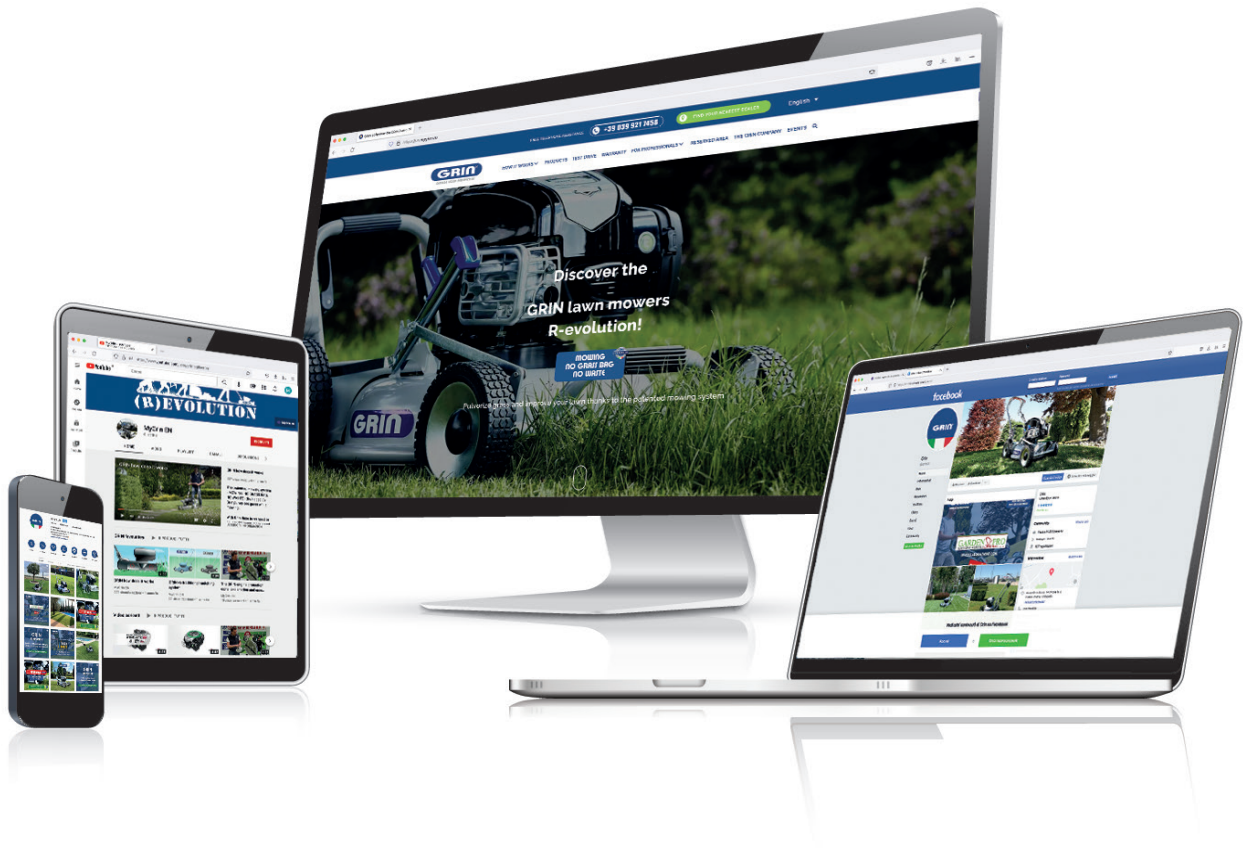
**LIKE THE ONES WITH COMBUSTION ENGINE.**

The GRIN battery machines are equipped with the same steel frame like the ones with combustion engine.

**The 82V motors are extremely powerful and grant excellent performances. The electric motor torque is sometimes even more performant than the engines of the HM range.** Many professional use these machines also in very tall grass or on extremely difficult lawns. **You can fully appreciate it performing a free TEST DRIVE by the closest GRIN dealer.**

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# Keep up-to-date and find out all the news of GRIN world!



**Get all the information on [www.mygrin.eu](http://www.mygrin.eu)  
Find out more on our YouTube channel and  
follow us on Facebook and Instagram!**

[www.mygrin.eu](http://www.mygrin.eu)





## EM range

CORDED ELECTRIC

HobbyPRO



The GRIN EM range consists of a mower with 37 cm mowing width featuring the patented MOWING – NO GRASS BAG – NO WASTE system.

Ideal for users who look for the convenience and simplicity of an electric motor without sacrificing the quality of the materials and the effectiveness of the GRIN mowing.

Recommended for those who need a maneuverable machine with steel frame and high quality mowing results.

It combines the same structural features of an internal combustion engine lawn mower with the silence, ease of use and reduced costs of an electric motor. It turns on with a practical command on the handlebar and the motor does not need any maintenance.

An electric mower like you have never seen before!



# H I G H L I G H T S

01. ELECTRIC START



02. VERTICAL STORAGE



03. 1600 W ELECTRIC MOTOR



**01. ELECTRIC START**

Start the engine simply pushing a button.

**02. VERTICAL STORAGE**

70% of space saved in your garage.

**03. 1600 W ELECTRIC MOTOR**

The convenience of an electric motor, without giving up on performance.

# EM range

## EM range



HobbyPRO

RECOMMENDED FOR  
0-400 M<sup>2</sup>FOR SLOPES  
0-10°

## GRIN EM37

CORDED ELECTRIC



MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	37 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	No
WHEELS	Steel structure with double ball bearing
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	No
HANDLEBAR	Foldable with quick regulators
ENGINE	<b>Electric 220 Volt - Power 1600 Watt</b>
START	Electric
WEIGHT	20 kg



**MOWING  
NO GRASS BAG  
NO WASTE**



GRIN EM37 PERFORMANCE	1	2	3	4	5
Mowing quality in standard conditions					
Performance in tall grass (>30 cm)					
Mowing on slopes					
Uneven terrains					
Manoeuvrability in tight spaces					





## HM range

INTERNAL COMBUSTION ENGINE

HobbyPRO



The GRIN HM range consists of 7 lawn mowers featuring the patented MOWING – NO GRASS BAG – NO WASTE system.

They are powered by the Briggs & Stratton 6.75 series internal combustion engine, which is available with both starter cord and electric start.

Recommended for all demanding private users, who require a machine with a professional chassis that also assures great maneuverability.

They are available with mowing width of 37, 46 and 53 cm and either in the push version or with traction.

These were the first models to be developed with the patented MOWING - NO GRASS BAG - NO WASTE system.

They have always driven our company's growth; very reliable machines tested and evolved over 15 years in the field!

# H I G H L I G H T S

01. READY START



02. ELECTRIC START



03. MOW N' STOW VERTICAL STORAGE



**01. READY START**

Automatic starter to start the engine on the first try.

**02. ELECTRIC START**

Start the engine simply pushing a button.

\*on the INSTART machines

**03. MOW N' STOW VERTICAL STORAGE**

70% of space saved in your garage even with full tanks.

# HM range

# HM range



HobbyPRO

RECOMMENDED FOR  
0-400 M<sup>2</sup>

FOR SLOPES  
0-10°

## GRIN HM37



INTERNAL  
COMBUSTION  
ENGINE



MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	37 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	No
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Optional
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 6.75</b> - Ready Start 4-stroke - <b>163 cc</b> <b>MOW N'STOW for vertical storage</b>
START	Easy starter cord - automatic
WEIGHT	25 kg





# HM range



HobbyPRO

RECOMMENDED FOR  
400-800 M<sup>2</sup>FOR SLOPES  
0-10°

## GRIN HM46

INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	46 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	No
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Optional
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 6.75</b> - Ready Start 4-stroke - <b>163 cc</b> <b>MOW N'STOW</b> for vertical storage
START	Easy starter cord - automatic
WEIGHT	27 kg



HobbyPRO

RECOMMENDED FOR  
400-800 M<sup>2</sup>FOR SLOPES  
0-10°

## GRIN HM46 INSTART

INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	46 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	No
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Optional
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 6.75</b> - <b>INSTART with built-in battery</b> 4-stroke - <b>163 cc</b> <b>MOW N'STOW</b> for vertical storage
START	Electric
WEIGHT	28 kg

ELECTRIC START





**MOWING  
NO GRASS BAG  
NO WASTE**



**TEST DRIVE GRIN**

GRIN HM46 PERFORMANCE	1	2	3	4	5
Mowing quality in standard conditions	[Bar chart showing performance level 5]				
Performance in tall grass (>30 cm)	[Bar chart showing performance level 3]				
Mowing on slopes	[Bar chart showing performance level 3]				
Uneven terrains	[Bar chart showing performance level 4]				
Manoeuvrability in tight spaces	[Bar chart showing performance level 5]				

HM46 INSTART PERFORMANCE	1	2	3	4	5
Mowing quality in standard conditions	[Bar chart showing performance level 5]				
Performance in tall grass (>30 cm)	[Bar chart showing performance level 3]				
Mowing on slopes	[Bar chart showing performance level 3]				
Uneven terrains	[Bar chart showing performance level 4]				
Manoeuvrability in tight spaces	[Bar chart showing performance level 5]				

# HM range



HobbyPRO

RECOMMENDED FOR  
800-1.200 M<sup>2</sup>FOR SLOPES  
0-20°

## GRIN HM46A

INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	46 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>MONO in aluminum casing</b>
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Optional
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 6.75</b> - Ready Start 4-stroke - <b>163 cc</b> <b>MOW N'STOW</b> for vertical storage
START	Easy starter cord - automatic
WEIGHT	32 kg



HobbyPRO

RECOMMENDED FOR  
800-1.200 M<sup>2</sup>FOR SLOPES  
0-20°

## GRIN HM46A INSTART

INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	46 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>MONO in aluminum casing</b>
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Optional
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 6.75</b> - <b>INSTART with built-in battery</b> 4-stroke - <b>163 cc</b> <b>MOW N'STOW</b> for vertical storage
START	Electric
WEIGHT	33 kg

ELECTRIC START



MOWING  
NO GRASS BAG  
NO WASTE



GRIN HM46A PERFORMANCE	1	2	3	4	5
Mowing quality in standard conditions	[50 vertical bars]				
Performance in tall grass (>30 cm)	[35 vertical bars]				
Mowing on slopes	[50 vertical bars]				
Uneven terrains	[50 vertical bars]				
Manoeuvrability in tight spaces	[50 vertical bars]				
Mowing speed	[35 vertical bars]				

GRIN HM46A INSTART PERFORMANCE	1	2	3	4	5
Mowing quality in standard conditions	[50 vertical bars]				
Performance in tall grass (>30 cm)	[35 vertical bars]				
Mowing on slopes	[50 vertical bars]				
Uneven terrains	[50 vertical bars]				
Manoeuvrability in tight spaces	[50 vertical bars]				
Mowing speed	[35 vertical bars]				

# HM range



HobbyPRO

RECOMMENDED FOR  
1.200-3.000 M<sup>2</sup>FOR SLOPES  
0-20°

## GRIN HM53A

INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	53 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>MONO in aluminum casing</b>
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Optional
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 6.75</b> - Ready Start 4-stroke - <b>163 cc</b> <b>MOW N'STOW</b> for vertical storage
START	Easy starter cord - automatic
WEIGHT	34 kg



HobbyPRO

RECOMMENDED FOR  
1.200-3.000 M<sup>2</sup>FOR SLOPES  
0-20°

## GRIN HM53A INSTART

INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	53 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>MONO in aluminum casing</b>
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Optional
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 6.75</b> - <b>INSTART with built-in battery</b> 4-stroke - <b>163 cc</b> <b>MOW N'STOW</b> for vertical storage
START	Electric
WEIGHT	35 kg

ELECTRIC START







## BM range

82V BATTERY

HobbyPRO

Professional



The GRIN 82V battery powered range consists of 4 lawn mowers, 2 push models and 2 with traction, featuring the patented MOWING – NO GRASS BAG – NO WASTE system. They are equipped with the innovative, brushless Cramer electric motor with an output of 1,5 kw and powered by a 82V lithium ion battery.

This new technology allows amazing performances compared to the past. In terms of power and mowing quality, these lawn mowers have nothing to envy to the ones with internal combustion engine.

With the 8Ah battery, one full charge is enough to mow 1.000 - 1.200 m<sup>2</sup> with the model BM53A-82V and 800 - 1.000 m<sup>2</sup> with the model BM46A-82V. With the 5 Ah battery, one full charge is enough to mow 800 – 1000 m<sup>2</sup> with the model BM46-82V. With the 2,5Ah battery, one full charge is enough to mow up to 500-600 m<sup>2</sup> with model BM37-82V.

The battery is housed in an internal compartment of the motor and can be easily removed to be recharged. In this way, the battery is protected from hits and atmospheric agents.

The combination of 2 batteries allows an autonomy of several consecutive hours, increasing the usability.

# H I G H L I G H T S

01. ELECTRIC START



02. 82V BATTERY MOTOR



03. VERTICAL STORAGE



**01. ELECTRIC START**

Start the engine simply pushing a button.

**02. 82V BATTERY MOTOR**

Powerful like a combustion engine, easy like an electric motor.

**03. VERTICAL STORAGE**

70% of space saved in your garage.

# BM range 82V

3. LAWNS UP TO 3.000 M<sup>2</sup>



## Practical and environmentally friendly... without compromises!

- **GUARANTEED POWER**

to mow without compromise compared to an internal combustion engine.

- **OPTIMISED AUTONOMY**

of the battery thanks to the automatic consumption control of the **ECO MODE** and **POWER MODE** system.

- **NO MAINTENANCE**

needed for the **82V Cramer motor**.

- **LOW ENVIRONMENTAL IMPACT**

for an eco-friendly mowing and a quiet motor.



### 3. LAWNS UP TO 3.000 M<sup>2</sup>



2,5Ah



5Ah



8Ah

**82VOLT** LITHIUM MAX

## • GUIDE TO CHOOSE YOUR BATTERY-POWERED GRIN

Model	Blade	Traction	Supplied battery	Battery lifetime m <sup>2</sup>	Supplied battery charger	Charging time	Battery life cycles
BM37-82V	37	NO	2,5Ah	500-600 m <sup>2</sup>	4Ah (4 amps per hour)	40 min.	500\1.000 (1 year =15-20 cycles for private use)
BM46-82V	46	NO	5Ah	800-1.000 m <sup>2</sup>	4Ah (4 amps per hour)	75 min.	500\1.000 (1 year =15-20 cycles for private use)
BM46A-82V	46	YES PRO with 2 speeds	8Ah	800-1.000 m <sup>2</sup>	4Ah (4 amps per hour)	120 min.	500\1.000 (1 year =15-20 cycles for private use)
BM53A-82V	53	YES PRO with 2 speeds	8Ah	1.000-1.200 m <sup>2</sup>	4Ah (4 amps per hour)	120 min.	500\1.000 (1 year =15-20 cycles for private use)

# BM range



HobbyPRO

RECOMMENDED FOR  
0-400 M<sup>2</sup>FOR SLOPES  
0-10°

## GRIN BM37-82V



BATTERY



MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	37 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	No
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Optional
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Cramer - Lithium ION</b> High efficiency, with integrated control, safety key
START	Electric
BATTERY	<b>2,5Ah-82V - 500 / 600 m<sup>2</sup> with one full charge</b>
BATTERY CHARGER	<b>QUICK - 40 minutes for one full charge</b>
WEIGHT	23 kg - without battery

500 / 600 M<sup>2</sup> WITH ONE FULL CHARGE

ELECTRIC START



HobbyPRO

RECOMMENDED FOR  
400-800 M<sup>2</sup>FOR SLOPES  
0-10°

## GRIN BM46-82V



BATTERY



MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	46 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	No
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Standard
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Cramer - Lithium ION</b> High efficiency, with integrated control, safety key
START	Electric
BATTERY	<b>5Ah-82V - 800 / 1.000 m<sup>2</sup> with one full charge</b>
BATTERY CHARGER	<b>QUICK - 75 minutes for one full charge</b>
WEIGHT	25 kg - without battery

800 / 1.000 M<sup>2</sup> WITH ONE FULL CHARGE

ELECTRIC START





# BM range



Professional

RECOMMENDED FOR  
800-1.200 M<sup>2</sup>FOR SLOPES  
0-30°

## GRIN BM46A-82V



BATTERY



MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	46 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>Professional with 2 speeds</b>
WHEELS	<b>Grip Grin, steel structure with double ball bearing</b>
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Standard
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Cramer - Lithium ION</b> High efficiency, with integrated control, safety key
START	Electric
BATTERY	<b>8Ah-82V - 800 / 1.000 m<sup>2</sup> with one full charge</b>
BATTERY CHARGER	<b>QUICK - 120 minutes for one full charge</b>
WEIGHT	33 kg - without battery

800 / 1.000 M<sup>2</sup> WITH ONE FULL CHARGE

ELECTRIC START



Professional

RECOMMENDED FOR  
1.200-3.000 M<sup>2</sup>FOR SLOPES  
0-30°

## GRIN BM53A-82V



BATTERY



MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	53 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>Professional with 2 speeds</b>
WHEELS	<b>Grip Grin, steel structure with double ball bearing</b>
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Standard
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Cramer - Lithium ION</b> High efficiency, with integrated control, safety key
START	Electric
BATTERY	<b>8Ah-82V - 1.000 / 1.200 m<sup>2</sup> with one full charge</b>
BATTERY CHARGER	<b>QUICK - 120 minutes for one full charge</b>
WEIGHT	35 kg - without battery

1.000 / 1.200 M<sup>2</sup> WITH ONE FULL CHARGE

ELECTRIC START





3. LAWNS UP TO 3.000 M<sup>2</sup>

## Briggs & Stratton PM range

INTERNAL COMBUSTION ENGINE

Professional



The GRIN Briggs & Stratton PM range consists of 4 lawn mowers featuring the patented MOWING – NO GRASS BAG – NO WASTE system designed for professional use. They are powered by the professional BRIGGS & STRATTON 8.50 series internal combustion engine, which is available with both starter cord and electric starter.

Recommended for gardeners, maintainers, cooperatives or demanding private users. Available with mowing width of 46 and 53 cm, the lawn mowers of PM range are equipped with a professional traction to adapt to the different mowing conditions. The wheels with GRIP GRIN tread and MAXI rear diameter assure high performance on uneven terrain.

The engine protection cone, which offers protection from accidental hits on the blade, is standard. The comfort levers combined with the anti-vibration covered handlebar grant more comfort during intensive use.

Representing the evolution in professional maintenance, GRIN's professional range is able to meet the requirements to reduce costs and shorten maintenance time, always granting standard high mowing quality!

# Professional HIGHLIGHTS



**01. READY START**

Automatic starter to start the engine on the first try.

**02. BRIGGS & STRATTON PROFESSIONAL ENGINE**

Power and reliability combined with ease of use.

**03. PROFESSIONAL TRACTION**

Professional with 2 speeds to adapt to different conditions.

**04. ENGINE PROTECTION CONE**

To minimize impacts on uneven terrain.

**05. MAXI GRIP GRIN**

To overcome obstacles on uneven terrain.

**06. ANTI-VIBRATION HANDLEBAR AND COMFORT LEVERS**

For more comfort in case of intensive use.

## Briggs & Stratton | PM range

3. LAWNS UP TO 3.000 M<sup>2</sup>

# Briggs & Stratton PM range



Professional

RECOMMENDED FOR  
800-1.200 M<sup>2</sup>FOR SLOPES  
0-20°

## GRIN PM46A

INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	46 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>Professional with 2 speeds</b>
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing. Rear wheels with <b>MAXI diameter</b>
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Standard
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 8.50 professional OHV</b> Ready Start 4-stroke - <b>190 cc</b>
START	Easy starter cord - automatic
WEIGHT	37 kg

Professional

RECOMMENDED FOR  
800-1.200 M<sup>2</sup>FOR SLOPES  
0-20°

## GRIN PM46A INSTART

INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	46 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>Professional with 2 speeds</b>
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing. Rear wheels with <b>MAXI diameter</b>
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Standard
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 8.50 professional OHV</b> <b>INSTART with removable battery</b> 4-stroke - <b>190 cc</b>
START	Electric
WEIGHT	38 kg

ELECTRIC START





MOWING  
NO GRASS BAG  
NO WASTE



GRIN PM46A PERFORMANCE	1	2	3	4	5
Mowing quality in standard conditions					
Performance in tall grass (>30 cm)					
Mowing on slopes					
Uneven terrains					
Manoeuvrability in tight spaces					
Mowing speed					

GRIN PM46A INSTART PERFORMANCE	1	2	3	4	5
Mowing quality in standard conditions					
Performance in tall grass (>30 cm)					
Mowing on slopes					
Uneven terrains					
Manoeuvrability in tight spaces					
Mowing speed					

3. LAWNS UP TO 3.000 M<sup>2</sup>

# Briggs & Stratton PM range



Professional

RECOMMENDED FOR  
1.200-3.000 M<sup>2</sup>FOR SLOPES  
0-20°

## GRIN PM53A

INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	53 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>Professional with 2 speeds</b>
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing. Rear wheels with <b>MAXI diameter</b>
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Standard
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 8.50 professional OHV</b> Ready Start 4-stroke - <b>190 cc</b>
START	Easy starter cord - automatic
WEIGHT	39 kg



Professional

RECOMMENDED FOR  
1.200-3.000 M<sup>2</sup>FOR SLOPES  
0-20°

## GRIN PM53A INSTANT

INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	53 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>Professional with 2 speeds</b>
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing. Rear wheels with <b>MAXI diameter</b>
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Standard
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Briggs &amp; Stratton 8.50 professional OHV</b> <b>INSTANT with removable battery</b> 4-stroke - <b>190 cc</b>
START	Electric
WEIGHT	40 kg



ELECTRIC START





3. LAWNS UP TO 3.000 M<sup>2</sup>

## Kawasaki PM range

INTERNAL COMBUSTION ENGINE

Professional



**The GRIN PM KAWASAKI range consists of 2 lawn mowers** featuring the patented MOWING – NO GRASS BAG – NO WASTE system **designed for professional use**. They are **powered by the professional KAWASAKI FJ180V KAI motor, equipped with pressurised lubrication to mow on slopes**.

**Recommended for gardeners, maintainers, cooperatives or demanding private users.**

Available with **mowing widths of 46 and 53 cm**, the lawn mowers of **PM range** are equipped with a **professional traction** to adapt to the different mowing conditions.

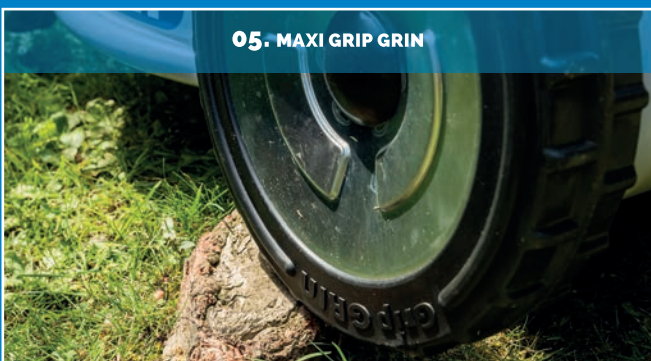
The **wheels with GRIP GRIN tread and MAXI rear diameter** assure high performance on uneven terrain.

The **engine protection cone**, which offers protection from accidental hits on the blade, is standard.

The **comfort levers** combined with the **anti-vibration covered handlebar** **grant more comfort during intensive use**.

**Representing the evolution in professional maintenance**, GRIN's professional range is able to meet the requirements to reduce costs and shorten maintenance time, always granting standard high mowing quality!

# Professional HIGHLIGHTS



**01. KAWASAKI PROFESSIONAL ENGINE**

Designed for the most demanding professional.

**02. PRESSURISED LUBRICATION ON SLOPES**

To mow even on slopes over 20°.

**03. PROFESSIONAL TRACTION**

Professional with 2 speeds to adapt to different conditions.

**04. ENGINE PROTECTION CONE**

To minimize impacts on uneven terrain.

**05. MAXI GRIP GRIN**

To overcome obstacles on uneven terrain.

**06. ANTI-VIBRATION HANDLEBAR AND COMFORT LEVERS**

For more comfort in case of intensive use.

## Kawasaki | PM range

3. LAWNS UP TO 3.000 M<sup>2</sup>

# Kawasaki PM range



Professional

RECOMMENDED FOR  
800-1.200 M<sup>2</sup>FOR SLOPES  
0-30°

## GRIN PM46A KW

Powered by  
**Kawasaki**INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	46 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>Professional with 2 speeds</b>
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing. Rear wheels with <b>MAXI diameter</b>
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Standard
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Kawasaki Fj180V KAI</b> With pressurised lubrication to mow on slopes - <b>179 cc</b>
START	Easy starter cord - manual
WEIGHT	45 kg

ENGINE FOR SLOPES &gt; 20°



Professional

RECOMMENDED FOR  
1.200-3.000 M<sup>2</sup>FOR SLOPES  
0-30°

## GRIN PM53A KW

Powered by  
**Kawasaki**INTERNAL  
COMBUSTION  
ENGINE

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	53 cm
MOWING HEIGHT	<b>4 heights, adjustable with a single quick action lever</b>
TRACTION	<b>Professional with 2 speeds</b>
WHEELS	<b>Grip Grin</b> , steel structure with double ball bearing. Rear wheels with <b>MAXI diameter</b>
MOWING DECK AND STRUCTURE	Reinforced, powder coated steel
ENGINE PROTECTION CONE	Standard
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Kawasaki Fj180V KAI</b> With pressurised lubrication to mow on slopes - <b>179 cc</b>
START	Easy starter cord - manual
WEIGHT	47 kg

ENGINE FOR SLOPES &gt; 20°





GRIN PM46A KW PERFORMANCE	1	2	3	4	5
Mowing quality in standard conditions	[Full bar chart]				
Performance in tall grass (>30 cm)	[Short bar chart]				
Mowing on slopes	[Full bar chart]				
Uneven terrains	[Short bar chart]				
Manoeuvrability in tight spaces	[Short bar chart]				
Mowing speed	[Short bar chart]				

GRIN PM53A KW PERFORMANCE	1	2	3	4	5
Mowing quality in standard conditions	[Full bar chart]				
Performance in tall grass (>30 cm)	[Short bar chart]				
Mowing on slopes	[Full bar chart]				
Uneven terrains	[Short bar chart]				
Manoeuvrability in tight spaces	[Short bar chart]				
Mowing speed	[Short bar chart]				



## Kawasaki SPM range

INTERNAL COMBUSTION ENGINE

Professional



**Grin SPM53A KW is a 3-wheeled machine, with off-centered engine, ideal for maintenance in tall grass and on slopes. The innovative Grin HD bridge frame allows to fit the professional KAWASAKI engine off-centre.**

**It is characterized by a high mowing speed, that allows to mow 2.000 m<sup>2</sup> per hour.**

**The lockable pivoting front wheel, the GRIP GRIN MAXI rear wheels and the excellent weight balance make this machine agile and easy to maneuver in tight space, on uneven terrain and on slopes.**

**The 3-wheeled structure facilitates mowing near trees or other obstacles.**

**The professional KAWASAKI engine is equipped with a pressurised lubrication system to mow on slopes without facing lubrication problems.**

**Ideal for professional use in tall grass, it is best suited for difficult lawns with different mowing conditions, e.g. from rustic lawn, not often maintained to regularly maintained areas.**



# Professional HIGHLIGHTS

01. PIVOTING WHEEL



02. MOWING IN TALL GRASS



03. MOWING ON SLOPES



## 01. PIVOTING WHEEL

The front pivoting wheel grants extreme maneuverability in tight spaces and around obstacles.

A practical locking system allows to block the wheel in case of necessity.

The 3 wheeled structure grants an effective mowing even near trees, allowing the machine to get closer to the trunk compared to a model with 4 wheels. The rear wheels with maxi diameter have more grip on slopes and help on uneven terrains, reducing the effort of the user while mowing.

## 02. MOWING IN TALL GRASS

GRIN SPM53A KW is developed to mow in tall grass, still granting an effective result on well-maintained lawns, as well.

By adjusting the height of the pivoting front wheel, the grass can easily be fed into the mowing deck. The off-centred engine shifts the weight on the back of the machine, allowing to lift it easily under difficult mowing conditions. The mowing performance is higher thanks to the GRIN HD system and the FJ180V KAI Kawasaki engine specifically developed for this kind of use.

## 03. MOWING ON SLOPES

The professional Kawasaki engine is equipped with a pressurized lubrication system that allows the user to easily mow on slopes. The GRIN HD system allows to fit the off-centred engine.

This weight distribution makes the machine particularly handy on climbs, on slopes and when maneuvering.

# Kawasaki | SPM range

3. LAWNS UP TO 3.000 M<sup>2</sup>

# Kawasaki SPM range



Professional

RECOMMENDED FOR  
1.200-3.000 M<sup>2</sup>FOR SLOPES  
0-30°

## GRIN SPM53A KW

Powered by  
**Kawasaki**INTERNAL  
COMBUSTION  
ENGINE 

MOWING SYSTEM	Patented GRIN mowing system <b>MOWING - NO GRASS BAG - NO WASTE</b>
MOWING WIDTH	53 cm
MOWING HEIGHT	<b>3 heights</b> , adjustable on the front pivoting wheel
TRACTION	<b>Professional with 2 speeds</b> (Higher speed than the PM line)
WHEELS	<b>3 wheeled-structure</b> to facilitate mowing near trees. <b>Grip Grin Maxi</b> rear wheels for greater grip on uneven terrain and <b>front pivoting wheel</b> for greater maneuverability in tight spaces
MOWING DECK AND STRUCTURE	<b>Steel frame with off-centered engine</b> to facilitate maneuverability on slopes
ENGINE PROTECTION CONE	Standard, combined with <b>GRIN HD system</b>
HANDLEBAR	Foldable with quick <b>anti-vibration regulators</b>
ENGINE	<b>Kawasaki Fj180V KAI</b> With pressurised lubrication to mow on slopes - <b>179 cc</b>
START	Easy starter cord - manual
WEIGHT	59 kg

ENGINE FOR SLOPES &gt; 20°



**MOWING  
NO GRASS BAG  
NO WASTE**



GRIN SPM53A KW PERFORMANCE	1	2	3	4	5
Mowing quality in standard conditions					
Performance in tall grass (>30 cm)					
Mowing on slopes					
Uneven terrains					
Manoeuvrability in tight spaces					
Mowing speed					



# Summary data sheet



MODEL	RECOMMENDED FOR			MOWING WIDTH	WEIGHT	(Length x Width x Height)	(Length x Width x Height)	ENGINE			
	M <sup>2</sup>	SLOPE	USER			DIMENSIONS FOLDED	DIMENSIONS IN OPERATION	POWER SOURCE	ENGINE	START	VERTICAL STORAGE
EM37	0-400	0-10°	HobbyPRO	37 cm	20 kg	820x420 x370	1150x420 x1030	corded electric	electric 220 Volt Power 1.600 Watt	electric with push button	yes
HM37	0-400	0-10°	HobbyPRO	37 cm	25 kg	800x420 x420	1250x420 x1000	fuel	Briggs & Stratton 6.75 Ready Start 4-stroke - 163 cc MOW N'STOW	starter cord	yes
HM46	400-800	0-10°	HobbyPRO	46 cm	27 kg	800x520 x420	1250x520 x1000	fuel	Briggs & Stratton 6.75 Ready Start 4-stroke - 163 cc MOW N'STOW	starter cord	yes
HM46 IS	400-800	0-10°	HobbyPRO	46 cm	28 kg	800x520 x420	1250x520 x1000	fuel	Briggs & Stratton 6.75 - <b>INSTART</b> with built-in battery 4-stroke - 163 cc MOW N'STOW	electric with push button	yes
HM46A	800-1.200	0-20°	HobbyPRO	46 cm	32 kg	800x520 x420	1250x520 x1000	fuel	Briggs & Stratton 6.75 Ready Start 4-stroke - 163 cc MOW N'STOW	starter cord	yes
HM46A IS	800-1.200	0-20°	HobbyPRO	46 cm	33 kg	800x520 x420	1250x520 x1000	fuel	Briggs & Stratton 6.75 - <b>INSTART</b> with built-in battery 4-stroke - 163 cc MOW N'STOW	electric with push button	yes
HM53A	1.200-3.000	0-20°	HobbyPRO	53 cm	34 kg	900x600 x450	1350x600 x1000	fuel	Briggs & Stratton 6.75 Ready Start 4-stroke - 163 cc MOW N'STOW	starter cord	yes
HM53A IS	1.200-3.000	0-20°	HobbyPRO	53 cm	35 kg	900x600 x450	1350x600 x1000	fuel	Briggs & Stratton 6.75 - <b>INSTART</b> with built-in battery 4-stroke - 163 cc MOW N'STOW	electric with push button	yes
BM37-82V	0-400	0-10°	HobbyPRO	37 cm	23 kg without battery	800x420 x420	1250x420 x1000	battery	Cramer 82V Lithium ION	electric with push button	yes
BM46-82V	400-800	0-10°	HobbyPRO	46 cm	25 kg without battery	800x520 x420	1250x520 x1000	battery	Cramer 82V Lithium ION	electric with push button	yes
BM46A-82V	800-1.200	0-30°	Professional	46 cm	33 kg without battery	800x520 x420	1250x520 x1000	battery	Cramer 82V Lithium ION	electric with push button	yes
BM53A-82V	1.200-3.000	0-30°	Professional	53 cm	35 kg without battery	900x600 x450	1350x600 x1000	battery	Cramer 82V Lithium ION	electric with push button	yes
PM46A	800-1.200	0-20°	Professional	46 cm	37 kg	800x520 x420	1250x520 x1000	fuel	Briggs & Stratton 8.50 professional OHV Ready Start 4-stroke - 190 cc	starter cord	no
PM46A IS	800-1.200	0-20°	Professional	46 cm	38 kg	800x520 x420	1250x520 x1000	fuel	Briggs & Stratton 8.50 professional OHV <b>INSTART</b> with removable battery 4-stroke - 190 cc	electric with push button	no
PM53A	1.200-3.000	0-20°	Professional	53 cm	39 kg	900x600 x450	1350x600 x1000	fuel	Briggs & Stratton 8.50 professional OHV Ready Start 4-stroke - 190 cc	starter cord	no
PM53A IS	1.200-3.000	0-20°	Professional	53 cm	40 kg	900x600 x450	1350x600 x1000	fuel	Briggs & Stratton 8.50 professional OHV <b>INSTART</b> with removable battery 4-stroke - 190 cc	electric with push button	no
PM46A KW	800-1.200	0-30°	Professional	46 cm	45 kg	800x520 x420	1250x520 x1000	fuel	Kawasaki Fj180V KAI - 4-stroke with pressurised lubrication to mow on slopes - 179 cc	starter cord	no
PM53A KW	1.200-3.000	0-30°	Professional	53 cm	47 kg	900x600 x450	1350x600 x1000	fuel	Kawasaki Fj180V KAI - 4-stroke with pressurised lubrication to mow on slopes - 179 cc	starter cord	no
SPM53A KW	1.200-3.000	0-30°	Professional	53 cm	59 kg	1050x600 x550	1450x600 x550	fuel	Kawasaki Fj180V KAI - 4-stroke with pressurised lubrication to mow on slopes - 179 cc	starter cord	no



MOWING HEIGHT			WHEELS					HANDLEBAR		ENGINE PROTECTION CONE
REGULATION	MOWING HEIGHTS	MOWING HEIGHTS (mm)	MATERIAL	SLIDING	TREAD	FRONT DIAMETER	REAR DIAMETER	FOLDABLE	QUICK REGULATION	
centralised	4	30-60 mm	steel	double ball bearing	sculpted	115	115	yes	yes	no
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	181	yes	anti-vibration	optional
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	181	yes	anti-vibration	optional
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	181	yes	anti-vibration	optional
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	235	yes	anti-vibration	optional
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	235	yes	anti-vibration	optional
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	235	yes	anti-vibration	optional
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	235	yes	anti-vibration	optional
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	181	yes	anti-vibration	optional
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	181	yes	anti-vibration	yes
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	281	yes	anti-vibration	yes
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	281	yes	anti-vibration	yes
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	281	yes	anti-vibration	yes
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	281	yes	anti-vibration	yes
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	281	yes	anti-vibration	yes
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	281	yes	anti-vibration	yes
centralised	4	35-70 mm	steel	double ball bearing	Grip Grin	181	281	yes	anti-vibration	yes
front wheel	3	55-96 mm	steel	double ball bearing	Grip Grin	181	281	yes	anti-vibration	yes





# 4.

## LAWNS OVER 3.000 M<sup>2</sup>

XM range •

GRIN MAXI-3 mowing deck •

XM user-friendly •

XM 3 machines in 1 thanks to the ON BOARD plate •

XM technical features •



4. LAWNS OVER 3.000 M<sup>2</sup>

# XM range

INTERNAL COMBUSTION ENGINE

Professional



**XM:** The GRIN R-evolution for the **professional maintenance of large green spaces.**

This range of machines combines the **quality of the GRIN mowing system without grass bag** with **mowing decks of 90 cm, 120 cm and 140 cm.**

**GRIN MAXI-3 mowing decks allow an effective grass pulverization, even under difficult conditions.**

**The extreme manoeuvrability is granted by GRIN EASY DRIVE:** an innovative, practical, easy to use and to maintain zero-turn driving system.

The **reduced dimensions** make the handling on the lawn and the transport very easy. **The low weight implies low operating consumption and minimal soil and turf crushing.**

**The machines of the XM range can be transformed** in a few seconds **from lawn mowers into ride-on machines.** This can be done by the user himself thanks to the right accessory and without the need of any tools.



# XM R-Evolution

Professional maintenance of large green spaces.



**XMD** 90<sub>a</sub>

**XMD** 120<sub>a</sub>

**XMD** 140<sub>a</sub>



## GRIN XIM MAXI-3 mowing deck:

- The quality of the mowing system without grass bag is granted by **3 separate GRIN mowing decks laid out in a triangle.**
- The position of the **engine, directly on the mowing deck, provides maximum efficiency** and reduces the loss of power, **granting grass pulverization even under difficult conditions.**
- **The optimized weight balance allows the mowing deck to work under optimal conditions,** improving the mowing quality.



## Quick cleaning.

The cleaning system, equipped with graft for water hose, is integrated into the mowing deck and allows a quick maintenance.



## Electric mowing height adjustment.

- ✔ Button on the dashboard, that can also be used with the engine switched off.
- ✔ Micrometric adjustment.
- ✔ From 25 mm to 115 mm (measured on tarmac).



## **XM** user-friendly

**GRIN EASY DRIVE** is an **innovative Zero-Turn traction**, that grants:



### **Ease of use**

(easier control of the machine in comparison to the traditional zero-turn levers).



**Effectiveness on slopes.**



**Respect of the soil and the turf.**



Despite the wide mowing decks and the sturdiness of the steel structure, **the weight of GRIN XM is very low.** Depending on the model, **the weight varies between 180 kg and 215 kg and this allows:**

- **Minimal** soil and turf **crushing.**
- **Maximum** agility.
- **Less fuel** consumption.



The dimension of GRIN XM can be compared to the one of a lawnmower with small dimensions.

**GRIN XM is only app. 140 cm long and is:**

- ✔ **Handy in tight spaces.**
- ✔ **Practical for transport** on vehicles.

**4. LAWNS OVER 3.000 M<sup>2</sup>**

## **XM 3 machines in 1 thanks to the ON BOARD plate**

Grin XM can be equipped with the optional ON-BOARD connection plate for the quick coupling and uncoupling of **two accessories that allow a different configuration.**

.01

## STAND ON

For the use in lawnmower mode with **standing man on board.**



.02

## RIDE ON

For the use in lawnmower mode with **seated man on board.**



**IMPORTANT** The configuration can be changed by the user himself in a few seconds and without any tools.

#### 4. LAWNS OVER 3.000 M<sup>2</sup>

.01

**STAND ON** is an accessory that allows to use **XM** in the **standing man on board** version.







## **Stand-On allows the operator to have a position on the machine that grants:**

- ✔ **Better view** of the mowing area.
- ✔ **More safety**, in case of having to quit the machine.
- ✔ **Compact dimension**.
- ✔ **Higher performance on slopes**.

#### 4. LAWNS OVER 3.000 M<sup>2</sup>

.02

**RIDE-ON** is an accessory that allows to use **XM** in the **seated man on board** version.



**RIDE-ON offers a comfortable seat to the operator, even in intensive use, thanks to:**

- ✔ Coupling joint with **piston shock absorber**.
- ✔ **Comfort seat** with high quality padding.
- ✔ **Spring cushioned seat**.



### The advantages of RIDE-ON are:

- ✔ **Safety** for the operator.
- ✔ **Adaptability and maneuverability** in tight spaces.
- ✔ **Optimal weight distribution** with **low rate of soil crushing**.
- ✔ **More grip** on slopes.

4. LAWNS OVER 3.000 M<sup>2</sup>**XM range****TECHNICAL SPECIFICATIONS**

INTERNAL  
COMBUSTION  
ENGINE 

MOWING SYSTEM	Patented GRIN mowing system MOWING - NO GRASS BAG - NO WASTE
MOWING HEIGHT	Electric adjustment, from 25 mm to 115 mm, countless positions in between
MOWING DECK	GRIN MAXI 3: three GRIN mowing decks
ENGINE PROTECTION CONE	Standard
TRACTION	GRIN EASY DRIVE: easy handling zero-turn drive
WHEELS	Front: Flat full wheel 209x76 - Rear: Garden wheel 13x5.00-6
ENGINE	Briggs & Stratton 4175EX - 500 cc
TANK CAPACITY	8 lt
START	Electric



MOWING WIDTH	WEIGHT	M <sup>2</sup> /H	DIMENSIONS (L x W x H) (Open handlebar - High deck)
90 cm	180 Kg	5.200 M <sup>2</sup> /H	139 x 96 x 116 cm



MOWING WIDTH	WEIGHT	M <sup>2</sup> /H	DIMENSIONS (L x W x H) (Open handlebar - High deck)
120 cm	200 Kg	7.000 M <sup>2</sup> /H	145 x 126 x 116 cm



MOWING WIDTH	WEIGHT	M <sup>2</sup> /H	DIMENSIONS (L x W x H) (Open handlebar - High deck)
140 cm	215 Kg	8.100 M <sup>2</sup> /H	145 x 146 x 116 cm



**GRIN**

**GRIN**

ATTENZIONE  
SISTEMA ORIGINALE  
SOTTO PRESSIONE  
AL LAVORO MANUTENZIONE  
SOLLO LAVORARE APPROPRIATO  
ORIGINALE O UFFICIALE

MAX 15'

MAX 15'

WARNING  
SELECT THE APPROPRIATE TYPE OF BATTERY  
WITH THE CORRECT POLARITY  
CONNECTED.  
PROHIBIT TO REMOVE THE COVER OF THE  
BATTERY AND THE BATTERY

IN CASO DI  
MANUTENZIONE  
SPERDERE LA  
MACHINE E  
SCOLLEGARE LA  
BATTERIA

CON LA  
MANTENZIONE  
BATTERIA DA  
ESICITE DA MANUTENZIONE

# 5.

# GRIN SHREDDERS

**BIOCH range** ·

BIOCH50 ·

BIOCH70 ·

BIOCH120 ·

BIOCH120 strengths ·





# BIOCH range

INTERNAL COMBUSTION ENGINE

HobbyPRO

Professional



The BIOCH range consists of **3 shredders** for demanding private and professional users, who are looking for **high-quality** products with an **effective pruning shredding system in all situations**, without giving up **compact dimensions and easy handling**.

Powered by high-performance, **professional Briggs & Stratton engines**, they are equipped with a comfortable **electric starter** that grants an immediate and effortless start. The start cord is also available in case of necessity.

The quality of chippings is guaranteed by the **GRIN cutting system and the steel frame grants the reliability and durability** of these products. Innovative, technical solutions, the ergonomic design and the weight distribution allow these machines to **be moved** inside the garden **without effort** or to be transported easily by car or in a van.

Each component was developed to grant the highest user convenience and security.



# BIOCH range

In any conditions a perfect chipping.



**BIOCH50**

**BIOCH70**

**BIOCH120**

# GRIN BIOCH50



GRIN BIOCH50 is the ideal shredder for demanding private users that need to chop the pruning of hedges, orchards and vegetable gardens up to diameters of 50-55 mm.

Built on a robust steel frame, it is equipped with the powerful and reliable Briggs & Stratton XR PROFESSIONAL Series, 208 cc engine with electric starter.

The GRIN chopping system with a 280 mm disk, with 2 blades and 8 flails, allows you to finely and quickly process all kind of pruning to transform it into excellent chippings for your garden. The steel structure grants durability and performance even by intensive use and it is developed to be very handy thanks to the big GRIP GRIN run flat wheels and the practical transport handle. The feed hopper is equipped with a quick opening to clean the cutting system and for an easy transport even by car. The wide and high hopper allows the operator to load a good quantity of material in complete safety.



INTERNAL  
COMBUSTION  
ENGINE

RECOMMENDED FOR DIAMETER

50 mm

RECOMMENDED FOR CHOPPING

Pruning of hedges, orchards and vegetable gardens.

## TECHNICAL SPECIFICATIONS

ELECTRIC START



CUTTING SYSTEM	GRIN cutting system with 6 mm thick disk and diameter of 280 mm, with 2 blades and 8 flails
BLADES	100 mm in high strength, hardened steel
WHEELS	GRIP GRIN run flat tires, in steel and with double ball bearing and MAXI diameter
STRUCTURE	Powder coated steel
ENGINE	Briggs & Stratton XR Professional 4-stroke, 208 cc engine
START	Electric (starter cord available if necessary)
WEIGHT	71 Kg
DISCHARGE SYSTEM	Fixed - in steel
HOPPER	Quick opening system for cleaning and transport
TRANSMISSION	V-belt
HOURLY OUTPUT	2 - 3 cubic meters per hour depending on the processed material



# GRIN BIOCH70



GRIN BIOCH70 is the ideal shredder for gardeners, farmers and demanding private users who need a powerful machine with compact dimensions and low weight to chop pruning up to diameters of 70-75 mm, also suitable for fibrous wood such as olive trees and palms.

Build on a robust steel frame, it is equipped with the powerful and reliable Briggs & Stratton XR 1450 Series, 306 cc engine with electric starter.

The GRIN chopping system with a 340 mm disk, with 2 blades and 12 flails, allows you to finely and quickly process all kind of pruning, even the most fibrous one, and transform it into excellent chippings. The steel structure grants durability and performance even by intensive use and it is developed to be very handy thanks to the big GRIP GRIN run flat wheels and the practical transport handle. The wide and high hopper allows the loading of a good quantity of material and the safety of the user. The 360°swiveling discharge chute with quick adjustable system is very wide and allows you to discharge the processed material directly onto a van or a trailer.



INTERNAL  
COMBUSTION  
ENGINE

RECOMMENDED FOR DIAMETER

70 mm

RECOMMENDED FOR CHOPPING

Purning of wood with many leaves (also olive trees and palms).

## TECHNICAL SPECIFICATIONS

ELECTRIC START



CUTTING SYSTEM	GRIN cutting system with <b>10 mm thick disk and diameter of 340 mm, with 2 blades and 12 flails</b>
BLADES	<b>150 mm in high strength, hardened steel</b>
WHEELS	<b>GRIP GRIN run flat tires, in steel and with double ball bearing and MAXI diameter</b>
STRUCTURE	Powder coated steel
ENGINE	<b>Briggs &amp; Stratton XR 1450 4-stroke, 306 cc engine</b>
START	<b>Electric</b> (starter cord available if necessary)
WEIGHT	135 kg
DISCHARGE SYSTEM	<b>Swiveling at 360° with quick adjustable system - in steel</b>
HOPPER	<b>Removable</b>
TRANSMISSION	<b>Double V-belt</b>
HOURLY OUTPUT	<b>4 - 6 cubic meters per hour</b> depending on the processed material





## GRIN BIOCH120

Grin BIOCH120 is the ideal shredder **for pruning experts**: gardeners, farmers and hirers. It quickly chops branches up to **120 mm diameters**, producing a **high-quality chipping: very fine and uniform**. It is equipped with the powerful **V-Twin engine 23 hp Vanguard, Briggs & Stratton, with electric start**.

The **working speed** is remarkable, and the branches are introduced thanks to a hydraulic roller with **adjustable speed**. An **anti-stress control unit** helps the operator to control the volume of material introduced, preventing the clogging of the cutting system.

The GRIN chopping system consists of a 4 blade cutterhead and it is **very effective even with leafy pruning or difficult pruning such as palm and olive trees**.

The **tracks allow you to transport BIOCH120 quickly and safely to the most inaccessible working areas**.

**Stability and ease of handling are granted by the low center of gravity**.

The **compact dimensions** and the **foldable hopper** make transport and storage very easy.

**The power and quality of the engine, combined with the MADE IN ITALY construction with high quality materials, grant low operating and maintenance costs** as well as increased durability, even by intensive use.



INTERNAL  
COMBUSTION  
ENGINE

RECOMMENDED FOR DIAMETER

120 mm

RECOMMENDED FOR CHOPPING

Any kind of pruning.

## TECHNICAL SPECIFICATIONS

ELECTRIC START



CUTTING SYSTEM	GRIN cutterhead system with 4 hardened steel blades
STRUCTURE	Powder coated steel
HOPPER	Maxi Hopper 96 cm - foldable in 2 places
LOADING ROLLER	Hydraulic steel toothed roller with adjustable speed and anti-stress control unit
DISCHARGE SYSTEM	Swiveling at 360° - adjustable deflector - discharge height 195 cm
HANDLING	Hydraulic tracks (Length 105 cm - Width 90 cm)
ENGINE	VANGUARD Briggs & Stratton 23 HP - V-Twin 627 cc - integrated tank 8,5 lt.
TRANSMISSION	Double V-belt
START	Electric (with starter cord, if required)
SIZE IN CM	In action: 290 L x 109 W X196 H - Transport: 175 L x 109 W x 150 H
WEIGHT	550 Kg

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# BIOCH120 strengths



01

Convenient, safe, and quick **material loading.**

02

Great **shredding capacity.**





# The ideal shredder for **pruning experts**.

03

Anti-Clogging discharge system .

04

Easy handling.



5. GRIN SHREDDERS

# Convenient, safe, and quick material loading



01. MAXI HOPPER



02. WIDE CUTTING SYSTEM INLET



## 03. HYDRAULIC LOADING ROLLER WITH ADJUSTABLE SPEED



## 01. MAXI HOPPER

The GRIN BIOCH120 hopper has a **very wide inlet (96 x 43 cm)** to allow the operator to easily introduce material. It can be **easily folded in two points** for space-saving transportation. On the hopper there are the **emergency button**, the machine **restart button** and the **commands to reverse the direction of the loading roller**.

## 03. HYDRAULIC LOADING ROLLER WITH ADJUSTABLE SPEED

The toothed loading roller allows the **transport of the material** from the hopper into the GRIN shredding system. The roller is made of **very resistant steel** and powered by a **high-performance hydraulic pump**. An external control allows you to change the **speed in order to adjust the amount of material to be processed** according to the type.

## 04. STANDARD ANTISTRESS SYSTEM



## 02. WIDE CUTTING SYSTEM INLET

Once loaded, the material passes through the lower part of the hopper before entering the shredding system. **Once again, the generous dimensions (33.5 x 32 cm) make the introduction of particularly leafy material very easy.**

In this way, even the most difficult pruning are quickly shredded by GRIN BIOCH120 with a **significant reduction in working time**.

## 04. STANDARD ANTISTRESS SYSTEM

The ANTISTRESS system consists of a **control unit that detects the engine effort** and transmits information to the loading roller. In this way, **the loading speed is optimized** in case of material hard to process.

The ANTISTRESS control unit doubles as an **hour counter** to register the actual use of the machine.

# Great shredding capacity



01. GRIN CUTTERHEAD SYSTEM WITH 4 KNIVES AND RADIAL BLADES



## 02. UP TO 120 MM



### 01. GRIN CUTTERHEAD SYSTEM WITH 4 KNIVES AND RADIAL BLADES

The heart of BIOCH120 is the **GRIN cutterhead system**, that weighs **50 kg**. This system is equipped with **four heavy-duty, hardened steel knives** that grant finely cut material.

The **radial blades** placed inside the cutterhead can produce a **strong air flow** that has the dual task of:

- **Quickly ejecting material** once processed from the cutterhead to avoid clogging and speed up work
- **Pushing the material** out of the discharge system to avoid clogging even when it is wet and/or fibrous.

A flap allows **the inspection of the cutterhead (and the roller)** for cleaning or maintaining the cutting blades. The bearings dedicated to transport have a cast-iron support with grease nipple.

## 03. CUTTING OF DRY, GREEN AND FIBROUS WOOD



### 02. UP TO 120 MM

GRIN BIOCH120 is suitable to chop pruning up to **120 mm diameters**. **The high-quality chipping is uniform**, ideal for reuse without any further processing. The transmission is granted by a double toothed belt with centrifugal clutch.

### 03. CUTTING OF DRY, GREEN AND FIBROUS WOOD

Optimal performances even with **difficult and fibrous pruning such as palm or olive trees**. The shredding system, combined with the power of the **Briggs & Stratton VANGUARD 627 CC 23HP two-cylinder engine**, does not fail even with the most difficult material.

The engine start is electric, but also corded if required. The integrated 8.5 L tank allows you to work without interruption over a long period.

# Anti-Clogging discharge system



01. DISCHARGE CHUTE WITH WIDE INLET



02. 360° SWIVELING DISCHARGE CHUTE



## 01. DISCHARGE CHUTE WITH WIDE INLET

The processed material is discharged through a very wide **discharge chute of approximately 40 x 20 cm**.

Inside the discharge chute **there are no bottlenecks** that can obstruct the material outflow.

The shape of the discharge chute has been developed to **make the most of the powerful airflow created by the radial blades** of the shredding system.

## 02. 360° SWIVELING DISCHARGE CHUTE

The **360° swiveling** discharge chute with quick adjustable system **discharges the material at a height of about 195 cm**.

A **deflector allows you to adjust the direction of the discharged material** for a proper loading onto vehicles.

The generous dimensions and the angle of the discharge chute are developed, once again, **to facilitate the discharge of chipping**, avoiding clogging issues even when the material is green and fibrous.

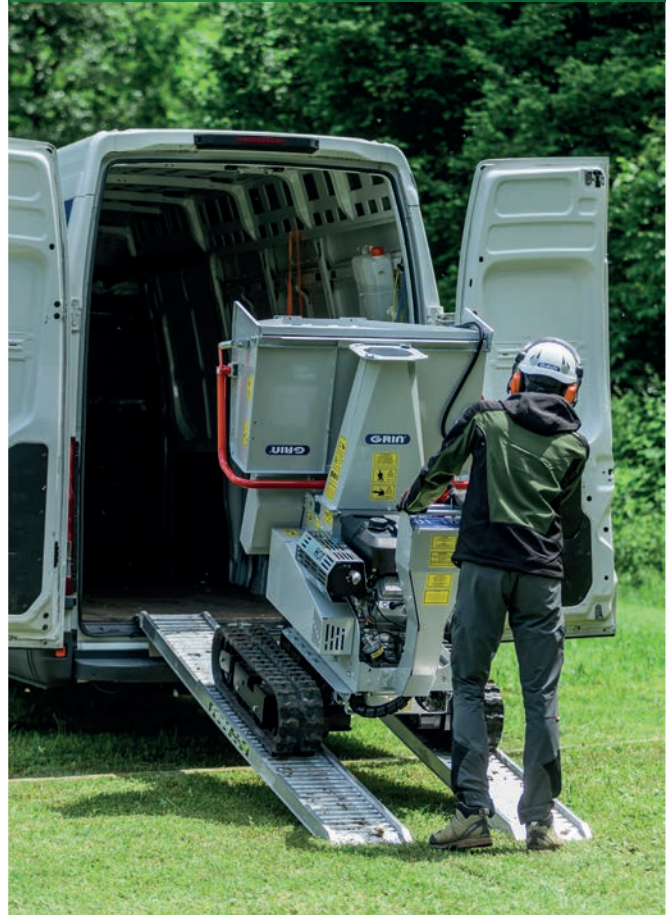
# Easy handling



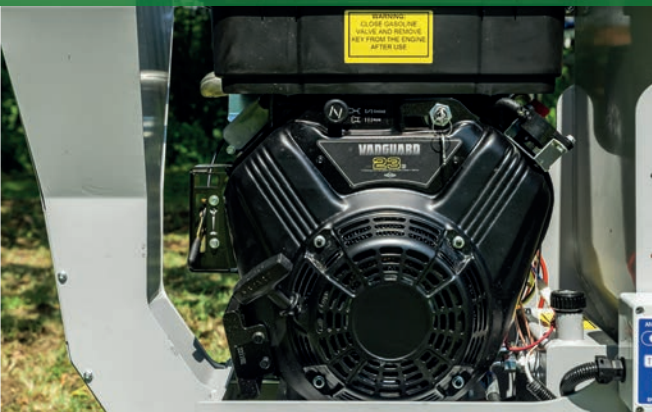
## 01. HYDRAULIC TRACKS



## 02. REDUCED DIMENSIONS AND LOW WEIGHT



## 03. SINGLE ENGINE TO SHIFT THE CENTER OF GRAVITY DOWNWARDS



### 01. HYDRAULIC TRACKS

BIOCH120 can be easily moved thanks to **two hydraulic tracks** developed for this specific application.

The hydraulic handling is possible thanks to two levers on the dashboard that grant **smooth movements on lawns** but are, at the same time, **effective on uneven terrain** and wood areas.

BIOCH120 has a **driving speed of 2.5 km/h** and is **effective on slopes up to 37%**.

The tracks are 105 cm long and the track width is 90 cm. Compared to other shredders, the length and track width are very wide, increasing in this way stability and safety.

### 02. REDUCED DIMENSIONS AND LOW WEIGHT

BIOCH 120 is **only 109 cm wide** and **approximately 174 cm long**

**when the hopper is folded.** (290 cm with open hopper)

These dimensions are very compact for this machine type and **allow you to transport BIOCH 120 even on the smallest trucks.**

It is also possible to store the machine in a small space.

The weight of 550 kg is low, even if the construction is very solid.

### 03. SINGLE ENGINE TO SHIFT THE CENTER OF GRAVITY DOWNWARDS, INCREASE STABILITY AND DRIVING SENSIBILITY

The single 627 cc Briggs & Stratton Vanguard engine serves both for handling and for operating the cutting system.

The position of the engine is developed to **shift the center of gravity downwards in order to increase stability** to: avoid **overturning** and improve **driving sensibility**. The single engine also optimizes consumption and maintenance of the machine.





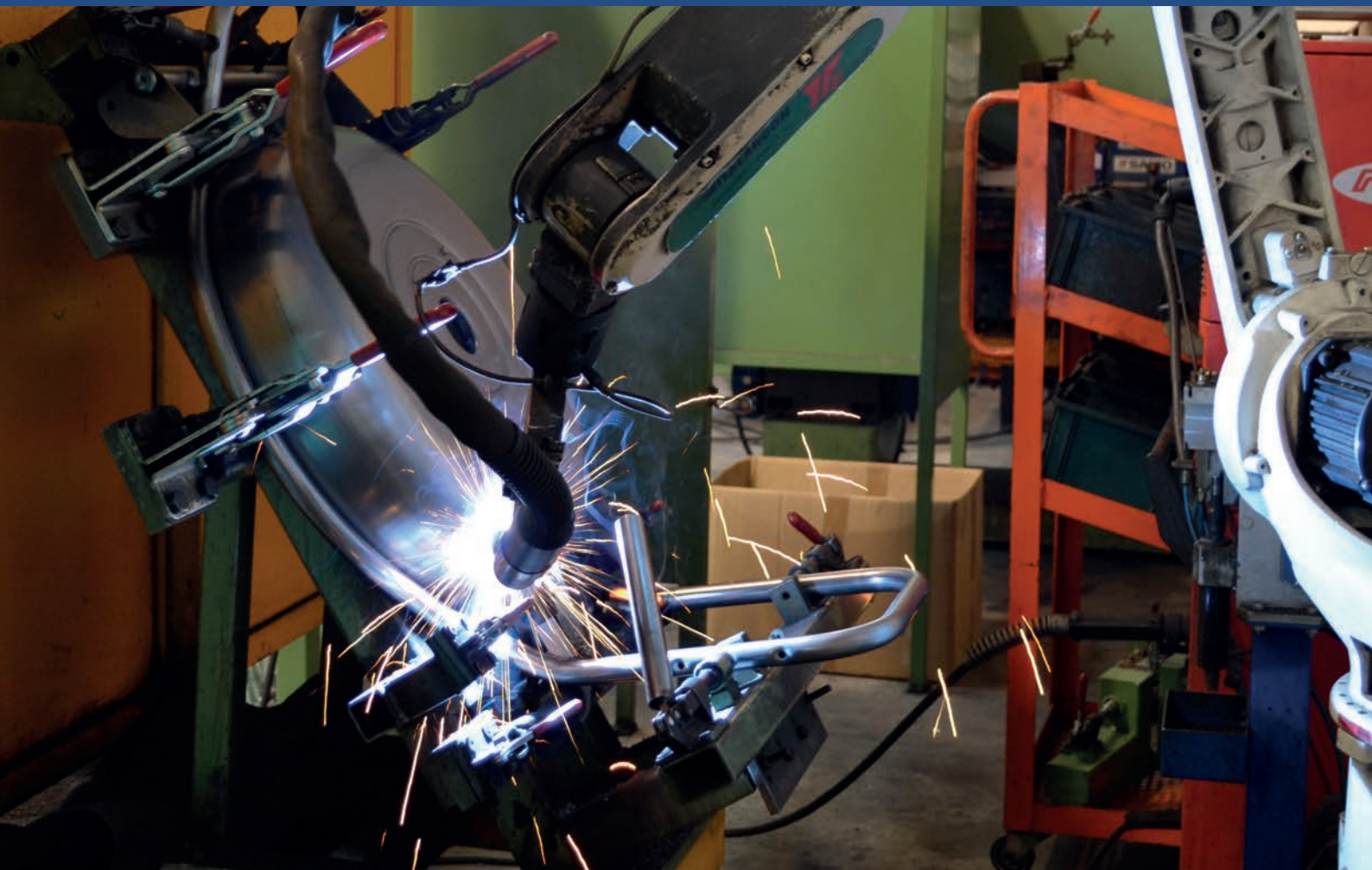
**6.**

**GRIN IS  
ALWAYS BY  
YOUR SIDE**

The GRIN company ·



# The GRIN company



**GRIN srl was founded in 2005** around the patented mowing system: MOWING – NO GRASS BAG - NO WASTE. With headquarters in Sirtori, Lecco province, famous for the mechanical engineering industry, GRIN srl has grown thanks to the passion and years of expertise within the lawn mowing sector.

**The first years were dedicated to the development of a highly innovative range of lawn mowers produced in Italy.**

**Innovation and quality** are the groundstones of GRIN philosophy. Therefore, the company itself carries out all development steps, the production and the assembly.

**Over 95% of the components are MADE IN ITALY and most of them are produced directly by GRIN.**

During these years, the GRIN project has grown and developed in the main **European markets**. This led to the opening of the branch **GRIN FRANCE in La Verpillière**, near Lyon, and to the launch of the countries **BELGIUM and the NETHERLANDS**, as well as many collaborations with international distributors.



#changeyourperspective

HEADQUARTER  
and BRANCH



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