

Tine conveyor loader wagon
BOSS 5000 MASTER

 **PÖTTINGER**

Peak feed quality



Peak feed quality

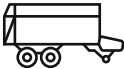


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BOSS 5000 MASTER

The BOSS 5000 MASTER is equipped with the EVOMATIC loading system and represents high-performance harvesting and maximum forage conservation. The forage is picked up gently without leaving anything behind by the 5 or 6-row pick-up. Next, the forage is passed on to the innovative EVOMATIC loading unit before being chopped into evenly-sized slices by the 6, 16 or 31-knife knife bank and transferred to the loading chamber. The choice of equipment options makes the BOSS an all-rounder in grassland harvesting.

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The best forage



The best forage quality is the basis for your success

High-yield dairy cattle need a high-quality basic ration with the optimum structure. If the forage they are presented with also smells pleasant, the animals will consume it willingly and in sufficient quantities. In this way, the rumen is ideally attuned to forage intake by the livestock and is prepared to maximise utilisation of the ration.

A high-quality basic ration reduces dependence on concentrates and promotes animal health, both of which lower your costs.

There is no way around the fact that the cows' health has an impact on their fertility and milk yield. The bottom line is that you benefit from clean, high-quality forage with higher profits from your dairy business.

BOSS 5000 MASTER the tine conveyor loader wagon

High-quality basic ration provides sufficient structure for the rumen, and, if harvested properly, is full of energy, just like concentrates. When it comes to harvesting a wide variety of crops, a tine conveyor loader wagon ticks all the boxes. The EVOMATIC loading unit ensures a gentle and even flow of crop to fill the loading chamber, while at the same time offering the power of a rotor loading system.

The BOSS 5000 is PÖTTINGER's most powerful tine conveyor loader wagon and provides the optimum platform for bringing in high-quality forage in high quantities for your animals.

BOSS 5000 MASTER



Top forage quality



Top forage quality

In order to harvest the best forage, it is not only the forage crop plants and the time of harvest that are decisive. The harvesting process itself also plays a major role.

Clean collection

The controlled floating pick-up conserves the sward, reduces dirt ingress and at the same time prevents unnecessary wear on the tines. Thanks to the floating system, the crop can be picked up cleanly from the ground even in difficult conditions.

Perfect forage flow

The swath roller including specially adapted plastic crop transfer rods ensures a perfect forage flow even at higher loading speeds. Maximum loading capacity is ensured by the pick-up.

Tidy transfer

Thanks to the controlled pick-up, the tines are retracted horizontally so that the forage is actively transferred to the loading unit. The innovative EVOMATIC loading unit delivers high loading performance and is impressively smooth running while still ensuring maximum forage conservation.

Consistent chop length

Thanks to the modular chopping system, the BOSS is easy to configure to meet your requirements. The knives are each protected against foreign objects. Consistent chopping quality for the best forage is guaranteed.

BOSS 5000 MASTER



Controlled floating pick-up

The BOSS 5000 features PÖTTINGER's specially developed floating pick-up, which stands for cleanly collected crop and top forage quality.

Thanks to key components and features such as mechanical weight alleviation, floating suspension, controlled pick-up tines, jockey wheels and a jockey wheel chassis, everything is set to harvest the best quality forage.

Everything considered, the controlled floating pick-up ensures a reliable and high intake rate.

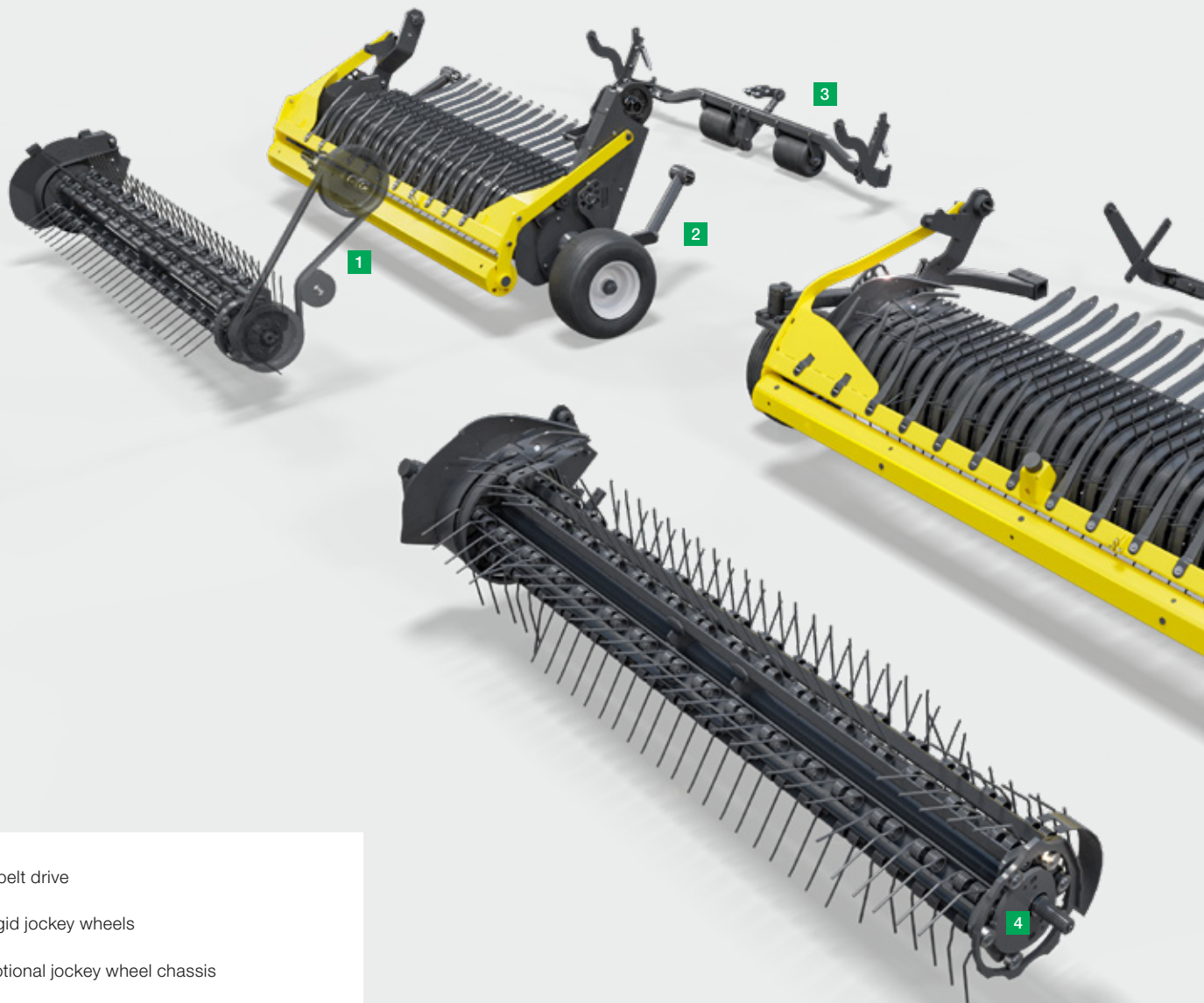
Pick-up driveline

PÖTTINGER uses V-belts to drive the pick-up on the BOSS 5000 to ensure smooth and maintenance-free operation. The driveline is fitted with two belts, that adapt perfectly to the movements of the pick-up. At the same time, they serve as overload protection. Maintenance and wear are minimised.

Top forage quality

Pick-up

5-row floating pick-up



- 1 V-belt drive
- 2 Rigid jockey wheels
- 3 Optional jockey wheel chassis
- 4 Cam track control
- 5 Swath roller with crop transfer rods
- 6 Guide fingers
- 7 Trailing controlled jockey wheels

BOSS 5000 MASTER

Tidy crop collection

Rows of sweeping tines

The 6 rows of sweeping tines on the pick-up adapt perfectly to undulations, ensuring that the crop is picked up cleanly from the ground. Because the entire length of the tine leg is used right up to the withdrawal point, the forage is transferred perfectly to the loading unit.

Thanks to the sweeping action of the controlled pick-up tines, the sward is conserved, the crude ash content is reduced, and unnecessary wear to the tines is avoided.

Cam track control

The shape of the cam track ensures optimum movement of the tines. This ensures the tines sweep in an arc to pick up the forage at the correct angle. They lift the forage gently from the ground, actively transfer the crop to the loading unit at a matched speed and at the defined transfer point. The tines dip down at right angles to prevent the forage from snagging.

The machined cam tracks with solid inner core at each end of the pick-up ensure smooth operation, an extended service life, and maximum efficiency.

Swath roller

The swath roller with optimised crop transfer rods ensures perfect crop flow even at high driving speeds. The plastic crop transfer rods are designed for flexibility and also have a cushioning effect.



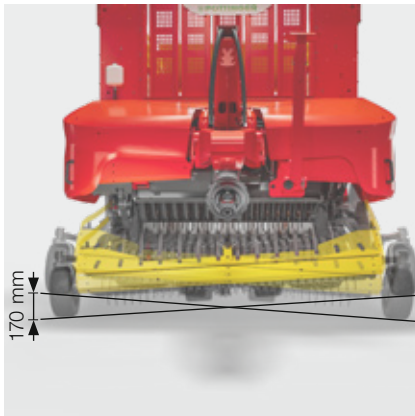
6-row floating pick-up

Top forage quality

Pick-up

Standard 5-row pick-up

The BOSS 5000 features the 5-row floating pick-up as standard. The pick-up width of 1.8 m is perfect for use in hilly terrain and picks up the crop cleanly. The floating pick-up is designed to handle the demands of daily use. It delivers reliable intake in all standard harvesting conditions and is the basis for gentle crop take-up and a smooth workflow.



170 mm travel path

The pick-up suspension allows side-to-side movement of 170 mm. In addition, the pick-up can also move down in the direction of travel, which ensures the crop is collected cleanly, even in deep troughs or over ridges.

Jockey wheels

Rigid jockey wheels are fitted as standard for tight control. Steered jockey wheels are available as an option to optimise sward conservation when cornering. The height of both jockey wheel versions can be adjusted without the need for tools using a pin-in-hole matrix.

A changeover system on the jockey wheels allows an additional selection between optimum ground tracking at the point of tine engagement, and optimised clearance to make it easier to drive over the clamp, or through awkward field entrances.

Optional jockey wheel chassis

The 5-row pick-up has an optional jockey wheel chassis for optimised ground tracking.

Parallel linkage with the optional jockey wheel chassis

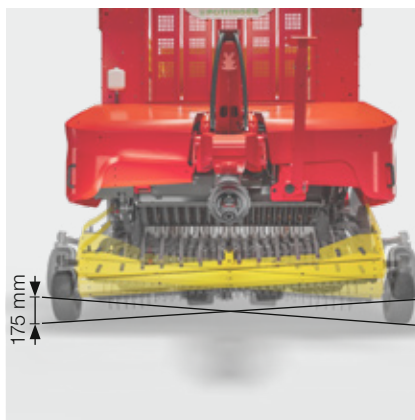
An optional jockey wheel chassis is available for even better ground tracking. Two rollers are mounted behind the pick-up to guide it over the ground more accurately. The jockey wheel chassis moves together with the jockey wheels in all directions while still allowing the pick-up to float freely. This moves in unison with the jockey wheels and the pick-up tines, in the same way as with a parallel linkage.

Before starting work, the height of the jockey wheel chassis can be adjusted up and down using a turnbuckle.

Optional 6-row pick-up

A 6-row pick-up with a pick-up width of 2.1 m can be selected for the BOSS 5000 as an option, which is ideal for large and wide swaths.

This optional floating pick-up has a tension spring as standard for mechanical weight alleviation, which massively reduces the contact pressure to the ground. Each jockey wheel only exerts 100 kg at each end of the pick-up to conserve the swath. Hydraulic weight alleviation of the pick-up is also available for consistent ground pressure. The cylinder can be adapted flexibly to the on-site conditions.



Specially shaped guide fingers

The wider pick-up on the BOSS 5000 has specially shaped guide fingers on each side that have been developed for easy crop flow merging. Their solid and robust design is aimed at minimising wear and maintenance costs.

175 mm travel path

The pick-up is suspended at each end and moves through an arc of 175 mm. In addition, the pick-up can also swing downwards in the direction of travel.

As a result, clean and loss-free crop take-up on uneven terrain is no problem. Even swathes located on the roughest ground are picked up cleanly.

Jockey wheels

The jockey wheels are trailed as standard. The height of the jockey wheels can be adjusted without the need for tools using a hole matrix.

These height-adjustable jockey wheels contact the ground on precisely the same line as the tines to ensure perfect ground tracking.

Optional feed auger

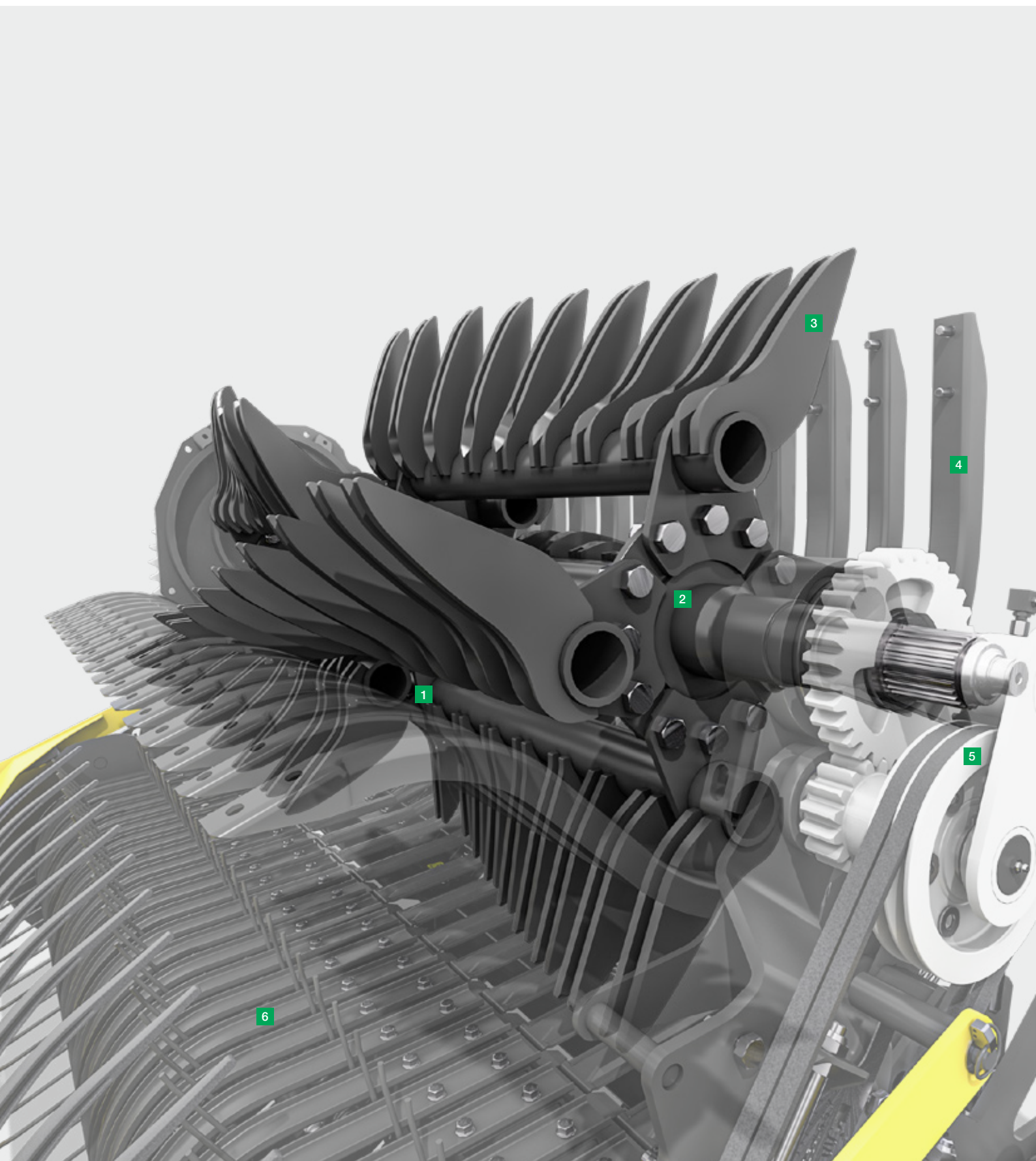
Feed augers are available as an option to be fitted to the 2.1 m pick-up, especially for challenging operating conditions such as fetching fresh grass for zero-grazing. The result is optimum crop flow.

Optional jockey wheel chassis

The 6-row pick-up can also be fitted with a jockey wheel chassis as an option for better ground tracking and to prevent the tines from digging into the ground.

Top forage quality

EVOMATIC



BOSS 5000 MASTER



EVOMATIC loading unit

The innovative EVOMATIC loading unit on the BOSS 5000 MASTER delivers an impressive 25% higher loading performance compared to a conventional tine conveyor wagon. It is also impressive in the way that it runs so smoothly while ensuring maximum forage conservation.

Powerful and innovative smooth loading

Four split conveying elements continuously convey the forage through the knives into the loading chamber. Each batch of forage is gathered uniformly and then chopped as it is conveyed jolt-free into the loading chamber. This ensures a high throughput rate.

The 4 conveyor elements are bolted to a shaft, split at the centre, and arranged in an offset configuration. Wear and maintenance are significantly reduced over the long term thanks to their robust design.

- Tractor power: 90 hp to 150 hp
- PTO speed: 1000 rpm



Smooth tine geometry

The conveyor elements have been designed with a specially developed tine geometry. The double tines are securely bolted to the carrier arm. As the tines enter the forage, they are shaped to deflect the force acting on them so that the force is dissipated evenly over the whole loading unit. This means that there is no jolting.

The EVOMATIC loading unit combines the advantages of silage and hay harvesting so that it is as powerful as a rotor wagon yet conserves the forage with its tine conveyor.

Large transfer throat

The transfer throat, which opens up to the rear, and the sweeping tine geometry ensure a high level of forage conservation, as the forage easily passes through into the loading chamber.

- 1 Centre-split tine conveyors
- 2 Shaft with 4 bolted conveyor elements
- 3 Double tines
- 4 Scrapers
- 5 Pick-up driveline via V-belts
- 6 Floating pick-up



Top forage quality

EVOMATIC



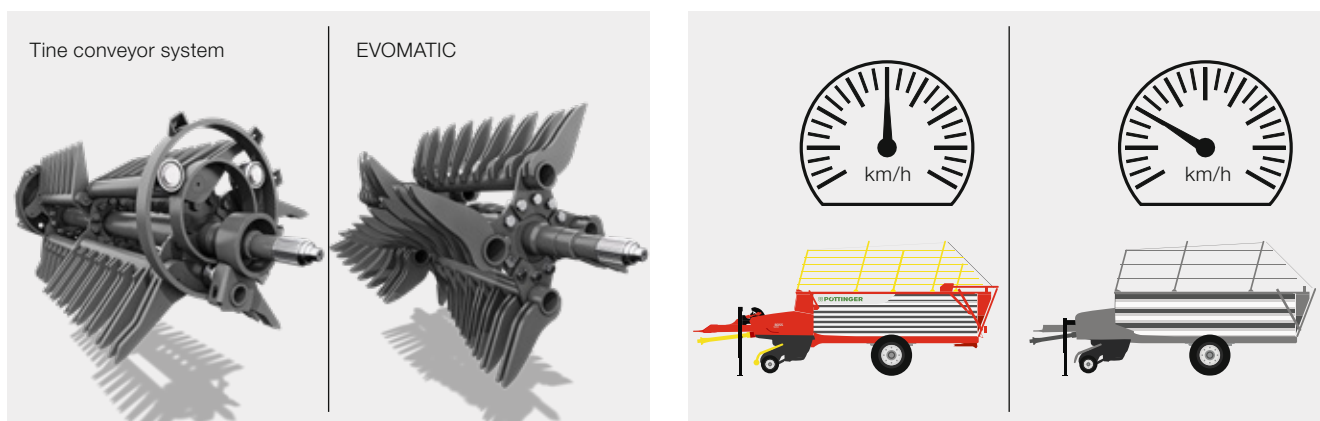
EVOMATIC – the next step in tine conveyor evolution

The EVOMATIC is a completely new loading system developed by PÖTTINGER based on classic tine conveyor technology. EVOMATIC now offers the advantages of the traditional tine conveyor unit engineered for the higher horsepower of modern tractors.

The best of both worlds

EVOMATIC combines the forage conservation of a tine conveyor system with the loading capacity of a rotor. Confirmed by tests at the HBLFA Raumberg-Gumpenstein agricultural college:

“The new EVOMATIC loading unit on PÖTTINGER's tine-conveyor loader wagons delivers efficient, high-performance harvesting while maintaining an excellent level of forage conservation.” *



As gentle on the forage as a tine

A comparison between a tine conveyor unit and the new EVOMATIC technology showed no discernible differences in terms of disintegration losses.

In addition, the new EVOMATIC loading unit has not been found to cause compaction that might prevent hay from drying properly during ventilation. A uniform drying process, like with material from a tine conveyor loader wagon, is demonstrably guaranteed.

As powerful as a rotor

In terms of loading performance, EVOMATIC together with the controlled pick-up from PÖTTINGER make a dream team.

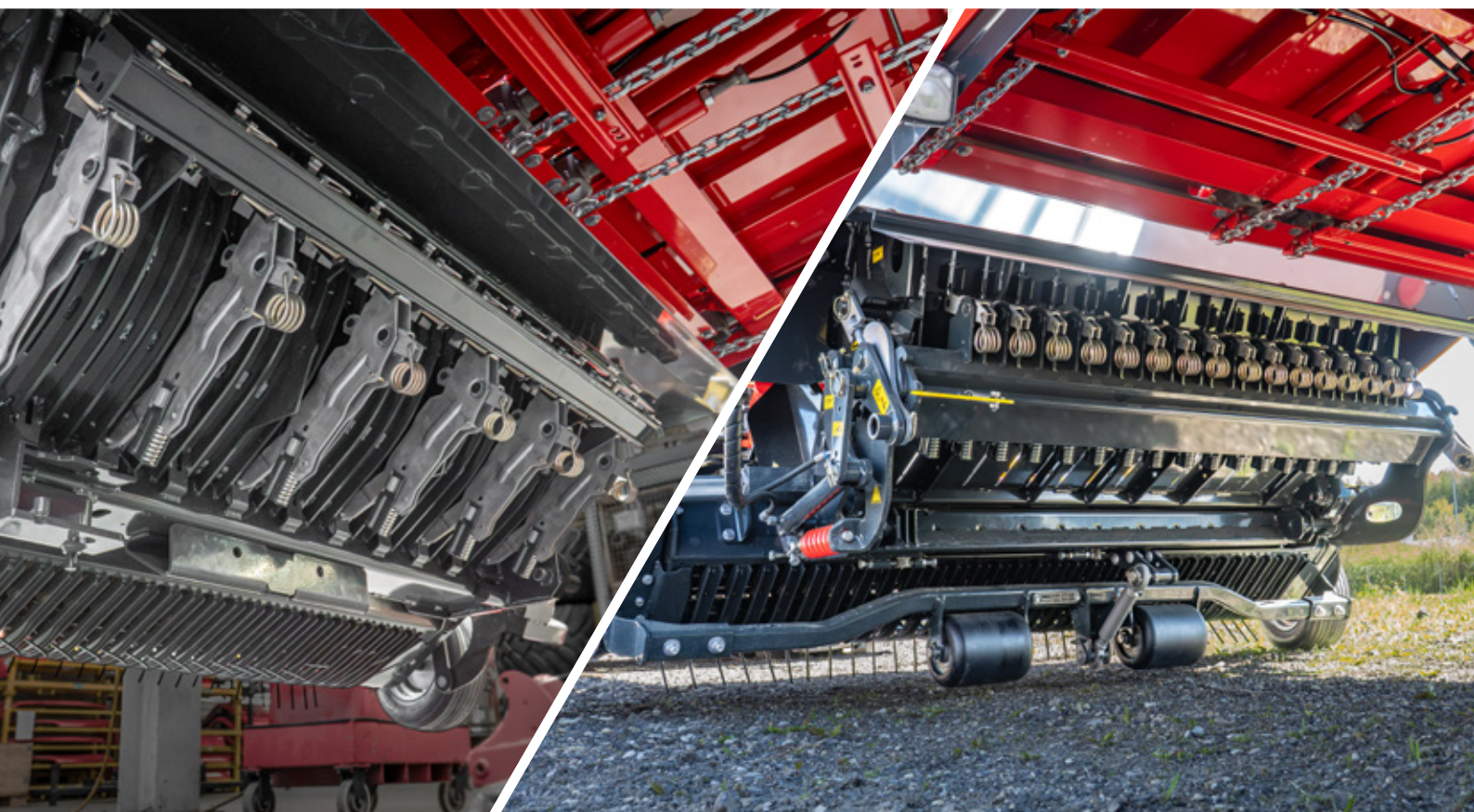
The test procedure at HBLFA Raumberg-Gumpenstein agricultural college

The test results presented are based on comparative measurements in permanent grassland from 2021 and 2022. The crop consisted mainly of ryegrass, cock's-foot and meadow foxtail. The timing of the cut was at the end of ear and panicle formation. The forage was collected after drying in the field to approximately 80% DM. The crop was then placed in drying boxes.

* Source: Pöllinger-Zierler, A. (2022): Comparative tests using a hay loader wagon newly developed by PÖTTINGER.

Top forage quality

Chopping system



Possible No. of knives

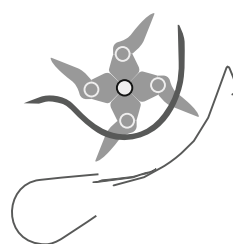
Thanks to the modular chopping system, the BOSS is easy to configure to meet your requirements. Each of the 5 mm thick knives is individually protected against foreign objects.

As standard, the knives can be pivoted out of the working position manually using a lever. The knives are removed for sharpening or replacement as usual from underneath the loader wagon.

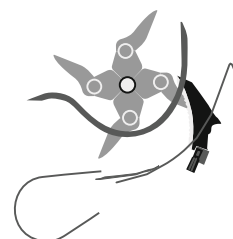
The BOSS 5000 MASTER is available with three different configurations of knives:

- 6-knife chopping system with a theoretical chop length of 171 mm, which is ideal for hay
- 16-knife chopping system with a theoretical chop length of 86 mm, which is ideal for basic ration and material for tower silos
- 31-knife short-chop chopping system with a theoretical chop length of 43 mm, which is perfect for silage

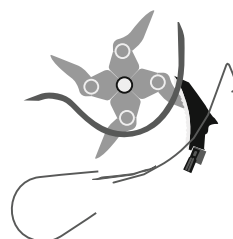
0 knives



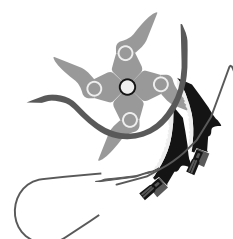
6 knives



16 knives



31 knives



BOSS 5000 MASTER

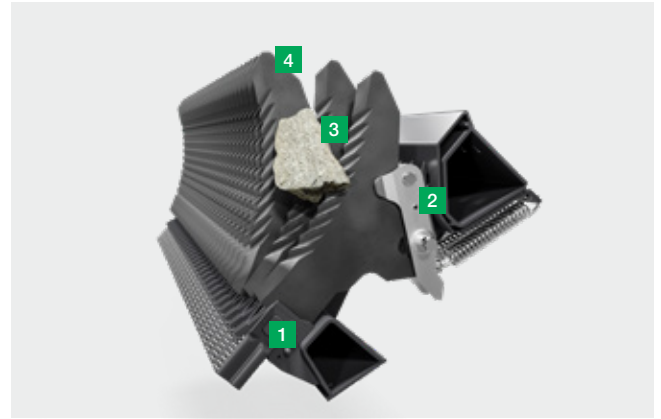


EASY MOVE swing-out knife bank as an option

There is no easier way to change the knives.

The EASY MOVE swing-out knife bank including knife bank pivot system is available as an option on the BOSS 5000 with 16 or 31 knives, providing a convenient way to work on the chopping system.

After the knives have been pivoted out hydraulically, the release lever can be actuated. The Knife bank can then be swung out alongside the loader wagon. Having to get underneath the loader wagon to remove knives is history, because now you can work on the knife bank while standing.



Individual knife protection system

The individual knife protection system with trigger mechanism ensures there is no risk of foreign objects damaging the loader wagon, or harming the livestock.

- 1 Foreign objects trigger the protection system. The knife moves in the direction of crop flow.
- 2 The trigger roller is lifted out of its holder behind the knife.
- 3 The resistance of the knife is suddenly reduced so that the knife can allow the foreign object to pass through.
- 4 The knife is then automatically returned to its original position.

The individual knife protection system pivots the knife away, and then automatically returns it to the working position. This ensures that the chopping quality is always maintained.

Costly downtimes are avoided thanks to the individual knife protection system. The animals are also protected from injuring their digestive tract.

Efficiency and cost effectiveness



Cost effective harvesting process

The loader wagon can carry out the operations of crop collection, chopping, compaction and transport in one machine. That is why the loader wagon is often referred to as a two-person harvest system. This means that different fields can be harvested alternately in relation to the quality of the forage and their distance from the clamp. In the meantime, the compaction machine at the clamp can work uninterrupted to generate the best possible quality forage. Maximum flexibility with different types of crop also ensures the most cost-effective utilisation.

The HARVEST ASSIST app optimises machine deployment to make harvesting as straightforward as possible.

The loader wagon process produces the best quality forage and silage at low harvesting costs. That is why the loader wagon is the best harvesting process.

Working efficiently

Efficient work is needed to make long working days as pleasant as possible. Thanks to the numerous features on the BOSS 5000, an efficient working day is part of the process.

From the automatic loading system to the lowered scraper floor, and variable speed unloading to the optional folding dry forage extension, the ingenious features on board the BOSS 5000 help to minimise the effort needed on harvest days.

BOSS 5000 MASTER



Full power up to 1100 Nm

The BOSS 5000 drive train has been designed for a tractor power of 90 hp to 150 hp.

It is driven by a wide-angle PTO shaft with integrated cam-type clutch to protect the drive train. The 1 1/2" high strength simplex chain with automatic tensioner transmits the power to the loading unit.

Chain greasing

The BOSS 5000 is equipped with automatic chain greasing for the drive chain as standard. This ensures regular application of grease, which can significantly extend the service life.

High or low drawbar

On the BOSS 5000 you can choose between a high and a low drawbar. The high drawbar with a drawbar load of 2 t can be used for any type of tractor and avoids all problems with lower linkages or large swaths.

The low drawbar offers a drawbar load of 2.5 t. It also minimises the upwards movement of the loader wagon for a reliable harvesting process.

Efficiency and cost effectiveness

Loading chamber



All-steel structure

The BOSS 5000 has a loading chamber that is 2.2 metres wide. The frame is a solid all-steel structure including a fixed steel superstructure.

The advantage of the all-steel version is that the forage can be loaded and transported reliably and easily in all areas of application without any losses. It means that the loader wagon can be used for a multitude of tasks to ensure efficient utilisation.

Front panel with forage compression flap

The front panel on the BOSS 5000 is rigid and has a movable forage compression flap. The large surface area of the forage compression flap in connection with the automatic loading system ensures the best compression of the crop and maximum filling of the loading chamber. Two different sensors are installed for this purpose.

- 1** One sensor is located in the outer area of the front panel. The front panel has a movable flap which is pushed outwards as the forage enters the loading chamber. As soon as the set pressure is reached, the automatic loading system is activated. This is particularly helpful when harvesting short, wet and heavy forage, such as in autumn.
- 2** One angle sensor is mounted on the forage compression flap. As the loading chamber fills up, the crop is pressed against the forage compression flap. The angle sensor detects the movement of the flap. You can set the level of compaction in the loading chamber at which the loading system is activated.

These two sensors control the automatic loading system.

BOSS 5000 MASTER



Automatic loading system

The smooth delivery of power during loading is what makes a modern loader wagon with an automatic loading system stand out. The automatic function helps to ensure that the loading chamber is completely filled to achieve the highest possible transport capacities.

What is more, the automatic loading system can be set for harvesting hay to make sure that the loader wagon is filled evenly and fully.



Scraper floor

Lowered scraper floor

The scraper floor is lowered by 150 mm to enable better and easier transfer of the crop from the loader unit to the loading chamber.

Scraper floor

Four high strength chains with offset steel scraper bars ensure fast unloading.

The scraper bars transport the crop over the pressure-impregnated and durable wooden floor, which has particularly good sliding properties.

Scraper floor driveline

The BOSS 5000 has a stepless motor as standard to drive the scraper floor. This is mounted to one side and enables a variable speed of up to 16 m/min.

As an option, the scraper floor can also be driven by a two-speed motor to increase the unloading speed.

- Speed 1 – Normal operation: 0 m/min to 16 m/min
- Optional speed 2 – High speed, especially for the end of the unloading process: up to 20 m/min

Automatic unloading

The automatic unloading system makes things a great deal easier for the driver and protects the machine.

This function is used to control the tailgate, scraper floor and, on DB models, the beater rotors.

Efficiency and cost effectiveness

Tailgate and superstructure



Multifunctional tailgate

The tailgate is opened, closed and locked as standard using hydraulic cylinders. No mechanical interlock is required.

To enable unloading without beater rotors also inside low buildings, the opening of the tailgate can be adjusted.

Fitting optional struts makes the tailgate open to the rear only, instead of upwards, with the dry forage extension lowered. The following tailgate settings are possible on models with an all-steel structure as well as on models with the dry forage extension, allowing flexible unloading in every situation:

- Normal unloading: Full cross-section open – especially for unloading hay.
- The tailgate then only lifts upwards to the rear.
- The tailgate opening is extended upwards by 100 mm.
- The tailgate opening is extended upwards by 200 mm.

Tailgate on DB models

The tailgate on DB models is a true multi-tasker. The tailgate can be set to different degrees of opening so that the loader wagon can unload for flexible applications:

- 1 Normal dosing: tailgate wide open
- 2 Fine distribution: Tailgate only slightly open for precision unloading
- 3 Cross-conveyor mode: Tailgate slightly open with crop deposited on the cross conveyor belt

BOSS 5000 MASTER



Load secured by roof ropes

The BOSS 5000 is equipped with tautly tensioned roof ropes. Together with the rear tarpaulin, they secure the forage in the loading chamber and keep it compact inside the loader wagon.

The roof ropes ensure the load is secure while making maximum use of the space available.

Variable height

The extension bars, which are positioned above the loading chamber from the side, are height-adjustable by around 300 mm. There are three positions to choose from.

This means that the overall height can be adapted and lowered if needed for low clearances and driving into sheds.

Optional roof profiles

Roof profiles mounted above the loading chamber and connected to the frame are available as an option to contain the load within a fixed height. The panels ensure that crops with a low specific density can be compacted to save space.

Roof profiles for the efficient collection of high volume dry crops are available for the following models:

- BOSS 5330
- BOSS 5390 DF
- BOSS 5450 DF



Optional dry forage extension

Instead of the all-steel superstructure, a dry forage extension including forage compression flap and the standard roof ropes can also be selected as an option. This is especially suitable for harvesting dry crops.

The dry forage extension is made of struts that fold up and down hydraulically. The height can be reduced by up to 630 mm so that the wagon can drive into low sheds.

The folding dry forage extension is available for the following models:

- BOSS 5290 DB MASTER
- BOSS 5300 MASTER

Automatic loading system

This wagon has two sensors that control automatic loading with the dry forage extension. A pressure sensor on the front panel measures the compression of the forage, and a sensor that measures the angle of the forage compression flap. The sensors can be used to customise the loading strategy to match your specific requirements.

Convenience and maintenance



Making things easier in everyday working life

A day of harvesting asks a lot from people and their machines, often well into the night. This makes it all the more important to have a system that not only works reliably, but also actively takes some of the pressure off.

This is exactly where the loader wagon comes in, offering a multitude of ingenious solutions that make things easier. Functions such as automatic loading and unloading ensure smooth operation, while the integrated service counter and maintenance-friendly systems such as automatic chain greasing noticeably reduce daily service requirements.

A comprehensive lighting package that provides the best visibility even at night. All these features help to make everyday working life more efficient, more convenient, and safer, even in demanding conditions.

Parallel lift drawbar

The standard hydraulic parallel lift drawbar provides particularly high ground clearance. Because the pick-up can also be raised to get even more clearance, there are no problems driving over the clamp or over swaths in the field.

Drawbar shock absorber

A gas-filled accumulator that acts as a drawbar shock absorber is available as an option on the BOSS 5000 to increase driving comfort. Jolting and shock loads are reduced, ensuring a smooth and steady ride on the road even at high speeds.

BOSS 5000 MASTER



Service counter

Who last greased the machine, and when?

Because there is always loads to do on a farm, it's all too easy to lose track of machinery maintenance. As a result, greasing is carried out too often, or not often enough. This can affect the service life of many components.

The service counter is provided as standard to display maintenance information on the terminal. This makes for more efficient maintenance and means the machine is always ready for action.

Lighting packages

All BOSS 5000 models are equipped with a floodlight in the loading chamber as standard. This illuminates the loading chamber and is particularly useful when the loader wagon is empty after a day's harvesting.

For even better visibility, an additional lighting package is available as an option:

- A second loading chamber floodlight
- Two floodlights directed at each side of the chassis
- Two floodlights for reversing

This lighting package allows flexible operation at any time of day or night. The additional lighting package provides enough light to continue working at night, so you get the best possible utilisation out of your loader wagon.

Reliability



Maximum reliability

Continuously increasing demands in terms of output in ever shorter harvest windows make it more important than ever to have machinery you can rely on.

Safety also plays an important role during the harvesting day, as well as during maintenance. A wider track width, the intelligent self-steering axle and the right choice of chassis can be decisive factors for a safe working day. They also provide protection and support in difficult conditions.

Regardless of whether there are optimum working conditions in the field, or you are working on steep ground, the BOSS 5000 always has safety in mind.

Conserve the soil, boost the yield

Keeping the soil healthy is one of the key factors for ensuring the quality of the forage, which is why the choice of chassis and the right tyres also play an important role.

The right choice of tyres protects the sward, which in turn increases your profit, meaning that the use of high output machines can very well go together with soil conservation.

This contributes to the quality of the forage, the cost effectiveness of the harvesting process, and the sustainability of the farm.

BOSS 5000 MASTER



Reliability

Tyres and axle options



Wider track width

The 100 mm wider track width is available as an option to provide a total track width of 1950 mm. This width is perfect for working on slopes and improves the stability of the loader wagon. This level of enhanced safety makes forage harvesting possible even in challenging terrain.

Soil conservation

In order to protect soil as a natural resource, ensure sustainable soil fertility and maintain soil performance, you need to make sure that loads are uniformly distributed. Using the largest possible dimension of wheels increases the footprint of the tyres so that the soil structure is maintained in the best possible way.

Tyre pressure also contributes to soil conservation and compaction.

Tyre table BOSS 5000 with 6.5 t axle load at 40 kph

Tyre size	Payload per wheel	Tyre pressure	Footprint	Pressure on ground
500/50-17 Flotation + ¹⁾	3250 kg	2.8 bar	1128 cm ²	2.83 kg/cm ²
520/50-R17 Flotation Trac ¹⁾	3250 kg	2.9 bar	1225 cm ²	2.6 kg/cm ²
620/40-R22,5 Flotation Pro ¹⁾	3250 kg	2.2 bar	1377 cm ²	2.31 kg/cm ²
710/35-R22,5 FL 693 M ²⁾	3250 kg	2 bar	–	–

Tyre table BOSS 5000 with 8 t axle load at 40 kph

Tyre size	Payload per wheel	Tyre pressure	Footprint	Pressure on ground
620/40-R22,5 Flotation Pro ¹⁾	4000 kg	2.9 bar	1369 cm ²	2.87 kg/cm ²
710/35-R22,5 FL 693 M ²⁾	4000 kg	2.6 bar	–	–

¹⁾Source: Apollo Vredestein GmbH; ²⁾Source: BKT



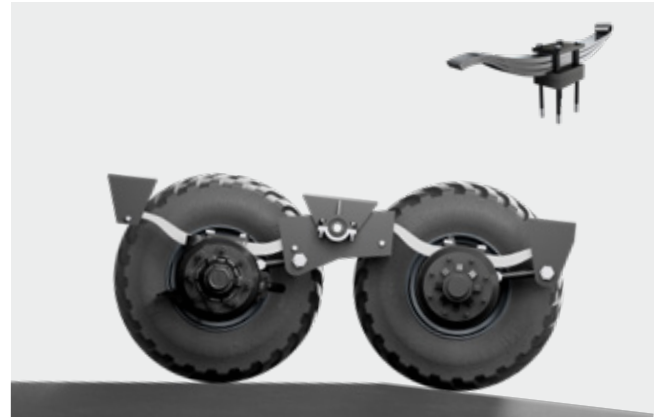
Tandem axle with compensator arm

The compensator arm distributes the axle load between the two axles. Each axle is equipped with parabolic leaf springs, which are fixed at the front and have freedom of movement at the back. The front and rear axle springs are connected by a compensator arm, which acts like a seesaw.

The chassis adjusts automatically when driving over bumps: If the front axle is subjected to a greater load, the spring yields and the rear axle is relieved or pressed downwards. This keeps the wagon stable so it runs smoothly in the field, on the road and in the clamp.

The system distributes the pressure applied to the ground, improves the braking effect on all four wheels, and ensures a particularly smooth ride.

Suitable for 13 t chassis.



Tandem axles with parabolic springs and longitudinal linkage

On parabolic leaf springs with longitudinal linkages, the parabolic leaf springs are not fixed on mountings at the front. Each spring is free to move at the front and the back so that they can optimally absorb feedback from the ground.

A strong longitudinal linkage that is firmly bolted to the axle guides the spring and ensures precise guidance in the chassis. The shortened compensator arm connects the two axles and acts like a rocker.

The rocker effect of the compensator arm distributes the axle load evenly to all 4 wheels regardless of the task. The result is a smooth, stable ride and reliable ground tracking.

Suitable for 16 t chassis.

Axles to match your needs

	Tandem axle with compensator arm 13 t – 17"	Tandem axle with compensator arm 13 t – 22.5"	Tandem axle with longitudinal linkage 16 t – 22.5"
BOSS 5290 DB MASTER	■	□	–
BOSS 5300 MASTER	■	□	–
BOSS 5330 MASTER	■	□	–
BOSS 5390 DF MASTER	■	□	–
BOSS 5450 DF MASTER	■	□	□

■ = standard, □ = optional, – = not available

Tine conveyor loader wagon



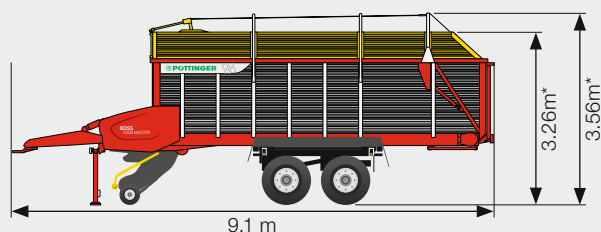


Tine conveyor loader wagon

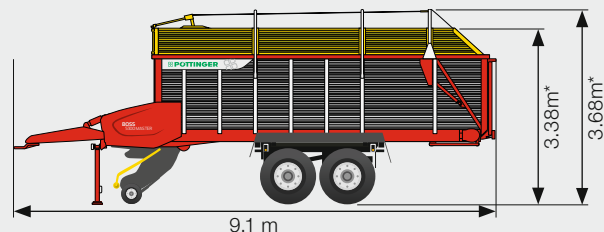
BOSS 5000 MASTER

1

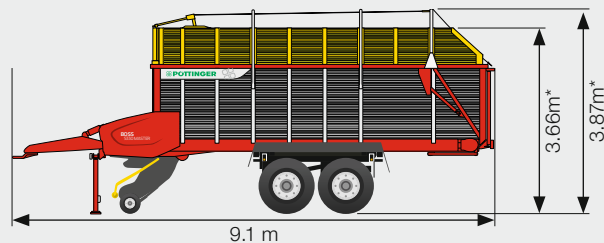
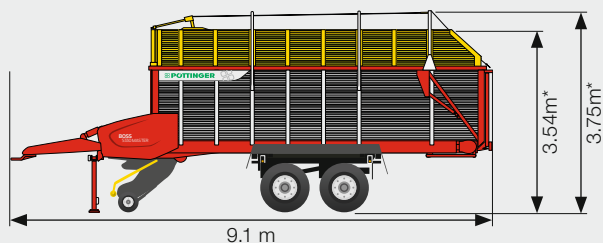
BOSS 5300 MASTER



2



BOSS 5330 MASTER



Tine conveyor loader wagon – BOSS 5000 MASTER

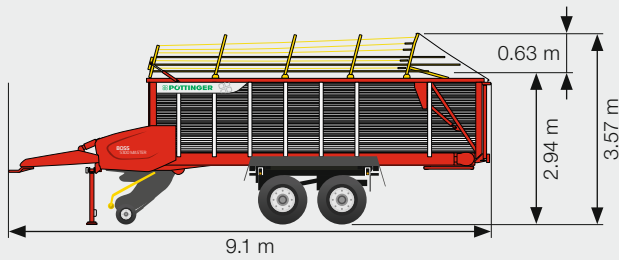
The BOSS 5000 MASTER tine conveyor loader wagon is available as a straightforward loader in two different sizes with two different superstructures:

- BOSS 5300 MASTER with 30 m³
- BOSS 5330 MASTER with 33 m³

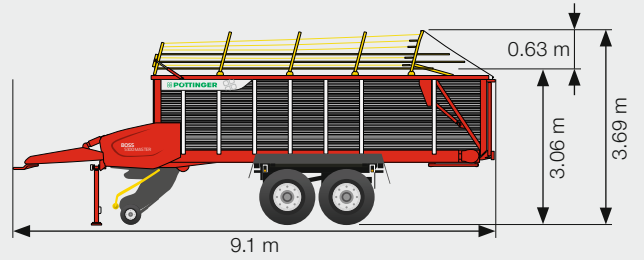
- 1 BOSS with top panels and 17" tyres
- 2 BOSS with top panels and 22.5" tyres
- 3 BOSS with dry forage extension and 17" tyres
- 4 BOSS with dry forage extension and 22.5" tyres

BOSS 5000 MASTER

3



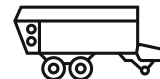
4



* Height varies depending on the tyres and the position of the extension bars

Tine conveyor loader wagon



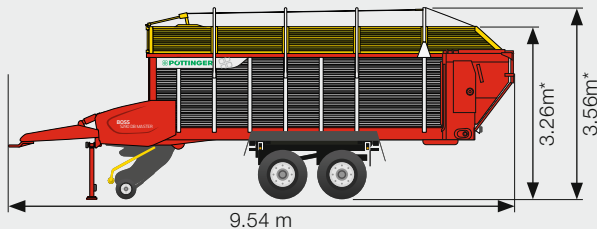


Tine conveyor loader wagon

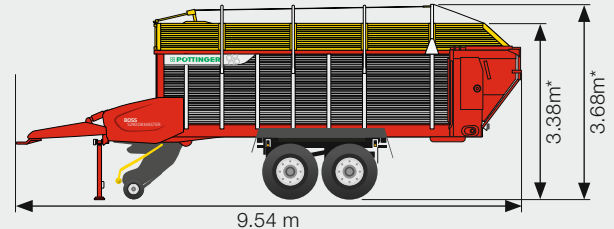
BOSS 5000 DB MASTER

1

BOSS 5290 DB MASTER



2



Tine conveyor loader wagon with beater rotors

The BOSS 5000 DB MASTER tine conveyor loader wagon is fitted with additional beater rotors and is available in one size with two different superstructures:

- BOSS 5290 DB MASTER with 29 m³

Beater rotors

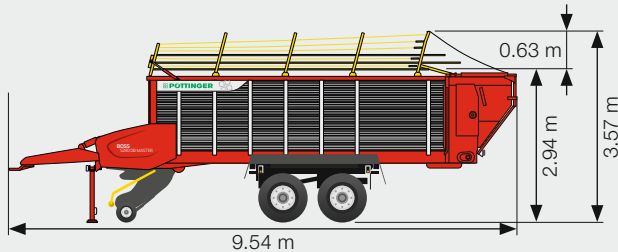
The BOSS with the DB designation (Discharge Beaters) is equipped with two beater rotors as standard. DB models are recommended for unloading a uniform blanket of crop in the clamp. The geometry and position of the rotor tines prevent the forage from exiting the wagon in clumps. At the same time, they distribute the stalks evenly as the forage is ejected from the loading chamber. The two beater rotors installed as standard provide perfect distribution. This makes it easy to drive through the clamp and distribute the material evenly.

A third beater rotor can be added as an option. Unloading with three beater rotors is particularly advantageous when using the cross conveyor belt. This ensures greater unloading accuracy without losses.

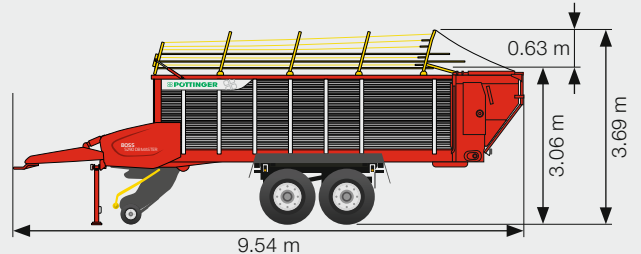
- 1 BOSS DB with top panels and 17" tyres
- 2 BOSS DB with top panels and 22.5" tyres
- 3 BOSS DB with dry forage extension and 17" tyres
- 4 BOSS DB with dry forage extension and 22.5" tyres

BOSS 5000 MASTER

3



4



Beater rotor drive system

The driveline of the beater rotors is protected by a 1200 Nm cam-type clutch and ensures efficient unloading.

In the event of an overload, the scraper floor speed switches back one step or the sensor on the beater rotor bearings switches the scraper floor off.

Multifunction tailgate

The tailgate can be set to different degrees of opening so that the loader wagon can unload for flexible applications:

- Normal discharge
- Fine distribution
- Cross conveyor belt mode

Cross conveyor belt

The cross conveyor belt is particularly suitable for unloading basic ration directly at the feed barrier as well as loose hay and straw which is to be transferred to the storage location using a blower. This is also available on the BOSS DB model to make unloading even easier. The cross conveyor belt is operated by a hydraulic driveline and the direction of the belt can be switched.

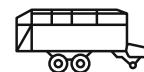
Thanks to the cross conveyor belt driveline, the multifunction tailgate and the optimised superstructure, the forage can be unloaded and deposited in either direction.

When you need to unload in the clamp, the conveyor belt simply folds out of the way.

* Height varies depending on the tyres and the position of the extension bars

Tine conveyor loader wagon



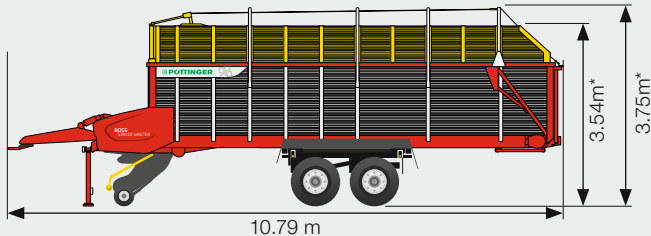


Tine conveyor loader wagon

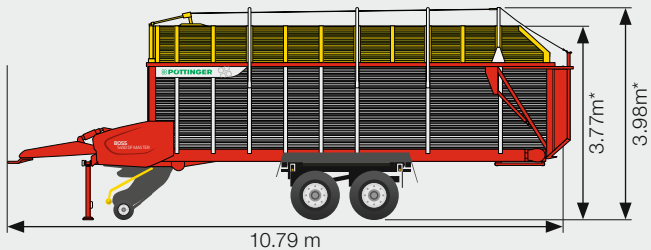
BOSS 5000 DF MASTER

1

BOSS 5390 DF MASTER



BOSS 5450 DF MASTER



Tine conveyor loader wagon for dry forage

The BOSS 5000 DF MASTER tine conveyor loader wagon has an even larger loading chamber to be able to transport as high a volume of dry material as possible.

This version is available in two different sizes:

- BOSS 5390 DF MASTER with 39 m³
- BOSS 5450 DF MASTER with 45 m³

Dry forage

The BOSS DF (Dry Forage) is a loader wagon that has been especially developed for harvesting and transporting dry crops such as hay, straw and alfalfa. The design offers maximum loading chamber volume with a payload capacity to match these requirements.

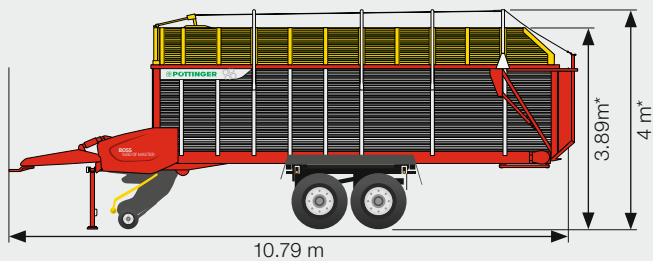
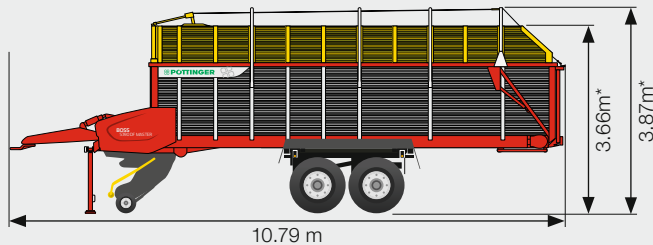
Collecting heavily wilted plants and crops with a low specific density places special demands on harvesting technology, which is what makes the capabilities of the BOSS DF stand out.

The high-volume dry forage loader wagon is available with loading chamber volumes of 39 m³ and 45 m³. As on the other models, DF loader wagons have taut roof ropes and height-adjustable struts on the loading chamber roof as standard.

This results in maximum load volume and increased cost effectiveness on long transport routes.

- 1 BOSS DF with top panels and 17" tyres
- 2 BOSS DF with top panels and 22.5" tyres

2



Wide pick-up

A wide pick-up with an effective width of 2.1 m is fitted as standard on the BOSS DF models. This makes it easy to collect large swaths.

Dry forage chopping system

These models have a 6-knife chopping system with a knife spacing of 171 mm as standard, which is designed for harvesting dry forage.

Optional roof profiles

Roof profiles are available as an option on the DF models, making them ideal for harvesting dry crops. These ensure that crops with a low specific density can be compacted to save space.

Intelligent self-steering axle as an option

An intelligent self-steering axle can be selected as an option on the BOSS 5450 DF. The axle steering locks automatically when reversing the machine and when working on steep ground. Thanks to the integrated slope inclination sensors, you can define the angle at which the steering lock engages automatically.

This convenient feature enhances safety for a stress-free working day during harvesting.

For an added level of safety on steep slopes.

* Height varies depending on the tyres and the position of the extension bars

Digital agricultural machinery

Operation



Easy operation with the Profiline comfort control system

The BOSS is equipped with the ISOBUS-compatible Profiline comfort control system as standard. This requires a power beyond system or, as an option, load sensing. Each function can then be carried out immediately by pressing a button or the touch screen. The Profiline comfort control system gives you maximum operating convenience with direct control.

Possible control systems:

- Tractor terminal via ISOBUS cable
- POWER CONTROL
- EXPERT 75



POWER CONTROL

Optional on BOSS 5000 models.

The entry-level POWER CONTROL terminal can be used to operate a wide selection of ISOBUS-capable machines made by PÖTTINGER. The most important feature is the keys that are printed with the relevant machine functions to ensure intuitive operation for both experienced and newbie drivers.

More functions can be controlled and user inputs made using the 5" colour touch display. Optimised for day and night operation, the display also provides clear information on the operating status of the machine.

EXPERT 75

Optional on BOSS 5000 models.

The compact 5.6" EXPERT 75 ISOBUS terminal can be operated by directly using the colour touchscreen, the keys or a scroll wheel. Safe one-hand operation is supported by the grip bar.

The ambient light sensor and the illumination of the function keys ensure convenient handling even at night.

Thanks to customisable button assignment, the EXPERT 75 can be used universally with other machines.

Digital agricultural machinery

Data management using agrirouter



Manufacturer-independent, wireless data exchange

The agrirouter was developed by DKE-Data GmbH & Co. KG, working together closely with leading agricultural machinery manufacturers like PÖTTINGER. The objective was to create a platform for exchanging data between machines and farm management software. agrirouter is the result. agrirouter is a web-based, manufacturer-independent data platform that enables the exchange of data between machines, farm software and digital apps provided by different manufacturers.



The advantages of the agrirouter

Using the agrirouter offers many advantages for farm businesses. These include manufacturer-independent data exchange, greater efficiency in farm management, process optimisation, and easy-to-use digital documentation.

Data security and transparency

agrirouter displays data to support decision making. Farmers and contractors can choose which data is forwarded to each application.

We are ready for agrirouter

PÖTTINGER provides the capability of transmitting ISOBUS-compliant machine data to the agrirouter.

In addition to seed drills such as VITASEM, AEROSEM and TERRASEM, the machines covered also include rotor loader wagons, round balers, rakes and mowers. Compatible machines are always recognisable by the “ready for agrirouter” sticker.

PÖTTINGER customers can use the agrirouter to send job data from field indexing software or application maps, directly to their CCI 1200 terminal or to PÖTTINGER CONNECT, and save and display data relating to silage bales, for example, on their farm management system.



This QR code takes you directly to the applications.

Digital agricultural machinery

Software



HARVEST ASSIST – optimising forage harvesting

Achieve higher harvesting performance by using the free HARVEST ASSIST app. The app optimises the sequences between the mowers, tedders, rakes, mergers, loader wagons, round balers, and other individually configurable machines. This avoids delivery peaks at the clamp. The result is a mass flow-dependent field processing sequence for dynamic harvesting. The compaction vehicle at the clamp can then neatly distribute and compact each load of crop delivered one by one to produce the best forage.



Clear and intuitive

The status of each field is colour coded to indicate whether it is currently being processed, ready for the next process or whether harvesting has already been completed. This way, everyone in the team can see what is happening in which field right now.

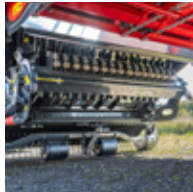
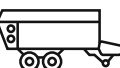
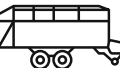
For intuitive operation

The app can be opened on your smartphone, so no additional hardware is required. You will quickly find your way around, because the app is designed so intuitively. For easy documentation, the each load is counted based on GPS data to determine the yield.



This QR code takes you directly to the application.

Equipment options

					
		EASY MOVE including hydraulic pivoting	6-knife chopping system	16-knife chopping system	31-knife chopping system
BOSS 5300 MASTER		☐	☒	☐	☐
BOSS 5330 MASTER		☐	☒	☐	☐
					
BOSS 5290 DB MASTER		☐	☐	☒	☐
					
BOSS 5390 DF MASTER		–	☒	–	–
BOSS 5450 DF MASTER		–	☒	–	–

More equipment options

- | | |
|---|--|
| <ul style="list-style-type: none"> + Two-speed motor for scraper floor + Low drawbar + Chassis with 22.5" tyres + Tyres for 6.5 t axle load: <ul style="list-style-type: none"> 500/50-17 520/50-R17 620/40-R22,5 710/35-R22,5 + Tyres for 8 t axle load: <ul style="list-style-type: none"> 620/40-R22.5 710/35-R22.5 | <ul style="list-style-type: none"> + Self-steering axle + Crop deflector board + Lighting package + POWER CONTROL control terminal + EXPERT 75 control terminal |
|---|--|

BOSS 5000 MASTER



**Folding
Dry forage
extension**

□

–



**Tailgate locking
system**

□

□



3rd beater rotor

–

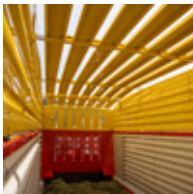
–



**Cross conveyor
belt**

–

–



Roof profiles

–

□



**Intelligent
self-steering
axle**

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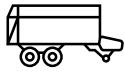
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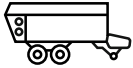
Configure your own machine

■ = standard, □ = optional, – = not available

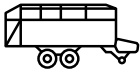
Technical data



	DIN volume	Pick-up width	Possible No. of knives	Minimum knife spacing
BOSS				
BOSS 5300 MASTER	30 m ³	1.8 m	6 16 31 pcs.	43 mm
BOSS 5330 MASTER	33 m ³	1.8 m	6 16 31 pcs.	43 mm



BOSS DB				
BOSS 5290 DB MASTER	29 m ³	1.8 m	6 16 31 pcs.	43 mm



BOSS DF				
BOSS 5390 DF MASTER	39 m ³	2.1 m	6 pcs	171 mm
BOSS 5450 DF MASTER	45 m ³	2.1 m	6 pcs	171 mm

DB = Discharge Beaters, DF = Dry Forage

BOSS 5000 MASTER

Overall length overall width	Overall height when folded 17" 22.5"	Overall height 17" tyres *	Overall height 22.5" tyres *	Weight with standard equipment	Permissible total weight
9.1 m 2.5 m	2.94 m 3.06 m	3.26 m – 3.56 m	3.38 m – 3.68 m	5300 kg	15 t
9.1 m 2.5 m	–	3.54 m – 3.75 m	3.66 m – 3.87 m	5500 kg	15 t
9.54 m 2.53 m	2.94 m 3.06 m	3.26 m – 3.56 m	3.38 m – 3.68 m	5700 kg	15 t
10.51 m 2.5 m	–	3.54 m – 3.75 m	3.66 m – 3.87 m	6200 kg	15 t
10.79 m 2.51 m	–	3.77 m – 3.98 m	3.89 m – 4 m	6650 kg	15 t

* Height varies depending on the tyres and the position of the extension bars



MyPÖTTINGER

This QR code takes you directly to the website.



Benefit from numerous advantages

MyPÖTTINGER is our customer portal that provides you with key information about your PÖTTINGER machines.



My machines

Add your PÖTTINGER machinery to “My machines” and assign a name. You will receive valuable information such as: useful tips on your machine, operating instructions, spare parts lists, maintenance information, as well as all the technical details and documentation.

Info on the product range

MyPÖTTINGER provides you with machine-specific information for all machines from year of build 1997 onwards.

Scan the QR code on the machine's data plate with a smartphone or tablet or go to www.mypoettinger.com and enter the machine number from the comfort of your own home. You will immediately receive all the information on your machine such as the instruction manual, equipment options, brochures, photos and videos.

If you want it to last,
you want the
original.



This QR code takes you directly
to the website.

 **PÖTTINGER**
Original Parts

ORIGINAL PARTS



Regardless of whether you've got a new machine or a classic, our spare parts logistics centre stocks over 55,000 parts to give our machines an extended service life. Thanks to the many local warehouses in 13 countries and a large network of dealerships, original parts are available in over 60 countries.



Finding the right parts is easy

Our digital services are available free of charge and have largely replaced paper-based spare parts lists:

- www.mypoettinger.com provides free access to machine documentation on your smartphone and tablet.
- [agoparts](#) offers an intuitive search function to pinpoint the correct parts. This eliminates the risk of placing the wrong order.



No worries with the original

Too short, wrong hole pattern, wears out quickly? You don't get these problems with an original part. And there are many more advantages:

- Immediate and long-term spare parts availability
- Maximum service life
- Perfect fit
- Attractive and competitive prices



More success with PÖTTINGER

- Your reliable partner, as a family-owned company since 1871
- Specialist for arable and grassland
- Future-safe innovation for outstanding working results
- Roots in Austria – at home throughout the world

Peak feed quality

- Floating pick-up with sweeping tines for the clean and tidy collection of every crop
- EVOMATIC loading system delivers high-performance harvesting while conserving the forage
- 6, 16 or 31-knife chopping system for evenly sized batches of forage to meet every requirement
- Choice of equipment options makes the BOSS an all-rounder in grassland harvesting

Ask for more information:

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