

Tine conveyor loader wagon
BOSS 3000

 **PÖTTINGER**

The new benchmark



The new benchmark



The BOSS 3000 series sets the new standard in loader wagons for farms in hilly regions such as the foothills of the Alps. With a 170 mm freedom of movement on the pick-up, clean and tidy collection on bumpy terrain is ensured. These loader wagons ensure optimum forage conservation and offer a choice of two different loading systems: The SUPERMATIC loading unit on BOSS models features tine conveyors that handle the forage particularly smoothly and gently and has a low power requirement. The EVOMATIC loading unit on the BOSS MASTER has fixed, low-maintenance conveyor elements and is extremely powerful. BOSS 3000 series loader wagons deliver higher throughput capacities, maximum versatility, and minimum maintenance requirements.

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Forage quality



For your livestock

As a farmer, you know: High yield livestock need a high quality basic ration.

Ruminants are fussy about their forage. The quality of the basic ration they are given, in other words its energy content, digestibility, odour and taste, determines whether your animals consume large amounts of it.

What they like most is basic ration that is clean and tasty. The amount of concentrates used can be reduced. This cuts forage costs while at the same time improving animal health.

Healthy livestock are more fertile, enjoy a longer active life and – crucially – yield more milk and meat.

The bottom line is that you benefit from clean, high quality forage with more profit for your farm business.

Neat work

Intake losses need to be kept as low as possible, while at the same time avoiding ingress of dirt that forms clostridia and coliform bacteria in the forage.

That is why harvesting machines need to work as close to the ground as possible without scraping. If the field is not level, special attention must be paid to ground tracking of the machinery.

Leave nothing behind

The job is done, but is there still money left lying in the field?

Reducing the machinery speed reduces the risk of disintegration losses. The crop is handled more gently during mowing, conditioning, tedding, raking, loading or baling, and disintegration of the plant material is avoided. This means that less crop is left lying in the field.

The result is more energy, more crude protein and less crude ash in the basic ration.



At top speed

When harvesting at the time of ear/ panicle emergence, the crop has a dry matter content of around 20%. Every minute the cut grass emits its sugar – its energy.

For silage harvesting, there should be no more than 24 hours between mowing and collecting the crop from the field. Whether this is possible depends on the weather. The target value of the dry matter content (TM) is between 30 and 40%.

During hay harvesting, the crop needs to be protected from the next rain.

Particular care must be taken to generate as little transport and loading time as possible while retrieving the crop. This can be done by enabling higher loading speeds in the field and faster driving speeds on the road. A higher transport volume reduces the number of trips to the clamp and therefore the total harvesting time.

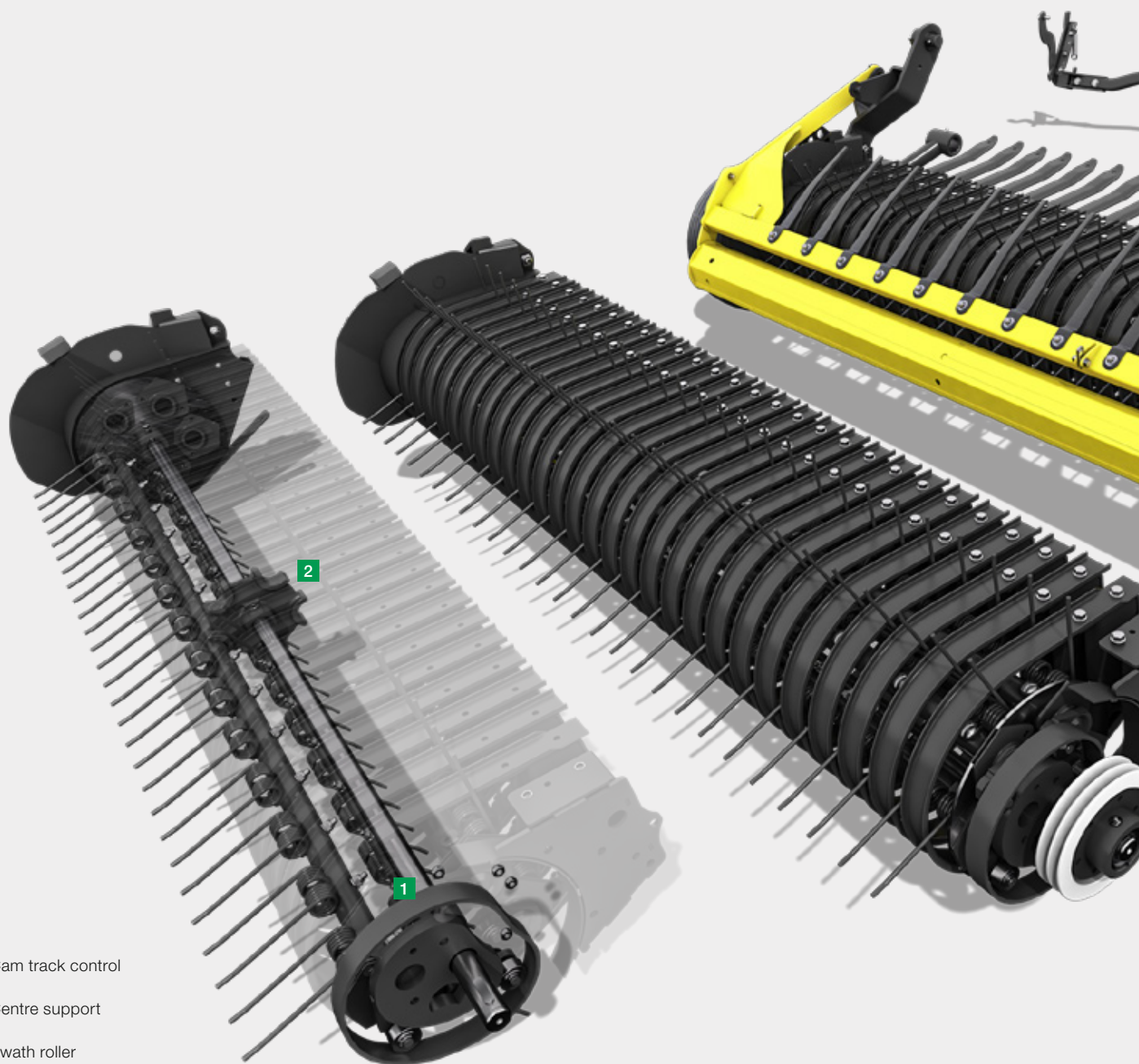
Don't feed your animals crude ash!

“There are many reasons why high crude ash content prevents cost effective milk production. Best basic ration is required if cows are to remain healthy, fertile and produce a lot of milk. The basic ration should contain as little earth and sand as possible. These contaminants, shown as crude ash in feed composition analysis, cause undesirable side effects.

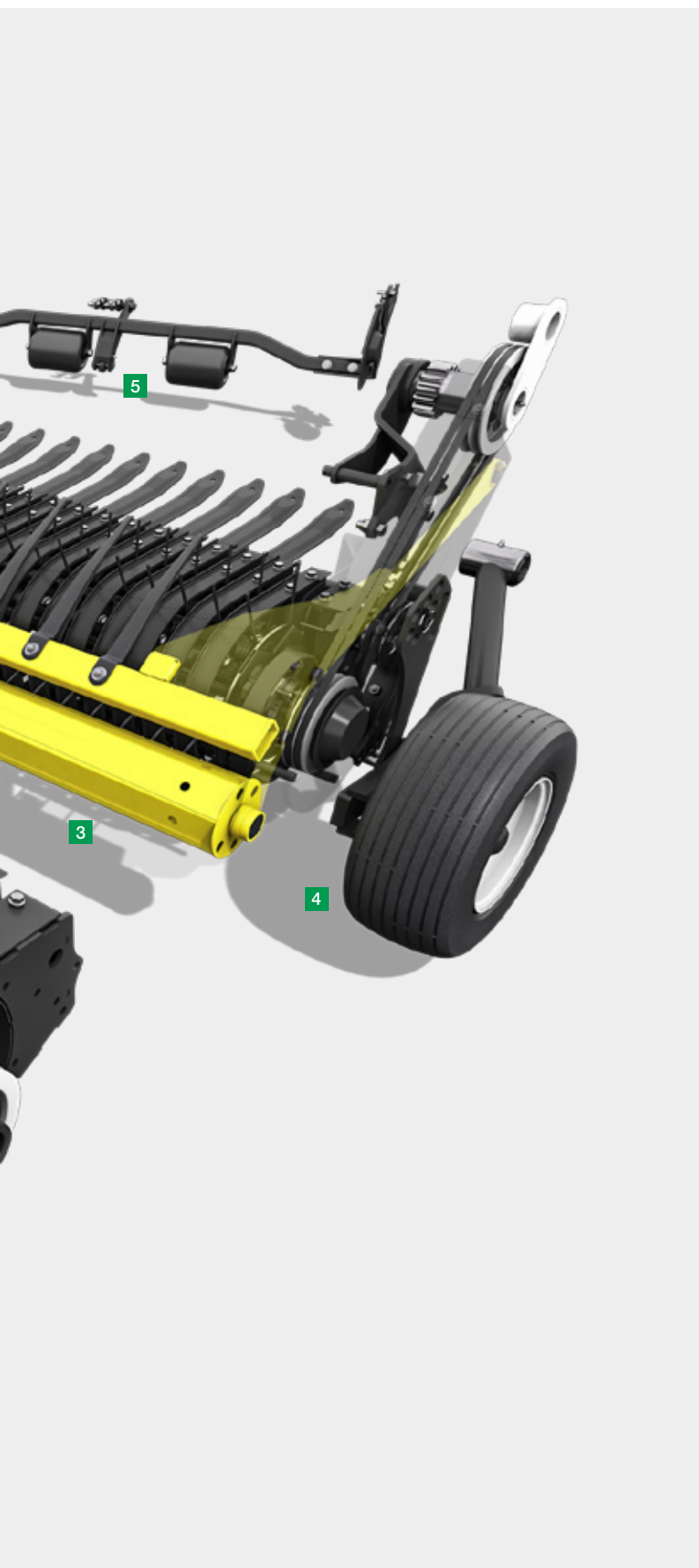
The function of the reticulum-rumen system is reduced. There is a risk of fermentation bacteria, such as colostridia, which alter the ensiling process, being introduced. The yield ability, health and fertility of dairy cows suffers as a result.”

Dr. Michael Neumayer
Veterinarian
Neukirchen am Großvenediger | Austria

Forage quality



- 1 Cam track control
- 2 Centre support
- 3 Swath roller
- 4 Adaptable jockey wheels
- 5 Trailing jockey wheel chassis



Easily handles all operating conditions

Controlled floating pick-up

The V-belt-driven controlled floating pick-up has an effective width of 1,800 mm according to DIN. It ensures clean and reliable crop pick-up in all operating conditions and when cornering.

V-belt drive

Low maintenance and durable

Cam track control

For perfect crop take-up and transfer

Crop swath roller

Optimum crop flow even at high driving speeds

Jockey wheels

Mounted rigidly or trailing for accurate height guidance

Jockey wheel chassis

Optional for the highest forage quality even in the most challenging terrain

Forage quality



Controlled pick-up

On the BOSS 3000 pick-up, the 5 tine carriers are controlled by a steel cam track.

This design has the following advantages:

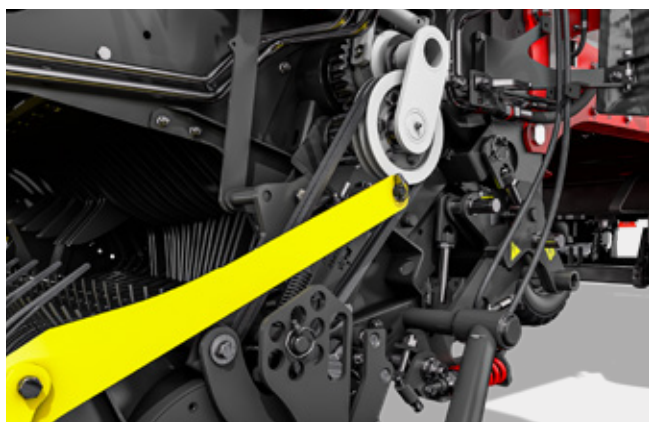
- Slightly trailing tine angle for better contour tracking without scraping the ground
- Active forage transfer to the loading unit by using the full length of the tine
- Tine dips down at a right angle to prevent the forage from being drawn in
- Less combing of the forage due to lower speed for better chopping quality (fewer lengthwise stalks)
- Low speed causes less ejection – reliable crop collection driving downhill
- Maximum conveying performance at high driving speeds
- Reliable intake, even in difficult harvesting conditions

Able to adapt

The suspension of the pick-up 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. With a pick-up width of 1,800 mm, even high volume swaths are collected cleanly and tidily and cornering is made easier.

Crop take-up can be further optimised thanks to the automatic control of the parallel lift drawbar, which constantly keeps the pick-up's floating action within the optimum range.

In addition, a trailing jockey wheel chassis is also available to prevent the pick-up from touching down in the centre.



Pick-up drive system

The pick-up is driven by two V-belts. These can adapt perfectly to the movements of the pick-up. At the same time, they serve as overload protection. Maintenance and wear are minimised.

The pick-up disengages and switches off automatically when it is lifted at the headland or in the clamp. This makes it easy to drive over swaths and over the clamp.



Swath roller

The swath roller with crop transfer rods deliver optimum crop flow even at high travelling speeds. This is standard on the BOSS 3000 and can be adjusted to match different sizes of swath.

The angle of the roller and the crop transfer rods can be adjusted.



Jockey wheels

Rigid jockey wheels are fitted as standard. These are recommended for working on slopes and for fields with few curves.

Steered jockey wheels are available as an option for optimum conservation of the sward, even when cornering.

The height of both jockey wheel versions can be easily adjusted 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.



Jockey wheel chassis

An optional jockey wheel chassis behind the pick-up ensures reliable guidance on bumpy terrain and prevents the side jockey wheels from sinking into wheel marks.

This stops the tines from scraping the ground even in the toughest conditions and minimises dirt ingress.

The synthetic rollers are rounded on the sides to prevent dirt from sticking and protect the sward when cornering.

Efficiency



Efficiency

On the BOSS 3000 series you have a choice of two loading units to adapt to your requirements.

The SUPERMATIC loading unit on BOSS models features tine conveyors that handle the forage particularly smoothly and gently. The power requirement is low.

The EVOMATIC loading unit on BOSS MASTER models is equipped with firmly bolted conveying elements that are extremely powerful and allow the crop to be loaded in a shorter time. It also requires very little maintenance, which keeps operating costs low.

Both BOSS 3000 series loading units are durable, which increases cost effectiveness over many years.

Efficient overall concept

Depending on the loading performance required, and existing tractor power, the BOSS 3000 can be configured to handle any situation.

The SUPERMATIC loading unit on the BOSS can be equipped with 3 or 4 conveyor tine bars. The EVOMATIC loading unit on the BOSS MASTER is always equipped with 4 conveyor tine bars.

As an option, there is a choice of three chopping systems with up to 31 knives to provide a smooth, clean cut.

Equipment options such as an automatic loading system are available to make optimum use of the loading chamber. This ensures that the chamber is filled quickly and fully utilised in record time.

Retention nets mounted on the sides are available as an option to prevent crop loss in the field and on the road.

In order to keep transport times low, especially when harvesting dry material, a model with a volume of 27 m³ is available.



Efficient handling

In the field, the 1,800 mm wide pick-up collects the crop reliably even when cornering, which makes the job easier and faster.

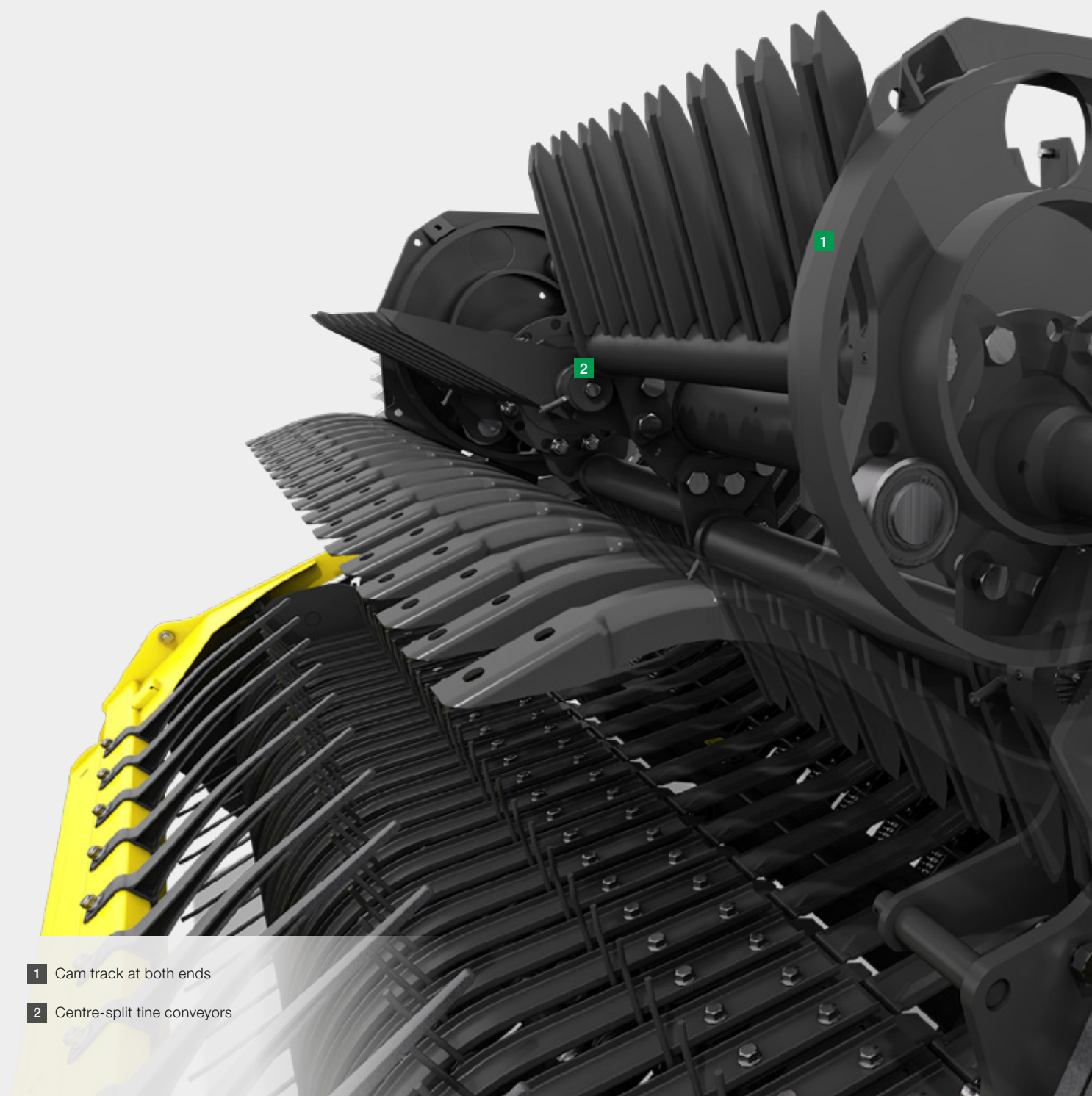
The AUTOTAST parallel lift drawbar operates at speeds of up to 8 kph and assists the pick-up in tracking the ground.

At the touch of a button, the BOSS 3000 can change its position between field work and road transport.

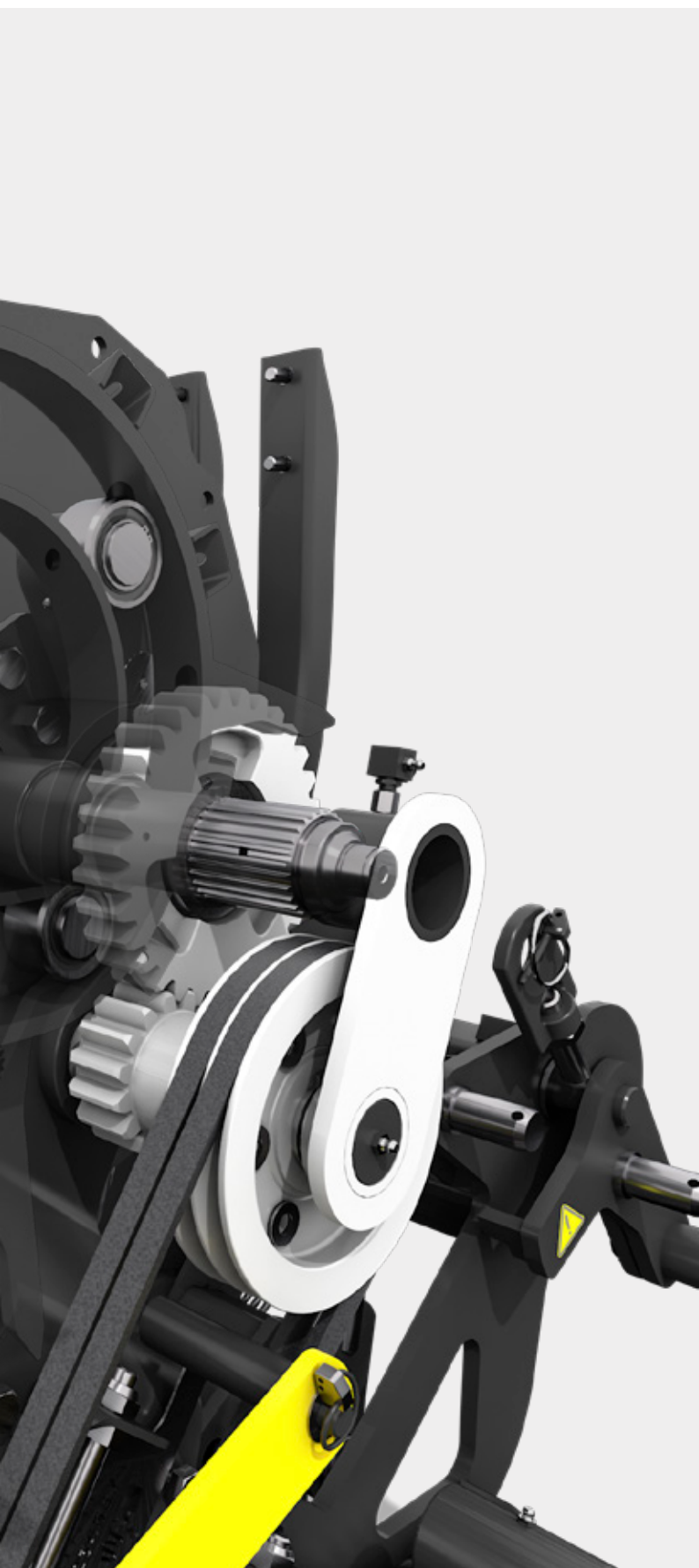
On the road, you can drive at up to 40 kph between the farm and the fields.

Thanks to the hydraulically folding dry forage extension, the BOSS can also access low clearance buildings to reach the feed barriers, or for storage over winter.

Efficiency



- 1 Cam track at both ends
- 2 Centre-split tine conveyors



SUPERMATIC loading system

The classic SUPERMATIC loading unit on the BOSS 3000 achieves a high level of forage conservation and has particularly low power requirements.

The BOSS can be equipped with 6, 16 or 31 knives. Because the forage is guided across each knife by a double tine, high chopping quality is ensured.

The smooth running original – 12 phase

3 split tine conveyor bars and 2 rows of knives result in a 6-phase loading sequence and 2-phase chopping sequence. Each batch of forage is gathered separately and then chopped in sequence as it is conveyed into the loading chamber.

The 3 centre-split tine conveyor bars are mounted on bearings and guided from the outside by heavy duty cam tracks.

Optimised for smooth running and the highest level of forage conservation, loading peaks are minimised.

The upgrade – 16 phase

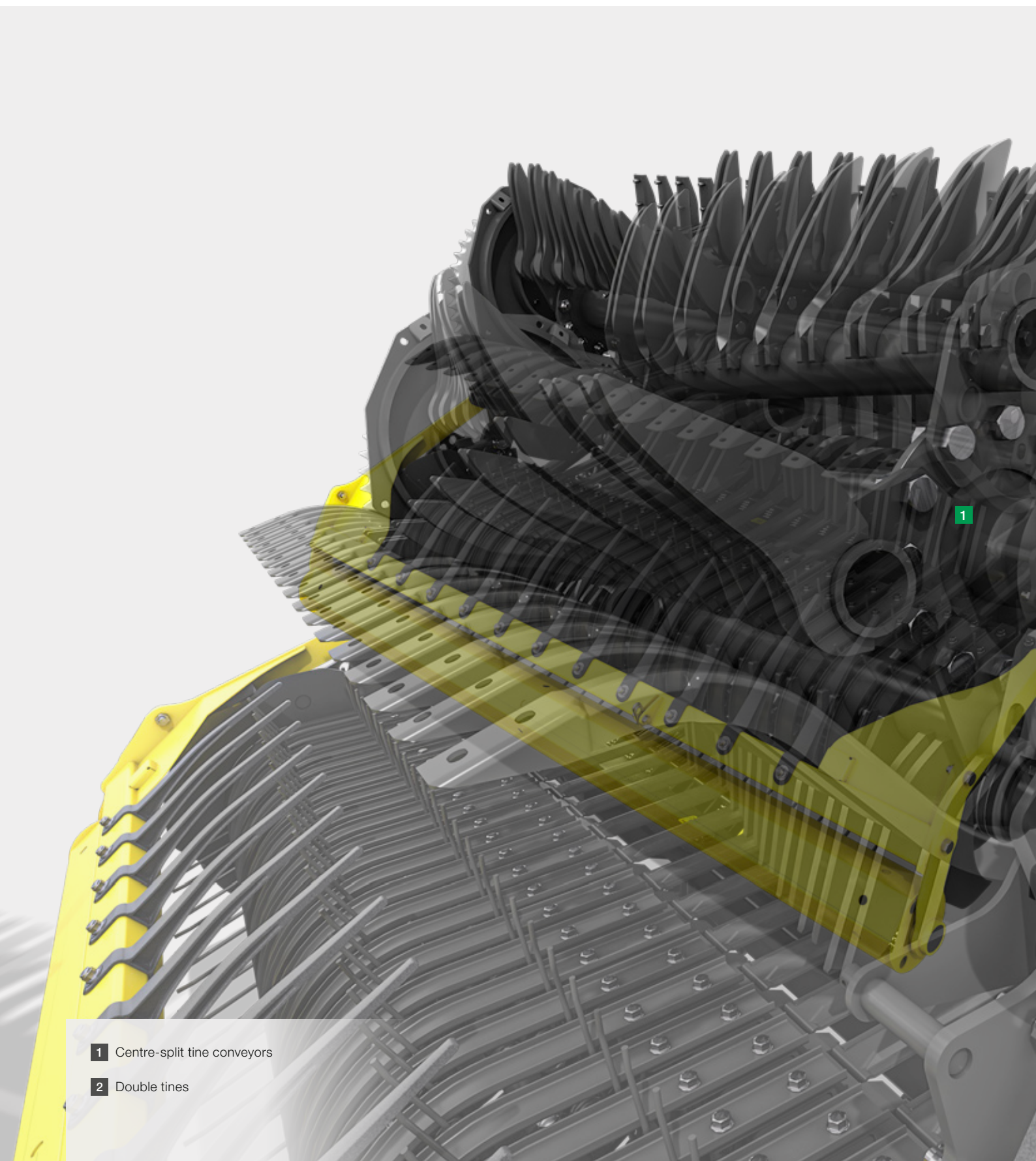
4 split tine conveyor bars and 2 rows of knives result in a 8-phase loading sequence and 2-phase chopping sequence. Each batch of forage is gathered separately and then chopped in sequence as it is conveyed into the loading chamber.

For heavy silage applications with 31 knives, we recommend the SUPERMATIC loading system with 4 tine conveyor bars. This ensures a higher throughput thanks to a faster loading sequence. To keep maintenance simple, the greasing points are grouped together on the system with 4 tine conveyor bars.

- Tractor power: up to 110 hp
- PTO speed: 540 rpm; optional: 1,000 rpm

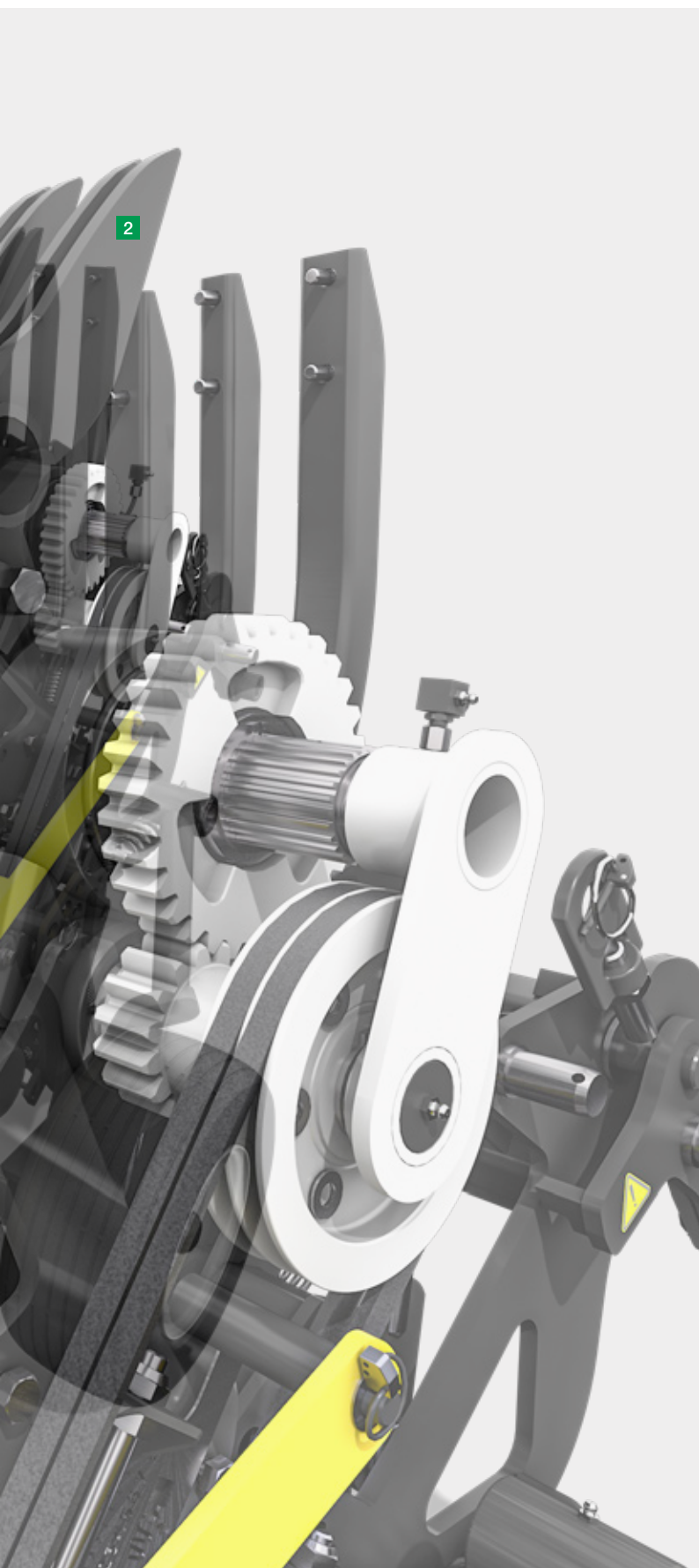


Efficiency



1 Centre-split tine conveyors

2 Double tines



EVOMATIC loading unit

The innovative EVOMATIC loading unit on the BOSS 3000 MASTER delivers approximately 25% higher loading performance and is impressively smooth running while still ensuring maximum forage conservation.

The powerful innovation – the smooth phase

4 split conveying elements continuously convey the forage through the 2 rows of 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. The 4 conveying elements are bolted to a shaft, split in the centre and offset. Wear and maintenance requirements are greatly reduced.

The BOSS MASTER can be equipped with 6, 16 or 31 knives. Because the forage is guided across each knife by a double tine, high chopping quality is ensured. 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.

- Tractor power: up to 130 hp
- PTO speed: 1,000 rpm



Efficiency

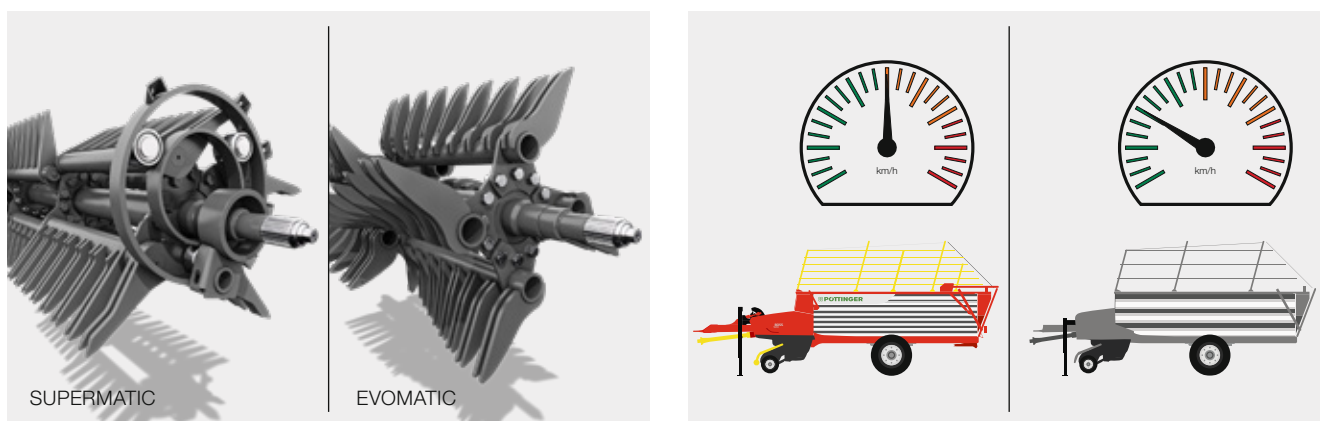


EVOMATIC – the next step in tine conveyor evolution

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

The forage conservation of a tine conveyor system combined with the simultaneous chopping and loading performance of a rotor – this is what EVOMATIC delivers, as 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.

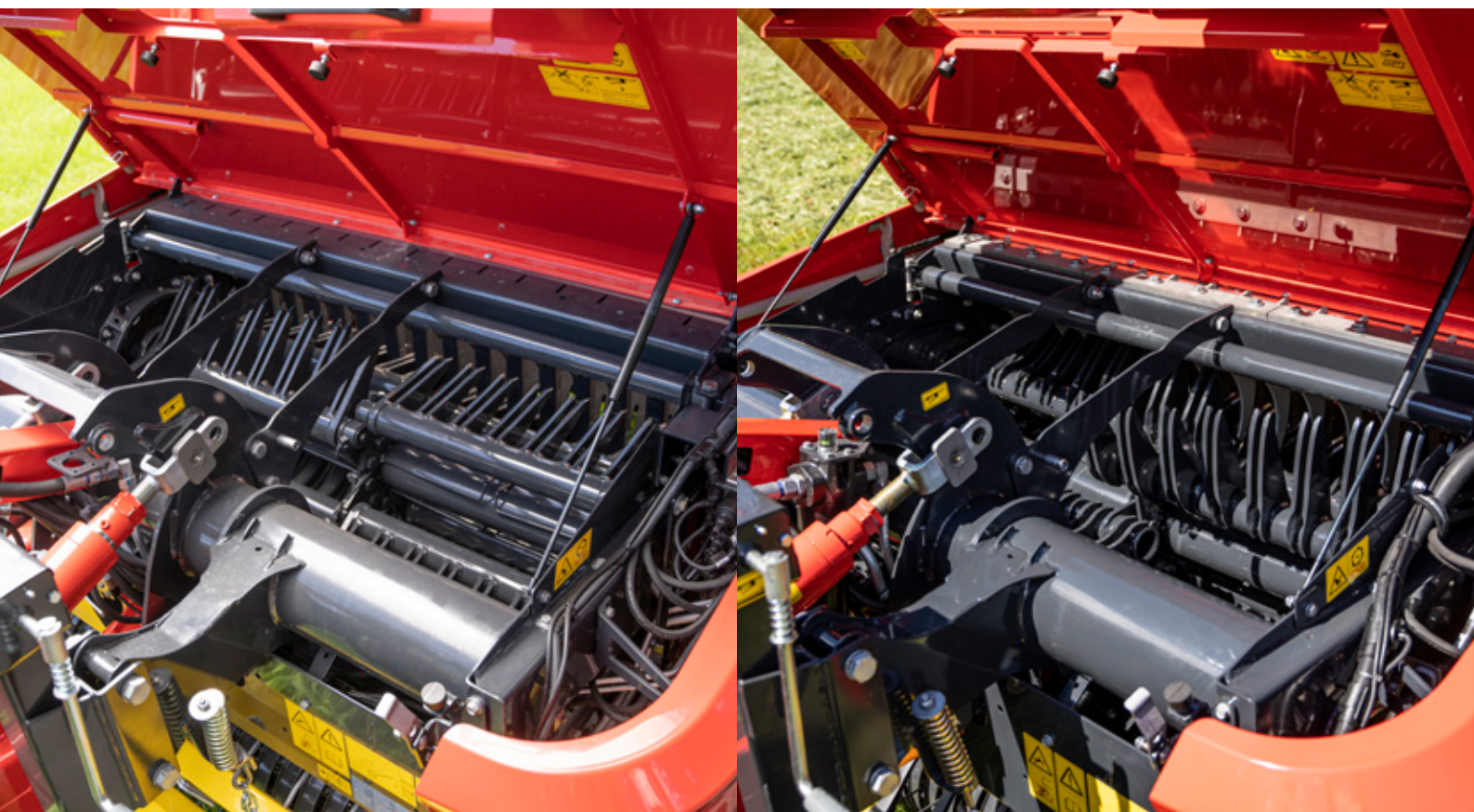
During the tests, the BOSS 3240 MASTER was able to achieve almost double the throughput rates of comparable loader wagons.

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 perennial 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 field drying 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.

Efficiency



Tractor PTO speed

BOSS 3000

The SUPERMATIC unit is driven at 540 rpm as standard. 1,000 rpm PTO speed is also available, especially for loading zero grazing rations with a front mower. The maximum power transmission is limited to 110 hp.

BOSS 3000 MASTER

The drive train on the BOSS 3000 MASTER is designed for up to 130 hp. The PTO speed with the EVOMATIC loading unit is 1,000 rpm as standard.



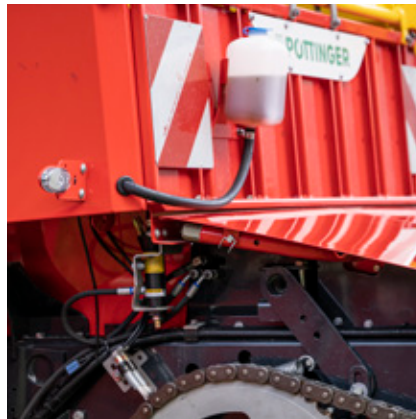
PTO shaft

The PTO shaft has a wide angle joint at one end and a cam-type clutch which protects the drive train from overload. The PTO shaft guard is clamped onto the input gearbox on the loader wagon. Due to the profiles on the protective tube, no chain is required at the tractor end to prevent it rotating.



Chain drive

The loading unit is driven by a strong 1 1/4" roller chain. A tensioner ensures optimum chain tension and a long service life with minimal maintenance. The chain tension can be easily read on a clearly visible scale.



Chain greasing

The drive chain greasing system extends its service life enormously. That is why a grease pump with reservoir is installed as standard. The filling level can be easily checked on the front panel. The grease is precisely applied to the chain by 2 brushes. The grease pump is adjustable and is actuated each time the pick-up is lifted.



Pick-up drive system

The pick-up is driven by the speed-regulated driveline from the loading unit on the right side of the machine. Because it is driven by V-belt, no greasing or maintenance is required. The driveline is engaged and disengaged smoothly by a sliding clutch.

Efficiency



- 1 Lower knife bank
- 2 Upper knife bank
- 3 Individual knife protection system
- 4 Weight alleviation



No-compromise chopping

Thanks to the modular chopping system, the BOSS is easy to configure to meet your requirements. The knives are each protected against foreign objects.

The knives can be swung out mechanically, or hydraulically as an option for multiple knife chopping systems.

Lower knife bank (15 knives)

Upper knife bank (16 knives)

Individual knife protection system

Protects animals and the machine



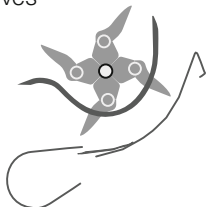
Efficiency



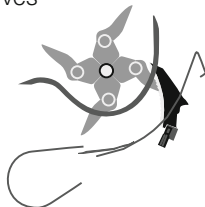
Knife options

BOSS loader wagons are equipped without a chopping system as standard. Three different chopping systems are available to customise your loader wagon.

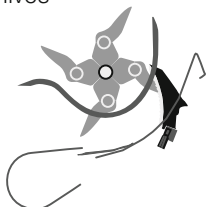
0 knives



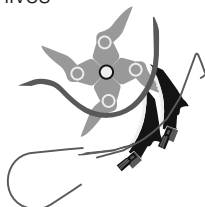
6 knives



16 knives



31 knives



Comfort package

If you choose a chopping system with 16 or 31 knives, you have the option of significantly increasing operating convenience with a hydraulic swing-out system.

As standard, the knives can be swung out manually using a lever. The knives can then be removed from underneath the wagon.

The optional EASY MOVE system enables the knives to be pivoted out hydraulically, and then the whole knife bank swung-out.

This allows the knives to be conveniently removed from the side of the loader wagon.



Knife protection system

All the knives are individually protected against foreign objects. If a foreign object collides with the knives, a trigger mechanism is fitted to ensure that the knives remain sharp and are not damaged. The foreign object pushes the knife back out of the holder before it deflects downwards with almost no resistance. When the foreign object has passed, pressure springs automatically return the knife to its initial position.



6 knives

The 6-knife chopping system has six individually protected knives in a slot-in frame. To change the number of knives, the knives are pivoted out manually one by one. They do not have to be removed completely. The chopped length when using 6 knives is approx. 171 mm. Perfect for dry material.

Not available for:
BOSS 3000 DB MASTER.



16 knives

With 16 knives, the BOSS 3000 has a theoretical chopped length of 86 mm. This is particularly suitable if the forage still needs to be handled by an overhead crane, e.g.: in a silo pit.

The knives are mounted in a knife bank. This can be pivoted out manually.

As an option, the knife bank can be swung out alongside the wagon using the EASY MOVE system and the knives pivoted in and out hydraulically.

Not available for:
BOSS 3270 MASTER.



31 knives

With 31 knives, the BOSS 3000 has a theoretical chopped length of 43 mm. This is particularly suitable for silage making in silos or clamp systems.

The knives are mounted in a knife bank in two offset rows. The whole knife bank can be pivoted out manually.

The rows can be engaged and disengaged as a group to halve the number of knives.

As an option, the knife bank can be swung out alongside the wagon using the EASY MOVE system and the knives pivoted in and out hydraulically.

Not available for:
BOSS 3270 MASTER.

Versatile applications



Up hill and down dale

The BOSS 3000 is available as a high-profile or low-profile loader wagon and can adapt perfectly to local conditions.

The low-profile (LP) version is characterised by a low centre of gravity and wider axles, ensuring safe operation even in alpine terrain.

The high-profile version has more ground clearance and a narrower outer width. This is therefore ideally suited for narrow tracks, roads and yards.

A chassis without suspension ensures a steady stance, while versions with suspension provide a smoother ride.

The optional low drawbar provides better weight transfer to the tractor for better traction. In addition, stability is increased by the lower centre of gravity and lower attachment point below the rear axle. The various braking systems and unladen weights allow the BOSS to be perfectly adapted to your tractor and area of application.

Green forage, hay and silage

In addition to various loading units and chopping systems, the BOSS also stands out as particularly flexible in its overall design.

Delivering grass to the feed barrier in an old building?
No problem!

Hydraulically fold down the dry forage extension, lock the tailgate in place, pull out the cross conveyor belt and deposit the fresh forage where you need it.

Harvest hay in the afternoon as well?

The new BOSS 3000 makes it easy!

Push in the cross conveyor belt, close the tailgate, unfold the dry forage extension and remove the beater rotors. This transforms the BOSS DB MASTER from a compact silage wagon to a high-volume hay loader wagon in 30 minutes.



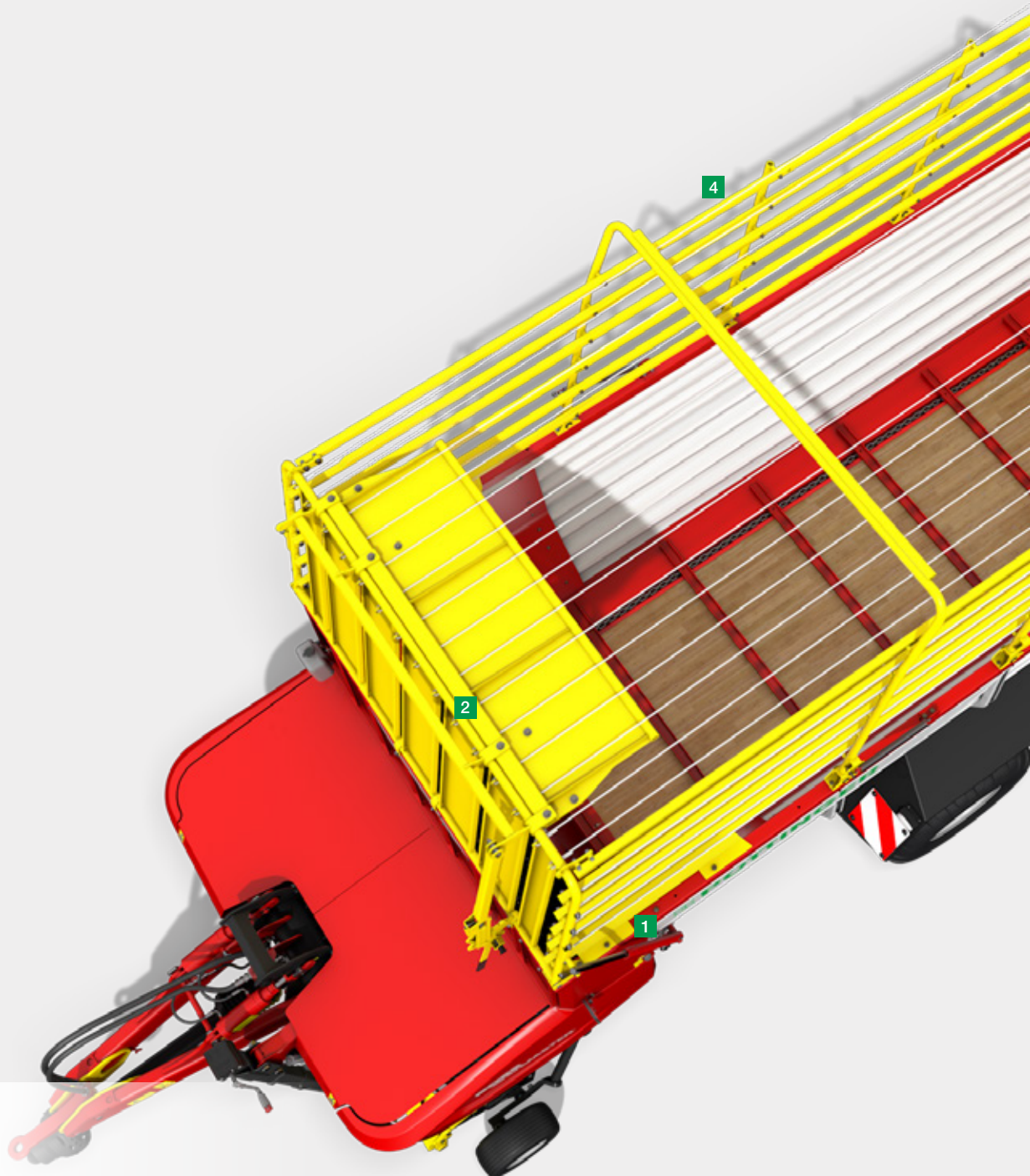
In the field and on the road

Various chassis options allow the BOSS to be precisely matched to your application.

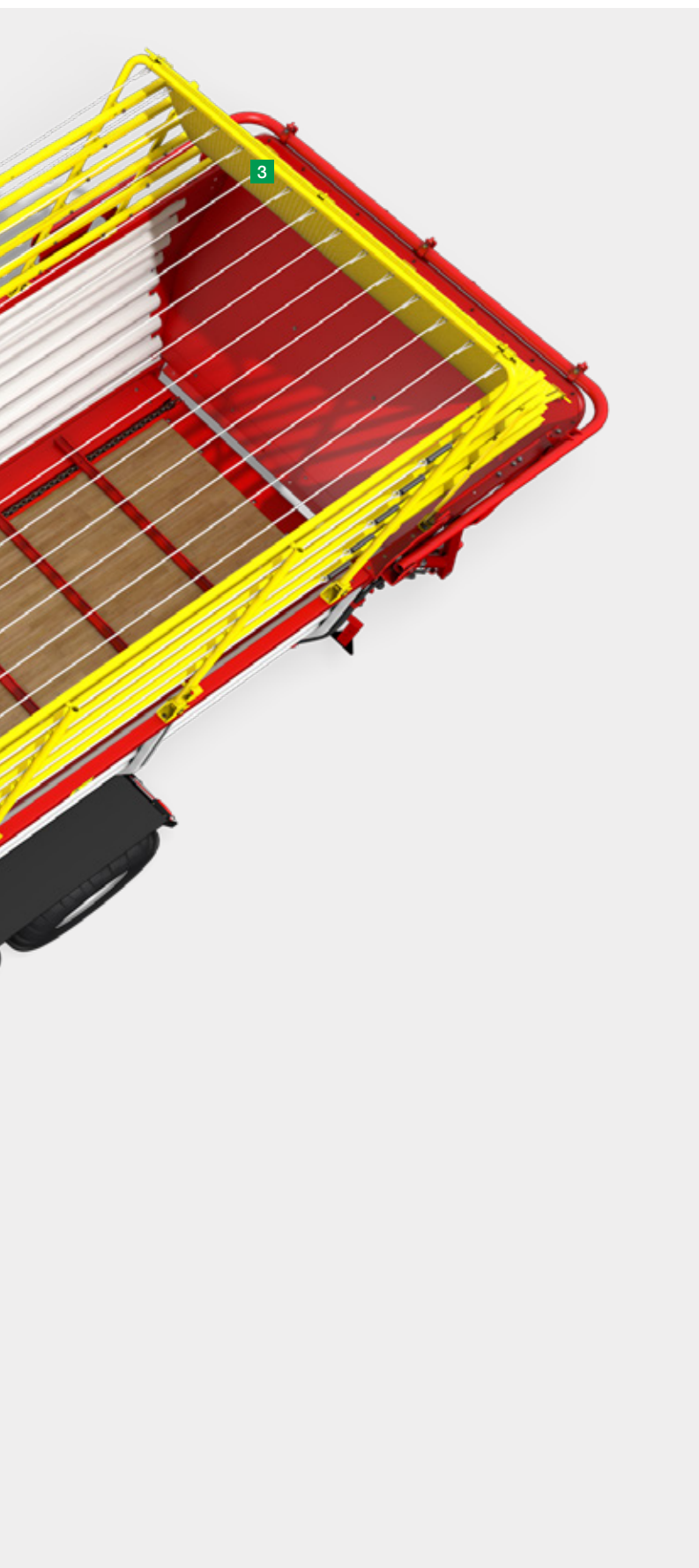
Single and tandem axles with suspension ensure a smooth ride in the field and on the road. They are the ideal choice for long field-to-farm distances and for high transport speeds. Using a spring-loaded parallel lift drawbar can further increase driving comfort.

If the fields are nearby, then the chassis without suspension is the cost effective alternative.

Versatile applications



- 1 Hydraulic folding
- 2 Automatic loading
- 3 Roof ropes with rear tarpaulin
- 4 Dry crop extension



Superstructure – flexible and light

The structure of the BOSS 3000 can be matched exactly to your needs. The slim waistline makes it possible to lower the loading chamber between the wheels and therefore have a low centre of gravity, which is ideal on steep ground. The dry forage extension is also lightweight and keeps the centre of gravity down. With the optional crop retention nets, it works like an all-steel superstructure, but with less weight and can still be folded down.

Hydraulic folding

For low clearances

Automatic loading

Increases operator convenience

Roof ropes with rear tarpaulin

Stops the crop from spilling over the top or to the rear

Dry crop extension

Lightweight and durable

Versatile applications



High and low profile loader wagons

The BOSS 3000 is available in two versions, as a high-profile or low-profile loader wagon.

As a low-profile loader wagon (LP), it is 190 mm lower than the standard high-profile version with an overall height of 3,260 mm. This lowers the centre of gravity to such an extent that these loader wagons are also ideally suited for working on Alpine foothills.

The loading chambers are available in sizes of 18.7 / 21.3 / 23.9 and 26.5 m³.

Scraper floor

The scraper floor has two strong round link chains with bolted-on scraper floor slats. It is hydraulically driven which makes it easy to adjust the speed. Depending on the version, this can be done easily from the control terminal. As standard, the scraper floor can also be operated from the rear of the wagon.

The wooden floor is pressure impregnated to increase durability.



Dry crop extension

BOSS loader wagons have a dry forage extension as standard. This can be folded down hydraulically, reducing the overall height by 870 mm. The folding extension features bars that are arranged closely together. Ropes run between the bars to protect the forage from falling out. Roof ropes prevent the crop from spilling over the top.



Automatic loading

An automatic loading system is available as an option with the dry forage extension. The trigger angle can be set manually and the delay time can be set on the control terminal.

This system ensures optimum loading of the chamber with maximum operating convenience.

Side retention nets

The upper section of the wagon can be lined with nets on the sides to retain the crop and keep the dry forage extension completely clean. These prevent the forage from snagging or falling out. In addition, the smooth nets make it easier to fill and unload the wagon. To fold down the dry forage extension, simply unhook the nets. Because the nets are so lightweight, there is no shift in the centre of gravity.

Tailgate locking system

To enable unloading even inside low buildings, the opening of the tailgate can be adjusted. Fitting optional struts makes the tailgate open to the rear, instead of upwards. This adjustment is made simply by repositioning one pin on each side. This allows you to switch quickly and conveniently between the two unloading settings.

Versatile applications



BOSS DB

PÖTTINGER offers two models with discharge beaters (DB) for unloading in the clamp or depositing forage with the cross conveyor belt.

The smaller model with a load volume of 21.3 m³ can be equipped with a single axle, which makes it particularly light and agile.

The larger model with a capacity of 23.9 m³ is equipped with the tandem chassis for heavy silage work.

Both models have two beater rotors as standard, with a third available as an option.

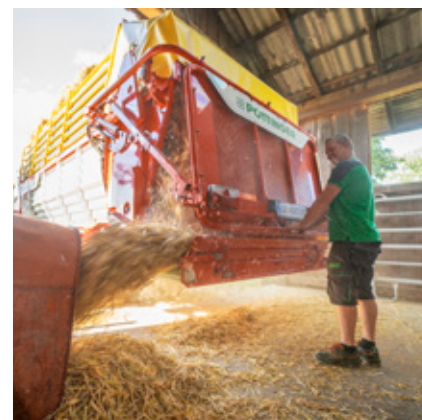
A side access door with ladder is standard equipment.

Due to the wide range of applications covered by the DB models, they are equipped with the Comfort control terminal as standard.



Removing the beaters

The beater rotors can be easily removed. As a result the wagon can be quickly converted for harvesting unchopped crops such as hay or straw. So a DB model still gives you total flexibility.



Three beater rotors

An optional third beater rotor improves the unloading process even further. It ensures that the full height of the crop inside the loading chamber is loosened and discharged uniformly into the clamp.

Redistribution of the forage is usually not required. That saves time.

When the dry forage extension is folded down, the third beater rotor also folds down.

An additional rear tarpaulin is supplied together with the third beater rotor. This ensures even more precise unloading and prevents forage residues from accumulating at the rear of the wagon.

It is recommended for use with the cross conveyor belt.

Cross conveyor belt

With a depth of 600 mm, the cross conveyor is designed for fast unloading of the loader wagon.

While the cross conveyor belt is not in use, it can simply be pushed in under the scraper floor.

The direction of the conveyor belt can be changed simply by repositioning the drive shaft.

The purely mechanical drive of the cross conveyor belt, makes no special demands the tractor's hydraulic system.

Rear-mounted controls

For working with a forage blower and unloading using the cross conveyor, the optional rear-mounted controls are recommended. A keypad mounted on the tailgate lets you conveniently control the unloading process.

In addition to activating the scraper floor, you can also control the scraper floor speed or disengage the beater rotor drive system. With the controls mounted on the tailgate, you have a perfect view of the unloading progress regardless of to which side the wagon is being unloaded.



Versatile applications



Chassis

Three different chassis are available for the BOSS 3000 series loader wagons.

The high-profile loader wagons have an axle track width of either 1,850 mm or 1,950 mm. The single axle on the low-profile loader wagons has a track width of 2,090 mm and the tandem axle has 2,200 mm.

In addition, the anti roll bar is particularly wide at 1,100 mm and 1,458 mm.

A complete package that is perfect for handling the most difficult terrain.

Mudguards

Mudguards are available for almost all tyre and axle combinations. Only for the 1,950 mm track width in combination with ≥ 500 mm wide tires are there no mudguards available.

The mudguards are slanting to prevent deposits from accumulating. Depending on the type approval, demarcation signs outline the overall width of the vehicle. The outer width of the mudguards is 2.36 m for the high-profile models and 2.55 m and 2.6 m for the low-profile (LP) models.



Braking systems

A braking system is standard on BOSS 3000 loader wagons. Choose between a 2-line air brake system or a single-acting or double-acting hydraulic brake system. The braking systems on the BOSS ensure enhanced safety on steep ground and at driving speeds of up to 40 kph.



Single axle

The simplest version is particularly suitable when the fields are nearby and transport distances are short. In addition, the single axle provides enhanced safety on steep ground. The axle can support up to 6.5 tonnes and is bolted directly to the frame.

Single axle with suspension

The suspended single axle version is especially recommended for small loader wagons with high manoeuvrability. The suspension system allows the wagon to travel at up to 40 kph on the road. The single axle with suspension is perfect when the crop has to be transported over longer distances. In addition, it generally increases the comfort of the ride.

Tandem axle

For heavier loads and improved stability on steep terrain, the tandem axle is the best choice. The chassis is fitted with suspension as standard and is equipped with a compensator arm. This ensures even weight distribution and the best braking effect. The maximum payload is 9 tonnes. This variant is standard on the larger models with load capacities of 23.9 and 26.5 m³.

Convenience and maintenance



Relaxing day at work

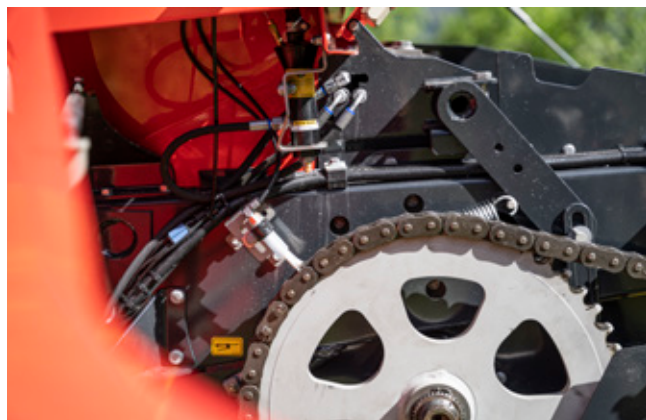
The longer the day, the more important the convenience features become. That is why the BOSS 3000 can be equipped exactly to meet your needs: From simple pre-select controls, to an extended version with individual automatic features, to the full version with direct control of the loader wagon via load sensing and fully automated work sequences.

The wagon full indicator is installed as standard. It can be easily adjusted when a different crop is being loaded.

When it gets dark, the work light can be switched on directly at the control terminal.

Convenient and safe

EASY MOVE is the ultimate in convenience. The knife bank swings-out alongside the loader wagon so that the knives can be changed without risk of hitting your head. This is particularly important for wagons with a low centre of gravity and therefore lower ground clearance. Access steps into the loading chamber are standard, and the tailgate can be locked open.



Convenient maintenance

Convenience extends beyond bringing in the final load. The BOSS also needs maintenance. However, we have taken care to keep the work required as low as possible and to make maintenance as convenient as possible.

The EVOMATIC loading unit with only 2 greasing points is a guarantee for easy maintenance. Chain greasing is automatic and the standard Service Counter signals when anything needs to be attended to.

Easy to clean

Cleaning the loader wagon at the end of the season is not the most popular task, but it becomes a breeze with the BOSS 3000.

With its sloping mudguards, optional extension nets, optimised cable and hose routing, and easy-to-clean side panels, the BOSS shines up quickly and conveniently. This ensures your BOSS retains its value for a long time.

Convenience and maintenance



Parallel lift drawbar

The parallel lift drawbar on the BOSS 3000 transfers a drawbar load of up to 1.5 tonnes. As an option it can be adjusted hydraulically and is also available for hitching under the tractor axle. As standard, it can be adjusted to the mounting height of your tractor using adjustment spindles. The narrow design of the drawbar enables sharp turning angles and makes the loader wagon agile. The BOSS 3000 can be hitched to any tractor thanks to the choice of different towing attachments and a drawbar extension. It can also be drawn by tractors with wide tyres or dual wheels.

Drawbar shock absorber

For increased driving comfort, the hydraulic parallel lift drawbar can also be equipped with a shock absorber.

Intelligent parallel lift drawbar with AUTOTAST

If your BOSS is equipped with the Comfort control terminal, you can also benefit from the intelligent parallel lift drawbar with AUTOTAST.

With this equipment option, the parallel lift drawbar is permanently controlled in the field depending on the size of the opening between the pick-up and the loading unit. This means it lowers when you drive into a dip, allowing the pick-up to have extra freedom of movement downwards. When you drive over a bump, the drawbar lifts to maintain the gap between the pick-up and the loading unit.

As a result, the pick-up is always in the best position for the maximum floating movement up to a driving speed of 8 kph. This is ideal for very demanding terrain.

In addition to the AUTOTAST function, this option also includes memorised settings such as the loading or transport position. It means that you can switch back and forth between field mode and road transport even faster.



Support leg

The support leg is located on the left side of the machine. It is positioned so that it cannot collide with the tractor tyres and the maximum turning angle is equally possible on both sides.

The integrated two-speed gearbox ensures rapid extension and retraction and power-saving lifting of the machine.



Hose holder

The BOSS also makes a neat impression after uncoupling. All hoses and cables can be hung up neatly, preventing them from falling to the ground and allowing them to stay clean. This ensures dirt does not enter the hydraulic system through the loader wagon connections. It makes for quicker coupling and uncoupling, and you stay clean as well.

Separate systems management

While the mechanical part of the driveline is located on the right side of the machine, the electronics and hydraulic systems are located on the left side. Separating the systems in this way simplifies maintenance and cleaning whilst increasing reliability, as there are no hoses or cables near rotating parts.

Convenience and maintenance



Functional design

The BOSS 3000 features an attractive, modern and functional design.

The large plastic panels can be opened wide. This makes cleaning and maintenance work easy. During the design work, special attention was paid to the loader wagon becoming less dirty and being easy to clean.

Good illumination

Modern LED tail lights ensure optimal visibility of your loader wagon by day and night. Optional LED demarcation lights are available to make the overall size of the loader wagon more visible to other road users.

We offer an additional lighting package for working in the dark.



Lighting package

Two floodlights are available as an option on each side to illuminate the area next to the wagon and in front of the wheels. A light inside the loading chamber makes it easier to monitor the loading process. And then there is a floodlight on the tailgate which is helpful when reversing. So you always have everything in view.

That means enhanced safety for people and the machine.



Access door

The BOSS 3000 DB with beater rotors has a large side access door with ladder as standard.



Access steps

To provide access to the loading chamber, retractable steps are mounted on the rear of loader wagons without beater rotors. In addition, the tailgate can be locked open for enhanced safety.



Ambassador

For decades, PÖTTINGER has been committed to giving farming and the people behind it the recognition they deserve. It is increasingly apparent that food supplies cannot be taken for granted.

The tagline "Everyone needs agriculture!" is intended to create awareness that it is farms that ensure the supply of high-quality food.

This will show the people around you the importance of your work.

Convenience and maintenance



	SELECT	SELECT expansion	Comfort control system
Hydraulics requirements	1 DA 1 SA + 1 FRL	1 DA 1 SA + FRL power beyond	1 SA + FRL power beyond
Load sensing	–	–	□
Hydraulic power required	–	> 35 l/min; 180 bar	> 35 l/min; 180 bar
ISOBUS without terminal	■	■	■
Terminal optional	SELECT CONTROL	SELECT CONTROL	POWER CONTROL, EXPERT 75, CCI 1200
Load counter	■	■	■
Service counter	■	■	■
Wagon full signal	■	■	■
Scraper floor speed control	–	■	■
Scraper floor switches off on wagon full signal	–	■	■
Rear switch scraper floor	Mechanical	Electronic	Electronic
Pick-up activation	Spool valve pre-selected	Spool valve pre-selected	Terminal direct
Parallel lift drawbar activation optional	Spool valve pre-selected	Spool valve pre-selected	Terminal direct
Knife bank pivoting activation optional	Spool valve pre-selected	Spool valve pre-selected	Terminal direct / Switch on machine
Scraper floor activation	Spool valve direct	Spool valve direct / terminal direct	Terminal direct
Tailgate activation	Spool valve pre-selected	Spool valve pre-selected	Terminal direct
Lighting package	□	□	□
Automatic loading	–	□	□
Automatic unloading system	–	–	■
AUTOTAST / setting loading mode and transport position	–	–	□

■ = Standard, □ = Optional

DA = double-acting spool valve, SA = single-acting spool valve, FRL = free return line

The right control terminal for your work

To meet your specific requirements, we offer three different control systems for your BOSS 3000.

- Selectline preselect control system
- Expansion for the Selectline preselect control system with additional control functions and automation
- Profiline comfort control system with power beyond or load sensing operation

With each version, you have the option of operating your BOSS either using a control terminal which is supplied as an option, or using your ISOBUS tractor terminal.



Selectline preselect control system

The Selectline preselect control system enables all the hydraulic functions to be carried out using the tractor spool valve.

The basic system includes the following selectable functions: Raise pick-up, Fold dry forage extension, and activate tailgate.

In addition, there is the option of operating the parallel lift drawbar and the knife bank pivoting system.

The scraper floor is controlled using a separate spool valve.

The optional lighting package is compatible with the Selectline preselect control system.

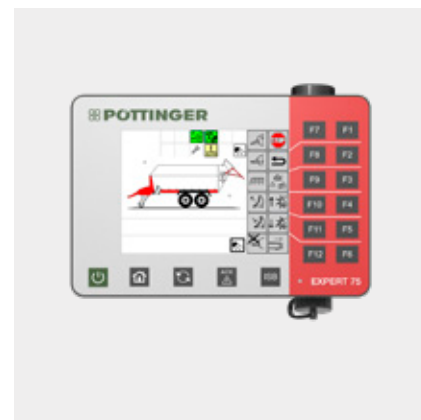


Expansion for Selectline preselect control system

The expansion for the Selectline preselect control system includes controlling the speed and automatic functions of the scraper floor.

The spool valve is then operated in power beyond mode. This then allows the scraper floor to be controlled by the terminal or by the optional automatic loading system. If the wagon is full, then the scraper floor switches off automatically.

35 l/min oil flow rate required.



Profiline comfort control system

The top level system controls the entire hydraulic system using power beyond or load sensing.

This means that all functions can be performed directly from the terminal. In addition to the optional automatic loading system, an automatic unloading system is also included.

The comfort control system is also needed for the AUTOTAST parallel lift drawbar. Machines with hydraulic knife bank pivoting also have a switch on the loader wagon.

Supplied as standard on the BOSS 3000 DB MASTER.

35 l/min oil flow rate required.

Convenience and maintenance





ISOBUS

Every BOSS 3000 is equipped with an ISOBUS connection cable as standard. As a result, even the entry-level version can be controlled using the ISOBUS terminal in your tractor cab. If the tractor does not have a terminal, various control terminals are available as an option.

Simple operation

The AUX CCI A3 joystick makes it easy to control any of your ISOBUS machines. This is done using function keys that can be allocated freely and are separated by ridges. This avoids operator errors. Haptic feedback and all the icons displayed on the keys makes it even easier to work with the joystick.



ServiceCounter

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, there is too much or too little greasing. This can affect the service life of many components.

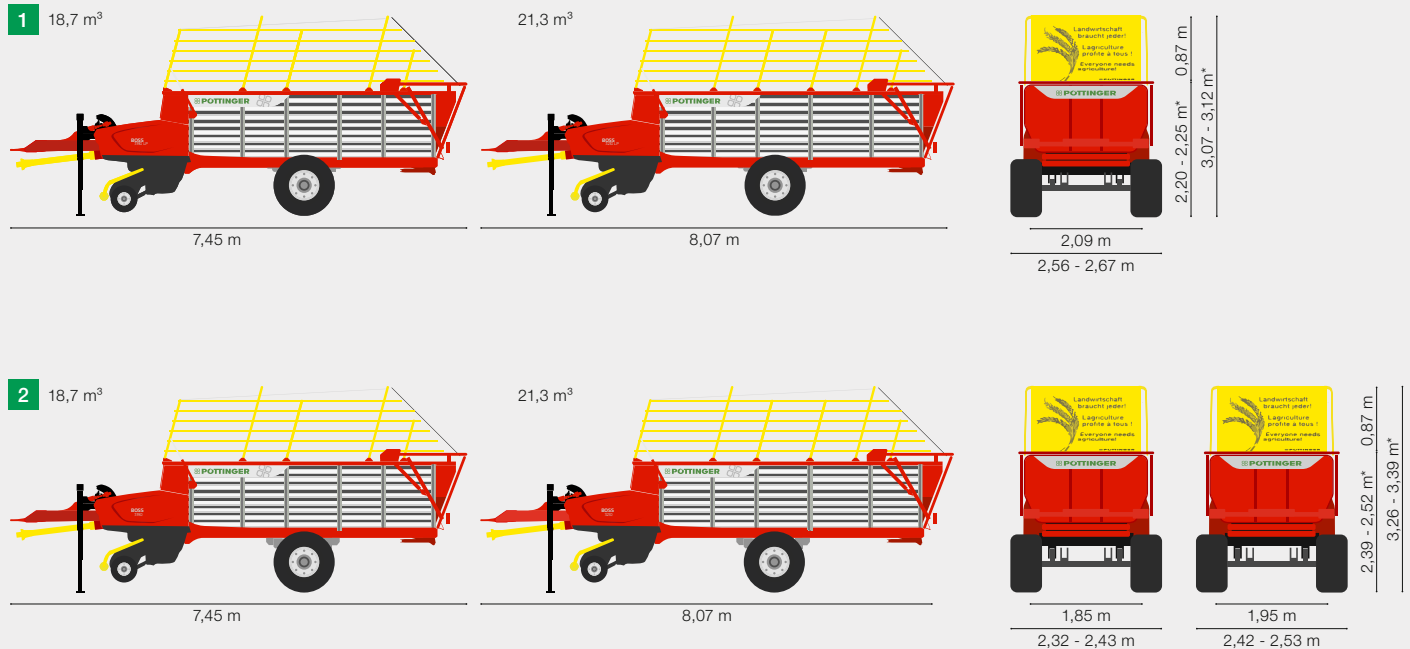
With the service counter fitted as standard, the machine keeps track of the intervals itself and informs the driver about the need for maintenance.

Loader wagons with tine conveyors





Loader wagons with tine conveyors



BOSS 3000

The BOSS 3000 is the perfect choice for farms focused on low tractor power requirements and maximum forage conservation. It can be operated with just 60 hp of tractor power. The loading unit features proven engineering with 3 or 4 tine conveyor elements and is suitable for harvesting all crops.

Power requirement: 60 – 110 hp

Loading system: SUPERMATIC

Number of knives: 6 / 16 / 31

Volume: 18.7 m³ / 21.3 m³ / 23.9 m³

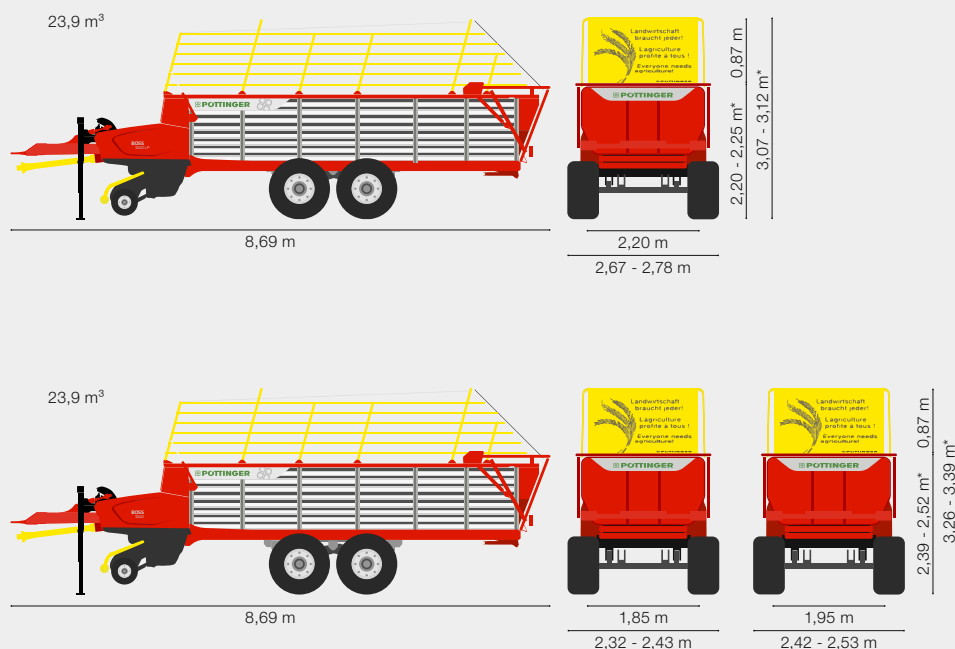
Volume LP: 18.7 m³ / 21.3 m³ / 23.9 m³

Volume DB: –

1 BOSS 3000 LP

2 BOSS 3000

BOSS 3000



The classic SUPERMATIC loading system has a lower power requirement, and yet delivers impressive performance thanks to its controlled tine conveyor elements that conserve the forage. For heavy silage work, an additional pair of tine conveyor elements can be mounted. This makes the loading unit suitable for bringing in the daily basic ration, classic silage operations, and for harvesting hay and straw with tractors up to 110 hp.

The BOSS 3000 series is a versatile loader wagon that is a big performer in its segment thanks to its high efficiency and perfect ground tracking.

* depending on tyres (480/45-17 & 19.0/45-17 | 500/50-17 & 520/50-17)

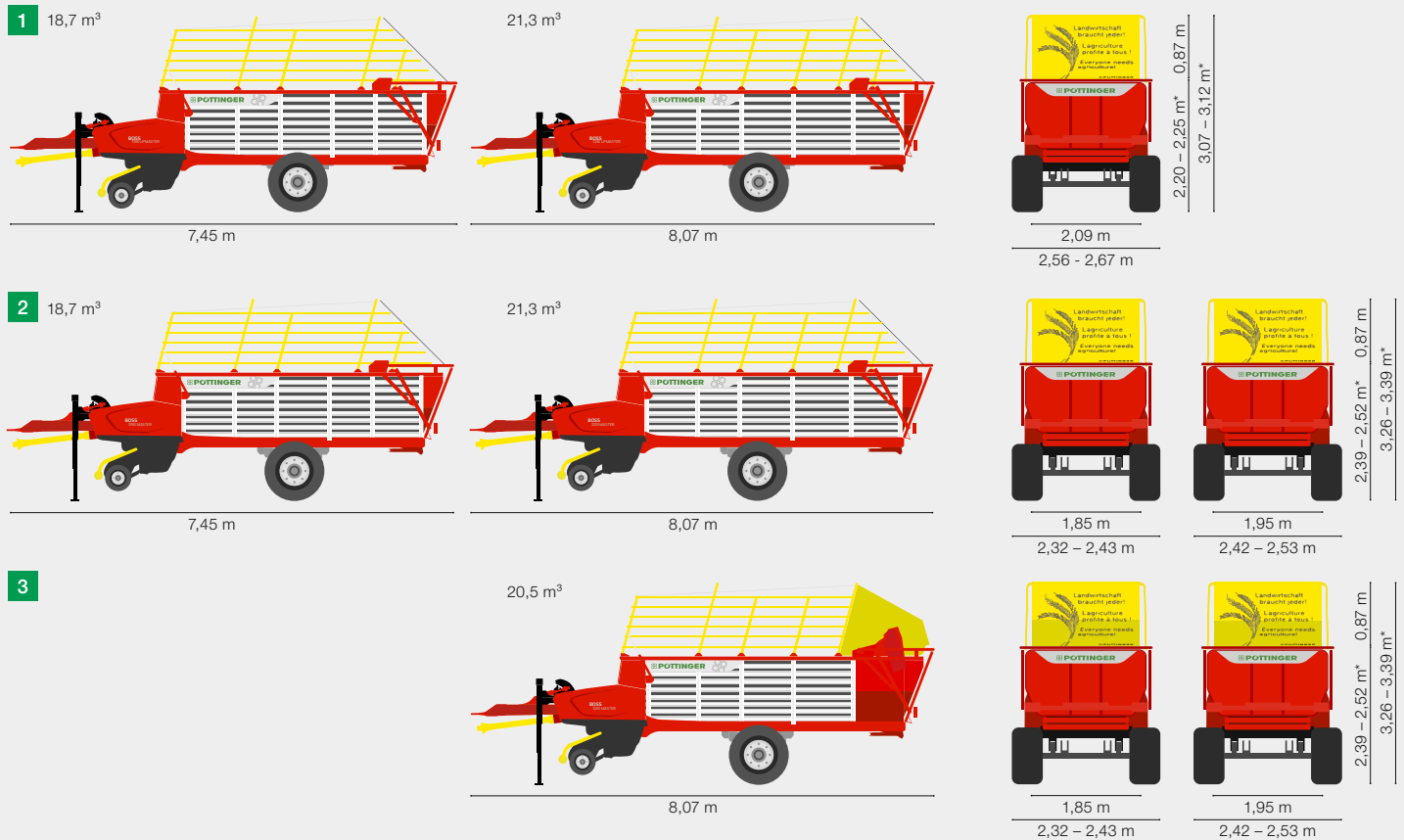
Loader wagon



BOSS 3000 MASTER



Loader wagon



BOSS 3000 MASTER

The BOSS 3000 MASTER is the ideal choice for farms that need the highest performance in harvesting while spending as short a time as possible maintaining a machine.

It can be operated up tractors up to 130 hp.

With a load capacity up to 27 m³, it is ideal for harvesting hay.

The DB version is ideal for high output silage harvesting.

Power requirement: 70 – 130 hp

Loading system: EVOMATIC

Number of knives: 6 / 16 / 31

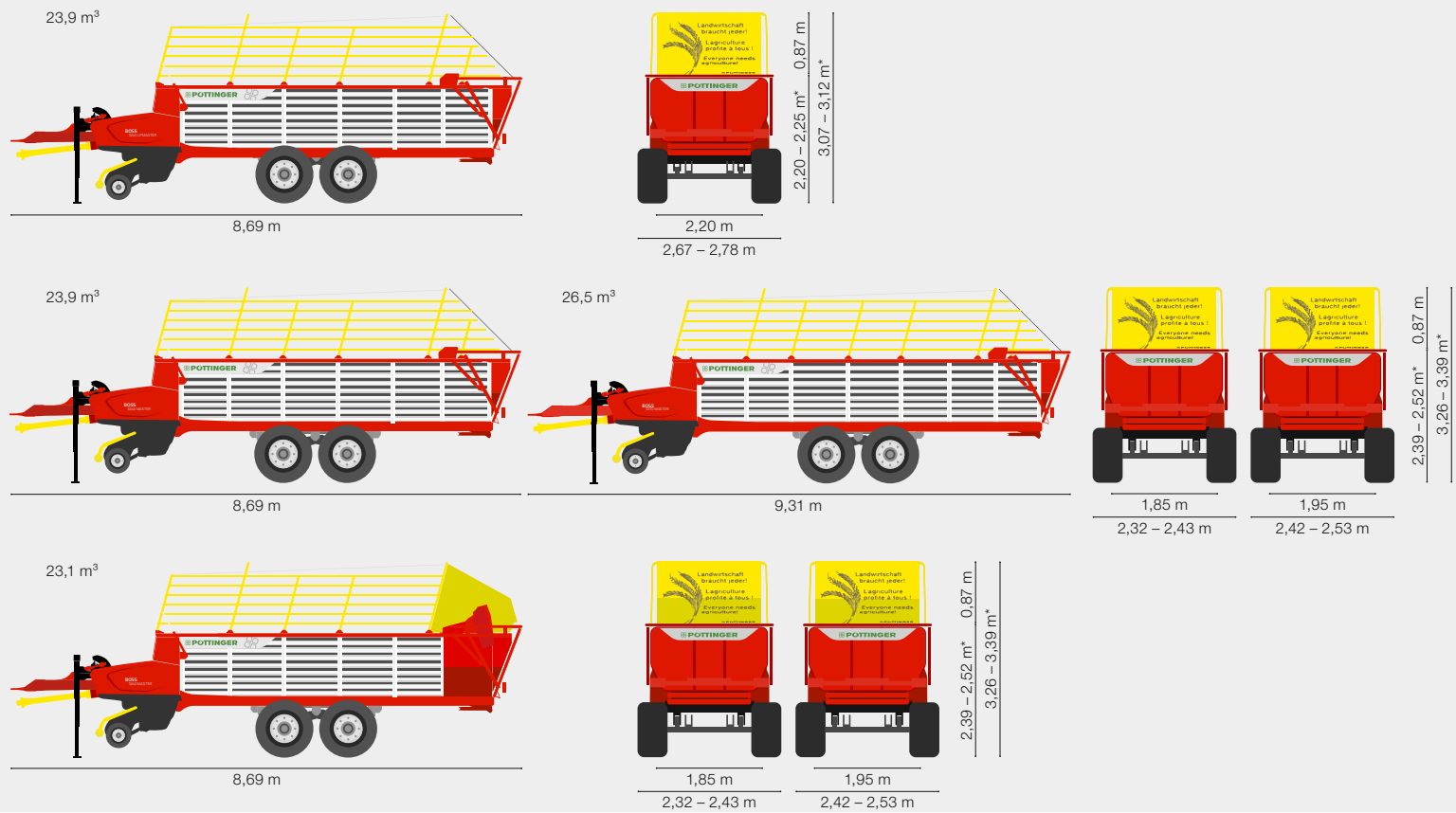
Volume: 18.7 m³ / 21.3 m³ / 23.9 m³ / 26.5 m³

Volume LP: 18.7 m³ / 21.3 m³ / 23.9 m³

Volume DB: 20.5 m³ / 23.1 m³

- 1 BOSS 3000 LP MASTER
- 2 BOSS 3000 MASTER
- 3 BOSS 3000 DB MASTER

BOSS 3000 MASTER



The innovative EVOMATIC loading unit delivers 25% higher loading performance and extremely quiet operation for impressive efficiency and cost effectiveness.

Because it is fitted with up to 31 knives, the new loading unit is suitable for bringing in the daily basic ration, classic silage operations, and for harvesting hay and straw with tractors up to 130 hp.

The BOSS 3000 MASTER series is a versatile loader wagon that is a big performer in its segment thanks to its high efficiency and perfect ground tracking.

*depending on tyres (480/45-17 & 19.0/45-17 | 500/50-17 & 520/50-17)

Digital agricultural technology



A shared language

How machine and tractor communicate, even if they are from different manufacturers

Communicating in a common language is what stands behind the term ISOBUS. The need for this stemmed from the fact that each agricultural machinery manufacturer originally developed its own electronics solution. This was an obstacle for any farm business that operates machinery from different manufacturers. ISOBUS refers to the standardised communication system between tractor and implement using standardised hardware and software that is not limited to a single manufacturer: This really makes your daily work a great deal easier.

More convenience using ISOBUS

ISOBUS eliminates isolated solutions by establishing a standardised, compatible connection between tractor and implement, which should work with all combinations using “plug and play”: Simply plug the ISOBUS plug into the ISOBUS socket and you are ready to go. A single ISOBUS

terminal replaces the large number of implement-specific terminals inside the tractor cab.

Source: www.aef-online.org

The right solution for every requirement

A modern ISOBUS system consists of various components, including tractor, terminal and implement. It always depends on what the terminal and attachments are able to do in each situation – and what equipment options have been installed. This is where ISOBUS functions come into play. ISOBUS functions are independent modules or building blocks within the ISOBUS system. These work as soon as they are included in all the components involved.

Intelligent operation and ISOBUS terminal



SELECT CONTROL

Optional with Selectline preselect control system

SELECT CONTROL terminal featuring a user-friendly design. With illuminated function keys and a 4.3" colour touch screen, many machine functions can be preselected and operated using the tractor's hydraulic remote valves or controlled directly.



POWER CONTROL

Optional with Profiline comfort control system

With the new entry-level POWER CONTROL terminal, many machines can be operated using PÖTTINGER's convenient electronic control system. 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 with Profiline comfort control system

The compact 5.6" EXPERT 75 ISOBUS terminal can be operated both directly via the touchscreen and using 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.

Accessories



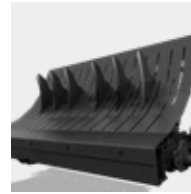
**SUPERMATIC with
3 conveyor tines**



**SUPERMATIC with
4 conveyor tines**



**EVOMATIC with
4 conveyor tines**



**6 knife chopping
system**



**16 knife chopping
system**

BOSS 3190	■	□	–	□	□
BOSS 3190 MASTER	–	–	■	□	□
BOSS 3210	■	□	–	□	□
BOSS 3210 MASTER	–	–	■	□	□
BOSS 3240	■	□	–	□	□
BOSS 3240 MASTER	–	–	■	□	□
BOSS 3270 MASTER	–	–	■	□	–
BOSS 3190 LP	■	□	–	□	□
BOSS 3190 LP MASTER	–	–	■	□	□
BOSS 3210 LP	■	□	–	□	□
BOSS 3210 LP MASTER	–	–	■	□	□
BOSS 3240 LP	■	□	–	□	□
BOSS 3240 LP MASTER	–	–	■	□	□
BOSS 3210 DB MASTER	–	–	■	–	■
BOSS 3240 DB MASTER	–	–	■	–	■

More equipment options

- SELECT CONTROL control terminal
- Expansion for SELECT pre-select control
- Pick-up jockey wheels trailed
- Pick-up jockey wheel chassis
- Automatic loading for dry forage extension
- LED lighting package
- Tailgate locking system
- Cross conveyor belt (DB models only)
- 3rd beater rotor (DB models only)
- Flashing beacon

Tyres:

- 480/45-17 Vredestein Flotation + (standard equipment) (dia. 860 mm)
- 19/45-17 AS profile (dia. 860 mm)
- 500/50-17 Vredestein Flotation + (dia. 930 mm)
- 520/50R17 Vredestein Flotation Trac (dia. 950 mm)

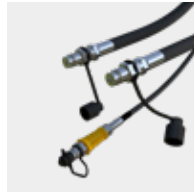
Often ordered together



31 knife chopping system



Hydraulic knife bank pivoting with EASY MOVE



Comfort control system



Single axle without suspension



Single axle with suspension



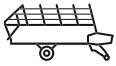
Tandem axle with suspension

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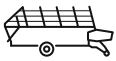
Configure your own machine.

■ = Standard, □ = optional, DB = Discharge Beater

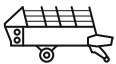
Technical data



BOSS	DIN volume	Pick-up width as per DIN	Possible No. of knives	Minimum knife spacing	Overall length Overall width
BOSS 3190	18.7 m ³	1.8 m	0 6 16 31 pcs	43 mm	7.45 m 2.36 m
BOSS 3190 MASTER	18.7 m ³	1.8 m	0 6 16 31 pcs	43 mm	7.45 m 2.36 m
BOSS 3210	21.3 m ³	1.8 m	0 6 16 31 pcs	43 mm	8.07 m 2.36 m
BOSS 3210 MASTER	21.3 m ³	1.8 m	0 6 16 31 pcs	43 mm	8.07 m 2.36 m
BOSS 3240	23.9 m ³	1.8 m	0 6 16 31 pcs	43 mm	8.69 m 2.36 m
BOSS 3240 MASTER	23.9 m ³	1.8 m	0 6 16 31 pcs	43 mm	8.69 m 2.36 m
BOSS 3270 MASTER	26.5 m ³	1.8 m	0 6 pcs	172 mm	9.31 m 2.36 m



BOSS LP					
BOSS 3190 LP	18.7 m ³	1.8 m	0 6 16 31 pcs	43 mm	7.45 m 2.58 m
BOSS 3190 LP MASTER	18.7 m ³	1.8 m	0 6 16 31 pcs	43 mm	7.45 m 2.58 m
BOSS 3210 LP	21.3 m ³	1.8 m	0 6 16 31 pcs	43 mm	8.07 m 2.58 m
BOSS 3210 LP MASTER	21.3 m ³	1.8 m	0 6 16 31 pcs	43 mm	8.07 m 2.58 m
BOSS 3240 LP	23.9 m ³	1.8 m	0 6 16 31 pcs	43 mm	8.69 m 2.69 m
BOSS 3240 LP MASTER	23.9 m ³	1.8 m	0 6 16 31 pcs	43 mm	8.69 m 2.69 m

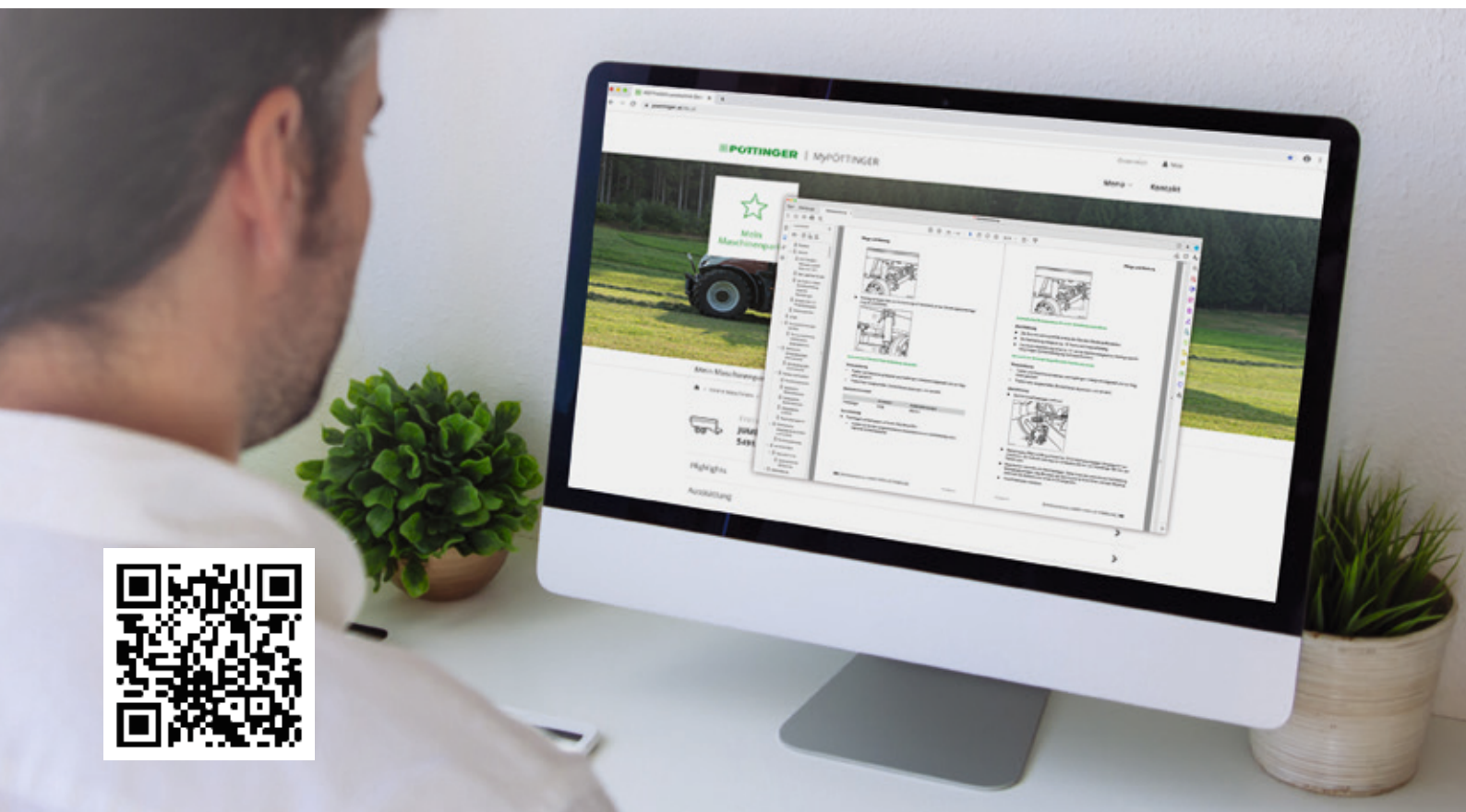


BOSS DB					
BOSS 3210 DB MASTER	20.5 m ³	1.8 m	16 31 pcs	43 mm	8.07 m 2.36 m
BOSS 3240 DB MASTER	23.1 m ³	1.8 m	16 31 pcs	43 mm	8.69 m 2.36 m

Overall height lowered*	Overall height*	Overall height with tailgate open*	Standard unladen weight	Permissible total weight	Maximum total weight
2.39 m 2.52 m	3.26 m 3.39 m	3.49 m 3.62 m	2825 kg	8 t	10.5 t
2.39 m 2.52 m	3.26 m 3.39 m	3.49 m 3.62 m	2825 kg	8 t	10.5 t
2.39 m 2.52 m	3.26 m 3.39 m	3.49 m 3.62 m	2,950 kg	8 t	10.5 t
2.39 m 2.52 m	3.26 m 3.39 m	3.49 m 3.62 m	2,950 kg	8 t	10.5 t
2.39 m 2.52 m	3.26 m 3.39 m	3.49 m 3.62 m	3,750 kg	10.5 t	10.5 t
2.39 m 2.52 m	3.26 m 3.39 m	3.49 m 3.62 m	3,750 kg	10.5 t	10.5 t
2.39 m 2.52 m	3.26 m 3.39 m	3.49 m 3.62 m	4,100 kg	10.5 t	10.5 t
2.20 m 2.25 m	3.07 m 3.12 m	3.30 m 3.35 m	2825 kg	8 t	10.5 t
2.20 m 2.25 m	3.07 m 3.12 m	3.30 m 3.35 m	2825 kg	8 t	10.5 t
2.20 m 2.25 m	3.07 m 3.12 m	3.30 m 3.35 m	2,950 kg	8 t	10.5 t
2.20 m 2.25 m	3.07 m 3.12 m	3.30 m 3.35 m	2,950 kg	8 t	10.5 t
2.20 m 2.25 m	3.07 m 3.12 m	3.30 m 3.35 m	3,750 kg	10.5 t	10.5 t
2.20 m 2.25 m	3.07 m 3.12 m	3.30 m 3.35 m	3,750 kg	10.5 t	10.5 t
2.39 m 2.52 m	3.26 m 3.39 m	3.49 m 3.62 m	3,450 kg	8 t	10.5 t
2.39 m 2.52 m	3.26 m 3.39 m	3.49 m 3.62 m	4,250 kg	10.5 t	10.5 t

*depending on tyres (480/45-17 & 19.0/45-17 | 500/50-17 & 520/50-17)

LP = Low Profile, DB = Discharge Beater



MyPÖTTINGER – it's easy. Anytime. Anywhere.

Benefit from numerous advantages

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

Get specific information and useful tips on your PÖTTINGER machines in "My machines." And find out more about the PÖTTINGER product range.

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 built starting 1997.

Scan the QR code on the machine's data plate with a smartphone or tablet or go to www.mypottinger.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: instruction manuals, equipment options information, brochures, photos and videos.



Rely on the original

PÖTTINGER ORIGINAL PARTS meet the highest demands in terms of functionality, reliability and performance. These are characteristics that PÖTTINGER is committed to delivering.

That is why we manufacture PÖTTINGER ORIGINAL PARTS from the highest quality materials. We ideally match each individual spare part and wear part to your machinery's overall system. This is because different soil and operating conditions often need to be taken into consideration.

We have been listening to our customers and now offer three different lines – CLASSIC, DURASTAR and DURASTAR PLUS – to make sure you have the right part to meet every requirement. ORIGINAL PARTS are worth every cent, because know-how cannot be copied.

Your advantages

- Immediate and long-term availability.
- Maximum durability thanks to innovative production processes and the use of the highest quality materials.
- Avoidance of malfunctions due to a perfect fit.
- The best working results thanks to optimum match to the overall system of the machine.
- Save time and costs thanks to longer replacement intervals on wear parts.
- Comprehensive quality testing.
- Ongoing advancement through research and development.
- Worldwide spare parts supply.
- Attractive, competitive prices for all spare parts.

Wear parts

The CLASSIC line is for standard duty applications. With these ORIGINAL INSIDE parts we have defined the benchmark for quality, best price/performance ratio and reliability.

DURASTAR is the innovation on the wear components market – durable, high quality, productive and reliable.

Are you used to putting your machines to work in the most extreme conditions? Then the DURASTAR PLUS line is the right choice for you.



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

The new benchmark

- New versatile loader wagon
- Highest efficiency thanks to innovative loading system
- Perfect ground tracking even in the most difficult terrain
- Modern control concept
- Low maintenance and durable

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