STRAUTMANN

Multi-purpose forage wagon

Magnon 9
Magnon 8

The compact high-performance forage wagon for professionals

The Magnon 8 and Magnon 9

Powerful integral rotor
with welded-on tine plates for optimum protection of fodder and maximum cutting quality

Robust superstructure
with pivoting front panel and compact dimensions

Clean and even crop pick-up
with camless Steel tine or Flex-Load Pick-up

Efficient loading
with the unique Continuous Flow System

Exact cutting
with the proven Exact-Cut cutting unit

Magnon 8 and Magnon 9

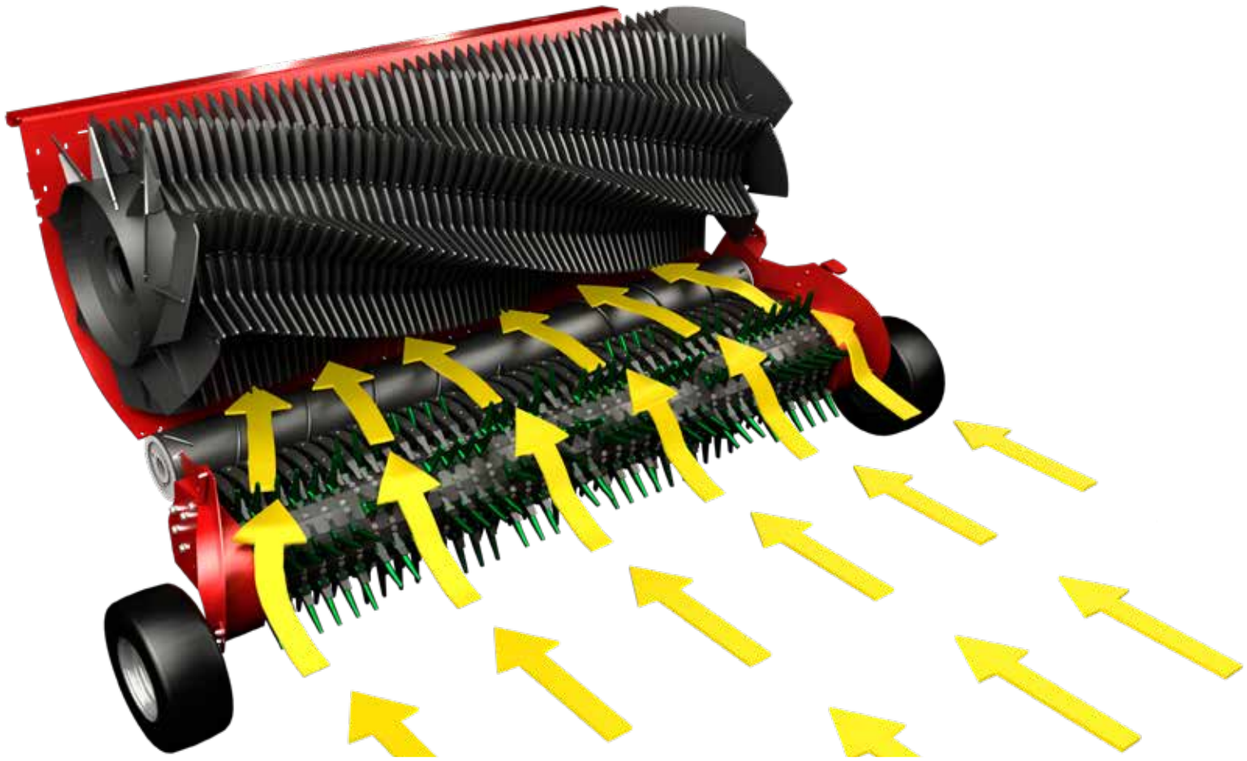
The Magnon series are well-known for their high harvesting performance and they excel at the silo with high discharge speeds due to the proven pivoting front panel. This forage wagon generation is unrivalled in terms of throughput rate and power. The Magnon 8 and Magnon 9 models combine these advantages with a compact design. The Magnon 9 also stands out for its extremely short cutting length of just 22 mm.

- Loading capacity of 36 – 40 m³
- 35 or 22 mm theoretical cutting length
- Steel tine pick-up with plastic strippers
- Continuous Flow System
- Integral rotor

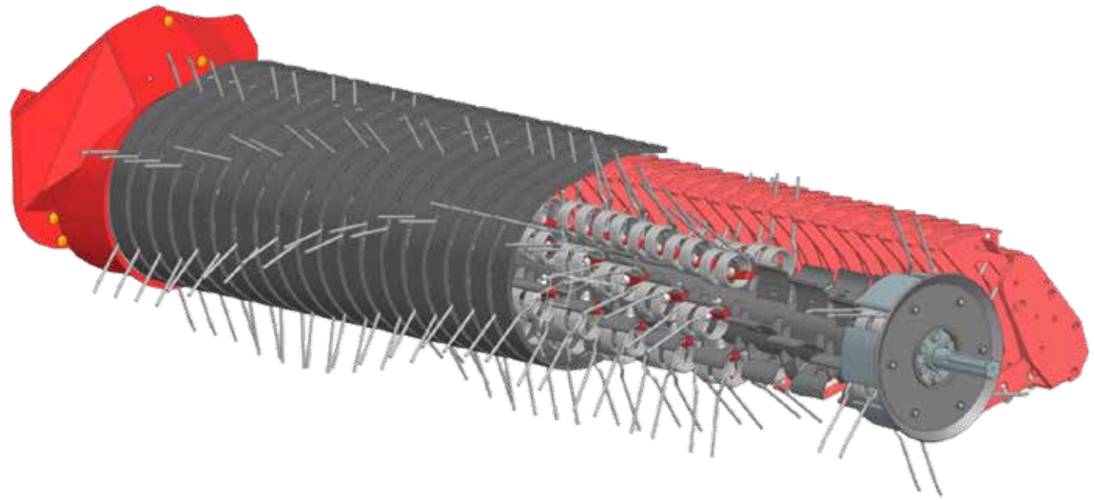
Technical modifications reserved

A perfect crop flow

The Continuous Flow System with integral rotor



The Magnon is the premium forage wagon series from Strautmann. The loading unit impresses with outstanding performance. The standard steel tine pick-up impresses with a pick-up width of 2,12m and optimum interaction with the proven Continuous Flow System. The integral rotor reliably conveys even large crop swathes through the cutting unit into the cargo space. You can of course count on the usual advantages of the Strautmann loading unit, such as even load forces exerted on the components, optimum cutting quality and smooth operation.



Clean and even crop pick-up: Camless steel tine pick-up with plastic strippers

Clean and even crop pick-up: Camless steel tine pick-up with plastic strippers

The 2.12 m wide mechanically driven pick-up follows the ground perfectly and achieves excellent raking quality in all conditions thanks to the flat loading angle. The plastic strippers are flexible and extremely wear-resistant. The simple, camless design reduces maintenance and repair costs.

The proven Continuous-Flow-System

Dispersal and acceleration of the crop

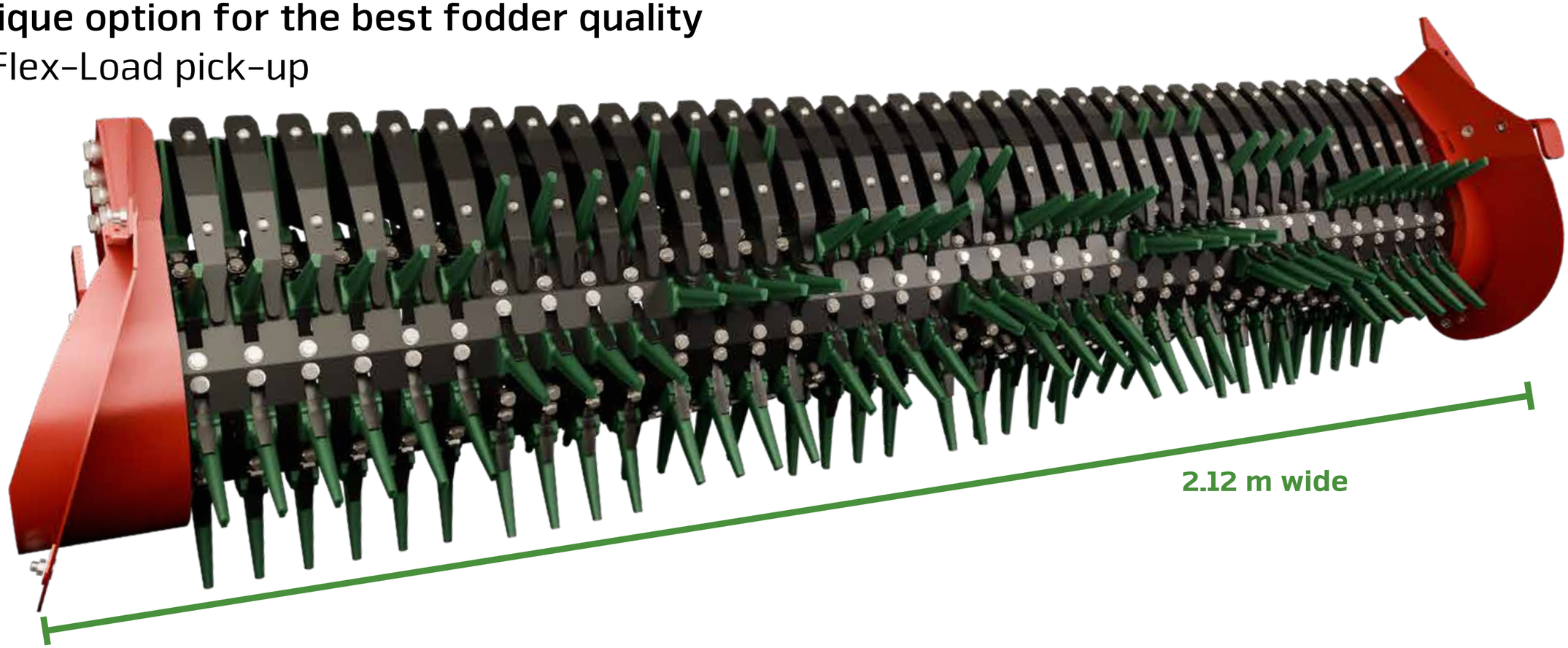
The flow roller of the Continuous Flow System disperses the loaded crop using its specially welded-on layer. The crop is then conveyed evenly across the entire width to the rotor. Its acceleration ensures a consistent crop flow without any restrictions. From the pick-up to the rotor, the material is always delivered uniformly, preventing any material blockages.

Optimum load distribution over the entire width

The higher positioned rotor reduces the power requirement by shortening the conveyor duct. The crop is conveyed into the cargo space across the entire width. This ensures a maximum and even load distribution, resulting in more weight per cubic meter. At the same time, faster loading is achieved with a lower power requirement.

A unique option for the best fodder quality

The Flex-Load pick-up



Flexible loading – Saving time and effort

The unique Flex-Load pick-up is the result of decades of experience in the field of forage wagons. The innovative plastic tines achieve an unprecedented level of wear resistance. The flexible tines are hard enough to optimally pick up the crop from the swathe, but also flexible enough to adapt to the ground. This minimises wear and tear, saving effort and costs.

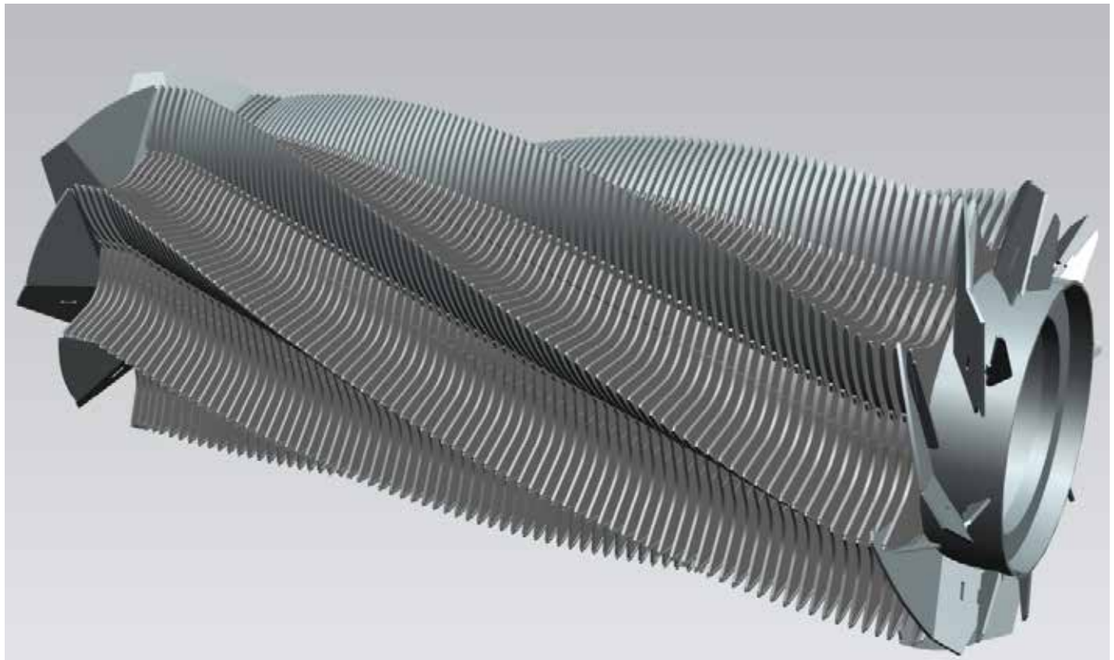
Flexible plastic tines

- Made from a special PUR composition
- 6 helically arranged tine segment rows
- Tines are horizontally flexible, vertically rigid to ensure a reliable pick-up
- Ideal ground following
- Penetration into the ground is prevented, thus avoiding contamination of fodder
- Minimal wear and hardly any tine breakage
- Change of tines within one minute with only one tool required

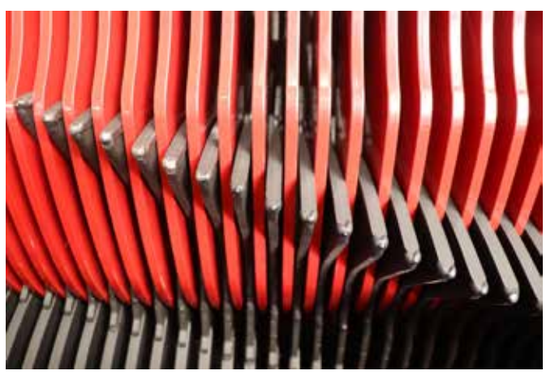
Your advantages

+ Reduced tine breakage
+ Minimised tine wear
+ Change of tines in less than one minute
+ Ideal ground following
+ Optimum protection of soil
+ Less contamination of fodder

Reliable material flow
The integral rotor



The 1,950 mm wide integral rotor reliably guides the crop from the sides of the pick-up towards the center of the rotor via its integral parts. The maximum conveyor duct width and the large rotor diameter of 840 mm ensure optimal loading of the cargo space across its entire width, making Magnon forage wagons the easiest to pull in their class.



Minimal wear, precise cut
The integral rotors are characterized by a robust and durable design. The 8-row tine rings are welded continuously to the rotor tube. Hardox tine plates welded onto the conveyor tines ensure a scissor-like cut due to the minimal distance to the blade. An additional Hardox weld overlay on the tine tip minimizes wear on the conveyor tine. This ensures consistently good material guidance and cut quality.

Material flow via Integral parts
Reliable material flow across wide swaths in dense forage is a key function of the loading unit. The integral parts of the rotor reliably guides the crop from the outer sides of the pick-up towards the center of the rotor, in front of the conveyor tines. The narrow integral width ensures that, in dense forage, as much forage as possible from the side areas quickly enters the conveyor duct. This reduces power requirements. The crop that has not been conveyed in front of the tines is cut off by a shear edge on the outermost rotor stripper and guided forward again through the integral section. Thus, only cut crop enters the loading space.

Rotor strippers
The rotor strippers feature a wide, low-wear stripping surface made of Hardox and can be replaced individually. The strippers intelligent contour allows for a stripping angle of over 90° between the conveyor tines and the strippers. This ensures that the conveyor tines withdraw reliably and easily from the crop flow. The forage is securely retained in the loading space. This prevents the forage from becoming compacted, even under heavy pressures in the loading space.

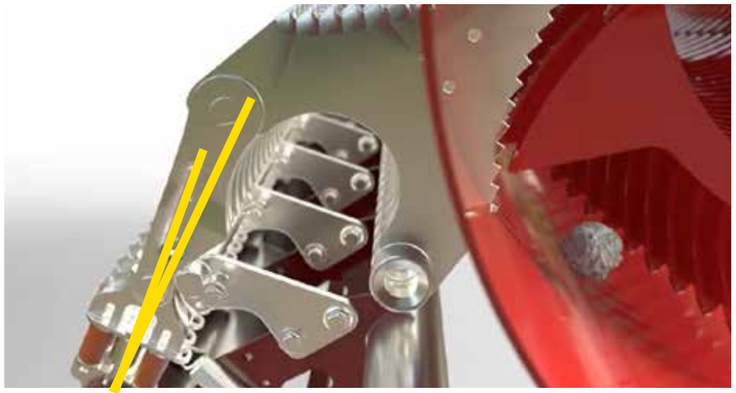
Consistently outstanding cutting quality
The Exact-Cut cutting unit

Exact-Cut cutting unit
- Almost maintenance-free design, reducing maintenance costs
- Central knife-locking mechanism enables quick knife changes
- Automatic knife retraction function ensures high driving comfort and consistent cutting quality
- Double sided knives are standard

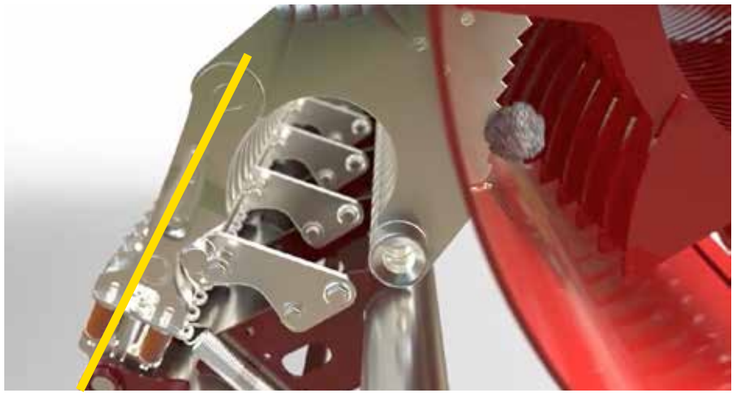
Knife changes made easy
The knife bank can be swivelled out and back in hydraulically from the outside. This makes it easy to change knives. Use the supplied extraction lever for quick, safe and easy removal:
- Lever is inserted into the knife protection system
- The knife slides off the locking shaft with slight forward pressure

Knife protection system
with triggering point

The knife protection system in Strautmann forage wagons has a triggering point and is particularly low-maintenance. The knife swivels completely out of the conveyor duct in the event of contact with a foreign object. This minimises damage to the knife blades.



Knife in conveyor duct
If the triggering point of the knife protection system is not reached, the knives remain securely fixed in the duct.



In case of contact with foreign objects
When the knife protection system is triggered, the rubber dampers are first compressed. At the same time, the protection system reaches the triggering point, while the spring for the reset mechanism is tensioned.

Triggering of the protection system
If the knife protection system passes the triggering point, the knife swings all the way out and the spring of the reset mechanism is fully tensioned. As soon as the counterforce caused by a foreign object decreases or is no longer applied, the tensioned spring automatically pulls the knife back into the conveyor duct.

Magnon 8: The compact high-performance forage wagon for professionals

Cutting Unit

- Proven Exact-Cut cutting unit with 47 double sided knifes for double the service life
- 35 mm theoretical cut length
- Outstanding easy towing and maximum throughput rate under any conditions

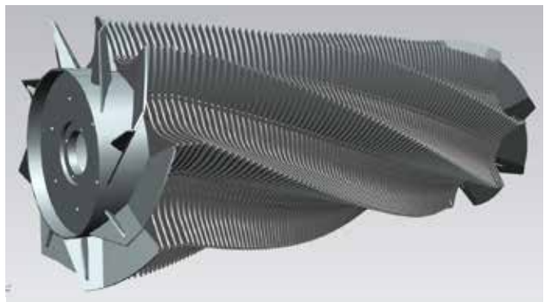
Rotor

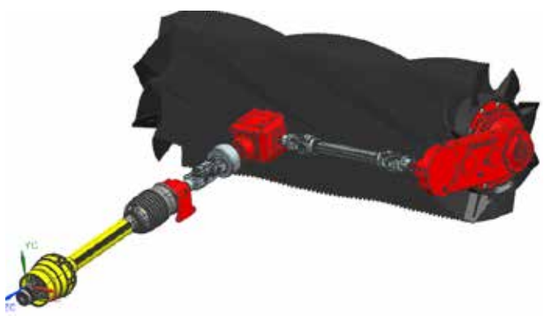
- 1740 mm cutting width
- 105 mm wide integral elements
- 17 mm wide tine plates made of Hardox with build-up welding ensure a consistently precise cut
- The strippers and tines are positioned at a wide angle to each other
- 14 mm wide rotor strippers provide maximum stripping surface area and optimal forage protection
- Tine rings welded continuously to the rotor tube

Rotor Drive

- 2200 Nm high torque protection for trouble-free operation under any conditions
- Rotor driven via an oil-bath gearbox and a planetary gearset integrated into the rotor
- Speed reduction occurs just before the rotor
  → Lower torque load on the drive line

Magnon 9: No one cuts shorter!
Cut shorter—feed better!





Cutting unit

- Proven Exact-Cut cutting unit with 77 double sided knifes for double the service life
- 22 mm theoretical cutting length
- Best forage quality thanks to the shortest cutting length on the market

Rotor

- 1740 mm conveying width
- 105 mm wide integral elements
- 10 mm wide tine plates with welded-on layer ensure a scissor-like cut
- 8 mm wide rotor strippers ensure the largest possible stripping surface and optimum forage protection
- Rotor tines and tine plates made of Hardox for maximum operational reliability
- Tine rings are fully welded around the rotor tube.

Rotor drive

- Reinforced drive gearboxes ensure reliable power transmission
- Long service life of the individual components
- Transmission of maximum tractor power possible thanks to 3000 Nm rating

The best for you and your animals!
Your advantages at a glance

- Faster distribution and maximum compaction of the crop in the silo
- Less rolling time
- Reliable and optimal ensiling of the fodder
- Improved and more consistent fodder quality
- Higher feed intake and better animal health increase the milk yield of the herd
- Short cutting length ensures noticeably higher payload in the cargo space
- Lower transport costs and faster harvesting
- Short cutting lengths are no longer the sole preserve of forage harvesters
- The forage wagon can also be used by customers who value a very short cutting length
- Higher utilisation of the forage wagon

The Magnon 9 increases the profitability of both farm contractors and farmers enormously!

Robust and intelligent design
Superstructure & floor

Solid all-steel construction
- Continuous side panels with reinforced side posts provide stability
- Suitable for combined use

Easy access
- Convenient, full-height access door
- Convenient access to the cargo space
- Safe entry due to non-slip steps

Hydraulically swivelling front panel
- Is pivoted into the cargo space for optimum compaction of the crop during loading
- When the cargo space is completely full up to the rear, the front panel automatically pivots to the front
- 5 m³ of additional loading capacity is released

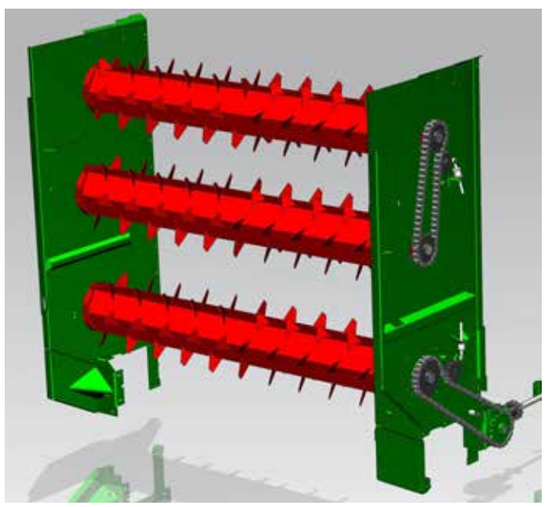
Optimum load distribution
- Load protection bars prevents the fodder from overflowing
- Automatic loading via sensing bar in the front panel as standard
- Deflected sensing fingers sets the transport floor in motion
- Optimum filling due to the adjustment of load distribution

Powder-coated steel floor
- Perfect protection against corrosion for a long service life
- Transport floor with two chain lines
- In conjunction with low-wear link chains
- Transport floor chains welded with sturdy square tubes
- Fast and safe transport of the crop
- Driven by toothed drive gears on both sides with powerful oil motors

Practical maize plate
- Closure of the conveyor duct for use as a multi-purpose wagon
- Prevents the load from falling into the rotor duct
- Quick and easy to install

Technical modifications reserved

Efficient discharge
With or without dosing unit



Effective beaters
- For even fodder discharge on the silo
  → Easy compaction for a reliable ensiling process and perfect fodder quality
- Dosing unit with 3 beaters as standard
- Equipped with aggressive ripping tines for fast discharging

Robust drive
- Drive via large roller chains
- Safety switch-off on the lower beater

Solid tailgate
- With mechanical locking mechanism for safe transport
- Wide opening enables quick discharge
- On wagons without dosing unit:
  - With integrated pressure switch for the full indicator
- On wagons with dosing unit:
  - Lower beater deflects to the rear when the wagon is full and stops the transport floor feed via a sensor

ISOBUS control

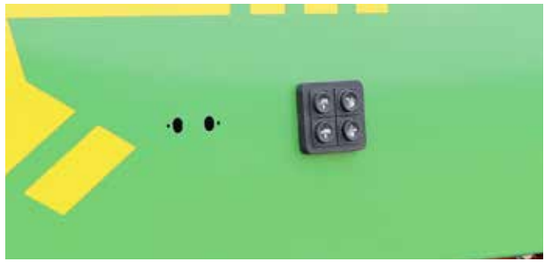
With the ISOBUS control system from Strautmann, you have all the machine functions fully under control at all times. The software's particularly intuitive user interface is divided into loading and unloading mode and road travel mode. The buttons are ergonomically arranged and ensure convenient and safe operation of the machine functions. Numerous automatic functions such as the automatic front panel, automatic drawbar etc. ensure intuitive and convenient operation of the machine.

ISOBUS-TERMINALS

Thanks to the compatibility of the Strautmann ISOBUS control system, a wide variety of terminals can be used for the Strautmann forage wagons. Depending on the tractor type, all machine functions can also be operated via the tractor joystick.

STRAUTMANN USER TERMINALS

- Optional
- 5.7 inch colour display
- Optimum control of the loading and unloading process and safe road travel



Keypad for ISOBUS control

- External control for articulated drawbar and cutting unit
- Convenient handling during maintenance work such as knife changes
- Standard equipment

Optimally equipped
Safe on all tracks and roads

Folding mesh cover
- Optional
- Cover for silage transport without any losses
- Hydraulic actuation via ISOBUS control
- Overlap in the centre ensures complete cover-age

Camera systems
- Rear-view camera and/or cargo space camera available
- Rear-view camera provides additional safety when travelling on the road
- Easier manoeuvring
- Cargo space camera facilitates good load distri-bution in the wagon by providing an optimum overview of the available loading capacity

LED rear lights
- Particularly bright and highly visible rear lights
- More safety on the road – even at night
- Additional side-marker lights increase your own visibility in the dark

LED light strips
- For cargo space lighting
- Standard equipment
- Enable an excellent view into the cargo space even in the dark

LED work lights
- 2 work lights at the rear as standard
  → For optimum visibility to the rear
- 2 work lights behind the loading unit as standard
  → Optimum illumination of the area next to the machine or the cutting unit when chang-ing knives

Safe & convenient
On the road and in the field

Different chassis options
ensure optimum driving comfort and safety at all times:

Boogie tandem chassis
- With steered trailing axle as standard
- Maximum tyre size 800/45 R 26.5
- Large pendulum radius

Hydraulic tandem chassis
- Optional
- Maximum tyre size 800/45 R 30.5
- 20 t permissible axle load
- Improved driving comfort at high speeds
- Even load distribution on all wheels
- Optional suspension for the best handling characteristics
- Good stability on slopes

Steered trailing axle
- Prevents excessive friction of the wheels on the ground
- Protects the sward and reduces tyre wear
- Automatic locking of the trailing axle steering system when reversing
- Very manoeuvrable thanks to 18° steering angle

See the machines in action:

Just scan the QR code or visit the Strautmann YouTube channel.

Electronic, contactless forced steering
- Optional
- Electro-hydraulic forced steering without steering rods for maximum steering angle when travelling forwards and backwards
- The SES system (''Strautmann Electronic Steering'') offers high driving stability
- Speed-dependent steering angle adjustment
- Very high manoeuvrability of the Magnon

Mechanical forced steering
- Optional
- Active steering via mechanical steering rods on the drawbar when travelling forwards and backwards

Easily aim high
- Hydraulic articulated drawbar for bottom linkage as standard
- With double-acting cylinders
- For convenient and easy travelling over the silo
- With hydraulic drawbar suspension as standard
- Up to 4 tonnes of drawbar load
- Short propeller shaft due to intermediate bearing on the drawbar
  → Long service life and smooth running

Technical data Magnon 8

	Magnon 8-370 without DO / with DO with 710/50 R 26.5 tyres	**Magnon 8-410** without DO / with DO with 710/50 R 26.5 tyres
Dimensions		
Height (without 90 mm extension) [m]	3.90	3.90
Length [m]	9.25	9.90
Outside wheel width [m]	2.81	2.81
Cargo space dimensions		
Height [m]	2.08	2.08
Height [m] (with 90 mm extension)	2.17	2.17
Width [m]	2.25	2.25
Length [m]	6.52	7.17
Dead weight		
Dead weight, standard equipment [kg]	10.200 / 10.700	10.600 / 11.100
Gross vehicle weight rating		
Gross vehicle weight rating, standard equipment [kg]	22,000	22,000
Gross vehicle weight rating, optional equipment [kg]	24,000	24,000
Power required		
Power required from [kW/hp]	110/150	125/170
Loading capacity, medium compaction		
Loading capacity, medium compaction [m^3]	67/63	74/70
Loading capacity according to DIN 11741		
Loading capacity according to DIN 11741 [m^3]	36/34	40/38
Additional data		
Conveying unit type	Rotor	Rotor
Number of knives [pcs.]	47	47
Picking-up width of pick-up [m]	2.12	2.12
Theoretical cutting length [mm]	35	35

Figures, technical data and weights may change due to technical development and are not binding for delivery.

Technical data Magnon 9

	Magnon 9-370 without DO / with DO with 710/50 R 26.5 tyres	**Magnon 9-410** without DO / with DO with 710/50 R 26.5 tyres
Dimensions		
Height (without 90 mm extension) [m]	3.90	3.90
Length [m]	9.25	9.90
Outside wheel width [m]	2.81	2.81
Cargo space dimensions		
Height [m]	2.08	2.08
Height [m] (with 90 mm extension)	2.17	2.17
Width [m]	2.25	2.25
Length [m]	6.52	7.17
Dead weight		
Dead weight, standard equipment [kg]	10,600 / 11,100	11,000 / 11,500
Gross vehicle weight rating		
Gross vehicle weight rating, standard equipment [kg]	22,000	22,000
Gross vehicle weight rating, optional equipment [kg]	24,000	24,000
Power required		
Power required from [kW/hp]	130/180	150/200
Loading capacity, medium compaction		
Loading capacity, medium compaction [m^3]	67/63	74/70
Loading capacity according to DIN 11741		
Loading capacity according to DIN 11741 [m^3]	36/34	40/38
Additional data		
Conveying unit type	Rotor	Rotor
Number of knives [pcs.]	77	77
Picking-up width of pick-up [m]	2.12	2.12
Theoretical cutting length [mm]	22	22

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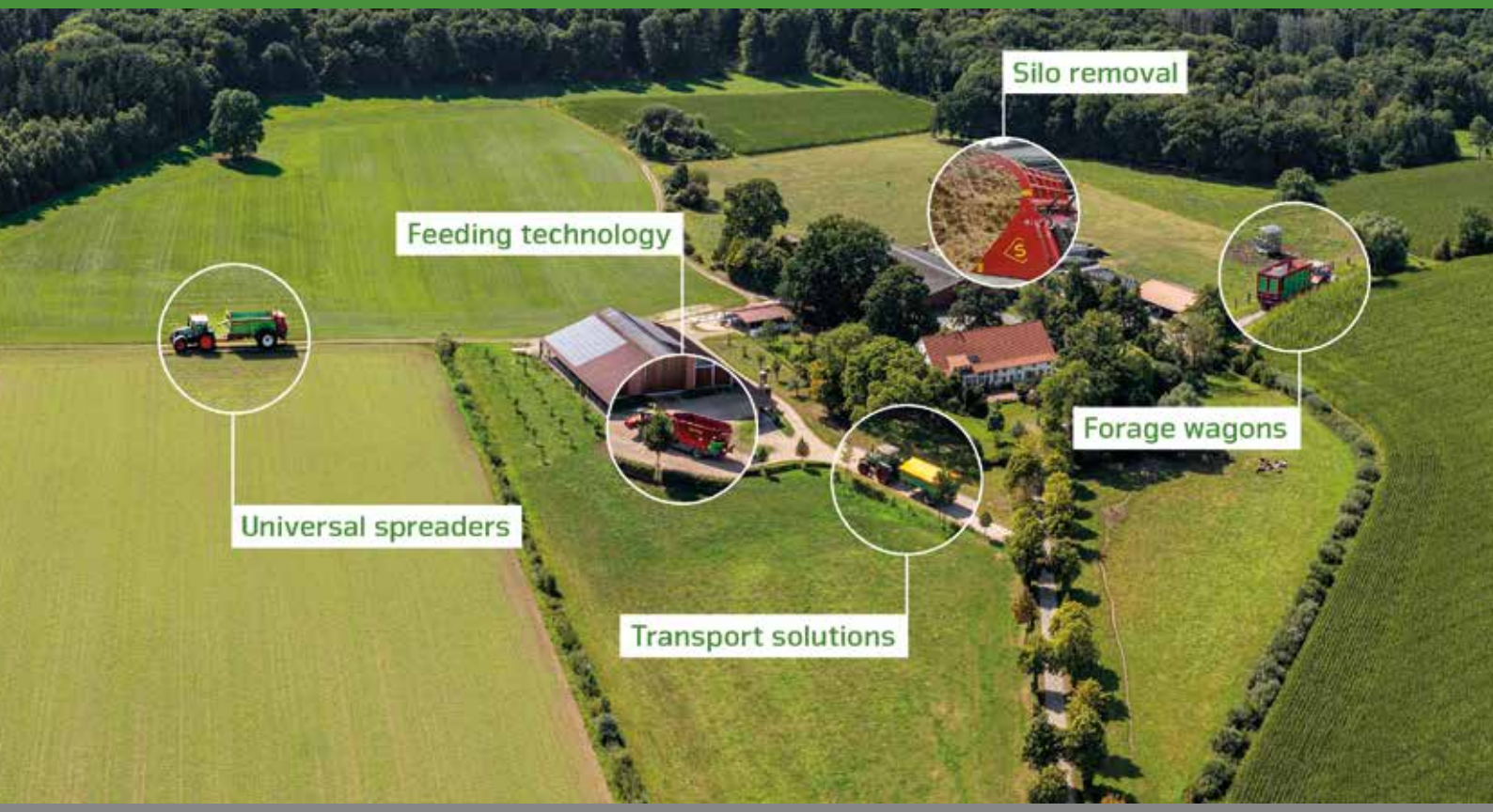
Our solutions for your business at a glance:



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