



Multi-purpose forage wagon

Magnon 11
Magnon 10



High-performance forage wagon in the premium segment

Magnon 10 and Magnon 11



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

Large-scale superstructure with swivelling front panel for high transport capacity

Minimum wear and optimum adaptation to the ground due to the innovative Flex-Load pick-up with plastic tines

Hydraulically powered pick-up with automatic speed control for all harvesting conditions

Efficient charging by means of the unique Continuous Flow System

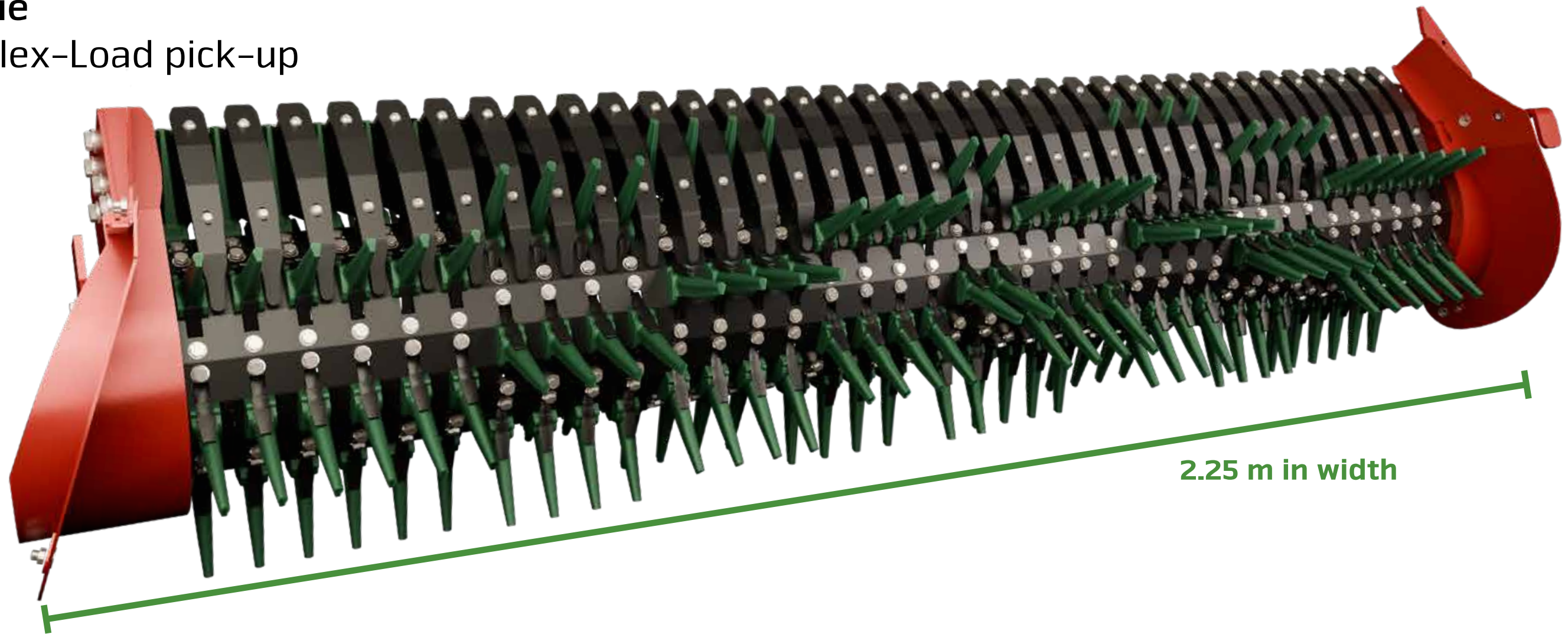
Exact cutting by means of the proven Exact-Cut cutting unit

Magnon 10 and Magnon 11

The Magnon series are well-known for their high harvesting performance and excel at the silo by high discharge speeds due to the proven swivelling front panel. The Flex-Load pick-up ensures a high degree of fodder quality with low wear. Thus, this new forage wagon generation is setting new standards in terms of throughput rate, power and fodder quality. The two top models Magnon 10 and Magnon 11 combine these advantages with their large loading capacity and other features making these forage wagons truly professional machines. Furthermore, the Magnon 11 excels by its extremely short cutting length of only 22 mm.

- Loading capacity 38 – 52 m³
- 35 or 22 mm theoretical cutting length
- Flex-Load pick-up with hydraulic drive
- Continuous Flow System
- integral rotor

Unique The Flex-Load pick-up



Flexible charging – Saving time and effort

The unique Flex-Load pick-up is the result of decades of experience in the field of silage wagons. Due to the innovative plastic tines, an unprecedented resistance to wear is achieved. The flexible tines are hard enough to perfectly pick up the material from the swathe, but also flexible enough to adapt to the ground, thus minimising wear and saving costs and effort.



Wide pick-up

- Pick-up width 2.25 m
- Flat standing pick-up for optimum adaptation to the ground
- Camless with only a few movable parts for minimum wear
- Road travel possible without folding of guide wheels
- Homogeneous fodder intake due to double roller holding-down device



Flexible plastic tines

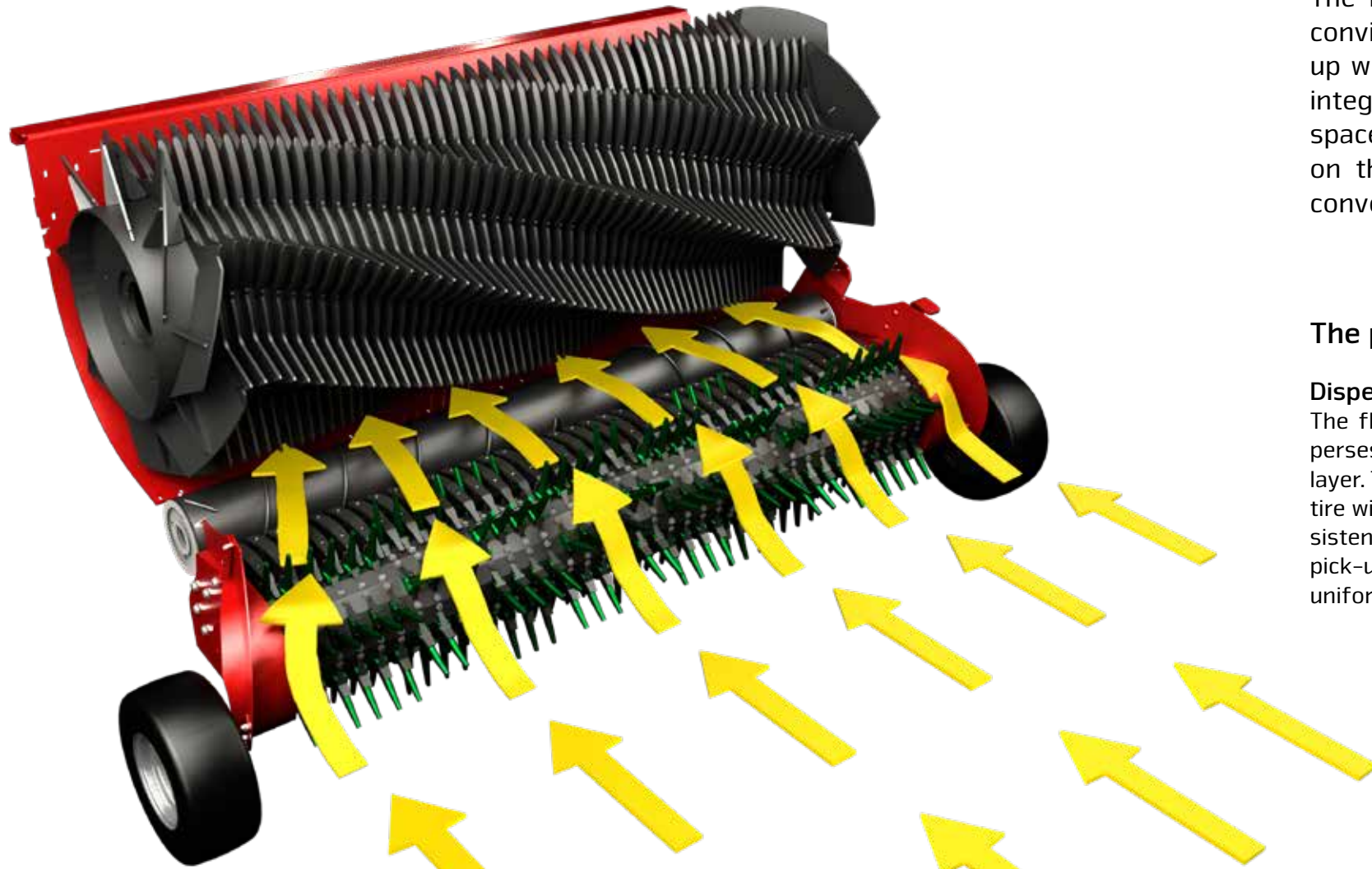
- Special PUR composition
- 6 helically arranged tine-segment rows
- Tines are horizontally flexible, vertically rigid to ensure safe picking-up
- Ideal adaptation to the ground
- Penetration into the ground is prevented, thus avoiding contamination of fodder
- Minimum wear and hardly any tine breakage
- Change of tines within one minute with only one tool required

Your advantages

- + Less breakage of tines
- + Minimised tine wear
- + Change of tines in less than one minute
- + Ideal adaptation to the ground
- + Optimum protection of soil
- + Less contamination of fodder

A perfect material flow

The Continuous Flow System with integral rotor



The Magnon series are Strautmann's premium forage wagon series. The conveying unit convinces by maximum performance. The unique Flex-Load pick-up excels by a picking-up width of 2.25 m and optimum interaction with the proven Continuous Flow system. The integral rotor conveys even large swathes reliably through the cutting unit into the cargo space. Of course, you can rely on the usual advantages such as homogeneous load exerted on the components, optimum cutting quality and smooth operation of the Strautmann conveying unit.

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.

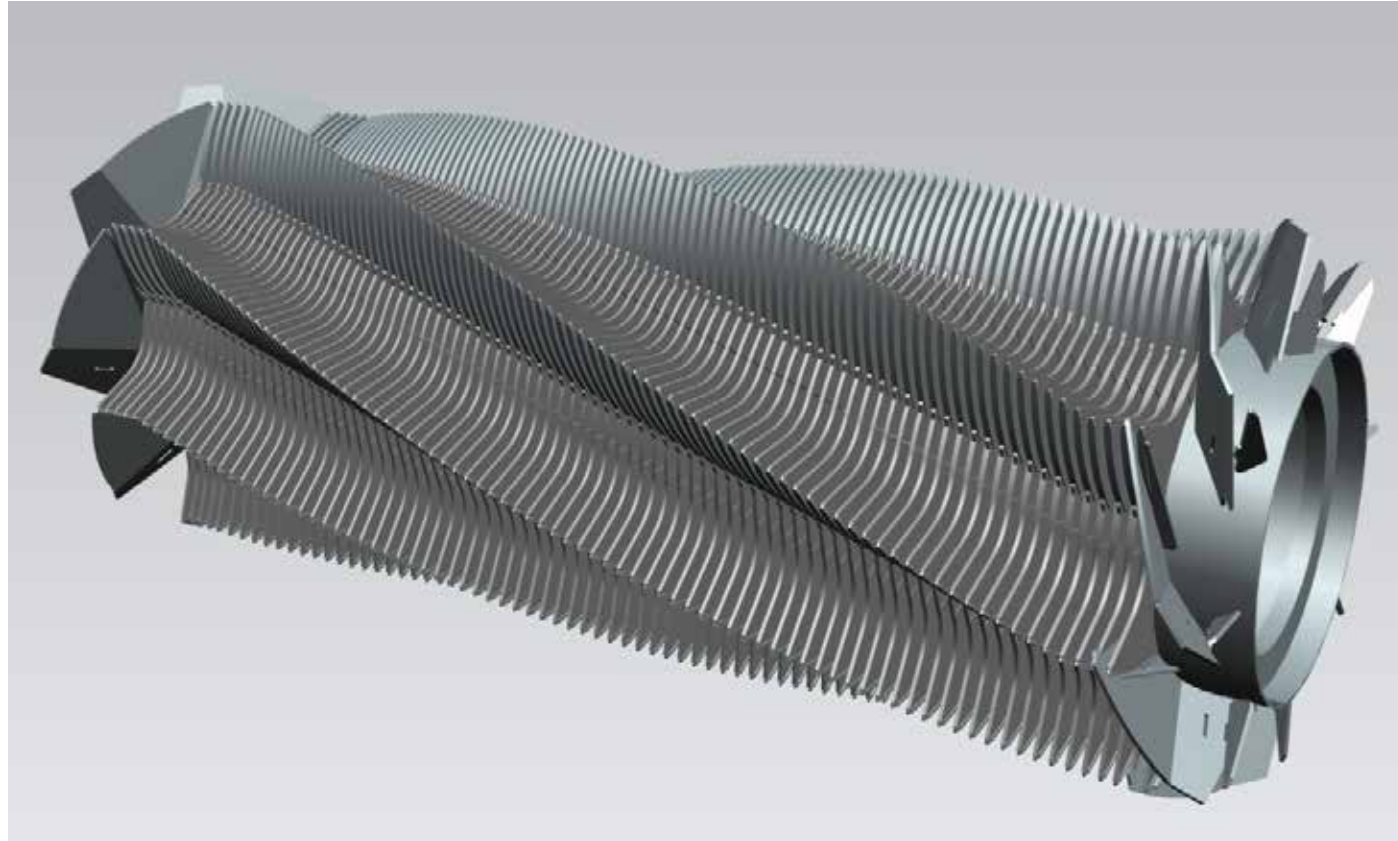
Optimum load distribution over the entire width

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.

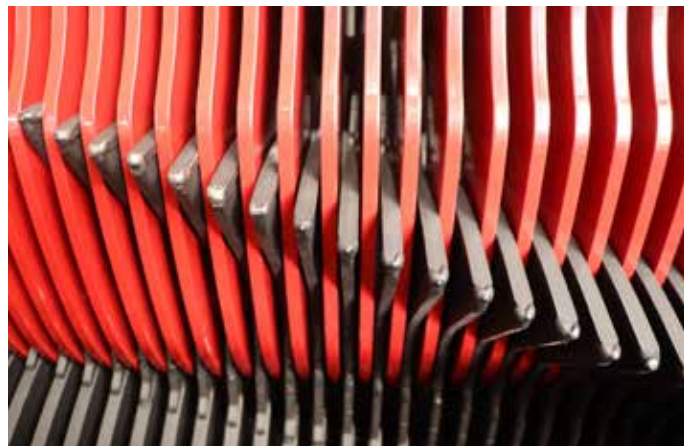


Reliable material flow

The integral rotor



The 2100 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 guide 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



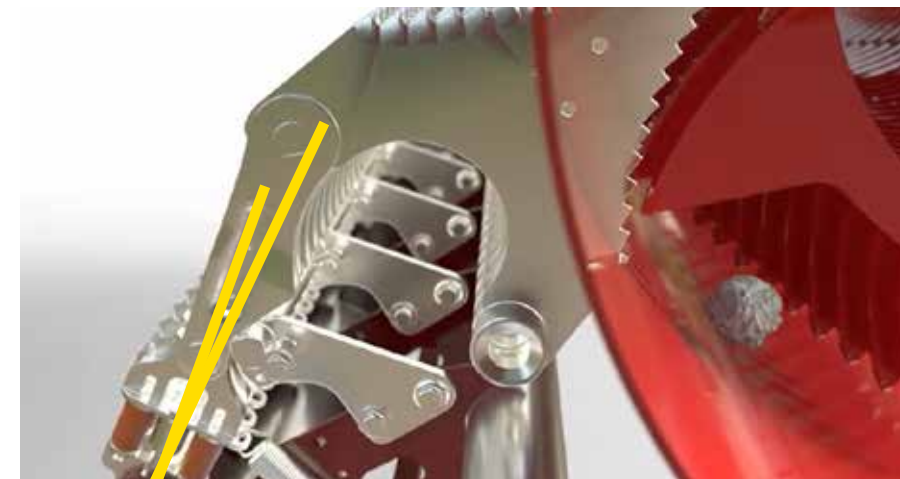
Knife changes made easy

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

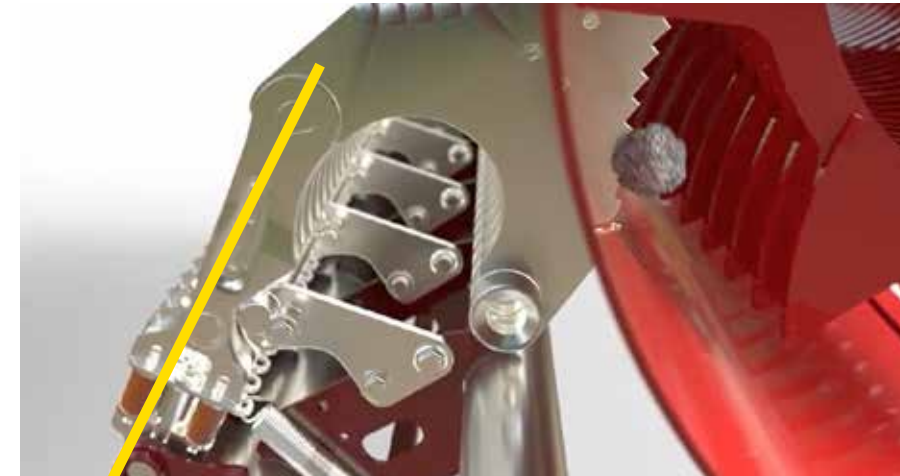
Knife protection system with triggering point

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 10: The easy-towing high-performance wagon in the premium segment



Cutting unit

- Proven Exact-Cut cutting unit with 52 knives and two blades each for double the service life
- 35 mm theoretical cutting length
- Outstanding easy towing and maximum throughput rate under any conditions



Rotor

- 1890 mm conveying width
- 105 mm wide integral parts
- 17 mm wide Hardox tine plates with overlay weld ensure consistent exact cut
- Strippers and tines are arranged at a large angle to each other
- 14 mm wide rotor strippers ensure largest possible stripping surface and optimum protection of fodder
- Tine rings continuously welded to rotor tube



Rotor drive

- 2200 Nm protection for trouble-free operation under any conditions
- Rotor drive via oil-bath gearbox and planetary set integrated in the rotor
- Reduction of speed only shortly in front of rotor → Reduced torque load in the power train

Technical modifications reserved



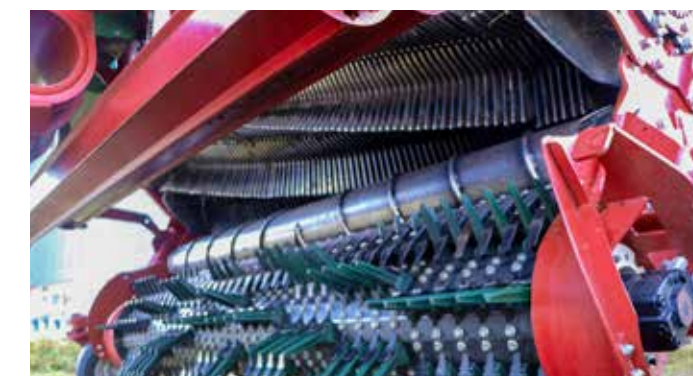
Magnon 11: No one cuts shorter!

Shorter cutting – Better feeding!



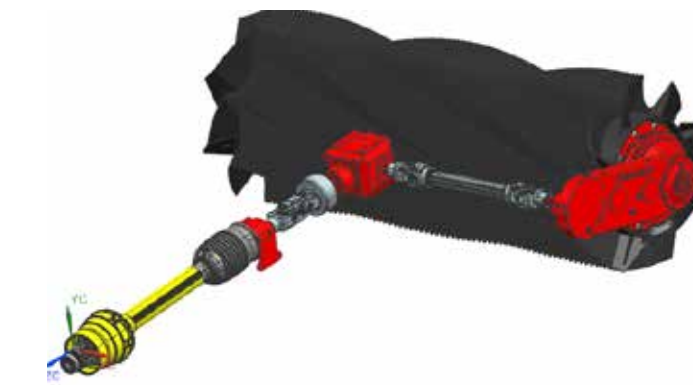
Cutting unit

- Proven Exact-Cut cutting unit with 84 knives and two blades each for double the service life
- 22 mm theoretical cutting length
- Perfect fodder quality due to shortest cutting length on the market



Rotor

- 1890 mm conveying width
- 105 mm wide integral parts
- 10 mm wide tine plates with overlay weld ensure scissor-like cut
- 8 mm wide rotor strippers ensure largest possible stripping surface and optimum protection of fodder
- Rotor tines and tine plates made of Hardox for maximum operational reliability
- Tine rings continuously welded to rotor tube



Rotor drive

- Drive gears in reinforced design ensure reliable power transmission
- Long service life of the individual components
- Transmission of highest tractor performances by means of 3000 Nm protection possible

Technical modifications reserved



Magnon 11: The best for you and your animals!

Your advantages at a glance



- Faster distribution and utmost compaction of the crops in the silo
- Savings in rolling time
- Reliable and optimum silage of fodder
- Considerable increase and ensuring of fodder quality
- Increased fodder intake and improved animal health increase the herd's milk yield
- Short cutting length ensures a noticeably higher load capacity in the cargo space
- Lower transport costs and faster harvesting
- Short cutting length is no longer a unique feature for the forage harvester
- Use of the forage wagon even by customers who attach importance to a very short cutting length
- Higher utilisation of the forage wagon



The Magnon 11 enormously increases the profitability of contractor and farmer!



Robust and intelligent design

Superstructure & floor



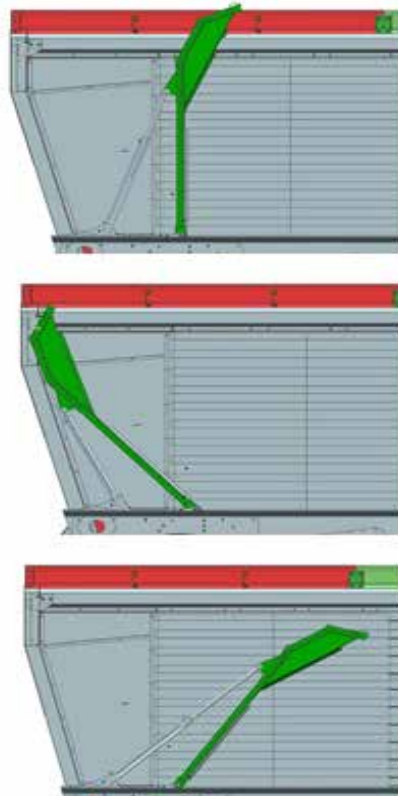
Solid all-steel superstructure

- Continuous side panels with reinforced side posts provide stability
- Suitable for combined use
- 90 mm extension with 26.5" tyres for maximum loading capacity



Easy access

- Convenient six-foot access door
- Convenient access to the cargo space
- Safe entry due to non-slip steps



Hydraulically swivelling front panel

- Is swivelled into the cargo space for optimum compaction of material during charging
- When the cargo space is completely filled up to the rear, the front panel automatically swivels to the front
- 5 m³ of additional loading capacity are provided
- During discharge, the front panel completely swivels to the rear and accelerates the discharge procedure



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

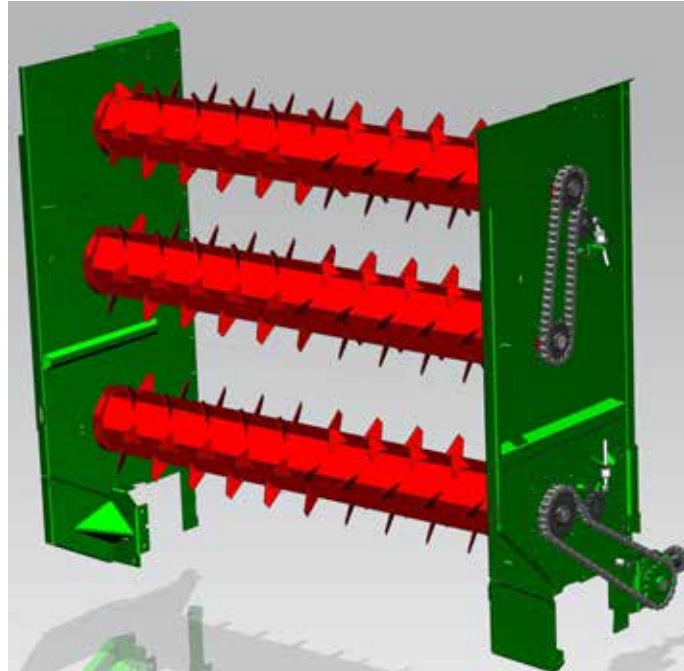
- Perfect protection against corrosion for a long service life
- Transport floor with two chain lines
- In conjunction with low-wear link chains
- Transport floor chains welded with sturdy square tubes
- Fast and safe transport of the crop
- Driven by toothed drive gears on both sides with powerful oil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

Efficient discharge With or without dosing unit



Effective beaters

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

Robust drive

- Driven by large-sized roller chains
- Safety switch-off at the bottom beater



Technical modifications reserved



Sturdy tailgate

- With mechanical locking mechanism for safe transport
- Wide opening enables quick discharge
- On wagons without dosing unit:
 - With integrated pressure switch for the level indicator
- On wagons with dosing unit:
 - When the wagon is full, the bottom beater evades to the rear, thus stopping the transport floor feed via a sensor



Technical modifications reserved



ISOBUS control

The Strautmann ISOBUS control helps you to have all machine functions under control at any time. The particularly intuitive operator panel of the software is divided into charge and discharge mode and road travel mode. The keys are arranged ergonomically and ensure comfortable and safe operation of the machine functions. Numerous automatic functions such as e.g. automatic front panel, automatic drawbar etc. ensure intuitive and comfortable machine operation.

ISOBUS TERMINALS



Due to the compatibility of the Strautmann ISOBUS control (ISOBUS AEF certification), most varied terminals can be used for the Strautmann forage wagons. Thus, depending on the tractor type, all machine functions can also be operated via the tractor joystick.

STRAUTMANN CONTROL SETS



- Optionally available
- 5.7" coloured screen
- Optimum control of the charging and discharging process and safe road travel



Keypad for ISOBUS control

- External control of cutting unit and folding drawbar
- Comfortable handling during maintenance work e.g. change of knives
- Standard equipment

Technical modifications reserved

Optimally equipped Safe on all tracks and roads



Folding mesh cover

- Optional
- Cover for silage transport without any losses
- Hydraulic actuation via ISOBUS control
- Central overlapping ensures complete covering



Camera systems

- Rear-view camera and/or cargo space camera available
- Rear-view camera provides additional safety during road travel
- Easier manoeuvring
- Cargo space camera improves the filling degree of the wagon due to optimum overview of available loading capacities



LED rear lights

- Particularly bright and easily visible rear lights
- More safety in road traffic – even at night
- Additional side-marker lights increase own visibility in the dark



LED light strips

- For the 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 of the cutting unit when changing knives

Safety & comfort

On the field and on the road

Different chassis options
ensure optimum driving comfort and safety at any time:



Hydraulic tandem chassis

- Standard equipment
- For an admissible axle load of 20 t
- Improved driving comfort at high speeds
- Even load distribution between all wheels
- Optional suspension for perfect driving characteristics
- 30.5" tyres for maximum protection of soil



Hydraulic tridem chassis

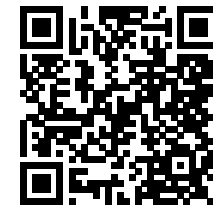
- Standard equipment on Magnon 10-530 and 11-530 (30 t admissible axle load)
- Optional equipment on Magnon 10-470 and 11-470 (27 t admissible axle load)
- Improved driving comfort at high speeds
- Even load distribution between all wheels
- Optional suspension for perfect driving characteristics
- 30.5" tyres for maximum protection of soil



Passive steering axle

- Standard equipment with tandem chassis
- Excessive friction of the wheels on the ground is prevented
- Protection of sward and low tyre wear
- Automatic locking of passive steering during reverse travel
- Very easy to manoeuvre due to a steering angle of 18°

See 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 10

	Magnon 10-390 without D0/with D0 with 710/50 R26.5 tyres	Magnon 10-430 without D0/with D0 with 710/50 R26.5 tyres	Magnon 10-470 without D0/with D0 with 710/50 R 26.5 tyres	Magnon 10-530 without D0/with D0 with 710/50 R 26.5 tyres
Dimensions [m]				
Height (without extension 90 mm)	3,90	3.90	3.90	3.90
Length	9,25	9.90	10.53	11.78
Outside wheel width	2,81	2.81	2.81	2.81
Cargo space dimensions [m]				
Height (without extension 90 mm)	2,08	2.08	2.08	2.08
Width	2,40	2.40	2.40	2.40
Length	6,52	7.17	7.80	9.05
Dead weight [kg]				
Dead weight, standard equipment	10.600	11100	11700	13600
Gross vehicle weight rating [kg]				
Gross vehicle weight rating	24.000	24000	24000	34000
Admissible tongue load	4.000	4000	4000	4000
Axle load	20.000	20000	20000	30000
Power required [kW/HP]				
Power required from	132/180	140/190	154/210	176/240
Loading capacity, medium compaction [m³]				
medium compaction	72 / 68	78 / 74	86 / 82	97 / 93
Loading capacity according to DIN 11741 [m³]				
with extension	38 / 36	42 / 40	46 / 44	52 / 50
without extension	36,6 / 34,6	40.5 / 38.5	44.3 / 42.3	50/ 48
Additional data				
Conveying unit type	Rotor	Rotor	Rotor	Rotor
Rotor width [mm]	2.100	2100	2100	2100
Conveying width [mm]	1.890	1890	1890	1890
Integral part [mm]	105	105	105	105
Number of knives [pcs.]	52	52	52	52
Picking-up width of pick-up [m]	2,25	2.25	2.25	2.25
Theoretical cutting length [mm]	35	35	35	35

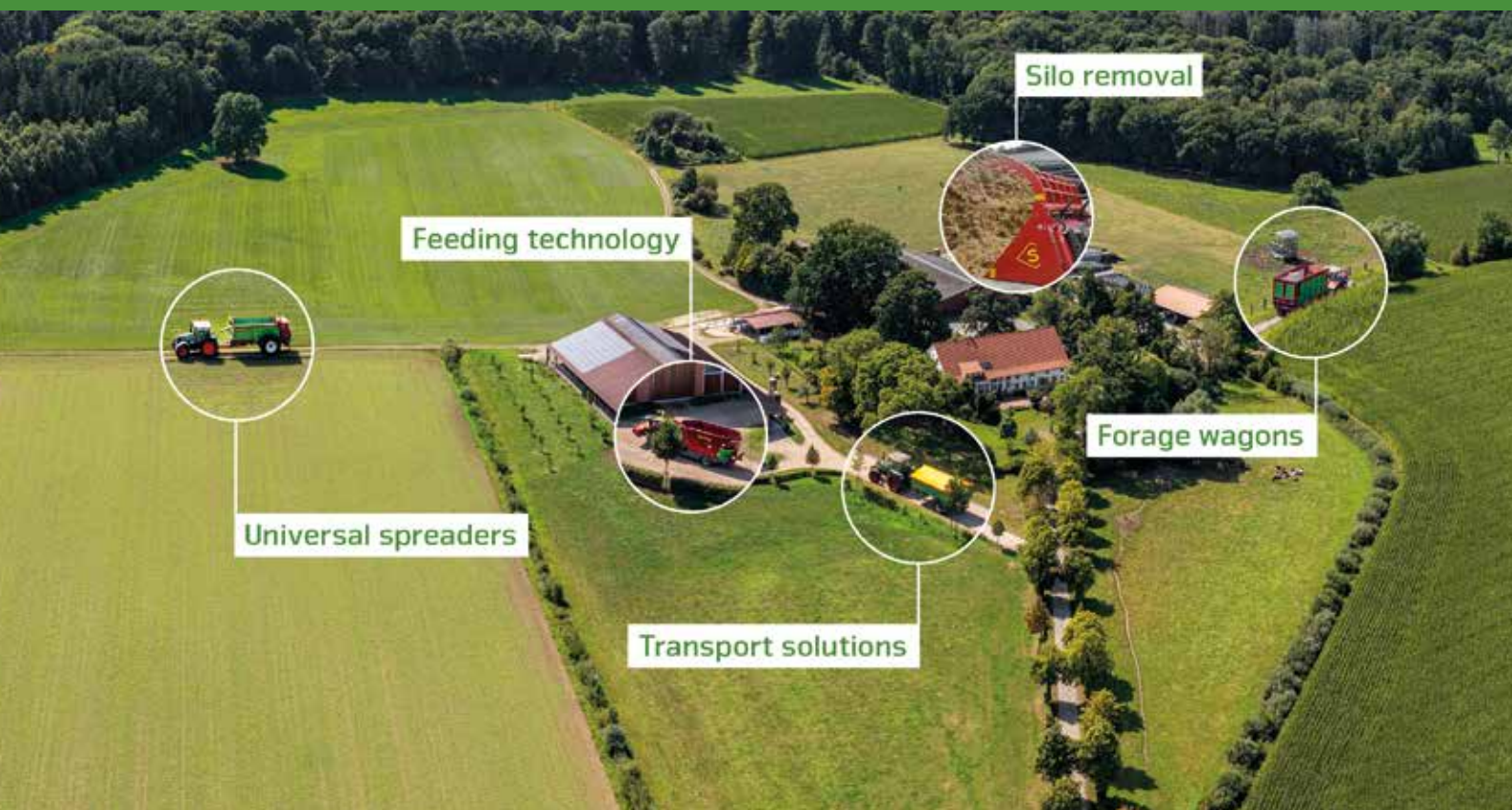
Figures, technical data and weights may change due to technical development and are not binding for delivery.

Technical data Magnon 11

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Dimensions [m]				
Height (without extension 90 mm)	3,90	3.90	3.90	3.90
Length	9,25	9.90	10.53	11.78
Outside wheel width	2,81	2.81	2.81	2.81
Cargo space dimensions [m]				
Height (without extension 90 mm)	2,08	2.08	2.08	2.08
Width	2,40	2.40	2.40	2.40
Length	6,52	7.17	7.80	9.05
Dead weight [kg]				
Dead weight, standard equipment	11.000	11500	12100	14000
Gross vehicle weight rating [kg]				
Gross vehicle weight rating	24.000	24000	24000	34000
Admissible tongue load	4.000	4000	4000	4000
Axle load	20.000	20000	20000	30000
Power required [kW/HP]				
Power required from	158 / 215	170 / 230	185 / 250	210 / 285
Loading capacity, medium compaction [m³]				
medium compaction	72 / 68	78 / 74	86 / 82	97 / 93
Loading capacity according to DIN 11741 [m³]				
with extension	38 / 36	42 / 40	46 / 44	52 / 50
without extension	36,6 / 34,6	40.5/38.5	44.3 / 42.3	50/ 48
Additional data				
Conveying unit type	Rotor	Rotor	Rotor	Rotor
Rotor width [mm]	2.100	2100	2100	2100
Conveying width [mm]	1.890	1890	1890	1890
Integral part [mm]	105	105	105	105
Number of knives [pcs.]	84	84	84	84
Picking-up width of pick-up [m]	2,25	2.25	2.25	2.25
Theoretical cutting length [mm]	22	22	22	22

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Our solutions for your business at a glance:



www.straumann.com

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