

STRAUTMANN



Multi-purpose forage wagon

Magnon 11
Magnon 10



High-performance forage wagon in the premium segment

– Magnon 10 and Magnon 11

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

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



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.

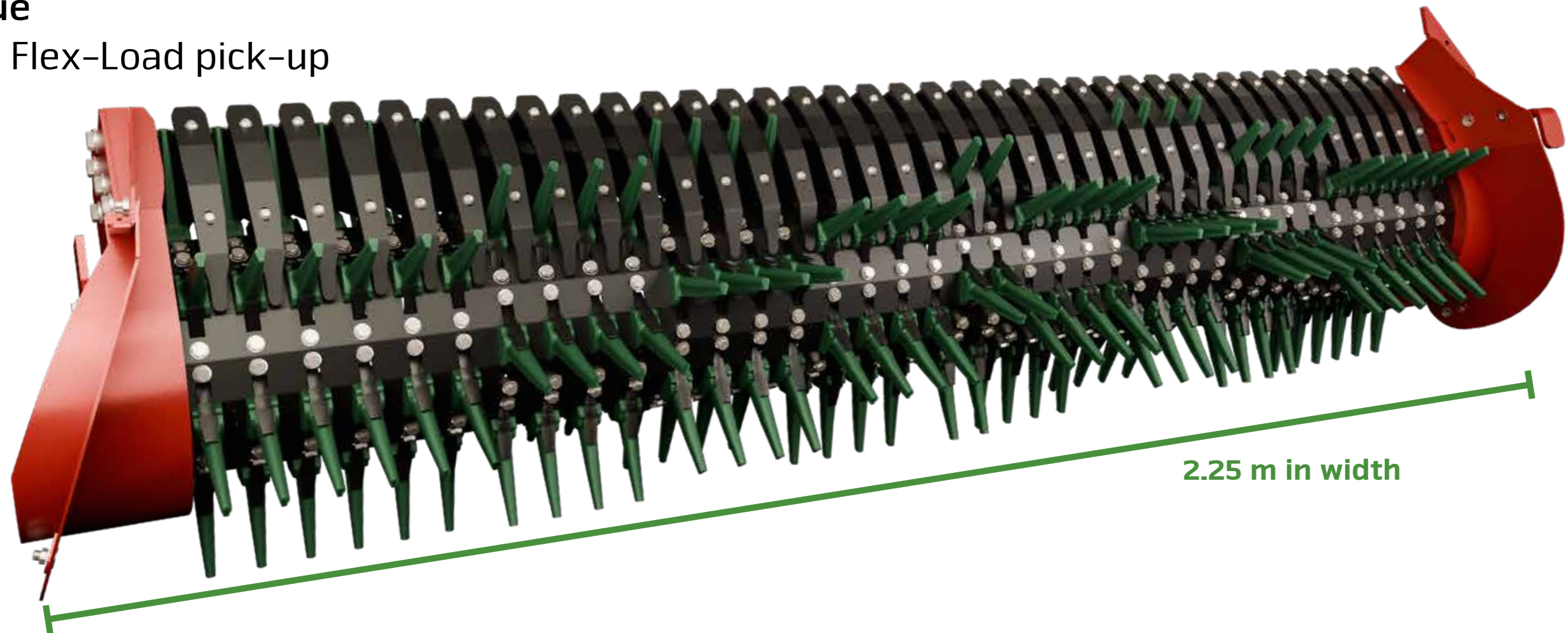
- Loading capacity 42 – 52 m³
- 35 or 22 mm theoretical cutting length
- Flex-Load pick-up with hydraulic drive
- Continuous Flow System
- integral rotor

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Unique

– The Flex-Load pick-up



Flex-Load Pick-up

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

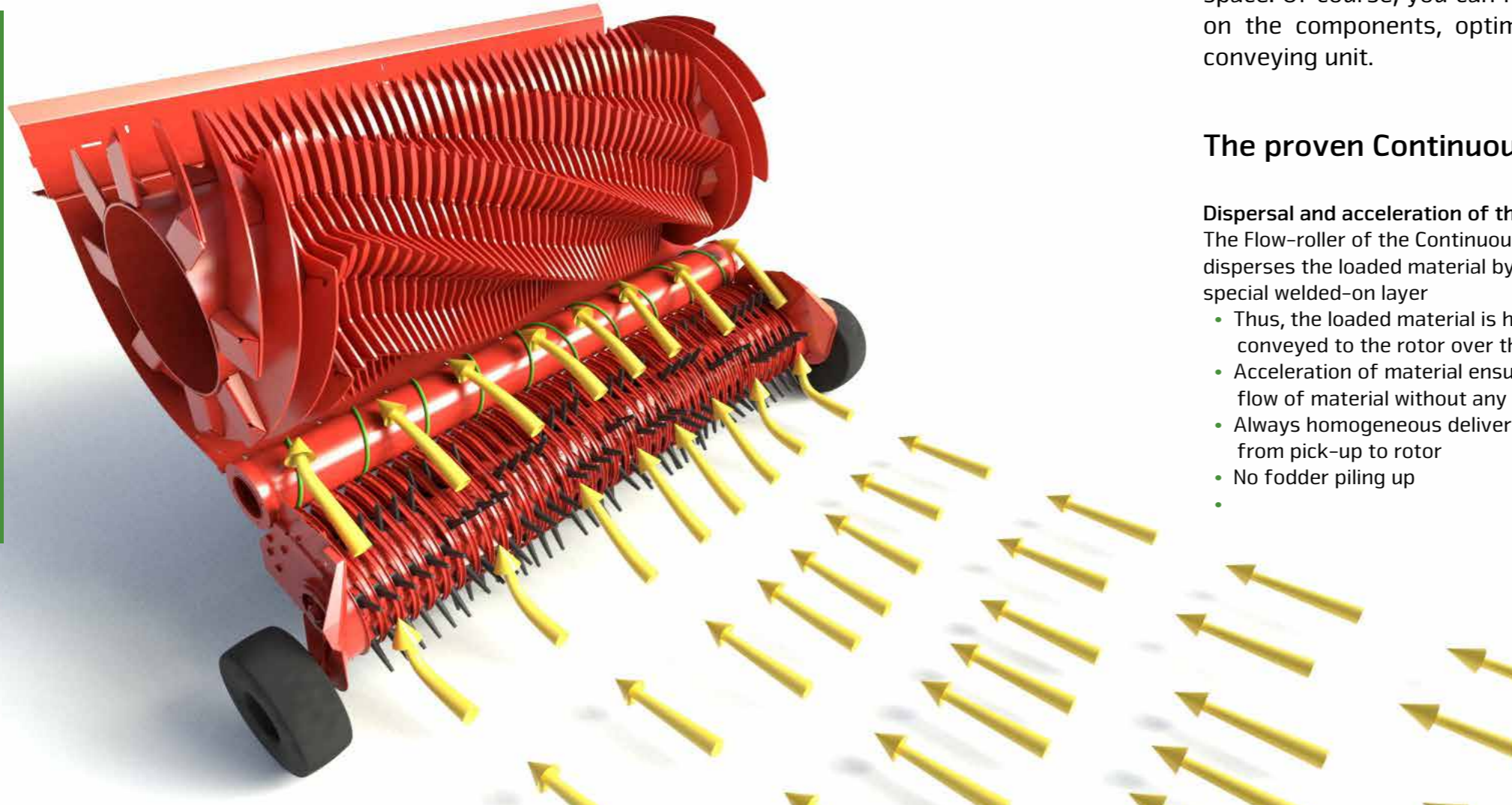
- Special PUR composition
- 6 helically arranged tine-segment rows
- Tines are horizontally flexible, vertically rigid to ensure safe picking-up
- Ideal adaptation to the ground
- Penetration into the ground is prevented, thus avoiding contamination of fodder
- Minimum wear and hardly any tine breakage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

The Flow-roller of the Continuous Flow system disperses the loaded material by means of the special welded-on layer

- Thus, the loaded material is homogeneously conveyed to the rotor over the entire width
- Acceleration of material ensures homogeneous flow of material without any hesitation
- Always homogeneous delivery of loaded material from pick-up to rotor
- No fodder piling up
-

Optimum filling degree over the entire width

- Reduced power requirement due to higher positioned rotor and thus shortened conveyor duct
- The material is conveyed into the cargo space over its entire width
- Maximum and homogeneous filling degree = more weight per m³
- Quicker charging with less power required



Consistently outstanding cutting quality

- The Exact-Cut cutting unit

Exact-Cut cutting unit



Exact-Cut cutting unit

- Almost maintenance-free design reduces maintenance costs
- Central knife-locking mechanism enables quick knife change
- Automatic wayback ensures high driving comfort and consistent cutting quality
- Knives with two blades as standard

Knife change made easy



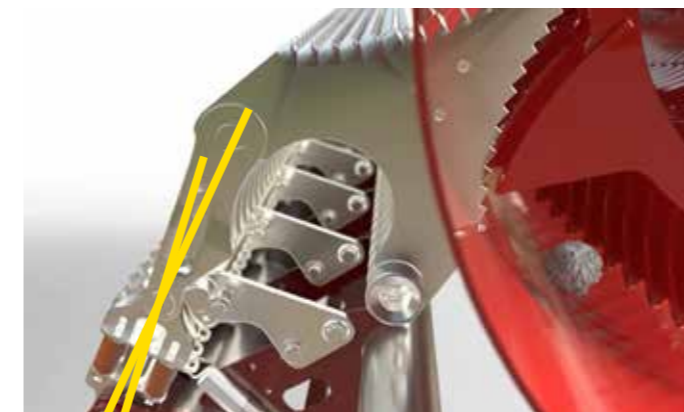
Change of knives

- Knife bar can be hydraulically swivelled in and out from the outside
- Easy knife change
- Enclosed extraction lever for easy and quick removal:
 - Lever is inserted in the knife protection system
 - With light pressure to the front, the knife slips off the locking shaft



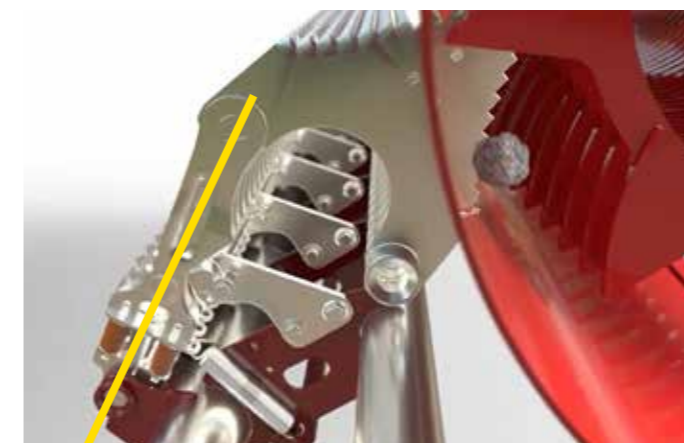
Knife protection system with spot-on triggering

The new knife protection system in Strautmann forage wagons is equipped with a spot-on triggering function and is particularly low-maintenance. The knife is completely retracted from the conveyor duct in case of contact with a foreign object, thus minimising damage to the knife blades.



Knives in conveyor duct

- Knife protection system fallen under dead point
- Knives are held in the duct



In case of contact with a foreign object

- Rubber dampers are compressed
- Knife protection system reaches dead point
- Spring for the wayback mechanism is tensioned



Actuation of protection system

- Knife protection system has passed dead point
- Knife retracts completely
- Spring for the wayback mechanism is tensioned at its maximum

Automatic wayback

When the counter-force of the foreign object decreases or does no longer exist, the spring automatically retracts the knife into the conveyor duct

Exact-Cut cutting unit



Magnon 10

Magnon 11

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!



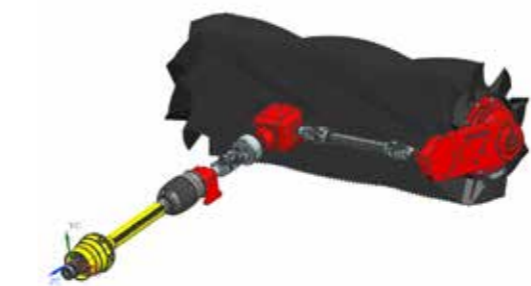
Cutting unit

- 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!

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

Robust and intelligent design

– Superstructure & floor



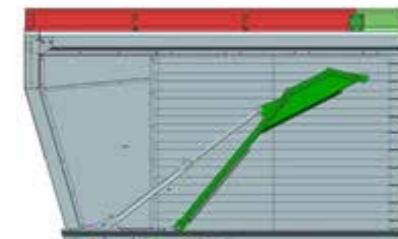
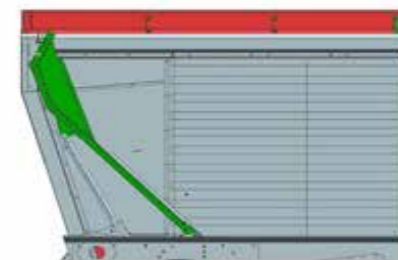
Solid all-steel superstructure

- 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 filling degree

- Load-protection bars prevent the fodder from overflowing
- Automatic charging system by means of sensing band in the front panel as standard
- Deflected feelers start the transport floor
- Optimum filling due to adjustment of filling degree



Steel floor

- In combination with low-wear plate-link chains
- Transport floor chains welded with robust square pipes
- Faster and safer transport of material
- Drive via two-sided feed gearing with powerful oil motors
- The bottom plates are protected by means of screwed wearing rails

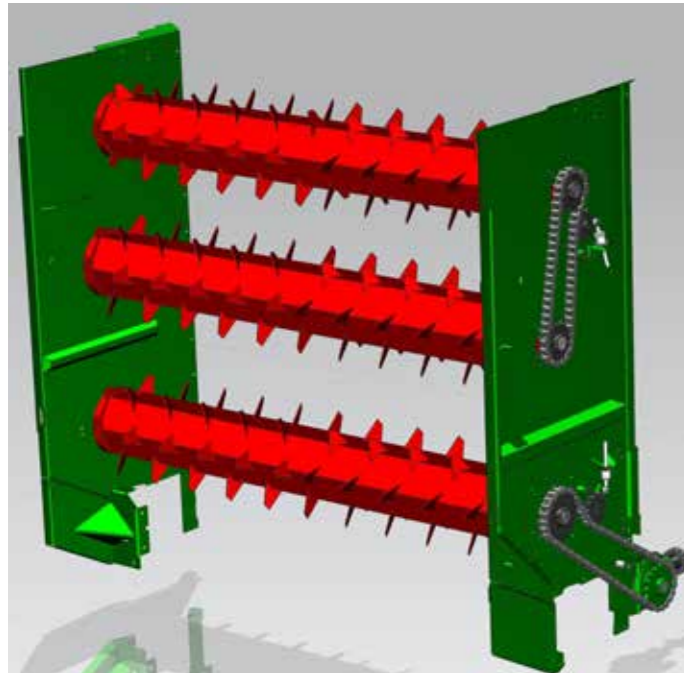


Practical maize plate

- Closure of conveyor duct for use as a multi-purpose wagon
- Prevents the loaded material from falling into the rotor duct
- Can be easily and quickly mounted

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

Optimally equipped

– Safe on all tracks and roads



Optional extras

Optional extras



Folding mesh cover

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



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



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 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 conveying unit are optionally available
 - 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 on Magnon 10-430, 11- 430, 10-470 and 11-470
- 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.



Mechanical forced steering axle

- Optional equipment with tandem chassis
- Standard equipment with tridem chassis
- Active steering also during reverse travel



Electronic forced steering axle

- Optional equipment with tandem and tridem chassis
- The SES system ("Strautmann Electronic Steering") provides a high degree of driving stability
- Adjustment of steering angle to the speed
- Excellent manoeuvrability of the Magnon



Aim high the easy way

- Hydraulic folding drawbar for bottom linkage as standard
- With double-acting cylinders
- For comfortable and easy travelling over the silo
- Hydraulic drawbar suspension as standard
- Up to a tongue load of 4 t
- Short propeller shaft due to intermediate bearing on the drawbar
→ Long service life and smooth running

Technical data Magnon 10

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

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

Technical data Magnon 11

	Magnon 11-430 without DO / with DO with 710/50 R 26.5 tyres	Magnon 11-470 without DO / with DO with 710/50 R 26.5 tyres	Magnon 11-530 without DO / with DO with 710/50 R 26.5 tyres
Dimensions			
Height (without extension 90 mm) [m]	3.90	3.90	3.90
Length [m]	9.90	10.53	11.78
Outside wheel width [m]	2.81	2.81	2.81
Cargo space dimensions			
Height [m] (without extension 90 mm)	2.08	2.08	2.08
Width [m]	2.40	2.40	2.40
Length [m]	7.17	7.80	9.05
Dead weight			
Dead weight, standard equipment [kg]	11500	12100	14000
Gross vehicle weight rating			
Gross vehicle weight rating [kg]	24000	24000	34000
Admissible tongue load	4000	4000	4000
Axle load	20000	20000	30000
Power required			
Power required from [kW/HP]	170 / 230	185 / 250	210 / 285
Loading capacity, medium compaction			
Loading capacity, medium compaction [m ³]	78 / 74	86 / 82	97 / 93
Loading capacity according to DIN 11741			
Loading capacity with extension [m ³]	42 / 40	46 / 44	52 / 50
Loading capacity without extension [m ³]	40.5/38.5	44.3 / 42.3	50 / 48
Additional data			
Conveying unit type	Rotor	Rotor	Rotor
Rotor width [mm]	2100	2100	2100
Conveying width [mm]	1890	1890	1890
Integral part [mm]	105	105	105
Number of knives [pcs.]	84	84	84
Picking-up width of pick-up [m]	2.25	2.25	2.25
Theoretical cutting length [mm]	22	22	22

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www.strautmann.com

B. Strautmann & Söhne GmbH u. Co. KG



Bielefelder Straße 53
D-49196 Bad Laer
Phone: +49(0)5424/802-0
info@strautmann.com
www.strautmann.com