



Multi-purpose forage wagon

Magnon 9



The compact high-performance forage wagon for professionals

– The 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

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 9 stands out in particular due to its extremely short cutting length of just 22 mm in a compact design.

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

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

Efficient loading
with the unique Continuous Flow System

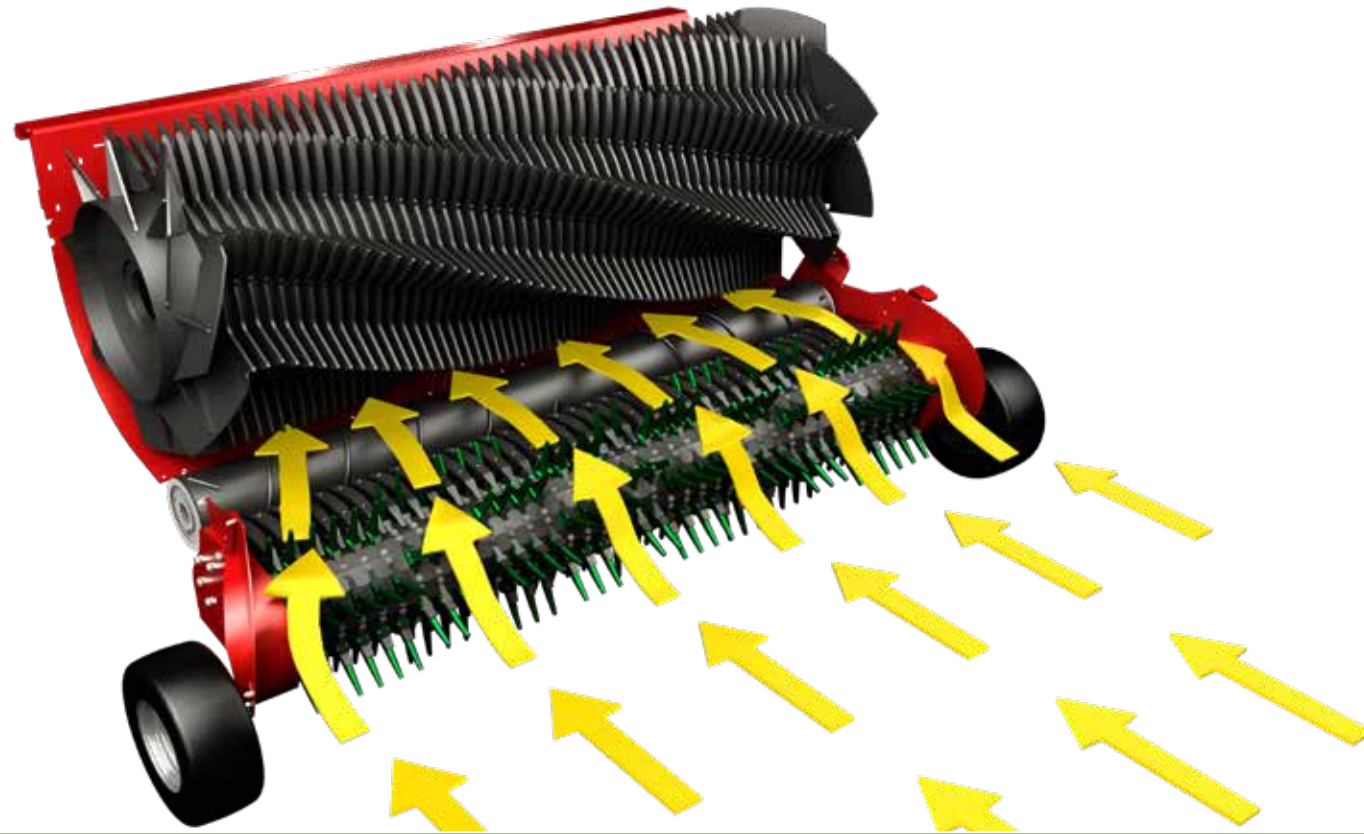
Exact cutting
with the 77-knife Exact-Cut cutting unit



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 of the Magnon 9 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.



The proven Continuous Flow System

Dispersal and acceleration of the crop

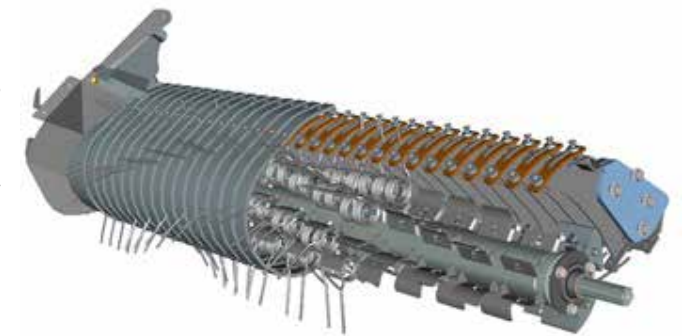
- The guide roller of the Continuous Flow System disperses the loaded crop by means of the special welded-on layer
- The loaded crop is evenly conveyed to the rotor over the entire width
- Acceleration of the crop ensures even crop flow without any restrictions
- The loaded crop is always delivered evenly from the pick-up to the rotor
- No material blockages

Optimum load distribution over the entire width

- Reduced power requirement due to higher positioned rotor and thus shortened conveyor duct
- The crop is conveyed into the cargo space over the entire width
- Maximum and even load distribution = more weight per m³
- Faster loading with lower power requirement

Clean and even crop pick-up: Uncontrolled steel tine pick-up with plastic scrapers

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 scrapers are flexible and extremely wear-resistant. The simple, uncontrolled design reduces maintenance and repair costs.



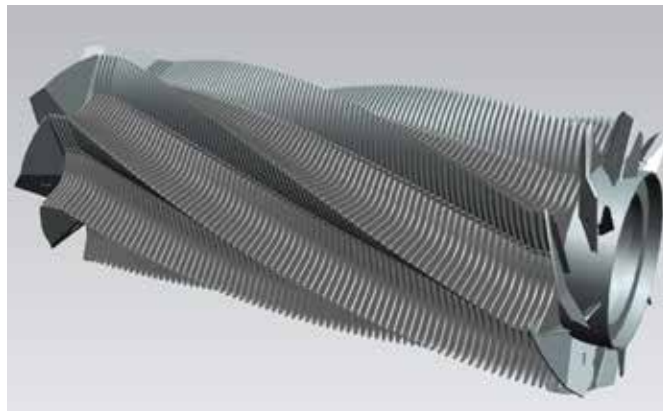
The integral rotor

Powerful integral rotor

- 1.95 m overall rotor width
- 1.75 m conveying width with 8 helical tine rows
- Wide crop swathes are compactly conveyed to the conveyor duct

Robust integral augers

- 105 mm wide integral elements on both sides
- 6 mm thick auger windings to bring the crop reliably together
- Auger windings end on the conveying tines to ensure optimum cutting quality even in the edge areas



Optimised for exact cutting

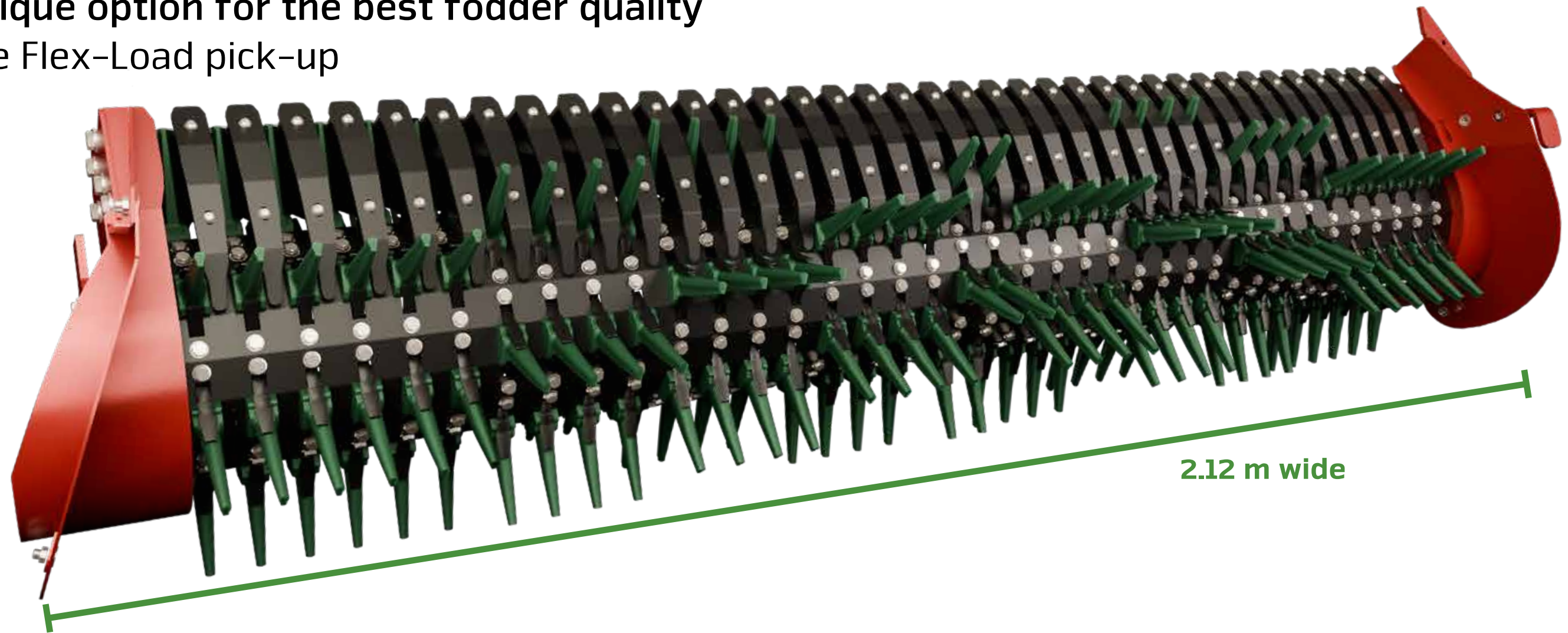
- Scrapers and tines are arranged at a large angle to each other
- Protects the fodder and saves energy
- Welded-on tine plates ensure a consistently precise cut
- Special armoring on the tine plates as anti-wear protection

Rotor drive

- Rotor Drive via oil-bath gearbox and planetary set integrated in the rotor
- Reduction of speed only just before the rotor
→ Reduced torque load in the power train

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

Consistently outstanding cutting quality

– The Exact-Cut cutting unit



Exact-Cut cutting unit

- 77 double-sided knives as standard, for double the service life
- 22 mm theoretical cutting length
- 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



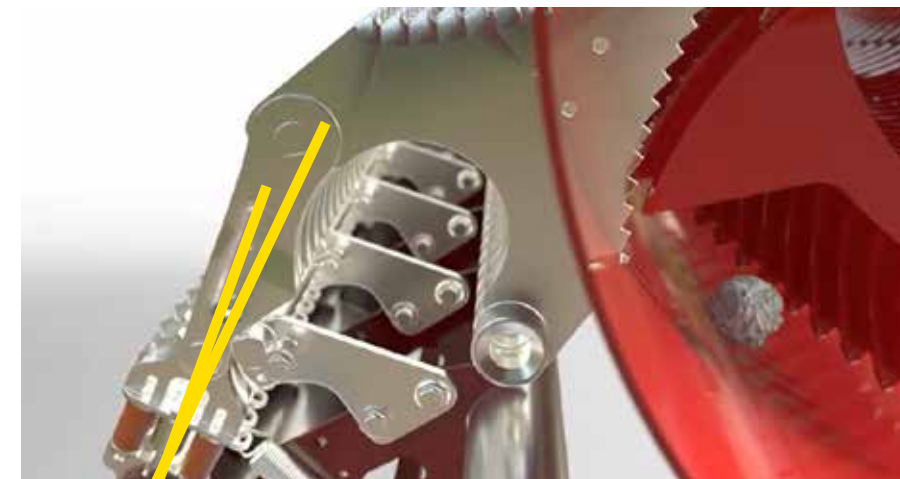
Knife changes made easy

The cutter bars 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

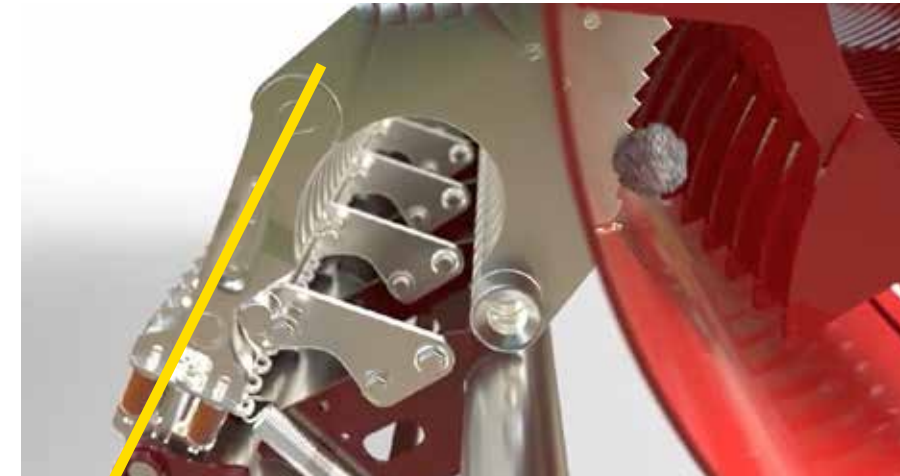
Knife protection system with triggering point

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.

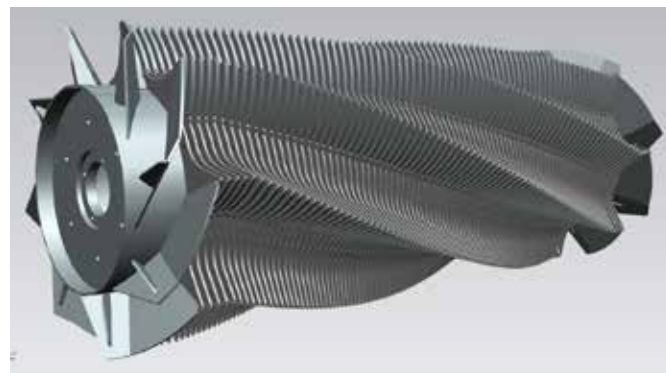


Magnon 9: No one cuts shorter! Cut shorter – feed better!



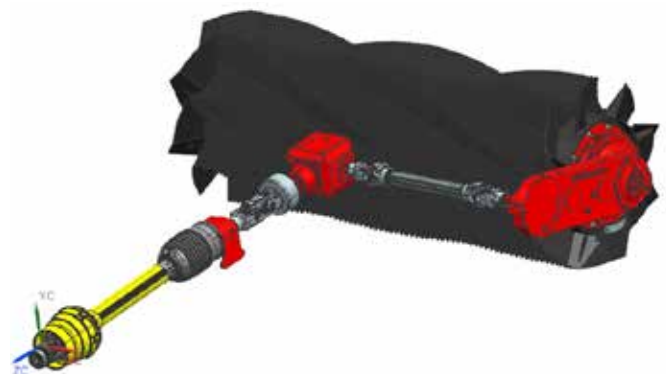
Cutting unit

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



Rotor

- 1750 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 scrapers ensure the largest possible scraper 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 filled 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

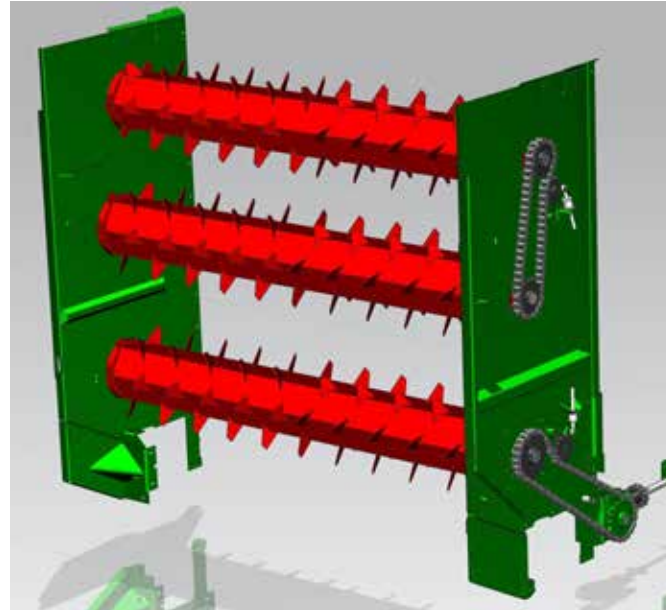


Practical maize plate

- 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

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



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 coverage



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 distribution 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 changing 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

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 ISO-BUS 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 CONTROL SETS



- 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





Technical data

	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 [m³]	67/63	74/70
Loading capacity according to DIN 11741		
Loading capacity according to DIN 11741 [m³]	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

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



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