

# STRAUTMANN



Multi-purpose forage wagon

## Super-Vitesse



## Extremely easy-towing

### – The Strautmann Super-Vitesse



#### Super-Vitesse

The forage wagons of the Super Vitesse series are experts when it comes to efficient and flexible green fodder harvesting. The continuous-flow-system enables medium-sized businesses with own machinery to efficiently harvest their fodder and to ensure top silage quality – even with less tractor power. Due to the robust multi-purpose superstructure, the machine can also be used as a transport vehicle in maize harvesting.

- Loading capacity of 29 – 33 m<sup>3</sup>
- Continuous Flow unit
- Efficient
- Easy-towing

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# The system for efficient loading

## - The Continuous Flow System

Due to the interaction of different components, the Continuous Flow unit ensures excellent loading performance with little power requirement. Pick-up, Flow Roller, rotor and the Exact-Cut cutting unit are ideally matched and complement each other perfectly. This results not only in excellent cutting quality but also in easy towing, thus saving power, money and time.

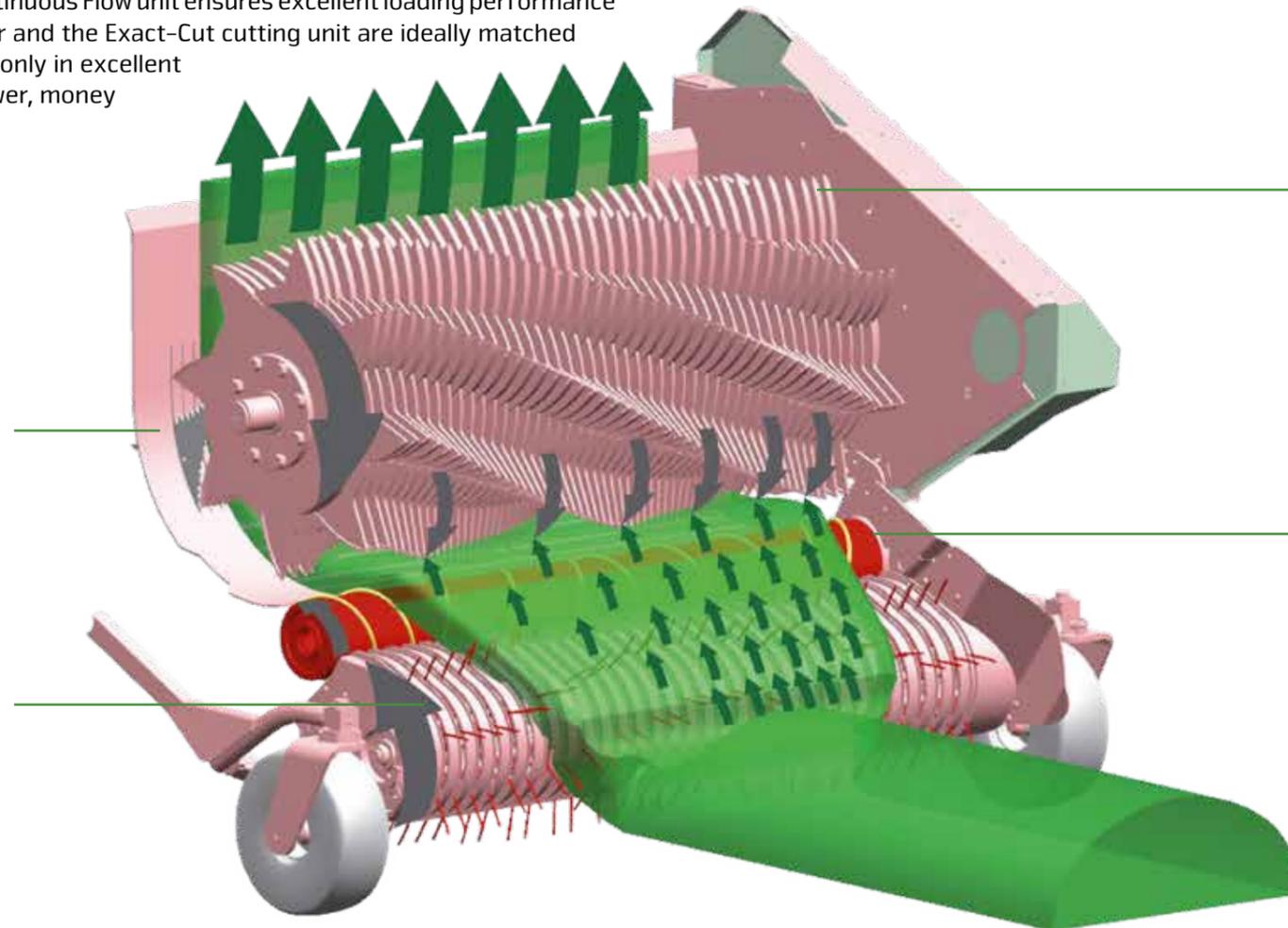
### Cutting unit & rotor:

#### Exact cutting due to perfect interaction

- Tine plates welded on the rotor for a uniform and precise cut
- The small distance between rotor tines and knives ensures an exact cut with little power requirement

### Pick-up: Gentle picking-up of grass and dispersal of the swathe

- Camless pick-up
- Plastic strippers
- 1.8 m in width
- 6 tine rows placed in V-shape disperses the grass
- Due to the additional Flow Roller, the pick-up is in a very flat position
- Optimum adaptation to the ground
- Guide wheels on the pick-up ensure flexible adaptation to the ground



### Optimum filling degree over the entire width

- Reduced power requirement due to higher positioned rotor and shortened conveyor duct
- The material is conveyed into the cargo space over its entire width
- Maximum and homogeneous filling degree = more weight per m<sup>3</sup>

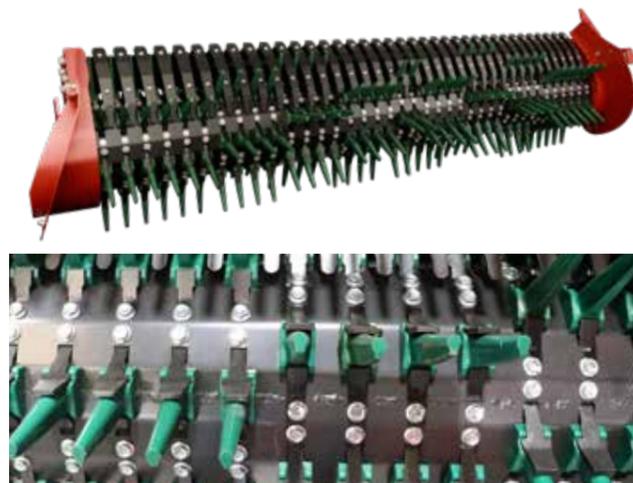
### Flow Roller: Dispersal and acceleration of material

- Quicker loading with less power required
- The Flow Roller 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 building up

## FLEX-LOAD PICK-UP

### Flexible loading - Saving time and power

- Optionally available
- Flexible plastic tines made of special PUR composition
- 6 stepped 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 reduced tine breakage
- Change of tines within one minute with only one tool required



### Rotor

- Feeder rotor with 6 tine rows
- Helically arranged
- Consistent torque without peak loads

### Perfectly adapted to exact cutting

- Strippers and tines are arranged at a large angle to each other
- Careful handling of fodder and energy saving
- Welded-on tine plates ensure consistent and precise cutting quality
- Special armoring on top of the tine plates as anti-wear protection



# Consistently outstanding cutting quality

## - The Exact-Cut cutting unit



### Exact-Cut cutting unit

- Standard equipment with 39 double sided knives for double the service life
- Theoretical cutting length of 39 mm
- 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

### Knife change made easy



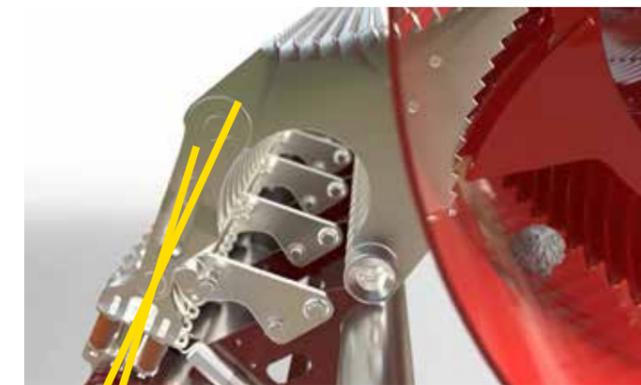
### Change of knives

- Knife change without use of additional tools
- Enclosed extraction lever for easy and quick removal:
  - Lever is inserted in the knife protection system
  - With light pressure to the front, the knife slides off the locking shaft



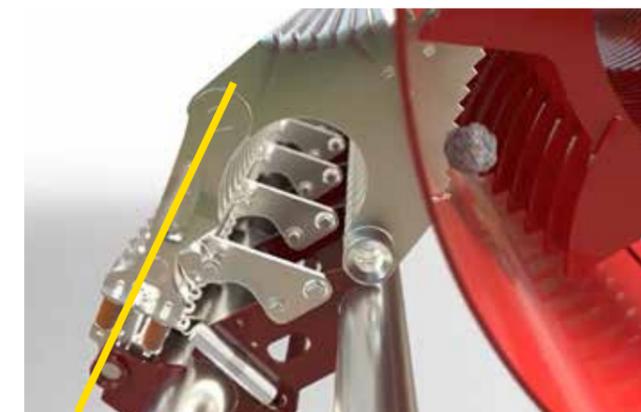
### Knife protection system with spot-on triggering

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 the centre point
- Knives are held in the duct



### In case of contact with a foreign object

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



### Actuate protection system

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

### Automatic wayback

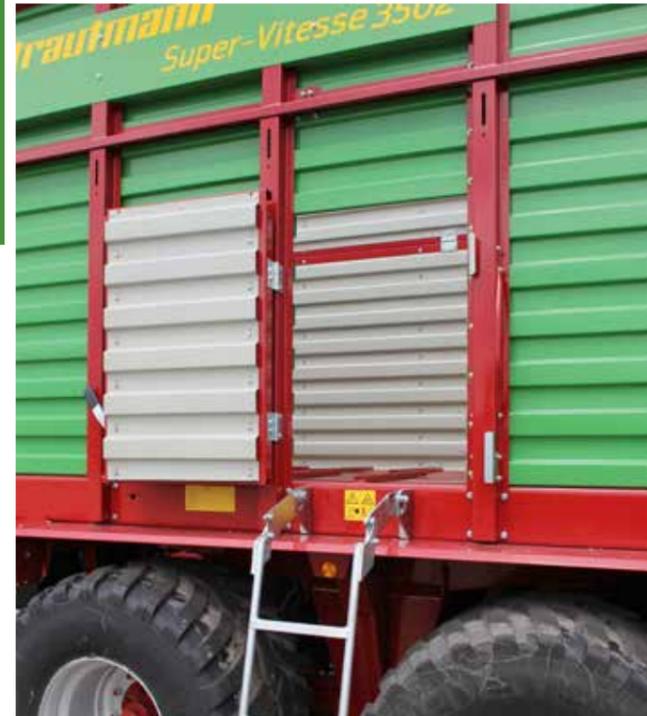
When the counter-force of the foreign object decreases or does no longer exist, the spring automatically retracts the knife into the conveyor duct.

# Floor & superstructure



### Practical harvesting plate

- Inward-folding front grating
- Hydraulic version as an optional extra, manual version as standard
- Low discharge height, e.g. when chopping



### Easy access

- Convenient access door
- Folding ladder



### Robust superstructure

- All-steel superstructure
- Side panels with reinforced side posts provide stability
- Superstructure brackets with ropes for ideal load securing (optional)



### Slip-proof transport floor

#### Even feed due to:

- 10 mm thick, high-strength round steel chains with a breaking load of 13 t each
- Screwed with handy profile strips with U-shaped cross-section



### Practical maize plate

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



### Powerful drive

- Optional 2-stage transport floor drive
- With bumper buffer as standard

Floor & superstructure

Floor & superstructure

## Clever dosing



### Effective beaters

- Dosing unit with 2 beaters as standard
- Equipped with aggressive ripping tines
- When the wagon is full, the bottom beater is able to evade to the rear thus stopping the transport floor feed via a sensor



### Robust drive

- Driven by large-sized roller chains



### Optimum filling degree

- Load-protection bars prevent the fodder from overflowing
- Optional automatic charging system
- Presetting of filling degree possible
- When the loaded material presses against the feelers of the automatic charging system, the transport floor starts to run



### Sturdy tailgate

- Wide opening option for quick discharge
- With integrated pressure switch for the level indicator (on wagons without dosing unit)



# Safety & comfort

– On the field and on the road

## Different chassis options

ensure optimum driving comfort and safety at any time:



### Boogie tandem chassis

- Standard equipment
- Chassis with parabolic suspension for an admissible axle load of 16 t, standard equipment
- Optional 18-t chassis



### Top linkage

- Standard equipment
- Admissible tongue load 2 t



### Bottom linkage

- Bottom linkage with coupling head
- Up to an admissible tongue load of 4 t



### Passive steering axle

- Optionally available
- Excessive friction of the wheels on the ground is prevented
- Protection of sward



### Electronic forced steering axle

- Optionally available
- The SES system ("Strautmann Electronic Steering") provides a high degree of driving stability
- Adjustment of steering angle to the speed
- Excellent manoeuvrability of the Super-Vitesse



### Easily aim high

- Hydraulic folding drawbar as standard
- With double-acting cylinders
- For comfortable and easy travelling over the silo
- Optionally available with hydraulic drawbar suspension



### Optimum adaptation to the ground

- Guide wheels at the pick-up ensure flexible adaptation to the ground
- Optionally available with additional guide wheels behind the pick-up for easier working even on soft or wet ground

## Operation

Several operating options enable an adapted and easy operation

### E-CONTROL SET



- Standard equipment
- Operation of hydraulic functions via toggle switch
- Comfortable & easy

### 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 charging and automatic drawbar system ensure intuitive and comfortable machine operation.



Due to the compatibility of the Strautmann ISOBUS control, 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 "SMART 570"



- Optionally available
- 5.7" coloured screen
- Optimum control of the charging and discharging process and safe road travel
- Numerous automatic functions such as e.g. automatic front panel, automatic pick-up etc. ensuring intuitive and comfortable machine operation

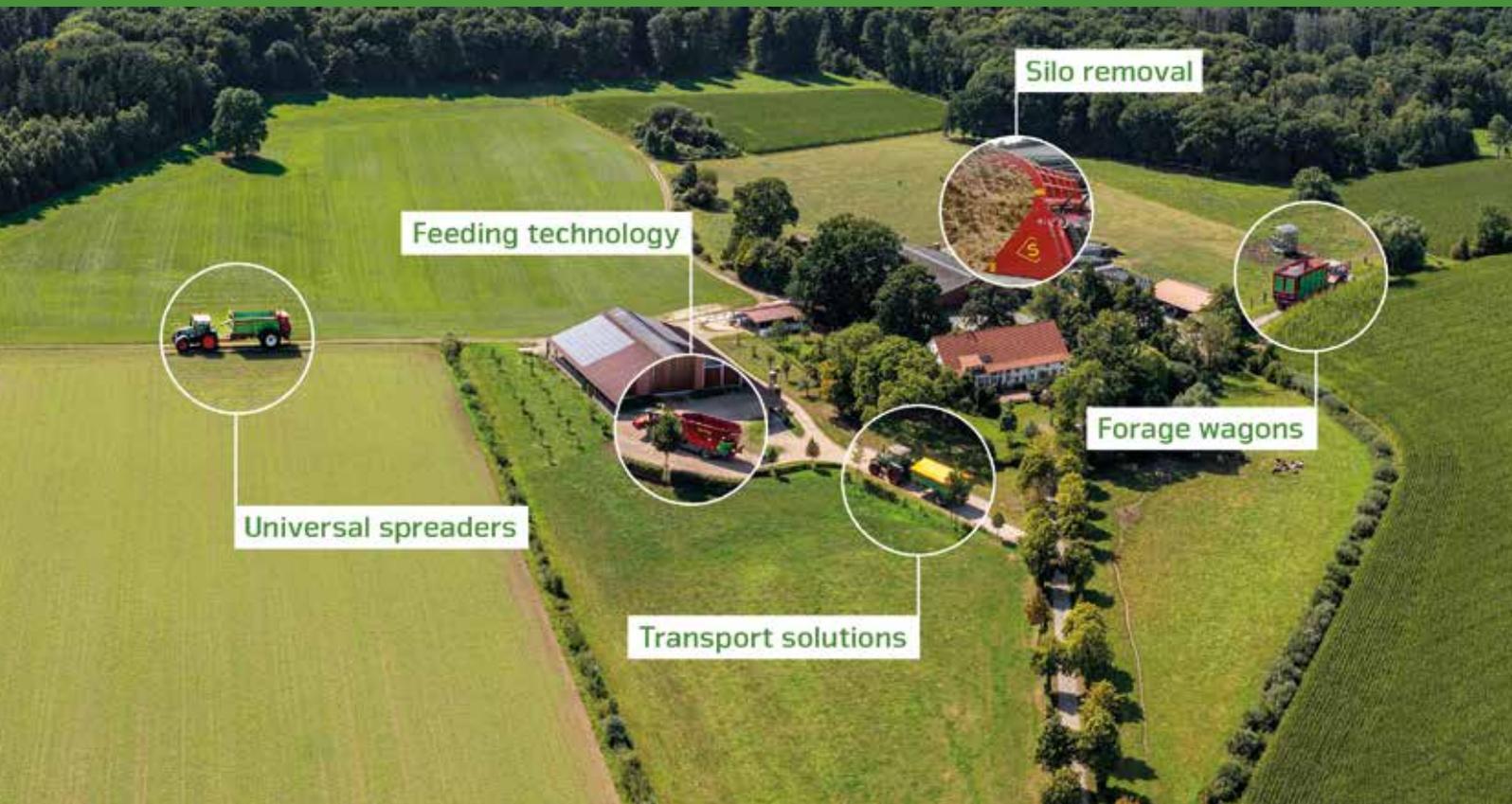
## Technical data

	Super-Vitesse 3102 without dosing unit / with dosing unit	Super-Vitesse 3502 without dosing unit / with dosing unit
<b>Dimensions</b>		
Height with 16-t chassis, 620/40 R 22.5 tyres [m]	3.73	3.73
Height with 18-t chassis, 710/45 R 22.5 tyres [m]	3.85	3.85
Length [m]	8.80 / 9.40	9.60 / 10.25
Outside wheel width with 16-t chassis, 620/40 R 22.5 tyres [m]	2.72	2.72
Outside wheel width with 18-t chassis, 710/45 R 22.5 tyres [m]	2.81	2.81
<b>Cargo space dimensions</b>		
Height [m]	2.35	2.35
Width [m]	2.10	2.10
Length [m]	5.87	6.70
<b>Dead weight</b>		
Dead weight, standard equipment [kg]	7,600 / 8,200	8,100 / 8,700
<b>Gross vehicle weight rating</b>		
Gross vehicle weight rating, standard equipment [kg]	18,000	18,000
Gross vehicle weight rating, optional equipment [kg]	22,000	22,000
<b>Power required</b>		
Power required from [kW/HP]	88 / 120	96 / 130
<b>Loading capacity</b>		
Loading capacity, medium compaction [m <sup>3</sup> ]	50.8	57.8
Loading capacity according to DIN 11741 [m <sup>3</sup> ]	29	33
<b>Additional data</b>		
Conveying unit type	Rotor	Rotor
Number of knives [pcs.]	39	39
Picking-up width of pick-up [m]	1.80	1.80
Theoretical cutting length [mm]	39	39

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



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B. Strautmann & Söhne GmbH u. Co. KG



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