



straufmann



Short-cut forage wagon

Zelon^{CFS}



CFS efficiency already from 23 m³!

The Zelon^{CFS}

As the successor model of the well-known Super-Vitesse, the Zelon^{CFS} now offers the advantages of the Continuous Flow System (CFS) starting at a loading capacity of 23 m³. This entry-level model is perfectly suitable for dairy farms with own machinery or machinery cooperatives.

Uniform discharge

by means of 2 or 3 optional dosing drums

High performance spiral rotor

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



Efficient charging

by means of the unique CFS unit

Exact cutting

by means of 32-knife Double-Cut cutting unit

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Continuous Flow System – the system for fast and efficient charging



The CFS-unit

Due to the interaction of different components, the CFS unit ensures a high charging performance with low power required. Pick-up, CFS roller, rotor and Double-Cut cutting unit are perfectly matched and complement each other in ideal manner. This results in an excellent silage quality and also in easy towing and thus savings in power, money and time.

Cutting unit & rotor:

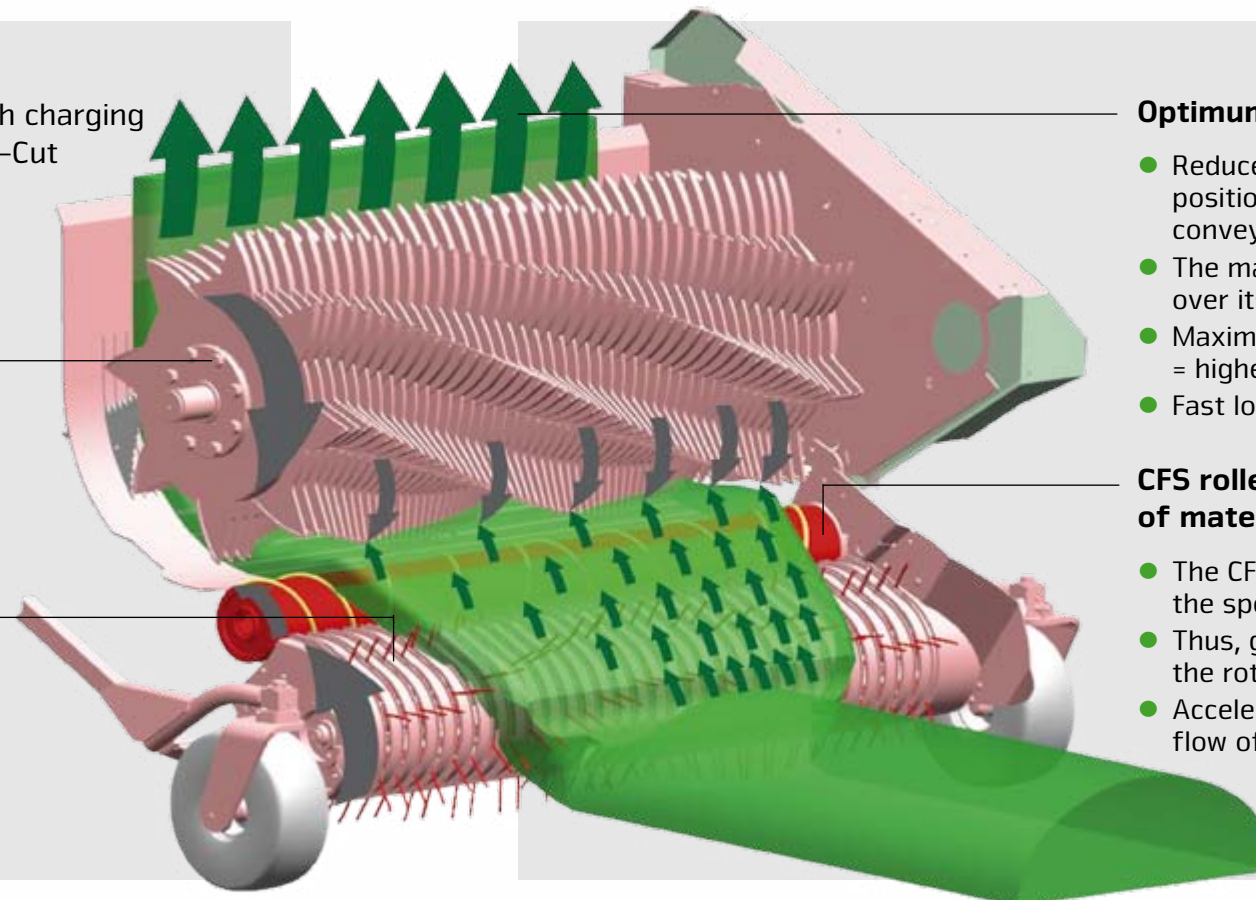
Exact cutting due to perfect interaction

- The small distance between rotor tines and knives ensures an exact cut with little power required
- Tine plates welded on the rotor additionally ensure a uniform scissor-type cut

Pick-up:

Gentle picking-up of grass and dispersal of swathe

- Camless pick-up
- 1.7 m in width
- 5 tine rows placed in V-shape disperse the grass
- Due to the additional CFS roller, the pick-up is in a very flat position
- optimum adaptation to ground



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 total width
- Maximum and homogeneous filling degree = higher tonnage per m³
- Fast loading with less power required

CFS roller: Dispersal and acceleration of material

- The CFS roller disperses the grass by means of the special welded-on layer
- Thus, grass is homogeneously conveyed to the rotor over the entire width
- Acceleration of material ensures homogeneous flow of material

Rotor and cutting unit – For optimum fodder quality



Powerful & gentle

- Feeder rotor with 5 tine rows
- Helically arranged
- Consistent torque without peaks



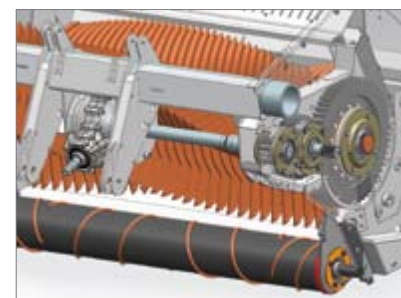
Perfectly adapted to exact cutting

- Strippers and tines are arranged at a large angle to each other
 - Careful handling of fodder and saving of energy
- Welded-on tine plates ensure permanent precise cut



Robust & low-maintenance

- Rotor drive via open gear
- With grease lubrication



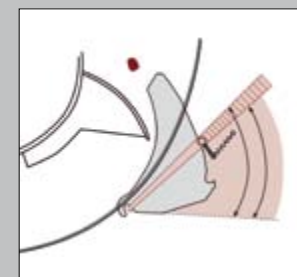
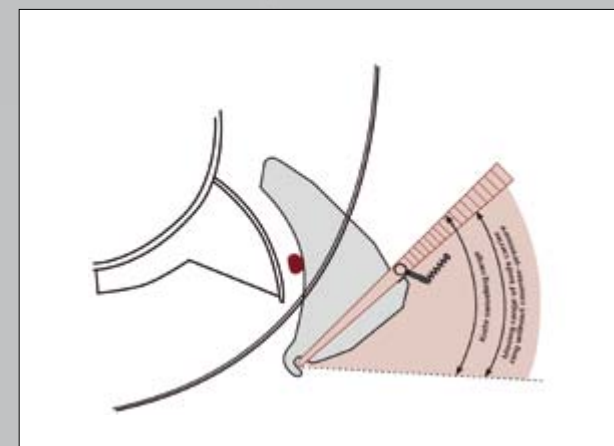
Extremely sleek for convincing results

- 32-knife Double-Cut cutting unit
- Doubled service life due to easy turning-over of knives
- Cutting length of 44 mm
- Knife change without use of tools
- Knife bar can be hydraulically swivelled out



Sharp knives at any time – Thanks to the patented quick release system

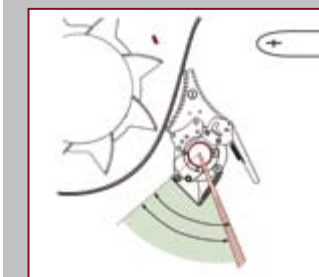
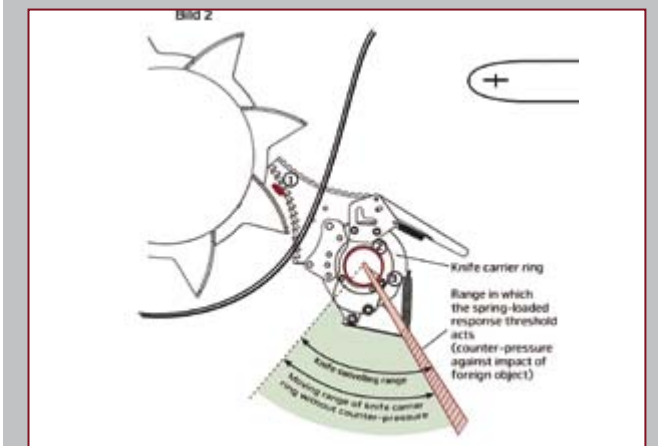
Knife protection with spring counter-pressure



Spring tension holds the knife in the duct even in the event of the knife coming into contact with a foreign object. As a result of the constant spring tension, the knife blade becomes blunt due to the greater force acting on the blade through the foreign object.

Result: The counter-pressure acts over the entire swivelling range of the knife.
→ Wear / Blunt blade

strautmann Patented protection system



The power required to activate the knife protection system is almost identical at all points of the knife. The knife protection system is already activated when a foreign object comes into contact with the bottom part of the blade. Due to the fact that the knife is not held in the duct by means of spring counter-pressure, it swivels out before the rest of the blade may be damaged.

Result: Knife swivels out early enough
→ Less wear and longer service life of knives

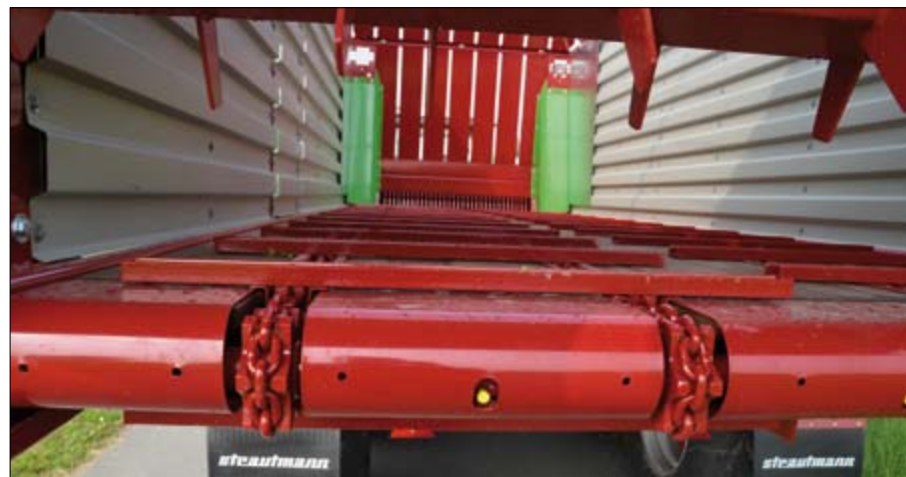
The system is very similar to the cam clutch in a pto-shaft

Bottom & body

Slip-proof transport floor

Even feed due to:

- U-shaped cross
- High-strength transport floor chains with a diameter of 10 mm and a breaking load of 13 t per chain
- Separate automatic chain tensioners
- Wooden floor



Powerful drive

- Feed gearing with oil motor
- Optional 2-gear switching
- Standard bumper buffer



Solid body

- All-steel body
- The upper part can be folded down
- Vehicle can be parked in lower buildings
- More stability and safe guiding of ropes to secure loaded material by means of body brackets



Easy access

- Convenient access door
- Folding ladder
- Ladder galvanised



Optimum filling degree

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



Clever dosing



Solid tailgate

- With hydraulic locking mechanism
- Wide opening option for quick discharge
- With integrated pressure switch for level indicator



Effective dosing drums

- Dosing unit with 2 standard beaters
- Equipped with aggressive ripping tines
- Optionally available with 3 beaters for more homogeneous discharge on the silo



Robust drive

- Driven by large-sized roller chains
- Safety switch-off at the bottom beater
- When the wagon is full, the bottom beater is able to evade to the rear thus stopping the transport floor proceeding



Safety & comfort – On the road and in the field

Optimum driving characteristics

- Boogie tandem chassis
- Parabolic suspension
- 40 km/h
- Easy travelling over the silo



Manoeuvrable axes

- Optional passive steering axle
- Excessive friction of the wheels on the ground is prevented



Easily aim high

- Standard hydraulic folding drawbar
- With double-acting cylinders
- For comfortable and easy travelling over the silo
- Optional hydraulic drawbar suspension for safety & comfort on the road



Low-wear hitch

- Standard top hitch
- Optionally available with bottom hitch and coupling head or drawbar lug



Optimum adaptation to 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



Easy operation

Several operating options enable an adapted and easy operation of the Zelon^{CFS}



Electro-hydraulic easy-to-use control

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



Strautmann ISOBUS control set

- Optional extra
- Illuminated soft keys for comfortable operation
- Optimum control of the discharging process, the transport floor and the additional functions
- Also suitable for less experienced drivers

ISOBUS-terminals

Due to the compatibility of the Strautmann ISOBUS control, the following terminals can be used for the Strautmann forage wagons:



WTK Elektronik



Fendt



Müller Elektronik



John Deere

ISO 11783

The ISO control set significantly contributes to reduce the operator's stress due to the fact that functional sequences can be grouped in work flows (AI and AII) and sensors enable better control of the machine. Thus, information about the steering axle, the tailgate and the position of the knives is provided by means of status indicators.

We are in close contact with other manufacturers. Please do not hesitate to contact us for any enquiries regarding compatibility.

Short-cut forage wagon Zelon^{CFS} 2501 / 2901 / 3301 (DO)

Technical data				
Model		Zelon ^{CFS} 2501	Zelon ^{CFS} 2901	Zelon ^{CFS} 3301
Dimensions				
Length (without/with dosing unit)	m	7,85/8,45	8,65/9,29	9,15/9,91
Width (without/with dosing unit)	m	2,51/2,51	2,51/2,51	2,56/2,56
Height with silage extension	m	3,68	3,68	3,82
Loading capacity according to DIN 11741	m³	23	27	31
Loading capacity, medium compression	m³	39,1	45,9	52,7
Gross vehicle weight rating	kg	12.000	12.000	15.000
Dead weight, standard equipment	kg	5.650	5.950	6.450
with dosing unit	kg	6.250	6.550	7.100
Power required from	KW/HP	70/95	77/105	88/120
Dimensions of tyres		500/50 R 17	500/50 R 17	500/50 - 20





strautmann



Strautmann main production facility in Bad Laer

www.strautmann.com

B. Strautmann & Söhne GmbH u. Co. KG is a medium-sized family-owned company located in the administrative district of Osnabrück, having already celebrated its 80th anniversary of existence and now being managed by the third generation. In a modern plant at the second production site in Lwówek (Poland), Strautmann manufactures individual machine components and, apart from that,

also parts of the machine programme such as tipping trailers, silage shovels or shear grabs. As a machine manufacturer offering a wide range of machinery for cattle feeding, green fodder harvesting, universal spreaders and transport technology for biogas plants, Strautmann is the competent partner for almost any customer in this industry.



Pol-Strautmann



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