



straumann



Verti-Mix self-propelled wagon

Verti-Mix SF
Verti-Mix Double SF





The self-propelled wagon: Powerful, robust, comfortable

The self-propelled Strautmann wagon

- Efficient
- Comfortable
- Safe in use
- Powerful

Filling, mixing and discharging – carried out with one single vehicle..



Due to the fact that a separate loading vehicle is no longer required, providing efficient loading, mixing and unloading, you are able to save fuel and work in comfort.

The integrated remote maintenance modem makes the self-propelled Strautmann wagon an intelligent all-in-one solution that is also safe in use.

Self-propelled fodder mixing wagons

make the labour-intensive procedure of dairy cattle feeding considerably easier and save time, money and work.

Homogeneously mixed ingredients prevent the cows from selecting the forage

- ➔ Higher milk yields with improved ingredients

All animals are optimally fed from the physiological point of view and are less prone to diseases.

The result is healthy cows and a high degree of profitability.

Quick loading
by means of high-performance milling cutter

Clean picking-up to the exact kilogramme
via reversible elevator conveyor

ICS-control
➔ intelligent steering of entire vehicle

Remote maintenance modem
➔ Quick technical support if necessary

Individual steering options
depending on operating requirements

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Milling system for optimum picking-up performance



Elevator

- Mounted at the centre behind the milling cutter for quick, gentle material flow
- Smooth running, low-maintenance elevator conveyor made of rubber
- Hydraulically powered
- Infinitely variable speed adjustment
- Reversible for exact picking-up of components

Fodder picking-up & transport

- Clean picking-up right to the bottom
- Fast running elevator conveyor for clean feed flow
- Optimum parabolic trajectory from the elevator into the mixing container
- Automatic cutter arm lowering for quick and effortless working



High-performance milling cutter

- 2 m in width
- 114 knives efficiently take the fodder out of the silo
- Helical arrangement of knives for maximum picking-up performance with clean cut surface
- 60 cranked and 54 straight knives

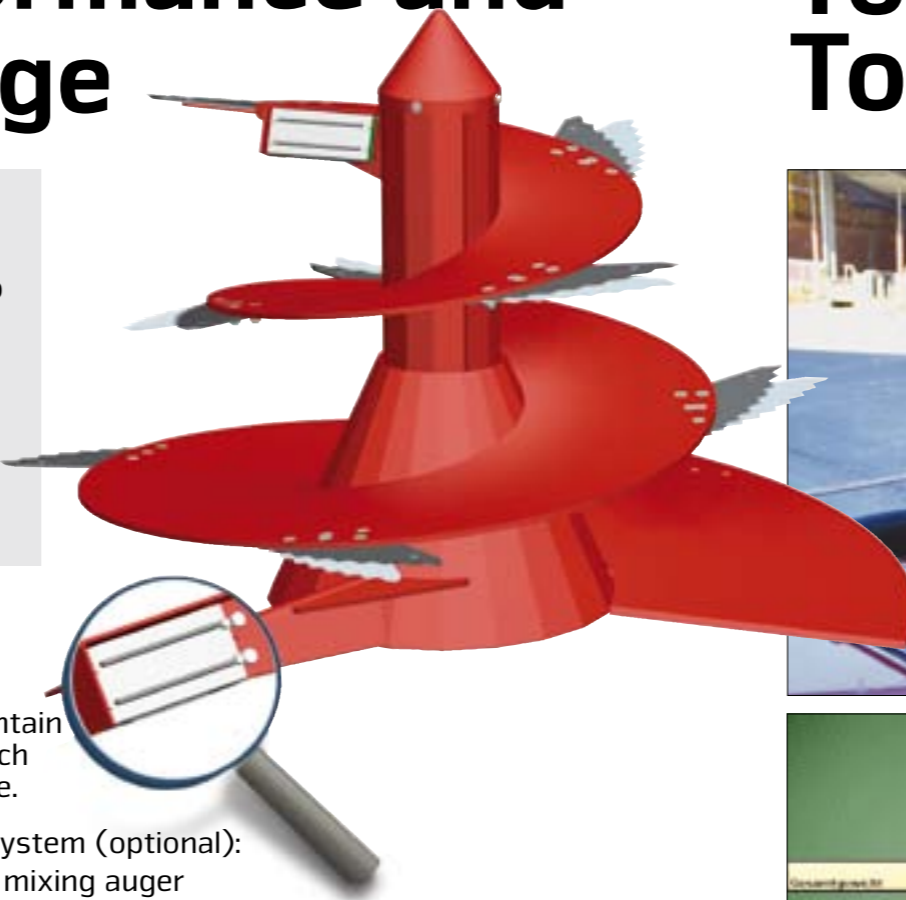


Top mixing performance and optimum discharge

The Vario mixing auger – Variability and strength for any purpose

Due to the patented knife adjustment system, the Vario mixing auger can be perfectly adapted to your specific conditions of use.

The robust and low-maintenance angular gear ensures a long service life even in demanding conditions.



The Strautmann magnetic system

All silage and any kind of purchased fodder might contain metallic foreign objects which might harm your dairy cattle.

- The Strautmann magnetic system (optional):
- directly positioned at the mixing auger
 - direct contact with the mixed fodder
 - ➔ very effective



Discharge options

- Front discharge via discharge conveyor
 - ➔ Good overall view
- Rear discharge via discharge conveyor
 - ➔ Ideal for feed alleys
- Rear discharge via discharge door
 - ➔ Simultaneous discharge on both sides possible
- Crossover conveyor displacement and conveyor extensions as optional extras
 - ➔ For distribution into dosing feeders and high troughs
- Combination with rear straw blower and / or fast bedding roller at the end of the cross conveyor possible
 - ➔ Enables feeding and bedding with one machine

Top equipment Top performance



Milling mode



Travelling mode



Distribution mode

Our customer service for you

- Integrated remote maintenance modem
- Easy connection with Strautmann customer service for error readout
- Quick and target-oriented support

Equipment Verti-Mix Double SF

Mixer drive

- Hydrostatic with 2 speed levels
- Each level proportionally adjustable

Weighing device

- Standard programmable weighing device

Loading conveyor

- Manual & automatic

Traction drive

- Hydrostatic with infinitely variable speed adjustment
- Automotive travelling mode:
 - 0-25 or 0-40 km/h
- Milling mode: 0-7 km/h
- Distribution mode: 0-15 km/h

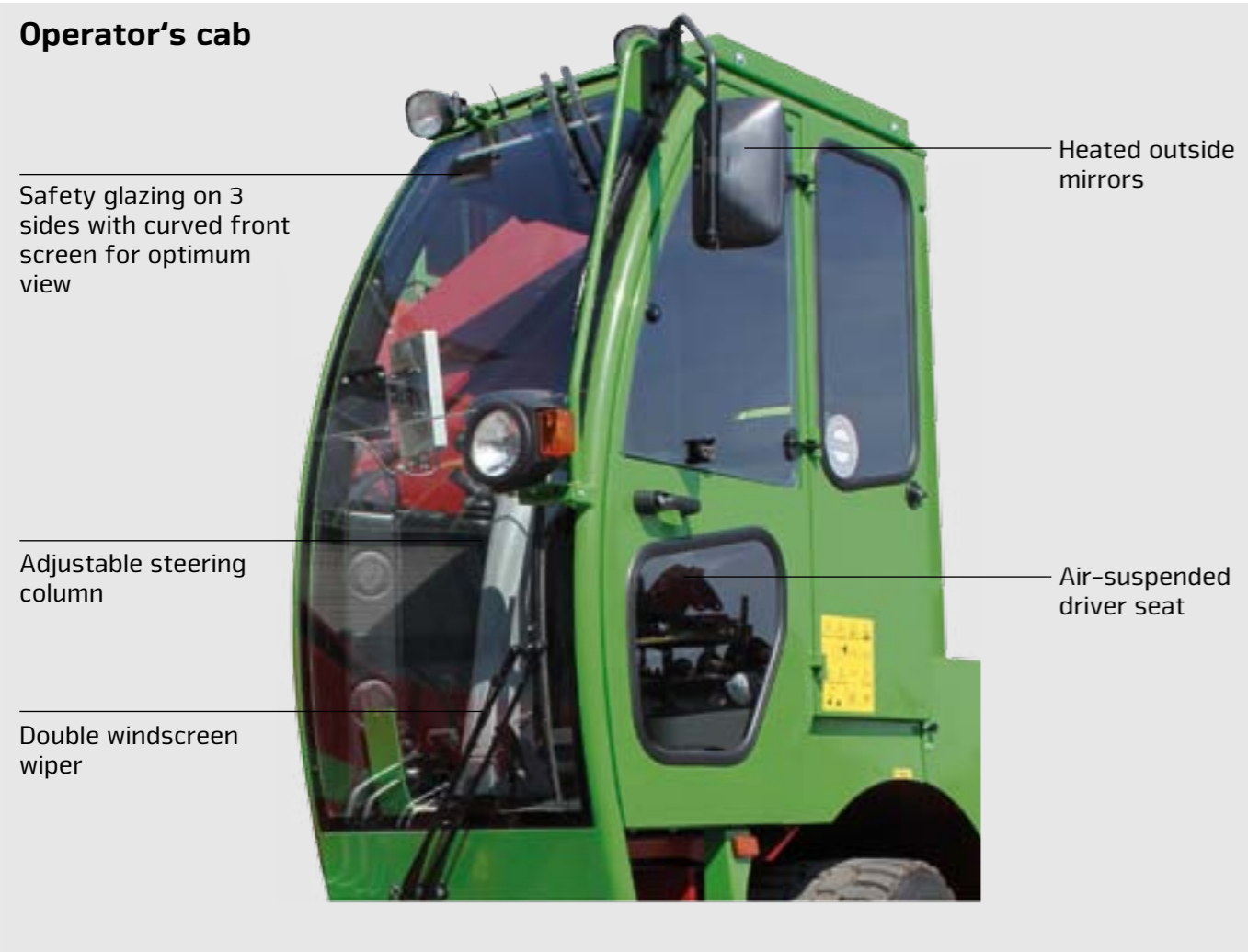
Operation

- Space-saving & clearly organised
- 3 displays in 1
- Free assignment of the individual functions
- 10.4" touch-screen, extremely scratch-proof and reliable
- Optimum control by means of cross communication between camera, CAN bus and weighing device



Efficiency & comfort

Operator's cab



6-cylinder engine

- Powerful and economical
- Turbo-diesel engine with water cooling
- 129 kW/175 HP at 1,900 rpm
- 714 Nm at 1,500 rpm



Lighting

- Lighting for travelling on public roads according to StVZO (note of transl.: German Road Traffic Licensing Code)
- 2 work lights on top of the cabin
- 2 reversing lights
- 2 work lights (on the right-hand and left-hand side of the cross conveyor)

Chassis

- Welded frame made of quality steel with front axle oscillating support for maximum stability
- Maximum driving comfort due to parabolic suspension of the entire vehicle
- Oil-hydraulic drum brake, 4-wheel braking for maximum safety
- Optional 4-wheel steering
- Optional air suspension (on the Double models)
- 25/km/h standard
- 40 km/h optional
- Optional 4-wheel steering
- Optional all-wheel drive

Mineral feed funnel

- For easy adding of small quantities of fodder and fodder additives
- Mounted at the container or the elevator

Counter-knives

- Manually operated (also available with hydraulic operation – from the driver seat – as an optional extra)
- Enable the chopping of entire bales and optimise the mixing quality

Weighing device

- Standard programmable weighing device
- Data transfer option (via USB stick) for feed control and optional AV 50 additional display



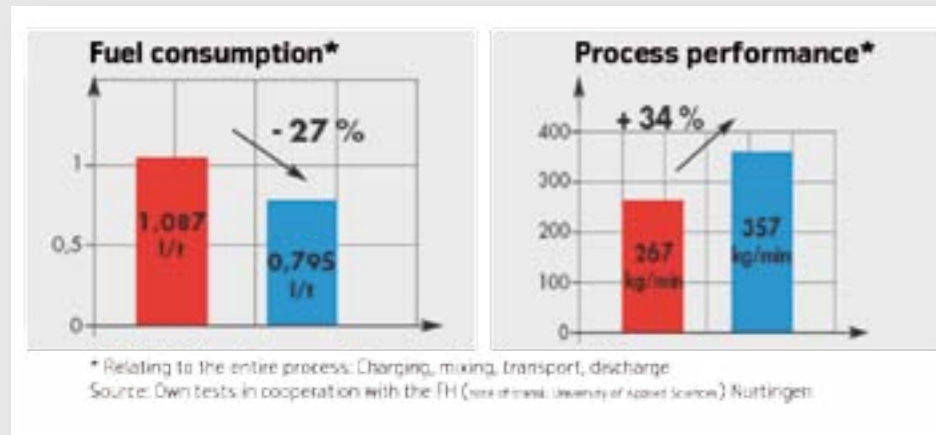
Efficient in use – economical in terms of consumption

A side note: Self-propelled fodder mixing wagons

Apart from milking, feeding is the most labour-intensive process on a dairy farm, requiring the movement of huge quantities of fodder and thus also of capital.

Self-propelled fodder mixing wagons make work considerably easier and ensure cost savings compared to fodder mixing trailers for the following reasons:

- Only one vehicle must be moved (the filling vehicle is no longer required)
- Less working time required
- One employee is sufficient
- Exact composition of feed ration
 - ➔ Your cows get the perfect fodder mixture, stay healthy and achieve maximum performance



Fodder mixing wagon Verti-Mix 1101 SF – 2001 Double SF

Technical data

Type		Verti-Mix 1101 SF	Verti-Mix 1301 SF	Verti-Mix 1501 SF	Verti-Mix 1401 Double SF	Verti-Mix 1701 Double SF	Verti-Mix 2001 Double SF
Dimensions							
Total length, transport position							
- with front discharge conveyor	m	7,28	7,38	7,55	9,20	9,26	9,57
- with rear discharge conveyor	m	7,59	7,59	7,77	9,55	9,55	9,83
Total vehicle width							
	m	2,42	2,42	2,58	2,25	2,25	2,28
Total vehicle height (with mechanical suspension)							
- with single tyres 435/50 R19,5	m	2,83	3,17	3,17	2,80	2,93	-
- with double tyres 235/75 R 17,5	m	2,74	3,07	3,07	2,73	2,87	2,97
- with double tyres 275/70 R 22,5	m	-	-	-	2,84	2,98	3,07
- with single tyres 455/45 R 22,5	m	-	-	-	2,84	2,99	3,09
Total vehicle height (with air suspension ****)							
- with single tyres 435/50 R19,5	m	2,82	3,15	3,15	2,82	2,96	-
- with double tyres 235/75 R 17,5	m	2,75	3,09	3,09	2,73	2,87	2,97
- with double tyres 275/70 R 22,5	m	-	-	-	2,86	3,00	3,07
- with single tyres 455/45 R 22,5	m	-	-	-	2,86	3,00	3,09
Wheelbase	m	3,22 (3,27)***	3,22 (3,27)***	3,22 (3,27)***	3,79	3,79	3,97
Front outside wheel width							
Tyres 305/70 R 19,5	m	2,12	2,12	2,12	2,12	2,12	2,12
Rear outside wheel width with front-wheel steering							
Single tyres							
435/50 R19,5	m	2,25	2,25	2,25	2,10	2,10	-
Double tyres							
235/75 R 17,5	m	2,35	2,35	2,35	2,30	2,30	2,30
Rear outside wheel width with 4-wheel steering							
Single tyres							
435/50 R19,5 (< 25 km/h)	m	2,25	2,25	2,25	2,25	2,25	-
Double tyres							
235/75 R 17,5 (< 40 km/h)	m	2,37	2,37	2,37	2,37	2,37	2,37
Turning radius with front-wheel steering							
- outside front (V)	m	7,63	7,63	7,63	8,50	8,50	8,74
- outside rear (H)	m	5,37	5,37	5,59	6,39	6,39	6,70
- inside (I)	m	2,68	2,68	2,60	3,50	3,50	3,62
Turning radius with 4-wheel steering							
- outside front (V)	m	6,23	6,23	6,23	6,66	6,66	7,02
- outside rear (H)	m	4,86	4,86	5,08	6	6	6,27
- inside (I)	m	1,60	1,60	1,50	2,23	2,23	2,29
Usable mixing capacity*							
	m ³	11,0	13,0	15,00	14,0	17,0	20,0
Picking-up width							
	m	2,00	2,00	2,00	2,00	2,00	2,00
Picking-up height							
	m	4,50	4,50	4,50	4,50	4,50	4,50
Conveyor drum diameter							
	m	0,60	0,60	0,60	0,60	0,60	0,60
Elevator width							
	m	0,58	0,58	0,58	0,58	0,58	0,58
Dead weight approx. **							
	kg	10600	10700	10860	12760	13050	13380

Figures, technical data and weights may change due to technical development and are not binding for delivery.
* actually usable mixing capacity, augers having been deducted from the capacity
** depending on the equipment
*** (3.27m) with 4-wheel steering and tyres 435/50 R 19,5, rear
**** with air-suspension, the machines can be lowered by approx. 5 cm for a short time



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Strautmann main production facility in Bad Laer

www.strautmann.com

B. Strautmann & Sohne GmbH u. Co. KG is a medium-sized family-owned business located in the administrative district of Osnabruck. Strautmann has been in business for over 80 years, and is now being managed by the third generation. In a modern plant at the second production site in Lwowek (Poland), Strautmann manufactures individual machine components, as well as other machinery from the

Strautmann range, such as tipping trailers, buckets and shear grabs. As a machine manufacturer offering a wide range of machinery for cattle feeding, green fodder harvesting, universal spreaders and transport technology as well as in the field of charging and dosing technology for biogas plants, Strautmann is the ideal partner for all customers in this industry.



Pol-Strautmann



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