Verti-Mix SF
Verti-Mix Double SF
Verti-Mix self-propelled wagon
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

The self-propelled wagon: Powerful, robust, comfortable

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.

Contents

The milling system 4-5
Vario² mixing auger 6
Equipment 7
Efficiency & comfort 8-9
Technical data 10-11

The self-propelled Strautmann wagon

- Efficient
- Comfortable
- Safe in use
- Powerful

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

A separate loading vehicle is no longer required. This means less fuel consumption, more comfortable working conditions and leads to greater efficiency loading, mixing and unloading.

The integrated remote maintenance modem makes the self-propelled Strautmann wagon an intelligent all-in-one solution.
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
- Less wastage/spoilage

High-performance milling cutter
- 2 m in width
- 114 knives efficiently take the fodder out of the silo
- 60 cranked and 54 straight knives (option)
- Helical arrangement of knives for maximum picking-up performance with clean cut surface
Top mixing performance and optimum discharge

Strautmann Verti-Mix fodder mixing wagons contribute substantially to increase the productivity of modern dairy farms. The perfect geometry of the mixing tub and Vario² mixing auger is supported by the newly developed, stepped auger. This ensures:

- Low power requirement
- Optimum fodder structure
- Homogeneous mixing
- Energy-saving short mixing times

Excellent mixing quality and proven low horse power mixing guarantee absolute cost effectiveness for any kind of application.

The Vario² mixing auger – Variability and strength for any purpose

Due to the patented knife adjustment system, the Vario² mixing auger can be perfectly adapted to your needs. The robust and low-maintenance angular gearbox ensures long service life even under challenging conditions.

Highly effective magnetic separation of metallic foreign objects

Silage and any kind of purchased fodder may contain metallic foreign objects which may harm your dairy cattle.

The Strautmann magnetic system (optional extra) directly mounted on the mixing auger offers optimum health protection for your high-yield cows. The system is mounted so that it is in direct and close contact with the mixed fodder, thus working very effectively.

Optional “INNODUR®” wearing elements significantly extend the service life of the Vario² mixing auger.

Also optional is a heavy-duty auger with 20 mm strong flights for a 50 % longer service life (~ 50 % less wear costs).

Special knife options help you to adapt your Vario² mixing auger even better to your needs:

- Straw knife (long/short)
- Bale cutting knife
- Root crop knife

Discharge options

- Front discharge via discharge conveyor ➔ Good overall view
- Rear discharge via discharge door ➔ Simultaneous discharge on both sides possible
- Rear discharge via discharge conveyor ➔ Ideal for feed alleys
- Crossover conveyor displacement and conveyor extensions are 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

Assumption: Residual thickness before replacement of the mixing auger 5 mm, i.e. on 15mm of wear on 20mm flight compared to 10mm of wear on a standard 15mm auger.
Top equipment
Top performance

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

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

Efficiency & comfort

Verti-Mix Double SF

Equipment

Operator’s cab

- Safety glazing on 3 sides with curved front screen for optimum view
- Adjustable steering column
- Air-suspended driver seat
- Heated outside mirrors

6-cylinder engine
- Emissions Level III b
- Powerfull and economical
- Turbo-diesel engine with water cooling
- 129 kW/175 HP at 1,900 rpm
- 714 Nm at 1,500 rpm

Verti-Mix self-propelled wagon

Verti-Mix self-propelled wagon
Verti-Mix self-propelled wagon

**Technical Data**

### Fodder mixing wagon Verti-Mix 1102 SF – 2002 Double SF

#### Technical data

<table>
<thead>
<tr>
<th>Type</th>
<th>Verti-Mix 1102 SF</th>
<th>Verti-Mix 1302 SF</th>
<th>Verti-Mix 1502 SF</th>
<th>Verti-Mix 1402 Double SF</th>
<th>Verti-Mix 1702 Double SF</th>
<th>Verti-Mix 2002 Double SF</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total length, transport position</td>
<td>m</td>
<td>7.28</td>
<td>7.38</td>
<td>7.55</td>
<td>9.20</td>
<td>9.26</td>
</tr>
<tr>
<td>- with front discharge conveyor</td>
<td>m</td>
<td>7.59</td>
<td>7.59</td>
<td>7.77</td>
<td>9.55</td>
<td>9.55</td>
</tr>
<tr>
<td>Total vehicle width</td>
<td>m</td>
<td>2.42</td>
<td>2.42</td>
<td>2.58</td>
<td>2.30</td>
<td>2.30</td>
</tr>
<tr>
<td>Total vehicle height (with mechanical suspension)</td>
<td>m</td>
<td>2.84</td>
<td>3.17</td>
<td>3.17</td>
<td>2.80</td>
<td>2.94</td>
</tr>
<tr>
<td>- with single tyres 435/50 R0,5</td>
<td>m</td>
<td>2.76</td>
<td>3.08</td>
<td>3.08</td>
<td>2.74</td>
<td>2.87</td>
</tr>
<tr>
<td>- with double tyres 275/70 R 22.5</td>
<td>m</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2.86</td>
<td>3.00</td>
</tr>
<tr>
<td>- with single tyres 455/45 R 22.5</td>
<td>m</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2.86</td>
<td>3.00</td>
</tr>
<tr>
<td>Total vehicle height (with air suspension)</td>
<td>m</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3.22 (3.27)</td>
<td>3.22 (3.27)</td>
</tr>
<tr>
<td>- with single tyres 435/50 R0,5</td>
<td>m</td>
<td>2.83</td>
<td>3.17</td>
<td>3.17</td>
<td>2.82</td>
<td>2.96</td>
</tr>
<tr>
<td>- with double tyres 275/70 R 17,5</td>
<td>m</td>
<td>2.76</td>
<td>3.09</td>
<td>3.09</td>
<td>2.74</td>
<td>2.87</td>
</tr>
<tr>
<td>- with single tyres 455/45 R 22.5</td>
<td>m</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2.86</td>
<td>3.00</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>m</td>
<td>3.17</td>
<td>3.17</td>
<td>3.17</td>
<td>3.22 (3.27)</td>
<td>3.22 (3.27)</td>
</tr>
<tr>
<td>Total outside wheel width</td>
<td>m</td>
<td>2.12</td>
<td>2.12</td>
<td>2.12</td>
<td>2.12</td>
<td>2.12</td>
</tr>
<tr>
<td>Tyres 305/30 R 10.5</td>
<td>m</td>
<td>2.25</td>
<td>2.25</td>
<td>2.25</td>
<td>2.30</td>
<td>2.30</td>
</tr>
<tr>
<td>Front outside wheel width</td>
<td>m</td>
<td>2.25</td>
<td>2.25</td>
<td>2.25</td>
<td>2.25</td>
<td>2.25</td>
</tr>
<tr>
<td>Rear outside wheel width</td>
<td>m</td>
<td>2.35</td>
<td>2.35</td>
<td>2.35</td>
<td>2.30</td>
<td>2.30</td>
</tr>
<tr>
<td>4-wheel steering</td>
<td>m</td>
<td>2.37</td>
<td>2.37</td>
<td>2.37</td>
<td>2.37</td>
<td>2.37</td>
</tr>
<tr>
<td>Turning radius with front–wheel steering</td>
<td>m</td>
<td>6.23</td>
<td>6.23</td>
<td>6.23</td>
<td>6.66</td>
<td>6.66</td>
</tr>
<tr>
<td>- outside front (V)</td>
<td>m</td>
<td>7.63</td>
<td>7.63</td>
<td>7.63</td>
<td>8.50</td>
<td>8.50</td>
</tr>
<tr>
<td>- outside rear (H)</td>
<td>m</td>
<td>5.37</td>
<td>5.37</td>
<td>5.39</td>
<td>6.39</td>
<td>6.39</td>
</tr>
<tr>
<td>- inside (I)</td>
<td>m</td>
<td>2.68</td>
<td>2.68</td>
<td>2.60</td>
<td>3.50</td>
<td>3.50</td>
</tr>
<tr>
<td>Turning radius with 4-wheel steering</td>
<td>m</td>
<td>4.86</td>
<td>4.86</td>
<td>5.08</td>
<td>6.00</td>
<td>6.00</td>
</tr>
<tr>
<td>- outside front (V)</td>
<td>m</td>
<td>1.60</td>
<td>1.60</td>
<td>1.50</td>
<td>2.23</td>
<td>2.23</td>
</tr>
<tr>
<td>- outside rear (H)</td>
<td>m</td>
<td>4.86</td>
<td>4.86</td>
<td>5.08</td>
<td>6.00</td>
<td>6.00</td>
</tr>
<tr>
<td>- inside (I)</td>
<td>m</td>
<td>2.68</td>
<td>2.68</td>
<td>2.60</td>
<td>3.50</td>
<td>3.50</td>
</tr>
<tr>
<td>Turning radius with 4-wheel steering</td>
<td>m</td>
<td>6.23</td>
<td>6.23</td>
<td>6.23</td>
<td>6.66</td>
<td>6.66</td>
</tr>
<tr>
<td>Usable mixing capacity</td>
<td>m³</td>
<td>10.0</td>
<td>13.0</td>
<td>15.00</td>
<td>14.0</td>
<td>17.0</td>
</tr>
<tr>
<td>Picking-up width</td>
<td>m</td>
<td>2.00</td>
<td>2.00</td>
<td>2.00</td>
<td>2.00</td>
<td>2.00</td>
</tr>
<tr>
<td>Picking-up height</td>
<td>m</td>
<td>5.00</td>
<td>5.10</td>
<td>5.10</td>
<td>5.00</td>
<td>5.10</td>
</tr>
<tr>
<td>Conveyor drum diameter</td>
<td>m</td>
<td>0.60</td>
<td>0.60</td>
<td>0.60</td>
<td>0.60</td>
<td>0.60</td>
</tr>
<tr>
<td>Elevator width</td>
<td>m</td>
<td>0.58</td>
<td>0.58</td>
<td>0.58</td>
<td>0.58</td>
<td>0.58</td>
</tr>
<tr>
<td>Dead weight approx.</td>
<td>kg</td>
<td>10600</td>
<td>10700</td>
<td>10860</td>
<td>12760</td>
<td>13050</td>
</tr>
</tbody>
</table>

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

(1) actual usable mixing capacity, augers having been deducted from the capacity
(2) depending on the equipment
(3) (3.27m) with 4-wheel steering and tyres 435/50 R 10.5, rear
(4) with air-suspension, the machines can be lowered by approx. 5 cm for a short time
(5) max. Speed 38 km/h

---

**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 all-wheel drive

**Mineral feed funnel**
- Easy to add of small quantities of fodder and fodder additives (optional extra)
- Mounted on 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 70 additional display

---

technical modifications reserved
B. Strautmann & Sohne GmbH u. Co. KG is a medium-sized family-owned business located in the administrative district of Osnabrück. 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.