



**straumann**



*Universal spreader*

**Universal spreader**

**PS 2201**

**PS 2401**

**PS 3401**



# Our big ones: Universal spreader

**Strautmann universal spreaders are exactly the right option for you,**

- ... if you consider manure to be a valuable fertiliser.
- ... if you want to accurately spread manure.
- ... if you want to spread earth-moist lime and compost.
- ... if you want to spread manure in standing livestock.



**Robust**  
All-steel trough with attachments for high performance

**Easily**  
adjustable spreading unit bonnet

**Low wear**  
thanks to large sprockets

**Accurate**  
2-disc universal spreading unit with optimum lateral distribution

**Exact**  
Integrated weighing system (optional on PS 2401 and PS 3401)

**Safe**  
Hydraulic chassis with lift axle for steady roadability

**Comfortable**  
Electronic-hydraulic forced steering axle

**Safe in use**  
Effective cam-type cut-out clutch for drive protection

## Strautmann Universal spreader:

- Accurate
- Robust
- Powerful

With its almost 60 years of spreader experience, Strautmann has continuously developed and adapted the Streublitz to the demands of convinced customers. Be among those who benefit therefrom!

Strautmann is setting standards in terms of stability, long service life and flexibility. A high degree of stability under load and a long service life are the most important features that characterise a good spreader.



Streublitz with side loader from 1957

### Contents

<b>PS spreading units</b>	4-5
<b>Robust equipment</b>	6
<b>Swap body</b>	7
<b>Accurate spreading of lime</b>	8-9
<b>Operating options</b>	10-11
<b>Precision Farming</b>	12-13
<b>Quality in every detail</b>	14
<b>Technical data</b>	15



# Our big ones get things moving ...

## PS 2201 / 3401 – the professional spreader for any application

Our PS spreaders have been designed to meet high demands and strong loads – for ultimate professionals. Due to their large volumes and robust body, they are both very powerful and reliable.



### Features 2201/2401

- Loading capacity of 20–25 m<sup>3</sup>
- Efficient universal spreading unit with a spreading width of up to 24 m
- Hydraulic tandem chassis with optional lift axle & suspension
- Follow-up steering or electronic-hydraulic forced steering axle



### Features 3401

- Loading capacity of 26–32 m<sup>3</sup>
- Efficient universal spreading unit with a spreading width of up to 24 m
- Hydraulic tridem chassis with lift axle and electronic-hydraulic forced steering axle



**Hydraulic slurry door**  
For dosed spreading of fine spreading components such as sewage sludge or compost. Inclined by 10° for utilisation of volume, even material flow and thus protection of drive.



**Milling tines**

- Segment beaters with screwed milling tines
- Easily rotatable and replaceable
- Very easy to install
- Easy removal of spreading beaters without disassembly of bearing due to flange connection



**Universal spreading unit**

- Spreading width of up to 24 m
- Accurate lateral distribution
- Exact spreading pattern
- Maximum throughput rate



**Boundary spreading device**

- Hydraulically adjustable
- For spreading along field edges or waters
- ➔ Exact and clean working
- Available for left-hand or right-hand side



**Spreading disc**  
Wearing plates & throw-shovels

- ➔ Made of Hardox for extremely long service life



**Spreading unit drive – The professional version**

- Cardan shafts instead of chains
- Angular gears instead of chain wheels
- ➔ Low amount of maintenance required with long service life



**Adjustment of spreading unit bonnet**

- Easy adjustment of spreading quality, in height and depth
- Adjustment of spreading unit bonnet enables adaptation to any kinds of spreading material and conditions
- ➔ Saves power & diesel
- ➔ For uncompromising precision



# Robust equipment for demanding applications



### Spreader trough

- All-steel trough with platform of 2.20 m in width
- Easy charging even with large charging equipment
- Increased volume due to 500 mm attachment
- PS 2201: 20 m<sup>3</sup> → 25 m<sup>3</sup>
- PS 2401: 20 m<sup>3</sup> → 27 m<sup>3</sup>
- PS 3401: 26 m<sup>3</sup> → 32 m<sup>3</sup>



### Conical trough shape

- At the rear wider than at the front
- Easy discharge
- Material to be spread is easily pushed off

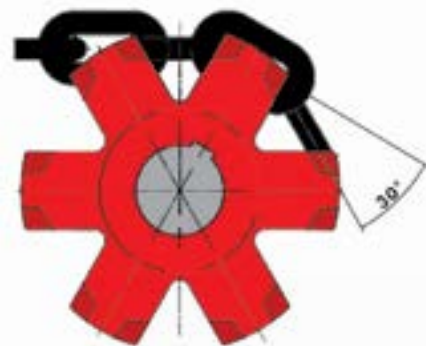


### Transport floor

- 16 mm strong round steel chains with a breaking load of 25 t each
- Clean motion without any problems even in case of sticky spreading materials due to roof profile on every third transport floor strip
- Drive via hydraulic motor

### Large sprocket diameter

- Low wear
- Small turning angle reduces the wear and increases the service life of round steel chains

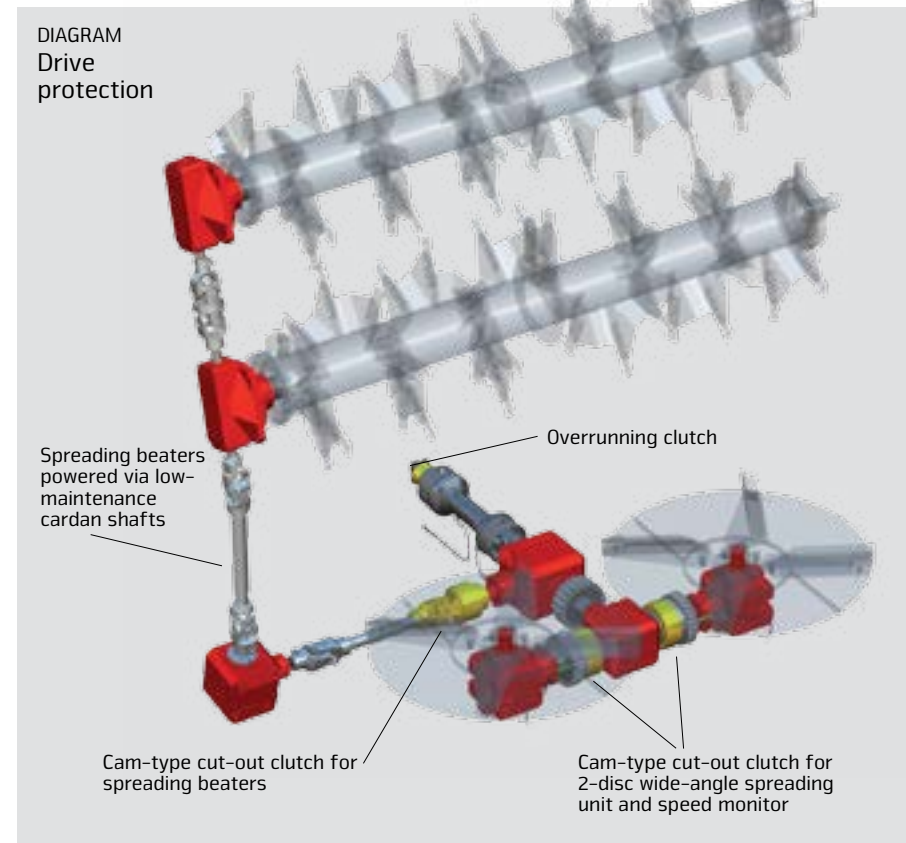


### Automatic tightening of transport floor chain

- Easy visual check of tension
- Easy retightening of chain if necessary
- Upright and comfortable posture during retightening work due to optimum positioning
- Reduces wear → saves costs

### Drive protection

- Separate protection of spreading unit and each individual disc by means of cam-type cut-out clutch
- Gearboxes (red) are protected against damage
- Separate cam-type cut-out clutches (yellow) enable more accurate distribution of power and offer more reliability



# Swap body for utmost versatility



### The Strautmann spreader body on your lorry

Is mobility important to you? Strautmann PS spreader bodies can be easily mounted onto a corresponding lorry chassis by means of suitable connections.

- The ideal solution for road travel
- Low-maintenance even on longer distances
- Cost-effective

### Spreader or forage transport wagon – take advantage of the change of season

The overlapping period between spreader and forage transport wagon use is rather short. Therefore, the chassis can be used with a Strautmann 3401 spreader or forage transport wagon body Giga Trailer 5401. At the change of season, you simply exchange the body and save real money!



Without use of tools  
Quick couplings of hydraulic connectors



Time-saving  
Twist lock fasteners having proved their worth many times over





# Accurate spreading of lime – by means of Strautmann universal spreaders



## Strautmann spreading units speak for themselves!

The PS spreader series upgrades the VS series of the Strautmann spreaders and has even improved the spreading pattern due to more spreading tines. Convincing test results show the excellent quality of the Strautmann spreading units:

In April 2013, the distribution accuracy of the Strautmann universal spreader model VS 1804 was intensively tested in Spain. The results made clear that:

- the spreading material was spread very accurately
- the material was equally spread to both sides in spite of crosswind
- the electronic weighing system supports the accurate distribution

**„... it is one the most reliable and accurate fertiliser spreading trailers available on the market at present.“**

Strautmann spreaders help you to use your valuable fertiliser in the best possible way!



## Our customers are fascinated ...

*„... now able to spread the full package of organic fertilisers such as carbonated lime, compost, litter manure or grape pomace“*

*„This would have been absolutely impossible with our previous model of manure spreader of another make.“*

*„... combined with the exact spreading quantity control and the weighing device, help us to [...] spread the material where we want it – with absolute precision.“*

More field reports by our convinced customers are available at: [www.strautmann.com](http://www.strautmann.com)



Business  
Metternich-Sándor family  
Machine  
Universal spreader VS 1804  
In use since August 2012



Business  
Gebr. Groß, contractor  
Machine  
PS 3401  
In use since the beginning of 2013





# The Strautmänn operating options

## Speed monitor

- With automatic transport floor stop
- Standard equipment with all operating options
- Integrated display with easy-to-use control and ISOBUS



Anzeige bei Direktanschluss

## Direct tractor connection

- Easy & robust
- Setting of the transport floor speed by oil flow control of the tractor



## Electro-hydraulic easy-to-use control

- Easy & safe operation
- Infinitely variable electrical setting of transport floor speed by means of potentiometer



## Transported loads counter

- ➔ As a supplement to direct connection and easy-to-use control
- Transported loads are counted (erasable)



## ISOBUS control and spreading quantity control

- Ideally adapted to the spreader by means of the Field Operator 120
- Intuitive operation due to clear symbols on the illuminated membrane keyboard
- Status of machine and integrated transported loads counter
- Optional integrated weighing system



## Field Operator 300 with field handle (joystick)

- Universal ISOBUS terminal
- Interface for GPS antenna & exchange of data with the farm PC
- Comfortable operation by means of soft keys
- Main keyboard with night design for optimum working in the dark
- Precision Farming compliant

## Comfortable automatic spreading with absolute precision

- Spreading quantity control by volume or via weighing system
- Travelling speed of spreader and hydraulic slurry door position control transport floor feed
- ➔ **Reliable precision – at any time!**







# Everything under control – Precision Farming

The powerful ISOBUS control terminals enable position-related discharge of the spreading materials. Thanks to the data and GPS-aided operation, the spreading material can be accurately spread where it is required in the corresponding quantities to achieve the best possible yield.

### Preparation:

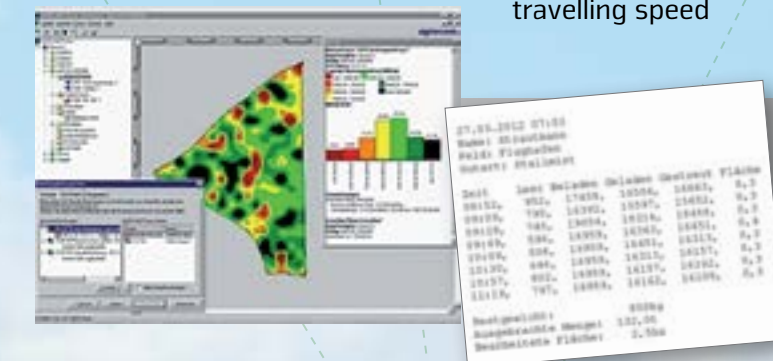
- Analysis of ground condition and transfer to a field catalogue
- Data transfer to a USB data carrier
- Tractor equipped with GPS receiver

### Effects:

- Spreader position on the field is determined via GPS
- Alignment with ground condition
- Automatic adaptation of transport floor speed taking into consideration the hydraulic slurry door setting and the travelling speed

### Your benefit:

- ✓ desired quantity of spreading material is discharged (t/ha or m<sup>3</sup>/ha)
- ✓ The ground is ideally provided with nutrients
- ✓ Maximum yields can be generated
- ➔ **Benefit from your valuable fertiliser in the best possible way!**



The **ISOBUS** control set significantly contributes to reduce the operator's stress due to the fact that functional sequences can be grouped in work flows. Sensors enable better control of the machine. Thus, status indicators help to provide information about the steering axle, the hydraulic slurry door and the speed of the spreading unit components. Furthermore, the terminals illustrated below make the ISOBUS control **precision farming** compliant.



Benefit from experience!  
➔ Tested ISOBUS compliant already in 2006.



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

Get information about possible funding schemes in your region!





# Quality in every detail



### Hydraulic chassis with optional suspension

- Particularly high degree of stability
- Optimum adaptation to ground
- Safety on the field and on the road



### Lift axle

- No negative tongue loads – even when the spreader is half-empty
- Optimum transmission and utilisation of the tractor's tractive force
- Standard equipment on the PS 3401; available as an optional extra on the 2201 with electro-hydraulic control



### LED lighting package

- Round-the-clock operation by means of worklights
- Optimum view at any time



### Electronic-hydraulic forced steering axle

- Protection of ground, tyres and chassis during cornering
- For more driving comfort and safety
- Standard equipment on the tridem version
- Optional extra on the tandem version (standard follow-up steering)



### Drawbar suspension

- For more driving comfort and safety
- Standard mechanical version
- Hydraulic version available as an optional extra



### Wooden bottom

- Clean bottom, clean road
- Mounted below the transport floor
  - ➔ Protects against gross dirt deposits on the chassis – for long conservation of value

## Universal spreader PS 2201 / PS 2401 / PS 3401 (40 km/h)

Technical data				
Model		PS 2201	PS 2401	PS 3401
		2-disc spreading unit	2-disc spreading unit	2-disc spreading unit
Gross vehicle weight rating	kg	22.000	24.000	34.000
Dead weight	kg	9900	11.000	13.700
Inside dimensions of body				
Length up to hydraulic slurry door	m	5,95	6,35	7,80
Length up to spreading unit	m	6,45	6,85	8,40
Width	m	2,20	2,20	2,20
Height	m	1,40	1,40	1,40
Overall dimensions				
Length	m	9,25	9,74	11,30
Width	m	2,55	2,55	2,55
Outside wheel width	m	2,81	2,81	2,81
Height	m	3,71	3,71	3,71
Capacity				
up to hydraulic slurry door	m <sup>3</sup>	19,60	21,00	25,70
Spreading unit clearance	m	1,65	1,65	1,65
Hydraulic slurry door clearance	m	1,50	1,50	1,50
Charging height	m	3,12	3,12	3,12
Dimensions of tyres		710/50 R 26,5	710/50 R 26,5	710/50 R 26,5
Power required from	kW/PS	125/170	135/185	162/220







# strautmann



Strautmann main production facility in Bad Laer

[www.strautmann.com](http://www.strautmann.com)

B. Strautmann & Söhne GmbH u. Co. KG is a medium-sized family-owned company from southern Lower Saxony 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 spreader and transport technology as well as in the field of charging and dosing technology for biogas plants, Strautmann is the competent partner for almost any customer in this industry.



Pol-Strautmann



**B. Strautmann & Söhne GmbH u. Co. KG**

Bielefelder Straße 53 · D-49196 Bad Laer · Phone: +49 (0)5424/802-0 · Fax: +49 (0)5424/802-76 · [info@strautmann.com](mailto:info@strautmann.com) } [www.strautmann.com](http://www.strautmann.com)