



FLEXIBLE AND PRECISE

Spreading technology especially
for small working widths and suitable
for every retrofitting: the UniSpread
universal system from Vogelsang

VOGELSANG – LEADING IN TECHNOLOGY

INGENIOUS COMPACT ALL-ROUNDER

The UniSpread – the versatile universal linkage

When it comes to dribble bar systems, obtaining the largest width possible isn't always the best solution. Depending on the field length, tanker and towing vehicle, many experienced farmers like to use smaller-scale spreading techniques because they are better suited to the conditions and offer easier handling. This is why Vogelsang's technical developers have now taken the experience and knowledge they've gained in recent years, plus the resulting innovative optimizations to our larger linkages, and applied them to develop a much smaller and better manoeuvrable model.

And the best: It is ideally suited for the simple retrofitting to smaller tankers. The optimal solution for farms that have to invest in new technology for example based on new fertilizer ordinances.

The clincher? The new UniSpread is made for dribble bar and for trailing shoe systems! Whether grassland, field, growing stock or arable farming, applied with a dribble bar, BaseRunner sliding skate or BlackBird trailing shoe – you decide how to use UniSpread to meet your needs. Like all Vogelsang linkages, the new universal linkage offers extremely precise operation and can be equipped with any type of liquid manure outlet.

The UniSpread, which is specially designed for small working widths, is naturally also equipped with everything that makes a Vogelsang dribble bar system so uniquely robust, precise and reliable. For example, it comes with the Vogelsang precision distributor. This ensures maximum distribution accuracy when used with the UniSpread as well. Variable suspension options allow quick installation, while various safety features ensure safe, clean transport.

UniSpread: a universal spreading linkage, classic Vogelsang

Dribble bar systems and trailing shoe linkages from Vogelsang are trusted by agricultural businesses worldwide thanks to their strength, durability and practical functionality. Basically, owners benefit from above-average nutrient-efficient distribution of liquid manure directly on the ground.

Thanks to the robust frame construction, the well thought-out hose layout and the precision distributors with a coefficients of variation of less than 5% the liquid manure can be applied precisely and close to the ground.



Whether it's arable land, growing crops or grassland – the new UniSpread universal linkage by Vogelsang can be equipped for every type of soil.

THOROUGHLY THOUGHT OUT

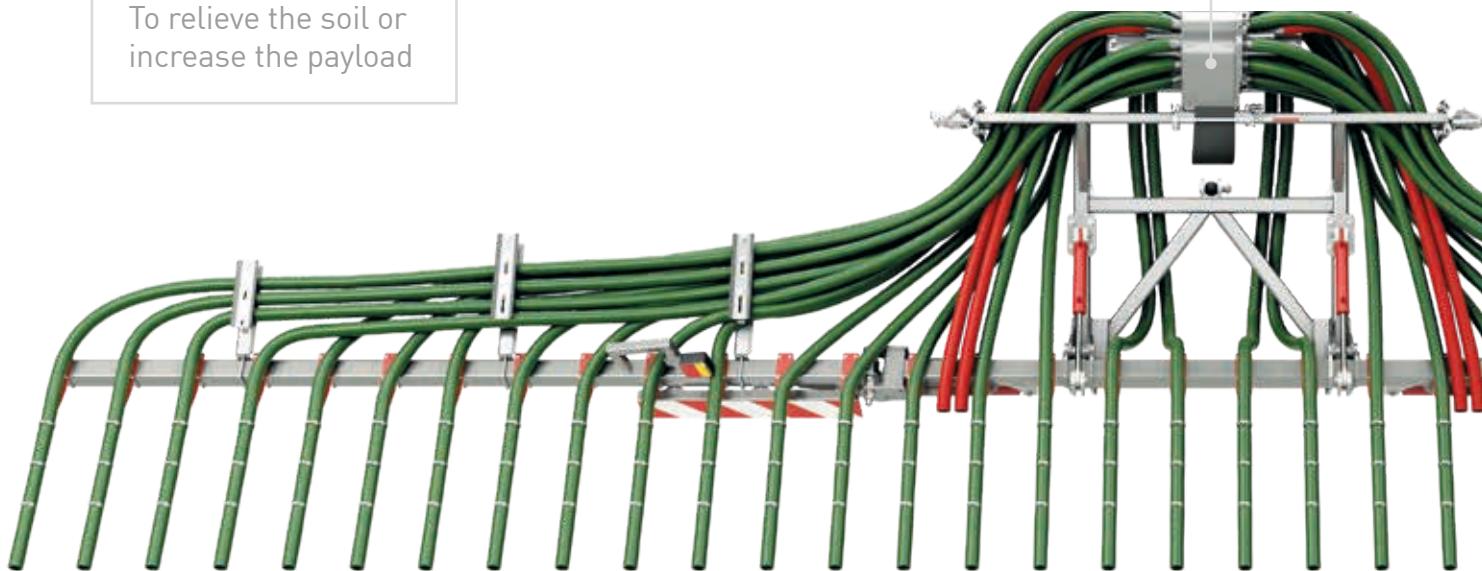
For individually combinable maximum performance

Precision distribution

Maximum reliability, precise distribution of nutrients and optimal shredding of foreign and fibrous matter for minimized downtime

Low weight

To relieve the soil or increase the payload



SPECIFICATIONS

Working width	6 m	7,5 m	9 m	9 m	10,5 m
Folding end arm	no	manual	manual	automatic	automatic
Transport width	2.5 m	2.5 m	3.0 m	2.5 m	2.5 m
Transport height (on the barrel)	2.8 m	3.5 m	3.9 m	3.1 m	3.4 m
Hose distance	0.25 m	0.25 m	0.25 m	0.25 m	0.25 m
Outlets	24	30	36	36	42
Weight (hose)	560 kg	660 kg	730 kg	770 kg	810 kg
Weight (shoe)	600 kg	710 kg	790 kg	850 kg	900 kg

The ExaCut precision distributor: the source of precision

At the heart of the UniSpread, the powerful ExaCut reliably shreds fibrous materials to a minimal size. The liquid manure assumes a homogeneous consistency and can therefore be evenly distributed to the hoses. At the same time, foreign matters are reliably separated using an integrated foreign matter separator to prevent clogging.

Transport and installation: easy to use throughout the day

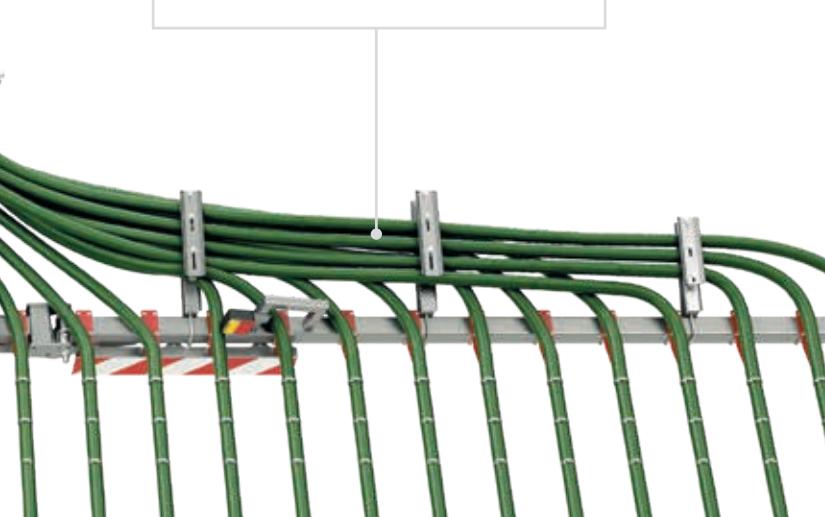
UniSpread linkages are attached directly behind a tanker using a 4-point hitch or are permanently mounted to a tanker using a 3-point hitch. The plug-and-play system only needs to be mounted on the tank or tractor to get started. It is delivered completely preassembled. The system includes hydraulic safety clamps, which are attached to the frame of the device to hold the folded frame and secure it during transport. The use of additional bracket systems is no longer required.



ExaCut precision distributor

Vogelsang special hose

Robustness, elasticity and UV resistance thanks to unique production process



Absolutely compact

Transport dimensions in each working width of max. 2.55 m

High flexibility

- Choose between two different outlets
 - Dribble bar with leaf springs
 - Trailing shoe
- Selection of the precision distributor
 - ExaCut ECQ service sensation
 - ExaCut ECL with maximum cutting performance
- Small linkage with low overall weight
- Part-width section cut off by ball valves
- Plug-and-play installation
- Flexible mounting with 3-point or 4-point version
- Splash plate with gate valves and T-fitting
- Hydraulic sequence control (optional)
- Support wheels for an optimal working pattern on extreme slopes (optional)

Long service life

- Durable, UV-resistant hose material
- Extremely resilient hose ends and trailing shoes
- Robust, fully galvanized frame design
- Reliable precision distributor ExaCut

Safe transport

- Transport width: less than 2.5 m
- DropStop mechanism prevents the liquid manure from dripping during transport or on headland
- Integrated transport locks

Optional control

- Manual toggle switch control
- Convenient and simple operation from the cab
- Control via a tractor control unit or via load sensing



Manual toggle switch control

GREATER CONVENIENCE, MORE OPTIONS

**UniSpread universal linkage
with two different hose ends**

Regardless to the hose ends which will be choosed for the UniSpread – the liquid manure will placed directly under the plant. And to make sure that this works for the next years not only the frame itself is made of robust, fully galvanized steel, even the hoses are through that unique Vogelsang manufacturing processes extremely resistant. They stay permanently elastic and UV-resistant.





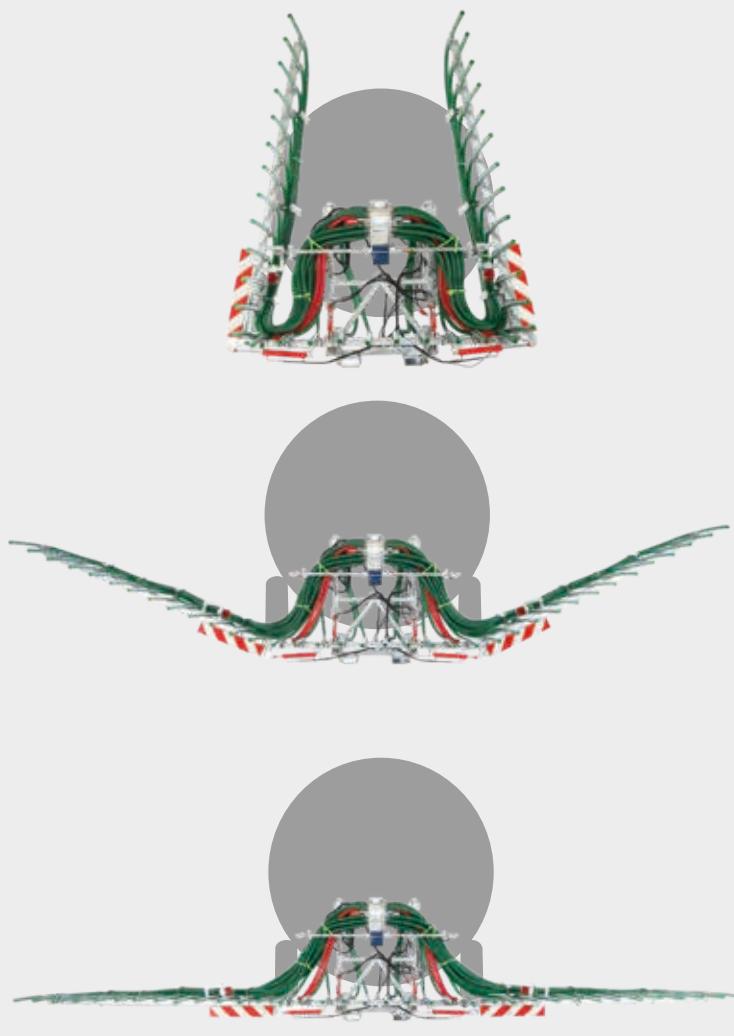
Dribble bar

Although this technique is not practiced by many users, it's also possible to pull dribble bar ends over the ground so that they divide the crops, which serves to directly deposit the liquid manure on the ground. The deposited liquid manure seeps right into the soil and the crops form a cover over it, protecting the liquid manure from the wind and sun and preventing the nutrients from escaping as much as possible. Excessive wear and tear due to the literal towing need not be feared, as the dribble bar ends supplied by Vogelsang are made of high-quality plastic. So wear remains minimal and the deposit track remains precise.



Trailing shoe

For efficient liquid manure spreading on corn and grassland the UniSpread can be equipped with trailing shoes. These shoes are equipped with an integrated skid that support to divide the growing crops to place the liquid manure in a narrow band behind the skid – and thus under the plant. Based on this the nutrients are placed close to the roots and can be optimally absorbed without polluting the plants themselves. The BlackBird is an innovative form of trailing shoe developed on the basis of intensive studies on the flow behavior of liquid manure and complex flow simulations. The beak-like and elongated shape calms the liquid manure flow at the outlet and provides a more controlled, even flow. This results in unprecedented precision in depositing liquid manure directly on or in the ground. In addition, the BlackBird runner has been given a pointed wearing edge for better ground penetration. Like all hose ends on the UniSpread, the BlackBird trailing shoe shows only minor signs of wear, even after years of use. Furthermore, any traces of wear have no influence on the shape of the track opened in the ground by the runner.



For a simple, quiet transport, the UniSpread is folded completely **behind the vehicle**. Hydraulic safety clamps on the frame secure the linkage while driving. In the working widths of 9 m and 10.5 m, the **automatic folding end arm** makes the extremely compact transport dimensions possible.

Advantages of the UniSpread

- High distribution accuracy thanks to ExaCut precision distributor
- Extraordinarily precise manure spreading
- Flexible application options through individually selectable hose end
- Compact linkage with low overall weight
- Long service life thanks to materials in robust Vogelsang quality
- Safe, easy transport

What we offer

We provide solutions in the following sectors:

AGRICULTURAL TECHNOLOGY, BIOGAS,
INDUSTRY, TRANSPORTATION, WASTEWATER



Our broad range of products and services

- Consulting and service
- Data management and control technology
- Disintegration technology
- Individually tailored solutions for special applications
- Pumps and pump systems
- Solid matter feeders
- Solids reduction, separators and mixers
- Spreading technology
- Supply, disposal and cleaning

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Vogelsang GmbH & Co. KG
Holthoege 10 – 14 | 49632 Essen (Oldenburg) | Germany
Phone: +49 5434 83 - 0 | Fax: +49 5434 83 -10
germany@vogelsang.info

vogelsang.info

VOGELSANG 