


# THE RIGHT ANSWER FOR SLURRY TECHNOLOGY

## VOGELSANG – LEADING IN TECHNOLOGY

NEW

VOGELSANG
BETEC




# Something new is taking shape

## Welcome to our new, comprehensive spreading technology offer

**Our new brand!**
With immediate effect, Vogelsang and BeTEC have combined their strengths in the field of slurry application booms and, under the Vogelsang-BeTEC brand, have created a new, comprehensive range to suit every application, every user and every budget.

**New product portfolio**
The new product range is clearly structured into the following product categories
- „SideClosing" trailing shoe linkages
- „BackClosing" trailing shoe linkages
- Dribble bar linkage
- Umbilical systems

**SideClosing**
For working widths ranging from 7.5 to 18 metres, we continue the tried-and-tested **BlackBird Single, Light** and **Pro** product range.

With the **RedLine** and the **GreenLine**, as well as various standard and optional packages, we also distinguish between the efficient basic type (GreenLine) and the advanced professional solution (RedLine).

For working widths of 21 to 30 metres, the **XTrail** and **XTrail Plus** applicators strengthen our portfolio. The professional solution, the **BlackBird Max 30 m**, remains a key component of our portfolio.

**BackClosing**
The new, more comprehensive range of BackClosing applicators opens up many new possibilities for both mounted and self-propelled vehicles:

With the **Stylo** and **Hilly** series, complemented by the **UniSpread** range, solutions are available in working widths from 6 to 12 metres to meet all requirements for retrofitting and fixed mounting. For widths above 12 metres and up to 30 metres, we also present the well-known **Cameleon** and **Cameleon Light** series, designed specifically for self-propelled vehicles.

**Dribble bar linkages**
In the dribble bar segment, we continue the **SwingUp** (7.5 to 18 m), **SwingMax** and **SwingMax Slide** (21 to 36 m) ranges.

**Umbilical solutions**
All BackClosing solutions ranging from 6 to 30 metres (**Stylo, Hilly, UniSpread, Cameleon Light** & **Cameleon**), supplemented by **BackPac** 21 to 30 metres, can be adapted for umbilical spreading!

**Slurry macerators**
The range of distributor heads is also expanding: in addition to the tried-and-tested **ExaCut** eccentric technology in the **ECL, ECM** and **ECQ** variants, the BlackBird GreenLine range, as well as the Stylo, Hilly and Cameleon & Cameleon Light series, are now available with the **OptiCut** distributor featuring a spring-preloaded cutting unit.


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CAMELEON 21.0

# Tried-and-tested-our BlackBird® family

## RedLine and GreenLine – the tried-and-tested BlackBird design in two types

**7.5 m – 18 m: The BlackBird® family**
For working widths of 7.5 to 18 m, we continue with the tried-and-tested **BlackBird** product range, comprising the **Single, Light** and **Pro** series.

We use the terms **RedLine** and **GreenLine** to distinguish the efficient basic type (GreenLine) from the advanced professional solution (RedLine).

The **RedLine**, visually recognisable by its striking red parts, is the **advanced solution** for the more demanding applications of the professionals. For maximum performance, **ExaCut** slurry macerators and **PrecisionFlow skids** are standard here. Macerator upgrades and option packages such as **DoubleFlow** and **NightShift** are available as well.

The **GreenLine**, with its green parts, is the value-for-money **basic solution**, which offers sufficient performance in a wide range of applications thanks to **OptiCut** distribution technology and standard skids.

**21 – 30 m: XTrail and BlackBird® Max**
In working widths of 21 to 30 m, the high-performance **XTrail** and **XTrail Plus** applicators, featuring up to 4 slurry macerators, strengthen the range. The highly flexible **BlackBird Max 30 m** remains a key choice, particularly for big-size farms and contractors.






**BlackBird® general features**

- Easy retrofitting; road safety mechanism integrated into the side arm cylinder
- Optimal ground adaptation thanks to passive pendulum compensation
- DropStop: reduces contamination at headlands, on roads and paths
- 3D impact protection: secures and protects the linkage

**GreenLine – features & options**

- OptiCut slurry macerators with spring-loaded cutting unit
- Standard skids
- Optional: Upgrade to ExaCut ECL distributor, standard twin skids

**RedLine – features & options**

- Precise slurry distribution thanks to the ExaCut ECL, ECM or ECQ slurry macerators
- Reduced wear: Lightweight skids made from special plastic with carbide inserts (Single, Light) or cast skids (Pro)
- PrecisionFlow: flow-optimised skids for minimal crop contamination
- Optional: DoubleFlow twin skids, NightShift boom lighting



**BlackBird Single 7.5 m - 12 m**
Ideal for retrofitting in fixed mounting



**BlackBird Light 12 m - 15 m**
Ideal for retrofitting in fixed mounting



**BlackBird Pro 12 m - 18 m**
Fixed mounting or 4-point receptacle



**XTrail, XTrail Plus 21 m - 30 m**
Fixed mounting or 4-point receptacle

| | BlackBird Single | | BlackBird Light | | BlackBird Pro | | XTrail | XTrail Plus | BlackBird Max |
|---|---|---|---|---|---|---|---|---|---|
| | RedLine | GreenLine | RedLine | GreenLine | RedLine | GreenLine | | | |
| Working width (m) | 7.5 \| 9 \| 10.5 \| 12 | 7.5 \| 9 \| 10.5 \| 12 | 12 \| 15 | 12 \| 15 | 12 \| 15 \| 18 | 12 \| 15 \| 18 | 21 \| 24 | 27 \| 30 | 30 |
| Transport width (m) | 2.55 | 2.55 | 2.99 | 2.99 | 2.99 | 2.99 | 2.99 | 2.99 | 2.99 |
| Hose distance (cm) | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Slurry macerator | 1 x ExaCut ECL | 1 x OptiCut | 2 x ExaCut ECM | 2 x OptiCut | 2 x ExaCut ECM | 2 x OptiCut | 2 x OptiCut | 4 x OptiCut | 4 x ExaCut ECM |
| Trailing shoe | Premium | Standard | Premium | Standard | Premium | Standard | Standard | Standard | Premium |
| Terrain adjustment | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |



# The right solution for every requirement

## A wide range of applicators to meet the various requirements, from retrofitting to new installations in on-farm mechanization



**Stylo 6 m – 9 m**
The cost-effective entry-level solution



**Hilly 10,5 m – 12 m**
For tanker and self-propelled vehicles



**UniSpread 6 m – 12 m**
The flexible applicator for all working widths



# Performance for professionals

## High-performance BackClosing applicators for powerful tankers and self-propelled slurry tankers



**Cameleon Light 12 m – 15 m**
Reduced weight ideal for umbilical use

**Cameleon Light 12 m – 30 m**
Our pro-version for self-propelled vehicles

| | Stylo | Hilly | UniSpread | Cameleon Light | Cameleon |
|---|---|---|---|---|---|
| Working width (m) | 6 \| 7.5 \| 9 | 10.5 \| 12 | 6 \| 7.5 \| 9 \| 10.5 \| 12 | 12 \| 15 | 12 \| 15 \| 18 \| 21 \| 24 \| 27 \| 30 |
| Transport width (m) | 2.55 | 2.7 | 2.55 | 2.55 | 2.55 \| 2.55 \| 2.99 \| 2.99 \| 2.99 \| 2.99 \| 2.99 |
| Hose distance (cm) | 25 | 25 | 25 | 25 | 25 |
| Slurry macerator | 1 x OptiCut | 1 x OptiCut | 1 x ExaCut ECL | 2 x OptiCut | 2 \| 2 \| 2 \| 4 \| 4 \| 4 x OptiCut |
| Trailing shoe | Standard | Standard | Premium | Standard | Standard |
| Umbilical option | Yes | Yes | Yes | Yes | Yes |
| Terrain adjustment | Yes | Yes | Yes | Yes | Yes |



# Lightweight construction, powerful performance

## SwingUp dribble bar with compact dimensions for universal application



**SwingUp 7.5 m – 9 m**
Versatile use with compact dimensions



**SwingUp 12 m – 18 m**
Proven technology that pays off

| | SwingUp | SwingUp | SwingMax | BackPac |
|---|---|---|---|---|
| Working width (m) | 7,5 \| 9 | 12 \| 15 \| 18 | 21 \| 24 \| 27 \| 28 \| 30 \| 36 | 21 \| 24 \| 27 \| 30 \| 32 |
| Transport width (m) | 2,55 | 2,99 | 2,99 \| 3,40 | 2,55 |
| Hose distance (cm) | 25 \| 30 | 25 \| 25 \| 30 | 26 \| 25 \| 30 \| 28 \| 29 \| 31 \| 30 | 26 \| 25 \| 30 \| 28 \| 31 \| 33 |
| Slurry macerator | 1 x ExaCut ECL | 2 x ExaCut ECL | 2 x (36m 3 x) ExaCut ECL | 2 x ExaCut ECL |
| Trailing shoe | No | No | BaseRunner (not 36 m) | Base Runner (not 32 m) |
| Umbilical option | No | No | No | Yes |
| Terrain adjustment | No | No | Yes | Yes |



# Maximum power and flexibility

## Swing Max and BackPac – professional booms for powerful and efficient spreading up to 36 metres



**SwingMax 21 m – 36 m**
Maximum impact and flexibility



**BackPac 21 m – 32 m**
Lightweight, sturdy and low in soil compaction



**All working widths from 21 to 30 m are also available with BaseRunner trailing shoes at a choice!**



# The heart of all spreading systems

## Slurry macerators for high-performance and accurate slurry distribution



## Overview of Vogelsang distribution technology

### ExaCut slurry macerator



**ExaCut ECL**

- Unique eccentric adjuster technology
- World's best-selling distributor
- Self-sharpening knives



**ExaCut ECQ**

- Unique eccentric adjuster technology
- Easy maintenance, big service port
- Long service life
- Low power requirements



**ExaCut ECM**

- Unique eccentric adjuster technology
- No air suction needed
- Extreme cutting power thanks to innovative rotor design

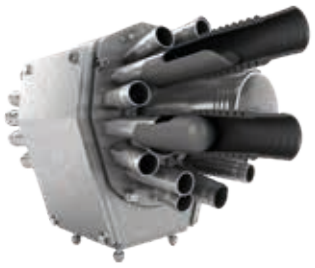
### OptiCut slurry macerator



**OptiCut**

- Spring-preloaded cutting unit
- Various sizes

### Additional equipment



**Comfort Flow Control (CFC)**

- Deactivation of defined hose groups
- For part-width sections or tramlines

# When it comes to service, we leave nothing to chance

## As always: comprehensive services to ensure smooth operation and a long lifetime

**Support and supply from A to Z**
Because we know that being close to our customers plays a key role in our shared success, we tailor our service accordingly.

In Germany and the countries where we have branches, we guarantee constant communication and reliable support for our customers through our own service centres or authorised partners.

This means that at every stage of our collaboration you will always receive the right support.To this end, highly qualified staff are at your disposal – experts, consultants and technicians who know your machine inside out.

**We think ahead**
This starts with our comprehensive and detailed documentation. Spare parts are available in no time at all thanks to our high level of in-house production. You'll always find an authorised service partner near you to help with repairs and wear part replacement.

The Vogelsang ServicePack complements our range of services. Whether it's start-up, on-site training and in-factory training, or a full service package with a maintenance contract and a wear part service package – we offer the right support to meet every customer's needs.



Since its establishment in 1929, Vogelsang has become an internationally recognized mechanical engineering company with numerous branches, sales centers and subsidiaries.

**What we offer**

We provide solutions in the following sectors:
AGRICULTURAL TECHNOLOGY, BIOGAS, INDUSTRY,
INFRASTRUCTURE, 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
- Spreading technology
- Supply and disposal systems for railway, busses and boats
- Wet grinders and solids reduction as well as separation technology

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