



SOLUTIONS FOR EFFICIENT SLURRY MANAGEMENT

VOGELSANG – LEADING IN TECHNOLOGY

VOGELSANG







Modern and efficient spreading technology

Spreading systems for every application

Flexible for every application: Sophisticated system solutions for different areas of application – individual and reliable.

Maximum slurry maceration accuracy, minimum maintenance time:

The ExaCut slurry macerator ensures even spreading with powerful cutting force and precise maceration – including QuickService in less than 20 minutes (ECQ).

Quick start without initial wedge: Centrally positioned slurry macerators and optimized hose routing enable slurry flow at all outlets within a few seconds (2 seconds according to DLG test report 7540 – BlackBird 15 m with ECQ).

Precise and efficient slurry spreading: Flexible section control for every requirement – with half-side shut-off via slider or targeted control of individual hoses and hose groups via Comfort Flow Control (CFC) – also suitable for SectionControl.

Longer service life, lower maintenance costs: Robust, elastic special hose, UV-resistant thanks to a unique manufacturing process.

Clean application even on uneven terrain: Systems adapt optimally to the ground contour – for even and plant-friendly slurry spreading.

Greater stability and lifetime: Weight-optimised support structures, developed using state-of-the-art simulation technology, can withstand even the highest loads.

Minimum transport widths with maximum impact: Compact transport dimensions combined with large working widths of up to 36 m enable high volume and efficient working.

Quick retrofitting, high flexibility: Thanks to EasyPack, many systems are pre-assembled and immediately ready for self-installation – for easy integration into your operation.

BlackBird® Single trailing shoe slurry applicator (7.5 to 12 m)

Perfection in a compact space

Slim, light, unique

Advantages:

- Evenly applied slurry: Central ExaCut ECL or ECQ slurry macerator ensures optimum slurry application
- Easy retrofitting: Road safety devices integrated into the boom supports flexible tank mounting without predefined side mounting points
- Optimum ground adaptation thanks to passive pendulum compensation
- DropStop: Less contamination caused at headlands, on roads and farm tracks
- No standstill after collisions: 3D collision protection secures the applicator from severe damage
- Weight saving: Lightweight skids made of special plastic with carbide inserts offer high wear resistance
- PrecisionFlow: Flow-optimised skids support minimal plant contamination
- Active pressure on all skids (up to 12 kg)

FEATURES AND OPTIONS:

- Slurry macerator upgrade ExaCut ECQ instead of ECL
- DoubleFlow: Reduced hose spacing of 12.5 cm
- Separate control box for manual control
- NightShift: LED boom lighting

SPECIFICATIONS

Max. throughput capacity: up to 7,000 l/min (depending on pressure and flow rate as well as DS content)

Transport width up to tank diameter 2 m: < 2.55 m

Working width in m	Foldable to in m	Number of slurry macerators	Shoe distance in cm	Weight (basic version) in kg
7.5	2.55	1	25	870
9	2.55	1	25	930
10.5	2.55	1	25	990
12	2.55	1	25	1,050



BlackBird® Light trailing shoe slurry applicator (12 to 15 m)

Easy fit on any tank

Innovative and ultra-light

Advantages:

- Minimum weight with maximum stability
- Even slurry : Two ExaCut ECM slurry macerators without air suction ensure optimum slurry application
- Easy retrofitting: Road safety devices integrated into the boom supports flexible tank mounting without predefined side mounting points
- Optimum ground adaptation through passive pendulum compensation
- DropStop: Less contamination caused at headlands, on roads and farm tracks
- No standstill after collisions: 3D collision protection secures the applicator from severe damage
- Weight saving: Lightweight skids made of special plastic with carbide inserts offer high wear resistance
- PrecisionFlow: Flow-optimised skids support minimal plant contamination
- Active pressure on all skids (up to 12 kg)

FEATURES AND OPTIONS:

- DoubleFlow: Reduced hose spacing of 12.5 cm
- Separate control box for manual control
- Section control: via slide valve & ball valve shut-off
- Spreader head preparation
- NightShift: LED boom lighting

SPECIFICATIONS

Max. throughput capacity: up to 14,000 l/min
(depending on pressure and flow rate as well as DS content)

Transport width up to tank diameter 2.1 m: < 3 m

Working width in m	Foldable to in m	Number of slurry macerators	Shoe distance in cm	Weight (basic version) in kg
12	2.99	2	25	1,325
15	2.99	2	25	1,400



BlackBird® Pro trailing shoe slurry applicator (12 to 18 m)

Made for professionals, DLG certified

Minimal nutrient losses due to precise slurry placement

Advantages:

- Best accuracy thanks to perfectly matched components (DLG test report 7540)
- Full slurry at all outlets within 2 seconds: this minimises start-up wedges (DLG test report 7540)
- Easy retrofitting: Road safety devices integrated into the boom supports flexible tank mounting without predefined side mounting points
- DropStop: Less contamination caused at headlands, on roads and farm tracks
- No standstill after collisions: 3D collision protection secures the applicator from severe damage
- PrecisionFlow: Flow-optimised skids support minimal plant contamination
- Active pressure on all skids (up to 12 kg)
- Low wear: Better penetration into the bottom and maximum service life thanks to robust cast skids
- Optimal ground adaptation thanks to integrated pendulum compensation

FEATURES AND OPTIONS:

- Direct mounting or 4-point type with mounting feet
- Slurry macerator upgrade ExaCut ECQ instead of ECM
- DoubleFlow: Reduced hose spacing of 12.5 cm
- Separate control box or ISOBUS application for manual control
- Section control: via slide valve and ball valve shut-off or Comfort Flow Control (CFC)
- Hydraulic stone trap
- Spreader head preparation
- NightShift: LED boom lighting

SPECIFICATIONS

Max. throughput: Up to 14,000 l/min (depending on pressure and flow rate, and the dry matter content)
Transport width up to tank diameter 2.1 m: <3 m

Working width in m	Foldable to in m	Number of slurry macerators	Shoe distance in cm	Weight (basic version) in kg
12		2	25	1,475
15		2	25	1,550
18	15	2	25	1,980



BlackBird® Max trailing shoe slurry applicator (21 to 30 m)

Maximum impact, highest flexibility

Unprecedented flexibility and ground adaptation

Advantages:

- Optimal ground adaptation thanks to applicator with innovative height and pendulum compensation on each boom
- High flexibility: 30 m variant makes working widths of 30 m, 27 m, 24 m and 21 m possible
- DropStop: Less contamination caused at headlands, on roads and farm tracks
- No standstill after collisions: 3D collision protection secures the applicator from severe damage
- Precision Flow: Flow-optimised skids support minimal plant contamination
- Active skid pressure setting via hydraulics
- Low wear: Better penetration into the bottom and maximum service life thanks to robust cast skids

FEATURES AND OPTIONS

- Direct mounting or 4-point type with mounting feet
- Section control: via slide valve or Comfort Flow Control (CFC)
- Hydraulic stone trap
- Hydraulic distributor emptying
- NightShift: LED boom lighting

SPECIFICATIONS

Max. throughput: 21 m and 24 m: up to 15,600 l/min
30 m: up to 17,500 l/min (depending on pressure and flow rate, and the dry matter content)

Transport width:

21 und 24 m up to tank diameter 2.1 m: <3 m
30 m up to tank diameter 2.2 m: <3 m

Working width in m	Foldable to in m	Number of slurry macerators	Shoe distance in cm	Weight (basic version) in kg
21	15	2	25	3,750
24	18	2	25	4,000
30	27 24 21	4	25	6,000



SwingMax dribble bar slurry applicator (21 to 36 m)

Maximum performance and flexibility

Maximum possible impact force
and versatile dribble bar system

Advantages:

- Maximum flexibility: Ideally coordinated folding and sliding mechanisms allow up to four different working widths to be set (without frame parts protruding). Additional hose groups can be switched off individually
- Maximum impact force due to largest possible working widths for soil protection and fewer tramlines
- Dimensionally stable end hoses divide the crop for minimal crop contamination and optimal slurry placement at equally-spaced intervals
- Slope compensation: Optimal adaptation to soil conditions

FEATURES AND OPTIONS:

- 4-point design incl. mounting foot
- Active slope compensation: Inclination angle of the applicator is controllable
- Partial width management: Gate valve or Comfort Flow Control
- TeleShift to reduce the transport length
- End hoses in 50 DN for smooth discharge of the medium
- Central lubrication system
- LED lighting

SPECIFICATIONS

Max. flow rate: up to 15,600 l/min (depending on pressure and flow rate as well as DS content)
Transport width up to tank diameter 2.1 m: <3 m
Transport width for SwingMax 36 m:
Ø 2.10 m: 3.4 m Ø 2.20 m: 3.5 m

Working width in m	Foldable to in m	Number of slurry macerators	Hose distance in cm	Weight (basic version) in kg
21	18 15	2	26.25	2,350
24	21 18	2	25 30	2,300
27	24 21	2	28.13	2,650
28	24,5 21	2	29.17	2,850
30	27 24	2	31.25	2,950
36	30 24	3	30	4,300



SwingMax Slide trailing shoe slurry applicator (21 to 30 m)

Impact force, flexibility and precise slurry spreading

Spreading up to a working width of 30 meters

Advantages:

- Powerful trailing shoe technology: Working widths up to 30 m
- Maximum flexibility: Ideally coordinated folding and sliding mechanisms allow up to four different working widths to be set (without frame parts protruding). Additional hose groups can be switched off individually
- Precise placement of slurry in a narrow band below the crop thanks to dimensionally stable BaseRunner trailing shoes
- Slope compensation: Optimal adaptation to soil conditions

FEATURES AND OPTIONS:

- 4-point design including mounting foot
- Active slope compensation: Inclination angle of the linkage is controllable
- Partial width management: Gate valve or Comfort Flow Control
- TeleShift to reduce the transport length
- Central lubrication system
- LED lighting

SPECIFICATIONS

Max. flow rate: up to 15,600 l/min (depending on pressure and flow rate as well as DS content)
Transport width up to tank diameter 2.1 m: <3 m

Working width in m	Foldable to in m	Number of slurry macerators	Shoe distance in cm	Weight (basic version) in kg
21	18 15	2	26.25	2,400
24	21 18	2	25 30	2,350
27	24 21	2	28.13	2,700
28	24,5 21	2	29.17	2,900
30	27 24	2	31.25	3,000



UniSpread universal slurry applicator (6 to 12 m)

The applicator for small working widths
and more options

The economical entry solution

Advantages:

- Suitable for universal retrofitting on any tanker thanks to fixed mounting or 3/4 point mounting
- More flexibility: Choice between dribble bars or trailing shoes as application element
- Easy installation: Plug & Play installation
- Lightweight applicator with sophisticated slim design for maximum payload
- Highly precise and reliable ExaCut slurry macerator
- Durable, UV-resistant hose material for long service life
- Safe transport with a width of less than 3 m

FEATURES AND OPTIONS:

- Choice between trailing shoe or dribble bar version
- Standard holding and security device
- Slurry macerator upgrade ExaCut ECQ instead of ECL
- Ball valves for part-width section cut-off
- Separate control box for manual control
- Hydraulic sequence control
- Splash plate with slides and T-fitting

SPECIFICATIONS

Max. flow rate: from 4,000 up to 7,800 l/min
(depending on pressure and flow rate as well as DS content)

Working width in m	Number of slurry macerators	Hose distance in cm	Transport width in m	Weight (hose) in kg	Weight (shoe) in kg
6	1	25	2.5	560	600
7,5	1	25	2.5	660	710
9	1	25	2.99	730	790
9*	1	25	2.5	760	840
10,5*	1	25	2.5	790	890
12*	1	25	2.5	940	1,010

* Automatic end arm folding (optional for 9 m).



UniSpread Hosing System (6 to 10.5 m)

Hosing with UniSpread

High area coverage, low ground pressure

Advantages:

- Minimum total weight for low soil pollution
- Maximum flexibility due to easy mounting and dismounting on any UniSpread
- Continuous output for high impact
- Easy to assemble due to cat. 3 mounting
- Lightweight linkage with a sophisticated slim design for maximum payload
- Including patent reversible pipe 125 DN
- Hydraulic slide valve and connection for flushing head in series

FEATURES AND OPTIONS:

- Choice between trailing shoe or dribble bar version
- Standard holding and security device
- Slurry macerator upgrade ExaCut ECQ instead of ECL
- Ball valves for part-width section cut-off
- Separate control box for manual control
- Hydraulic sequence control
- Splash plate with slides and T-fitting
- Swivel joint for easy direction change
- Pressure and flow rate display

SPECIFICATIONS

Max. throughput: from 4,000 up to 7,800 l/min (depending on pressure and flow rate as well as dry matter content)

Working width in m	Number of slurry macerators	Hose distance in cm	Transport width in m	Weight (hose) in kg	Weight (shoe) in kg
6	1	25	2.5	920	960
7,5	1	25	2.5	1,020	1,070
9	1	25	2.99	1,090	1,150
9*	1	25	2.5	1,120	1,200
10.5*	1	25	2.5	1,150	1,250
12*	1	25	2.5	1,300	1,370

* Automatic end arm folding (optional for 9 m).



BackPac dribble bar slurry applicator (21 to 32 m)

Large working widths, lightweight,
universal and super smart

The solution for hosing systems independent
of the towing vehicle

Advantages:

- Minimum total weight of the spreading system for minimum soil compaction
- Very high impact force due to continuous spreading
- Maximum flexibility: Ideally coordinated folding mechanisms allow up to four different working widths to be set, without frame parts protruding and additional hose groups can be switched off individually
- Dimensionally stable end hoses divide the crop for minimal crop contamination and optimal slurry placement at equally-spaced intervals
- Slope compensation: Optimal adaptation to the soil conditions
- Fully automatic control: Maximum user-friendliness thanks to customized headland and folding management
- Maintenance-free joints

FEATURES AND OPTIONS:

- 3-point design including mounting foot
- Active slope compensation: Inclination angle of the linkage is controllable
- ISOBUS capable control
- Digital flow and pressure measurement
- Pulling arm with swivel flange
- Automatic rinsing function
- Partial width management: Gate valve or Comfort Flow Control

SPECIFICATIONS

Max. flow rate: up to 15,600 l/min (depending on pressure and flow rate as well as DS content)

Working width in m	Foldable to in m	Number of slurry macerators	Hose distance in cm	Weight (basic version) in kg
21	18	2	26.25	2,950
24	21 18	2	25 30	3,000
27	24 18	2	28.13	3,250
30	27 24 18	2	31.25	3,300
32	30 27 24 18	2	33.33	3,450



BackPac Slide trailing shoe slurry applicator (21 to 30 m)

Lightweight with high impact force

The flexible trailing shoe system for hosing systems

Advantages:

- Minimal total weight of the slurry spreading system for minimum soil compaction
- Maximum flexibility: Four different working widths without overhanging frame parts and additional hose groups can be switched off individually
- Precise placement of slurry in a narrow band below the crop thanks to dimensionally stable BaseRunner trailing shoes
- Slope compensation: Optimal adaptation to the soil conditions
- Fully automatic control: Maximum user-friendliness thanks to customized headland and folding management
- Maintenance-free joints

FEATURES AND OPTIONS:

- 3-point design including mounting foot
- Active slope compensation: Inclination angle of the linkage is controllable
- ISOBUS capable control
- Digital flow and pressure measurement
- Pulling arm with swivel flange
- Automatic rinsing function
- Partial width management: Gate valve or Comfort Flow Control
- Lifting device

SPECIFICATIONS

Max. flow rate: up to 15,600 l/min (depending on pressure and flow rate as well as DS content)

Working width in m	Foldable to in m	Number of slurry macerators	Shoe distance in cm	Weight (basic version) in kg
21	18	2	26.25	3,150
24	21 18	2	25 30	3,200
27	24 18	2	28.13	3,450
30	27 24 18	2	31.25	3,500



Compax dribble bar slurry applicator (12 to 18 m)

Compact on the road, powerful in the field

The flexible solution for self-propelled vehicles

Advantages:

- Compact design due to intelligent folding mechanisms
- Trimmed for throughput performance: Hose diameter in 50 DN
- Can be attached to any self-propelled vehicle
- Dimensionally stable end hoses divide the crop for minimal crop contamination and optimal slurry placement at equally-spaced intervals
- Slope compensation: Optimal adaptation to soil conditions
- Fully automatic control: Maximum user-friendliness thanks to customized folding management
- Low total weight

FEATURES AND OPTIONS:

- Precise slurry maceration thanks to ExaCut ECL
- 3-point design including mounting foot
- Active slope compensation: Inclination angle of the linkage is controllable
- ISOBUS capable control
- Partial width management: Gate valve or Comfort Flow Control

SPECIFICATIONS

Max. flow rate: up to 12,000 l/min (depending on pressure and flow rate as well as DS content)
Transport width: < 3 m

Working width in m	Number of slurry macerators	Hose distance in cm	Weight (basic version) in kg
12	2	30	1,800
15	2	31.25	1,900
18	2	22.5	2,850



Compax Slide trailing shoe slurry applicator (18 m)

Directly at the plant, compact on the road

The flexible trailing shoe system for self-propelled vehicles

Advantages:

- Compact design due to intelligent folding mechanisms
- Trimmed for throughput performance: Hose diameter in 50 DN
- Can be attached to any self-propelled vehicle
- Precise placement of slurry in a narrow band below the crop thanks to dimensionally stable BaseRunner trailing shoes
- Slope compensation: Optimal adaptation to soil conditions
- Fully automatic control: Maximum user-friendliness thanks to customized folding management
- Low total weight

FEATURES AND OPTIONS:

- Precise slurry maceration thanks to ExaCut ECL
- 3-point design including mounting foot
- Active slope compensation: Inclination angle of the linkage is controllable
- ISOBUS capable control
- Partial width management: Gate valve or Comfort Flow Control
- Optionally with lifting device

SPECIFICATIONS

Max. throughput capacity: up to 12.000 l/min (depending on pressure and flow rate as well as DS content)

Transport width: < 3 m

Working width in m	Number of slurry macerators	Shoe distance in cm	Weight (basic version) in kg
18	2	22.5	2,950



SwingUp dribble bar slurry applicator (7,5 to 18 m)

Proven technology that pays off

Universal use featuring compact dimensions and high-quality workmanship

Advantages:

- All-rounder for slurry spreading: Regardless of the area of application, SwingUp ideally equips for legally compliant slurry spreading*
- Ideal for retrofitting: Easy to attach to any tanker
- Very light and compact – weighs approx. 1,050 kg with a working width of 15 m
- Dimensionally stable end hoses divide the crop for minimal crop contamination and optimal slurry placement at equally-spaced intervals
- DropStop via separate control unit: Swinging up the hoses without folding the side arms

* Not in every country.

FEATURES AND OPTIONS:

- Fixed attachment or 4-point version including mounting foot
- Hydraulic unlocking of the side arms (for fixed attachment)
- Partial width management: Gate valves, ball valves or Comfort Flow Control
- TeleShift to reduce the transport length
- End hoses in 50 DN for smooth flow of the medium
- Separate control box or ISOBUS application for manual control

SPECIFICATIONS

Max. flow rate: up to 14,000 l/min (depending on pressure and flow rate as well as DS content)
Transport width up to tank diameter 2.1 m: <3 m

Working width in m	Number of slurry macerators	Hose distance in cm	Weight (basic version) in kg
7,5	1	25	870
9	1	30	900
12	2	25	990
15	2	25	1,050
18	2	30	1,930



SyreN slurry acidification system

Lower emissions, higher yields

With slurry stabilization
for optimum nutrient utilization

Advantages:

- Superior nutrient utilization thanks to reduction in nitrogen losses of up to 70 %
- Adding sulphuric acid shifts the ammonia-ammonium balance
- Nutrients are available to plants more quickly, emissions are reduced
- Additional fertilization with sulfur and phosphate mobilization
- Increase in yields due to optimized use of nutrients
- High area coverage and fewer lanes keep crop damage to a minimum compared to the injection method
- Even more emission saving for future-oriented slurry management
- Front tank system for maximum safety and practicality

FEATURES AND OPTIONS:

- Additive tank for using nitrification inhibitors available
- The system is connected via ISOBUS using the existing isobus terminal of the tractor or an external terminal
- Three add-on cameras for maximum overview and traffic safety
- ADR safety package
- Front suction arm with PowerFill accelerator for optimal integration into field logistics available

SPECIFICATIONS

Tare weight in kg	1,100
Max. operating weight in kg	3,800
Width in mm	2,512
Depth in mm	1,725
Height in mm	1,392
Oil quantity in l/min	25



SynCult Upgrade Kit

Professional upgrade kit for direct incorporation of slurry

Efficient fitting kit for various cultivators

Advantages:

- Direct incorporation of slurry for optimum use of nutrients
- Combines several work steps in one to save on time and costs
- Pre installed slurry macerator and hose kit with fixtures for a quick and easy installation in factory or for retrofit

FEATURES AND OPTIONS:

- Working widths of 4 - 12 m (depending on the manufacturer)
- Equipped with DosiMat or ExaCut slurry macerators depending on working width
- Adapter system for slurry macerators included
- Hose diameter 50 DN

SPECIFICATIONS

SynCult is available for tillage units by Amazone, Horsch, Köckerling and Lemken. We will be pleased to provide detailed specifications on request.

Flow rates up to 11,000 l/min



XTill® Strip Till System

Strip tillage with optional slurry underfoot fertilization

Innovative working combination

Advantages:

- Combines several work steps in one to save on time and costs
- Tools individually guided on the parallelogram for a precise and consistent working depth
- Adjustable placement depth of the medium, independent of the working depth
- Star-shaped clearing discs separate the crop and ensure a clean furrow
- Each plowshare is protected by a hydraulic stone protector

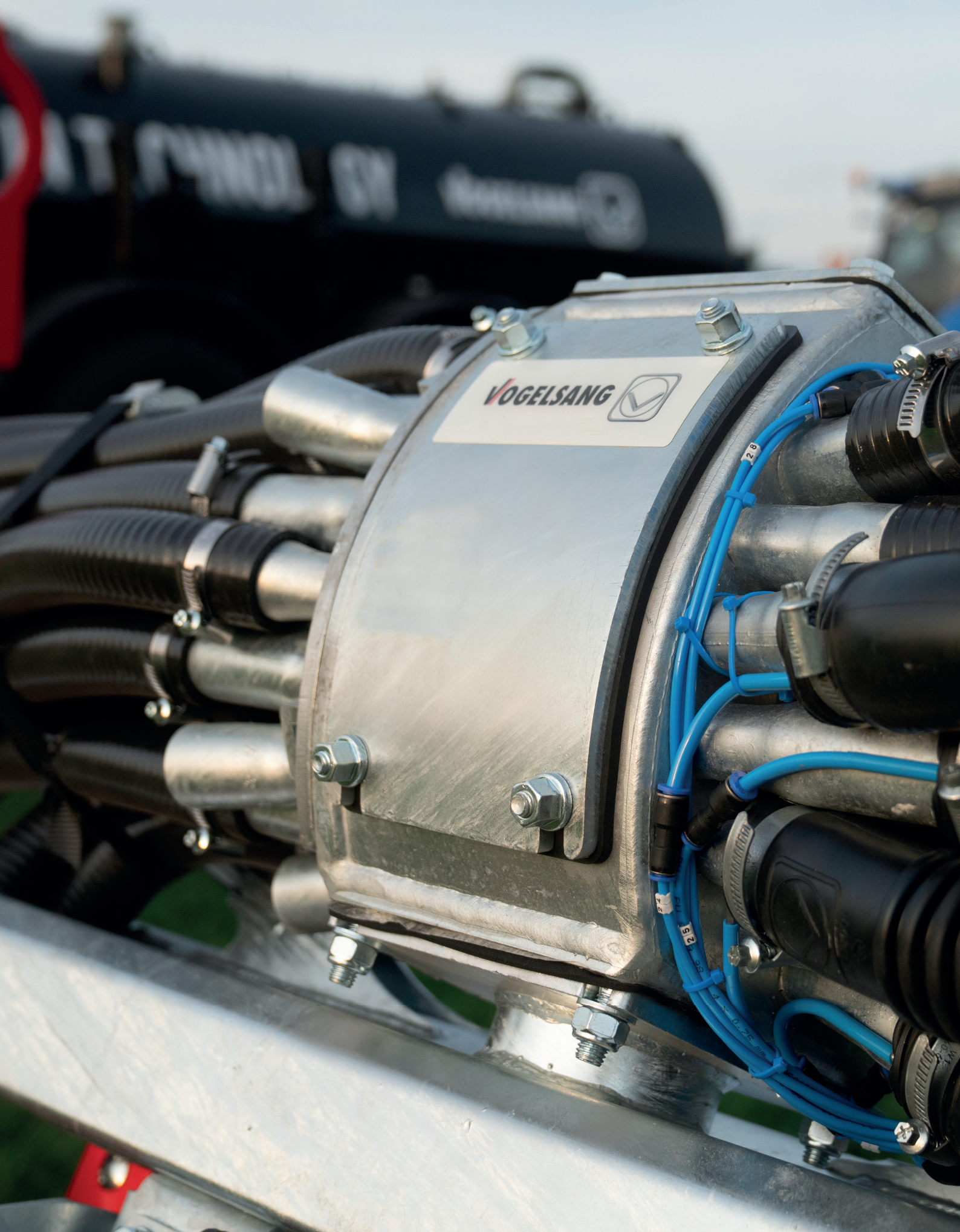
FEATURES AND OPTIONS:

- Hydraulically foldable frame for 3 m transport width
- Open or closed pressure rollers
- Integrated height control on coulter blade
- DosiMat DMX slurry macerator
- LED lighting

SPECIFICATIONS

No. of rows	4	6	7	8	9	11	12
Transport width in m	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Row spacing in cm	47 – 75	47 – 75	47 – 75	47 – 75	47 – 50	47 – 50	47 – 50
Working width	Depends on the row spacing						
Required hydraulic connections	1 x DW (double-acting control unit) for side arm flaps, 1 x DW for DosiMat DMX, 1 x EW (single-acting control control unit) for stone protector, 1 x compressed air connection						
Design	Coulter blade, star-notched disk blades, loosening share with slurry placement, ridging disks, press wheels (available in different models)						
Slurry macerator	DosiMat DMX	DosiMat DMX	DosiMat DMX	DosiMat DMX	DosiMat DMX	DosiMat DMX	DosiMat DMX







The heart of all spreading systems

Slurry macerators for powerful performance

- Precise of slurry and digestate as a natural source of nutrients for plants
- Lower nutrient loss and reduced mineral fertilizer thanks to precision slurry placement
- Optimal cutting performance and high accuracy for maximum precision
- Compatible and universal: From dribble bar and trailing shoe systems to slitters, cultivators and short disc harrows
- Long service life and user friendly maintenance from the technology leader

ExaCut ECQ slurry macerator

This is exactly how a slurry macerator should be

The best result in combination with the easiest service concept

Advantages:

- 99 % accuracy, making it Number 1 worldwide (DLG test report 7540)
- Q for QuickService: Simple and quick service without disconnecting hose units
- Very long service life of the cutting mechanism components compared to other distributors
- High cutting force due to “keep-in-touch” principle: Eccentric prevents the cutting blade from lifting off the cutting screen even with coarse disruptive matter
- User-friendly eccentric activation due to central clamping screw
- Self-sharpening cutting unit: Change of rotation direction ensures consistent sharpness throughout the entire lifetime
- Increase in spreading capacity by almost 30 %
- Only 35 l oil capacity

FEATURES AND OPTIONS:

- TopInlet: Additional slurry inlet at the top of the slurry macerator for central positioning in the spreading applicator
- Individual configuration options for cutting rings and blades
- Rotation speed sensor
- Space available for heavy material separator
- Generous cross-sections up to 150 DN for maximum effectiveness: Reduced pressure losses and power consumption of the components in the slurry system



SPECIFICATIONS

Throughput l/min	Up to 7,800*
Number of outlets	24 – 48
Hose diameter	40 DN 50 DN
Inlet diameter on the side	100 DN 125 DN 150 DN
Oil quantity in l/min	35

* Depending on pressure and flow rate as well as DS content.



ExaCut ECL slurry macerator

Proven precise slurry maceration with small space

Optimal cutting results, maximum reliability

Advantages:

- Proven 10,000 times over: The best-selling slurry macerator in the world
- Wide variety and flexible use: The right slurry macerator for every application
- Excellent accuracy
- High cutting force: Eccentric adjuster for optimal contact pressure and efficient cutting performance
- Low wear of the cutting blades thanks to automatic adjustment
- Matched geometry of cutting screen and cutting blades for maximum cutting performance (scissors effect)
- Self-sharpening cutting tools: Reversing the rotation direction maintains a constant degree of sharpness over the entire lifetime
- Sealing package between the housing and the hydraulic motor for maximum operational safety

FEATURES AND OPTIONS:

- Individual configuration options for cutting rings and blades
- TopInlet: Additional slurry inlet at the top of the slurry macerator for central positioning in the spreading applicator
- Space available for heavy material separator

SPECIFICATIONS

Throughput l/min	Up to 8,000*
Number of outlets	18 – 48
Hose diameter	40 DN 50 DN
Oil quantity in l/min	60

* Depending on pressure and flow rate as well as DS content.



ExaCut ECM slurry macerator

Small and compact

Precise slurry maceration without air suction in a small space

Advantages:

- Very precise thanks to innovative rotor concept without ventilation
- Less space required and 30% less weight thanks to compact type of construction
- Very good average even at low slurry macerating amount
- Consistently good cutting performance thanks to self-sharpening blade design
- Less maintenance required, no need to clean air hoses

FEATURES AND OPTIONS:

- Part width management with Comfort Flow Control
- TopInlet: Additional slurry inlet at the top of the slurry macerator for central positioning in the spreading applicator
- Individual configuration options for cutting rings and blades
- User-friendly heavy material separator

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Throughput l/min	7,000
Number of outlets	18 24 30 36
Hose diameter	40 DN 50 DN
Inlet Ø lateral (top)	100 DN 125 DN (150 DN)
Inlet position	Lateral top
Oil quantity in l/min	25





DosiMat DMX slurry macerator

Makes a lot possible

Variable spreading rate, precise slurry masceration

Advantages:

- More consistent yields thanks to precise spreading: Flow-optimised rotor contours ensure particularly even of slurry
- Consistently high slurry maceration accuracy regardless of the flow rate
- Powerful cutting mechanism components for up to 200,000 m³ – less downtime and lower follow-up costs
- Service-friendly construction for quick and easy maintenance work – without long downtimes
- Sophisticated cutting blade contour for reliable shredding and homogenization of the slurry
- Air suction: Patented membrane for automatic regulation of air flow
- Weight reduction of up to 25 % through selection of ideal materials
- Sealing package between the housing and the hydraulic motor for maximum operational safety

FEATURES AND OPTIONS:

- Thanks to different head diameters, small and large spreading quantities are possible
- Various combinations of head diameters, outlets and outlet sizes to comfort any requirement
- Energy-efficient designed rotors in straight or star shape allow different spreading rates
- Safety valve for maximum working safety

SPECIFICATIONS

Throughput l/min	Up to 11,000 l/min*
Number of outlets	08 – 60
Hose diameter	40 DN 50 DN 60 DN
Oil quantity in l/min	Varies depending distributor size between 40 und 70

* Depending on pressure and flow rate as well as DS content.



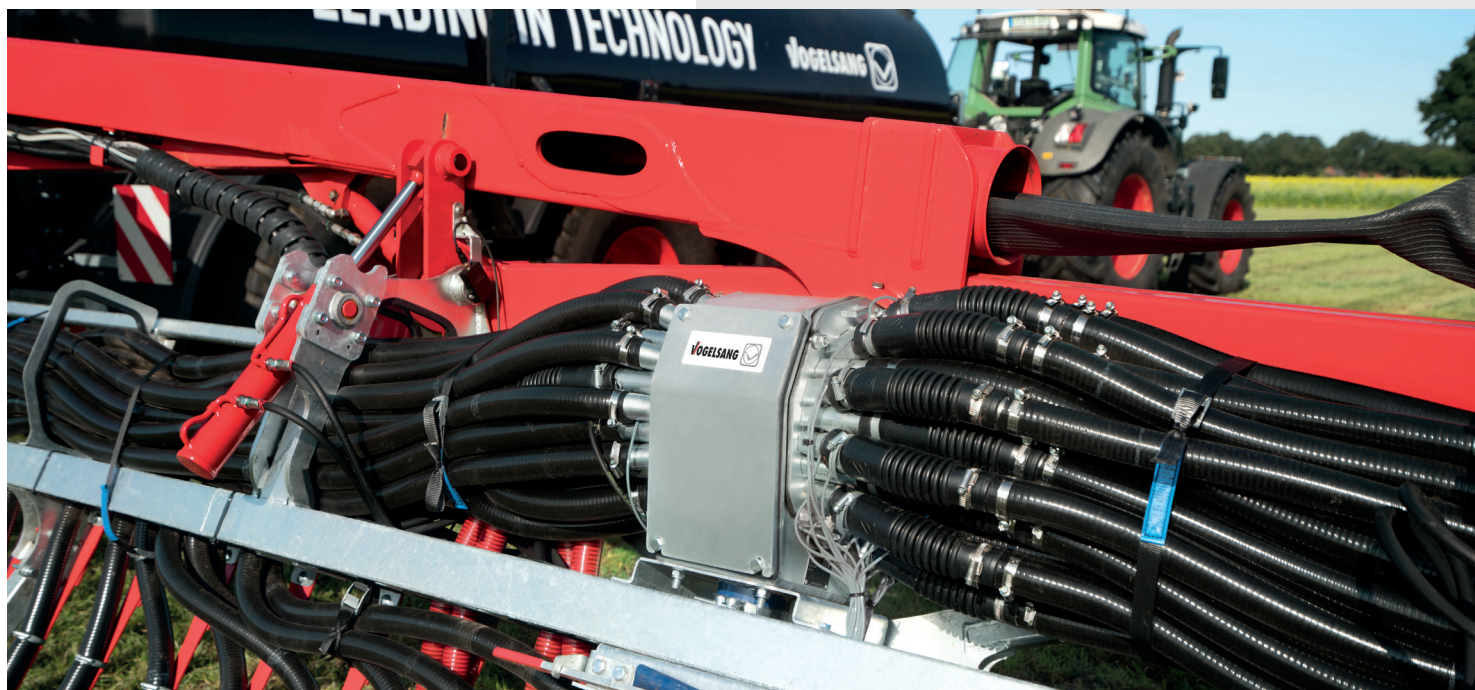
Comfort Flow Control hose shut-off

Individual switching of specific hose groups

Ingenious and patented

Advantages:

- Reliable hose switch-off for part-width sections, tramlines, switch-off of individual groups
- Simple assembly and low cost
- Convenient operation per switchboard from the cab
- Trouble free operation thanks to a simple working principle
- Economical spreading for all field shapes
- Can be retrofitted to any system







Powerful and reliable agricultural technology

Pumps and cutters for agriculture

- Reliable components for comprehensive slurry management: from the farm to the plant
- Outstanding durability and low maintenance requirements due to highest material quality and integrated foreign matter protection
- Selection of drive variants, series and modes of operation delivers practical solutions
- Adaptable components for ideal combination with all manufacturers
- Modular design for individual further development and economical operation

VX series rotary lobe pumps

The professional among pumps: durable, powerful and easy to maintain

The all-rounder

Advantages:

- Sophisticated engineering ensures maximum service life with minimal operating costs
- Unique InjectionSystem: First integrated protection against foreign matter for rotary lobe pumps, paired with a more robust internal seal
- Quality Cartridge: Professional sealing technology for maximum operational reliability
- HiFlo rotary lobes: Pulsation-free pumping for exceptionally smooth running
- Axial and radial wear plates: Completely lined pump housing made of highly wear-resistant special steel to optimize service life and maintainability
- QuickService: Quick access to all wear parts without removing the pump
- Up to 37 % less weight than comparable models from other manufacturers

FEATURES AND OPTIONS:

- Individual configuration options in terms of models, rotary lobes and materials
- Various drive options
- InjectionSystem for improved resistance to foreign matter
- Radial wear plates for extended maintenance intervals
- Flexurally stiff shafts for minimum shaft deflection, even at high pressure
- Replacement of individual parts enables cost-effectiveness thanks to element design
- Rotation speed sensor for precise spreading rates
- Universal Drive System enables different drive types

SPECIFICATIONS

Type	Hub-Vol. in l	Max. pressure in bar (Q)	Max. pressure in bar (QD)	Max. capacity* in l/min	Max. speed in rpm
Series VX136					
70	1.27	10	12	1,010	800
105	1.90	10	12	1,520	800
140	2.53	8	12	2,020	800
210	3.80	5	10	3,040	800
280	5.06		8	4,040	800
420	7.59		6	6,070	800
Series VX186					
92	3.56	10		2,130	600
130	5.03	10	12	3,010	600
184	7.12	8	12	4,270	600
260	10.06	5	10	6,030	600
368	14.24	2 [3**]	8	9,000	630
390	15.09	2 [3**]	7	9,050	600
520	20.12		6	12,070	600
736	28.48		3	17,080	600
Series VX215					
226	15.47	5	8	8,350	540
320	21.88	2.5	7	11,810	540
452	30.94		5	16,700	540
640	43.76		3	23,630	540

* Maximum theoretical volume flow. In practice, the capacity is normally lower, depending on pressure difference, medium viscosity, and pump installation. We would be happy to configure the best rotary lobe pump for your application with the help of our computer-assisted dimensioning software.

** Not in continuous operation.



LoadMaster rotary lobe pumps

Powerful, compact and lightweight –
pump technology specially designed for transport vehicles

High power, low weight

Advantages:

- Approximately 45% lighter than comparable pumping, maximum payload for the vehicle
- Particularly space-saving thanks to compact design
- Lower power consumption and thus less energy demand
- New synchronisation discs ensure maximum smooth running
- Larger volume flows due to high-quality motors that ensure the maximum flow rate of the pump under continuous load
- Up to 4 times longer service life of the sealing package thanks to sophisticated geometry of the wear plate

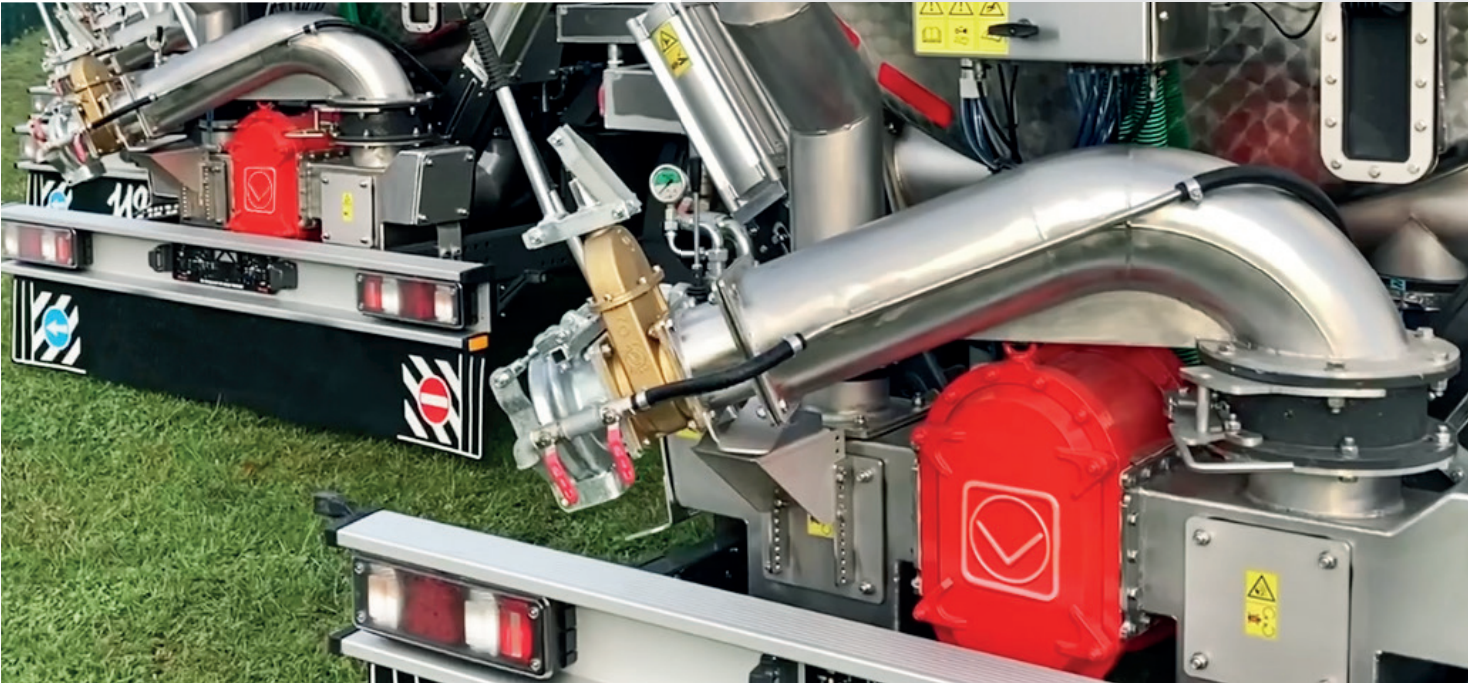
FEATURES AND OPTIONS:

- Individual configuration options in terms of models, rotary lobes and materials
- InjectionSystem for improved resistance to foreign matter
- Axial and radial wear plates made of highly wear-resistant special steel for less and faster service
- Quality Cartridge: Professional sealing technology for maximum operational reliability
- Rotation speed sensor for precise spreading rates

SPECIFICATIONS

Type	Hub-Vol. in l	Max. pressure in bar	Max. capacity* in l/min	Max. speed in rpm
186 - 184Q	7.12	8	4,270	600
186 - 260Q	10.06	5	6,030	600

* Maximum theoretical volume flow. In practice, the capacity is normally lower, depending on pressure difference, medium viscosity, and pump installation. We would be happy to configure the best rotary lobe pump for your application with the help of our computer-assisted dimensioning software.



FX series rotary lobe pumps

Proven slurry pump for high demands

The progressive

Advantages:

- No lubrication work required due to integrated recirculating oil lubrication system
- Block ring seal for long service life
- Self-priming and resistant to foreign matter
- Smooth running thanks to sophisticated rotary lobe arrangement
- Lower power requirement thanks to rotating separation plate
- Axial wear plates for maximum protection of the pump chamber
- Flexible use thanks to different drive types

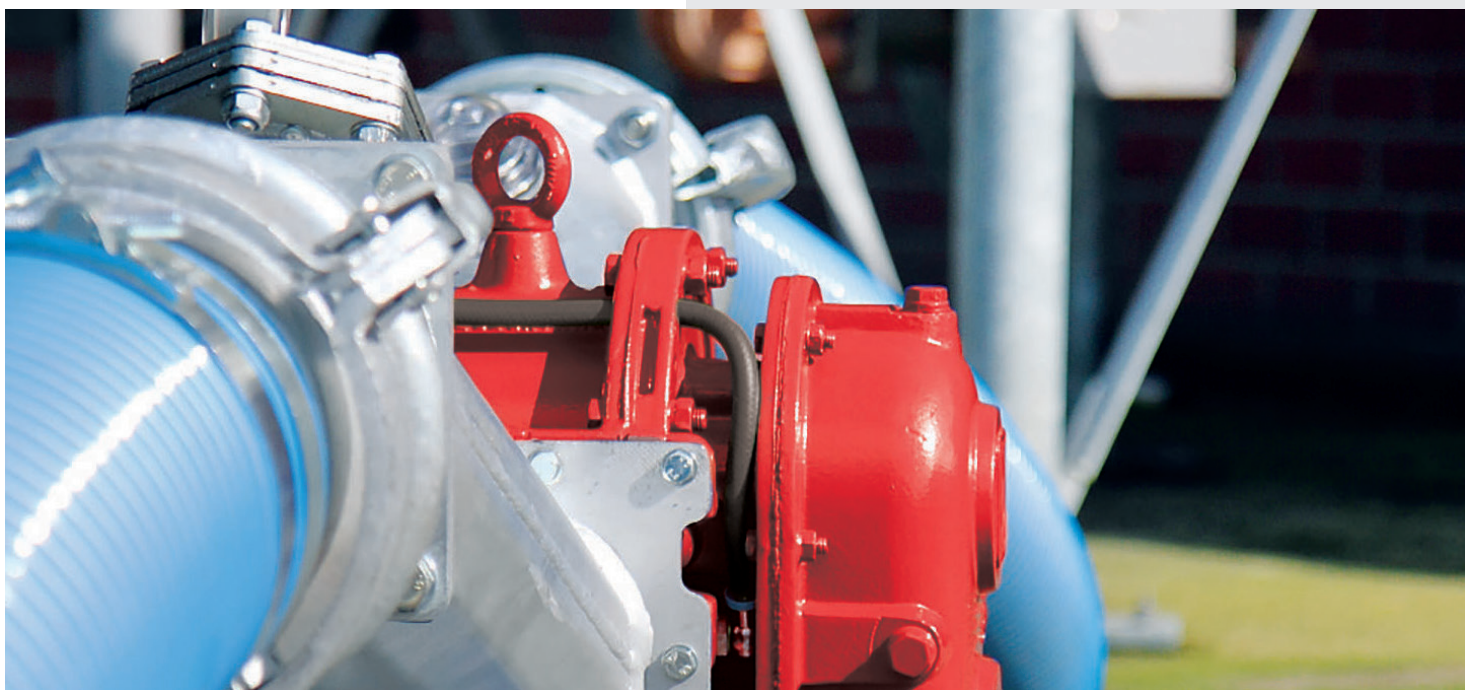
FEATURES AND OPTIONS:

- Axial wear plates made from highly wear-resistant special steel
- Variety of rotary lobes
- Block ring seal
- No need for oil recirculation lubrication

SPECIFICATIONS

Type	Hub-Vol. in l	Max. pressure in bar	Max. capacity* in l/ min	Max. speed in rpm
Series FX116				
FX116 - 60	1.16	8	750	650
FX116 - 120	2.32	7	1,500	650
FX116 - 180	3.48	6	2,250	650
FX116 - 240	4.64	5	3,000	650
FX116 - 300	5.80	4	3,800	650
FX116 - 360	6.96	3	4,500	650

* Maximum theoretical volume flow. In practice, the capacity is normally lower, depending on pressure difference, medium viscosity, and pump installation. We would be happy to configure the best rotary lobe pump for your application with the help of our computer-assisted dimensioning software.



R series rotary lobe pumps

Thousandfold proven pump technology for yard and field

The rugged

Advantages:

- Keep it simple: Economic solution with all necessary functions
- Ideal for both occasional and simultaneously reliable use
- Self-priming and resistant to foreign matter
- Smooth running thanks to sophisticated rotary lobe design
- Axial wear plates for maximum protection of the pump chamber
- Flexible use thanks to different drive types

FEATURES AND OPTIONS:

- InjectionSystem for improved resistance to foreign matter (R136 only)
- Axial wear plates made from highly wear-resistant special steel
- Variety of rotary lobes also as back solution with stone trap

SPECIFICATIONS

Type	Hub-Vol. in l	Max. pressure in bar	Max. capacity* in l/min	Max. speed in rpm
Series R116				
60	1.16	5	750	650
120	2.32	5	1,500	650
180	3.48	5	2,250	650
240	4.64	5	3,000	650
300	5.80	4	3,800	650
360	6.96	3	4,500	650
Series R136				
70	1.27	5	800	650
150	1.90	5	1,200	650
140	2.53	5	1,650	650
210	3.80	5	2,500	650
280	5.06	5	3,300	650
350	6.33	5	4,100	650
420	7.59	5	5,000	650

* Maximum theoretical volume flow. In practice, the capacity is normally lower, depending on pressure difference, medium viscosity, and pump installation. We would be happy to configure the best rotary lobe pump for your application with the help of our computer-assisted dimensioning software.



ProCap T progressive cavity pump

Completes the portfolio of positive displacement pumps

Robust pump solution with compact installation dimensions

Advantages:

- More compact installation dimensions compared to other screw pumps
- Large ball passage for maximum power and lifetime
- Low-wear pumping thanks to high resistance to foreign objects
- Modular rotor-stator system for low spare parts inventory and flexible service
- Fully welded housing guarantees lifetime

FEATURES AND OPTIONS:

- High-quality mechanical seal for long pump service life
- Hollow rotor for smooth running
- Robust, maintenance-free universal joints
- Double bearings in the drive adapter for higher stability
- Optional: Reduction gear with low shaft misalignment

SPECIFICATIONS

Type	Hub-Vol. in l	Max. pressure in bar	Max. capacity* in l/min	Max. speed in rpm
4250	7.87	6	4,250	540
6000	11.11	6	6,000	540

* Maximum theoretical volume flow. In practice, the capacity is normally lower, depending on pressure difference, medium viscosity, and pump installation. We would be happy to configure the best rotary lobe pump for your application with the help of our computer-assisted dimensioning software.



RotaCut[®] cutter

Maximum cutting performance with reliable foreign matter separation

Protects pump and system technology

Advantages:

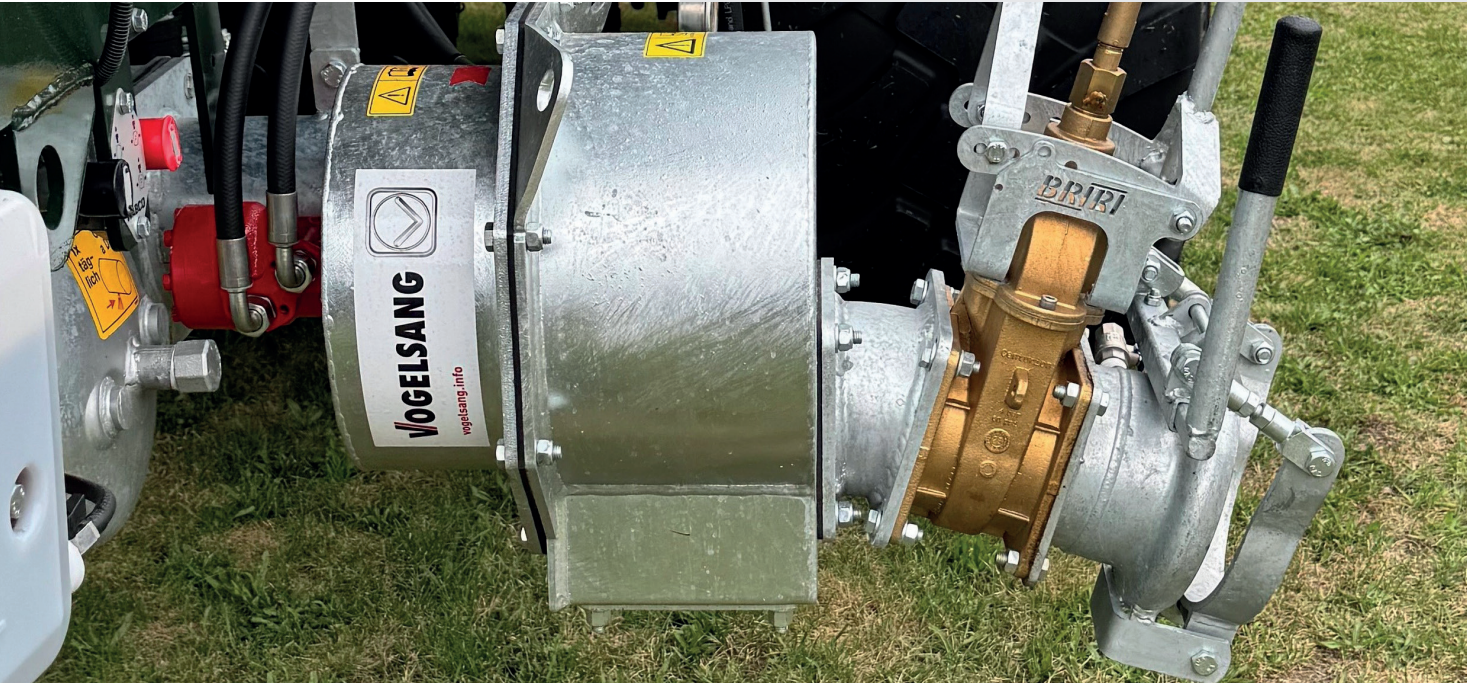
- Reliably shreds fibrous and foreign matter in liquid media
- Optimally tailored components for every application
- Unique cutting performance thanks to optimized cutting geometry and automatic reversal of the direction of rotation
- Optional Automatic Cut Control (ACC) for permanently constant cutting performance and reduced wear
- Sophisticated housing design for high separation efficiency
- Easy to maintain due to good accessibility of the cutter unit components

FEATURES AND OPTIONS:

- Drive variants with hydraulic and gear motor
- Individual designs for every application, whether stationary or mobile
- Cutting screens in different shapes and sizes, customizable
- Automatic Cut Control for constant contact pressure between the cutting blade and screen: as high as necessary, as low as possible

SPECIFICATIONS

Typ	Max. flow rate l/ min
RC 5000 M	5,000
RC10000 M	10,000
RC 5000 MXL	5,000
RC 10000 MXL	10,000
RCX-58G MXL	12,500





FillMaster tanker filling station

Convenient and time saving

System for rapid tanker filling

Advantages:

- Reliable and fast filling of the tanker
- Unique and convenient connection and disconnection of hoses
- Choice of operating mode: FillMaster S is a stationary tanker filling station and FillMaster M is a mobile version on the tractor
- Stationary pumping system: VX-series rotary lobe pump or PowerFill filling aid
- Mobile pumping system: VX series rotary lobe pumps

FEATURES AND OPTIONS:

- Stationary: Optional control of the filling arm for filling from the operator's cab
- Stationary: Various drive options available for the FillMaster S
- Mobile: With three-point base for transport with any tractor
- Mobile: Filling with Perrot coupling or optional riser pipe with boom
- Mobile: Version with heavy material separator
- RotaCut cutter optionally combinable

SPECIFICATIONS

Type	Max. flow rate in l/min	Max. pressure in bar (QD)
FillMaster	6,030	10
FillMaster	9,000	8



PowerFill turbo filler

Efficient and fast

Optimized filling of vacuum tankers

Advantages:

- Up to 30% faster filling of vacuum tankers
- Less foaming, tanker volume can be fully utilised
- More precise slurry spreading due to homogenization
- Easy to retrofit
- Surprising performance despite compact design
- High volume flow thanks to optimized engineering

FEATURES AND OPTIONS:

- Various drive options (hydraulic or mechanical)
- Integrated cleaning port
- 6" or 8" version
- Available as PowerFill Small variant with 40 % less weight

SPECIFICATIONS

Motor type: Hydraulic motor	Speed in rpm	Differential pressure in bar	Hydraulic capacity of tractor in l/min	Maximum oil flow in l/min	Optimum oil flow in l/min	Connection flange in in"
PowerFill						
OMR 100	600	140 – 160	min. 55	70	60	6, DN 150
OMS 100	750	140 – 160	min. 65	85	75	8, DN 200
SCM 084	1,000	200 – 350	min. 65	90	85	8, DN 200
PowerFill S (Small)						
OMS 100	750	140 – 160	min. 65	85	75	8, DN 200
SCM 084	1,000	200 – 350	min. 65	90	85	8, DN 200



XSplit® screw press separator

Absolute maintainability due to innovative design

High throughput with adjustable DS content

Advantages:

- Perfect separation of slurry and digestate
- High dry matter content of up to 40 %
- Variation of the DS content due to adjustable pressing range
- Very easy access to the cutting screen and feed screw for quick service
- No shaft seal required thanks to the innovative drive arrangement behind the solid matter outlet
- Reliable plug formation with almost no leakage
- Ideal separation results thanks to high-quality elastomer sealing disc
- Optimal separator start-up behavior
- Small space requirement thanks to compact design



FEATURES AND OPTIONS:

- QuickService concept for optimal maintenance conditions
- Optional: VarioAdjust for hydraulic adjustment of the contact pressure
- Available with different control systems, lifting frames and pumps
- Different sieve baskets possible

SPECIFICATIONS

Flow rate in m³/h	up to 50
DS content in %	up to 40
Speed in rpm	15 – 36
Drive power in kW	4 – 7.5
Dimensions LxWxH in mm	1,450 x 550 x 950



XSplit® Compact screw press separator

Compact system solution for your own business

All the advantages in a smaller design

Advantages:

- Up to 40 percent dry matter content
- Perfectly matched components
- Offers all the advantages of the XSplit, such as ease of servicing
- Pressure-controlled control element for smooth operation
- Easy transportation thanks to forklift pockets
- Compact design that minimizes space requirements during operation and storage

FEATURES AND OPTIONS:

- Forklift pockets for easy transport
- Also available with a double-chamber-pump (only one pump for supply and discharge)
- Different sieve baskets possible

SPECIFICATIONS

Flow rate in m³/h	up to 10
Discharge height	1,5
Weight in kg	875
Drive power XSplit in kW	4
Drive power pump in kW	4



When it comes to service, we leave nothing to chance

Comprehensive services for smooth operation and a long lifetime

Support and supply from A to Z

Because we are aware that close customer proximity is essential for our mutual success, we design our services to best meet your needs. In Germany and in countries where we have subsidiaries, Vogelsang service centers and contractual partners generate an active dialog with our customers and provide reliable support.

This means you always get the precise support you need in every phase of our partnership. Our highly qualified staff make it possible – experts such as consultants and technicians who know your Vogelsang machines inside and out.



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



We think ahead

Thinking ahead in your best interest begins with our extensive and detailed product documentation. Spare parts are available within a short time due to our high degree of vertical integration in production. In addition, you will always find an authorized service partner in your area who can help with repairs and wear part replacement. The Vogelsang ServicePack completes the offer. Whether you need start-up, on-site training, training at the Vogelsang facility, or full service support with a maintenance contract and a wear parts service package – we offer a support program tailored specifically to your needs.

What we offer

We offer 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
- 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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