



Innovation. Experience. Strength.

MIXDRIVE

Self-propelled mixer wagons





Get the most out of a personal meeting!

BvL's self-propelled mixer wagon puts the well-being of your animals front and center. While removing the feed, its patented profiled roller is gentle on the fodder, laying an excellent foundation for an outstanding total mixed ratio that is characterized by a multitude of different structures. Allow us to guide you through this leaflet and find the solution that is perfect for your farm.

Bernard van Lengerich has been a household name for customized solutions since 1860. We will provide you with the products you need to optimize your profit and keep your animals as healthy as possible. After all, we do not act in the customer's best interest if we sell him what we want to sell him. Instead, we need to sell him what he and his animals actually need. We work with an awareness of quality and value. Operating from the town of Emsbüren in the Emsland region, we manufacture exclusively in Germany and have turned Made in Germany into our most important seal of quality.

Extensive experience and first-class, knowledgeable employees are your guarantee that BvL is the best choice you can make.

We have long been aware of the fact that we need to go out in the field or the barn to find the solution that fits your specific needs best. After all, the conditions on site, your feeding equipment needs and economic considerations are like no other anywhere else.

However, we do not want to entirely relegate our leaflet from our business activity: In order for you to be sure that a meeting with us will be worthwhile, we illustrate what makes the self-propeller mixer wagons made by BvL so unique on the following pages.

MADE IN GERMANY 

BvL's self-propelled mixer wagons

The self-propelled mixer wagon V-MIX Drive Maximus Plus joins more than 30 years of experience in building mixer wagons with the latest technology available in the area of self-propelled machinery. Its highly evolved design is characterized by its powerful and resilient technology. Its patented profiled roller is what sets the BvL self-propelled mixer wagons apart from other solutions and provides for removal from the clamp that is gentle on the structure of the fodder.





Extract more power from your feed

Enhanced feed quality by structure-preserving removal



Loading straw



Loading maize silage



Loading grass silage



The profiled roller

The profiled roller forms the core of the Maximus Plus. Years of experience in the area of unloading technology that protects the structure for silage and other fodder components have been integrated in the development of the profiled roller. The coarsely profiled teeth of the profiled roller comb the fodder out of the clamp without damaging the structure of the fodder. All fodder components are gently removed through the high-performance unloading technology.



Sieve box

The composition and the structure of the fodder can be checked via the sieve box. Thus, the feed acceptance for your animals can be analyzed and optimized. Contact us for information and test the sieve box.

What does structure mean?

Components offering a multitude of different structures are required by the rumen to form a fiber mat of sufficient thickness. These components, thereby, provide for an adequate filling of the rumen. Structure is essential in this regard and vital to achieve high capacities in the feeding of dairy cows or fattening bulls. For rumination, structure must be contained in the fodder so that the optimal rumen pH value remains intact.

Additional advantages of an optimal fodder structure:

- The risk of health problems decreases, e. g. displacements of the bovine abomasum
- Fodder acceptance increases
- Feeding efficiency can be improved

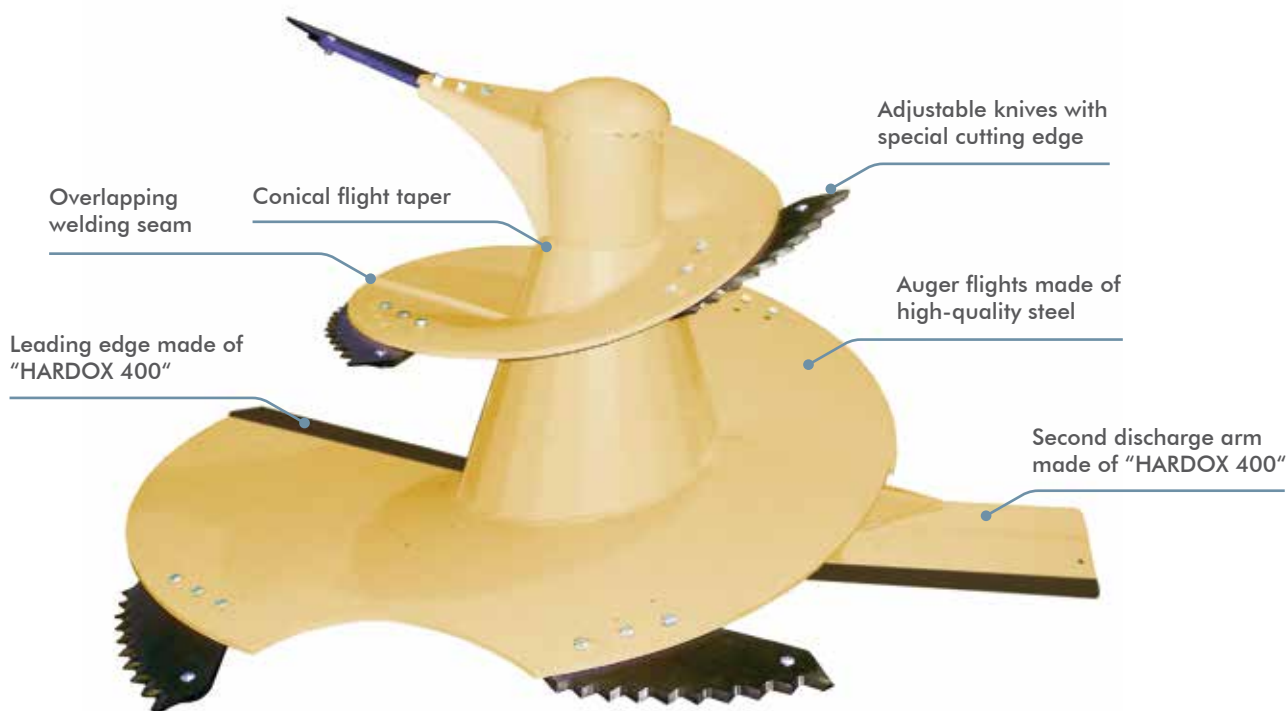


The power mixing auger

Always the right type

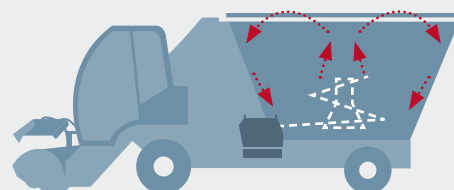
Our sturdy power mixing auger is the product of 30 years of experience. We use only the premium quality, highly wear-resistant "HARDOX 400" special-purpose steel for the production of the leading edges.

Always perfectly adapted to the contour of the hopper, the conical and slender shape of the auger guarantees high volume utilization as well as an extremely easy mixing process that is gentle on the fiber. The opening of entire round and square bales poses no problem at all. The power mixing auger can be optimally adapted to various fodder types by adjusting its knives.



High volume utilization

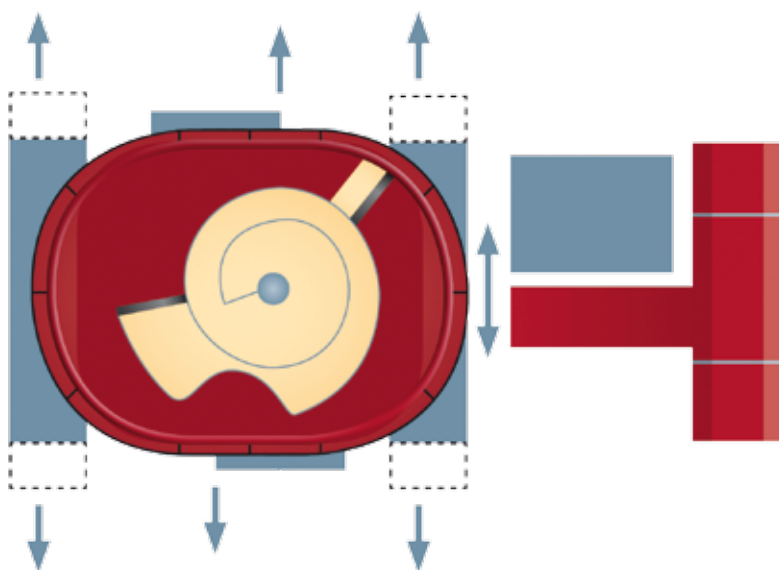
As the mixing auger is perfectly adjusted to the mixing hopper, BvL is able to guarantee an outstanding degree of volume utilization. The mixing auger is as small as possible, but as large as necessary. This design makes it possible to use the full size of the mixer wagon for the purpose of mixing fodder. This helps save time and money.



Available fodder discharge options

The right solution for every building

Select the discharge system that suits your needs best. Regardless of whether you need side door discharge (including the patented EDS system) or a cross conveyor at the front or the rear. We also carry useful options for expanding the capabilities of your discharge systems including an elevator or a side shift.



Cross conveyor at the front with side shift (optional)



Side door discharge



Cross conveyor in the rear

Useful extension – the side shift for cross conveyors

We offer an option to side shift the position of the cross conveyors to the right and the left by 30 cm. When retracted, the belt will not protrude over the hopper and only be extended when necessary. As an added benefit, the standard speed control of the cross conveyor regulates the discharge quantity and the throw distance in a way that allows you to feed with pinpoint accuracy.

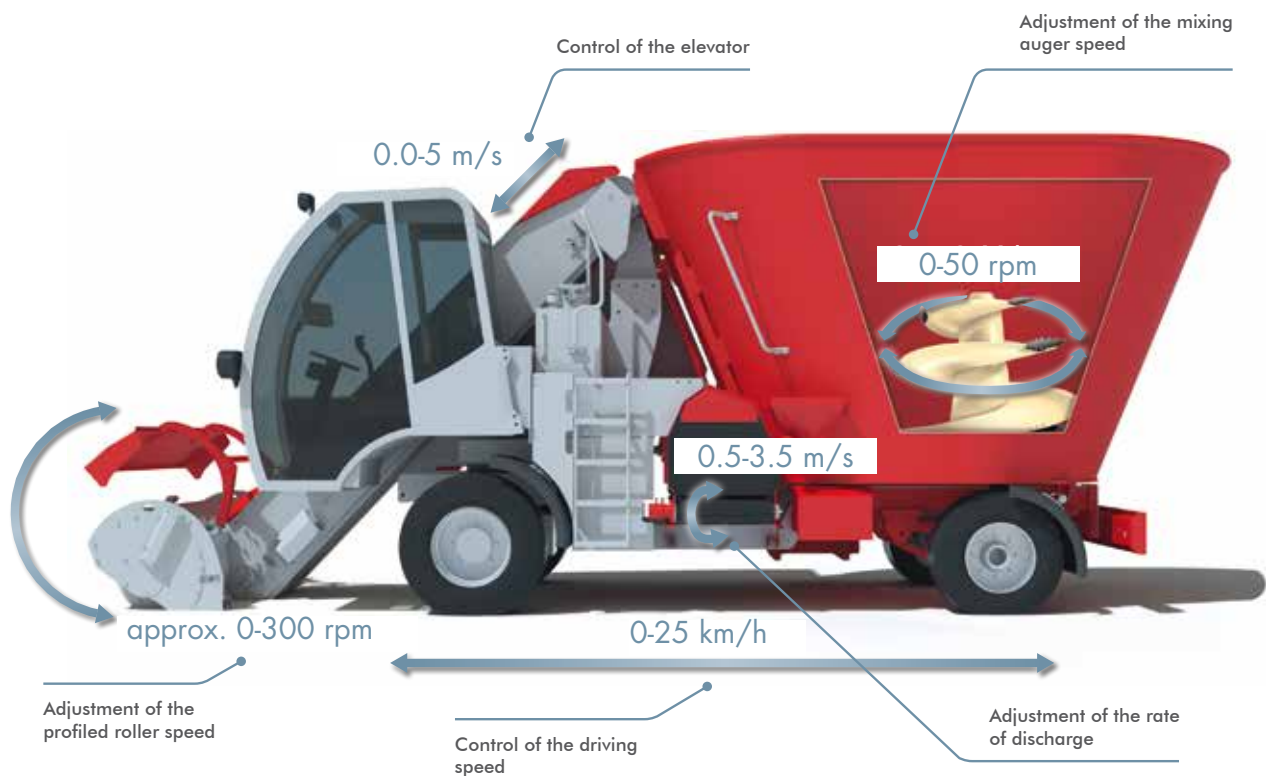


The intelligence of the self-propelled mixer wagon

Logical and functional operation

The control system built into BvL's self-propelled mixer wagon affords the user maximum operating convenience. While completing his work, the driver operating the machine is given maximum support by the Maximus Plus. The possibility of incorrect operation is excluded by automatic regulation facilities. This type of regulation ensures the maximum degree of on-the-job safety.

All hydraulic functions can be variably and independently adjusted. Thus, the machine can always be adjusted to the respective situation in the best possible and most efficient way.



The emptying mode – work with a clean slate

The emptying mode allows you to clear all remnants from the mixing hopper. For this purpose, the speed of the mixing auger is increased continuously to 50 rpm. This speed increase accelerates the vertical mixing auger to a point where all residual quantities are “flung off” the auger and out of the hopper.



The cab

Convenience for use every day

The cab of the V-MIX Drive Maximus Plus sets new standards when it comes to ease of use. As the self-propelled mixer wagon excels at straightforward and convenient operation, controlling the machine is as easy as can be.



Single joystick operation



The V-DAIRY Feeder feed management system

Technical design of the Maximus Plus

Powerful and exquisite

The Maximus Plus is designed for use every day. Consequently, we take care only to select tried and tested components for its construction to ensure maximum performance.



Pendulum axle

The self-propelled V-MIX Drive Maximus Plus is carried by a robust chassis. Thanks to the spring-suspended axles and the pendulum bearing on the front axle, it even masters uneven terrain reliably and with perfect ease.



The conveyor belt

All conveyor belts consist of a robust 6 mm, double-ply rubberized fabric. It is designed for the most rigorous requirements and set apart by a long service life.



The engine

The V-MIX Drive Maximus Plus is powered by a 4-cylinder diesel engine delivering an output of 167 HP (123 kW). The engine combines economy and performance at an optimal ratio.



Stability on four wheels

The four wheels keep the vehicle perfectly stable and secure in any situation – without diminishing its agility in the slightest degree. The 100 % on-demand differential lock provides for maximum traction when necessary.

Technical features

Of the basic model

- 167 HP (123 kW) turbo diesel with Common Rail technology
- fully spring-mounted chassis at the front and the rear
- Automotive driving mode 0 – 25 km/h
- Emptying mode of the mixing hopper
- 6 mm high-performance rubber conveyor belts on the loading arm
- Single joystick operation
- Heated exterior mirror
- Infinitely variable adjustment of all hydraulic functions
- Welded-on anti-spill ring
- 6.50 m turn radius

Of optional equipment

- 4.50 m turn radius (4-wheel steering)
- Four-wheel drive
- Cross conveyor with side shift
- Camera system with up to 4 cameras
- Magnet-Plus system
- Molasses filler tube
- Stainless steel lining
- Automatic lowering unit for loading arm
- Central lubrication system for operating functions and chassis
- TÜV certificate for obtaining a road travel permit in compliance with German Road Traffic Regulations (StVZO)
- Reversible ventilation system CleanFix
- Air conditioning
- Air-suspended comfort seat
- Folding exterior mirror (right)
- etc.



Add-ons for the V-MIX Drive

Selected accessories



4-wheel steering



On-demand four-wheel drive



Reversible ventilation system CleanFix



Power folding exterior mirror



Foreign object magnets on the mixing auger



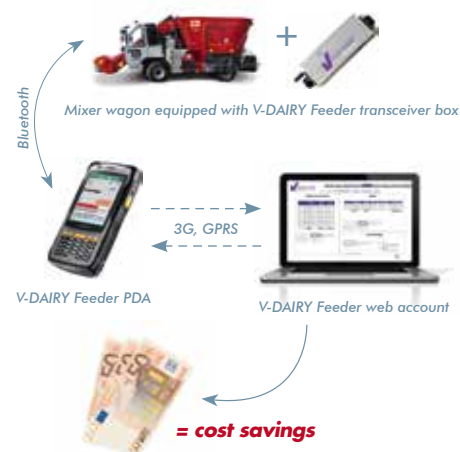
Folding elevator

CONNECT

Feeding made easy

Do not feed your profits to your animals!

Feed costs account for more than 50 % of the direct costs of running an agricultural business. Management of this area can be the secret to success or failure in dairy farming. In order to provide the farmer with the most precise possible control over the feeding, BvL offers an intelligent feed management system. Our V-DAIRY Feeder feed management system is a tool that makes documenting and analyzing the daily feeding a breeze. The web-based software can be used to create reports that comprehensively document all feed-related processes for the farmer. Data is exchanged automatically from the feeder wagon to the Internet (cloud solution), and the data is available at any time and from any location.



High maneuverability

The self-propelled Maximus Plus from BvL is extremely maneuverable. Thanks to a steering angle of 45° the machine, with two-wheel steering, is characterized by its high maneuverability. The optionally available four-wheel steering makes the Maximus Plus even more agile and combines a stable stance on 4 wheels with a high degree of maneuverability.

Outer turn radius:

- With 2-wheel steering: 6.50 m
- With 4-wheel steering: 4.50 m





Technical data

V-MIX Drive	Maximus Plus 11-1S	Maximus Plus 13H-1S	Maximus Plus 13N-1S	Maximus Plus 15-1S
Number of cows	76-85	95-107	82-91	102-112
Capacity [m³]	11.2	13.2	12.2	14.2
Overall length [mm]	7740	7770	7850	7900
Overall width with 2,250 mm cross conveyor [mm]	2400	2400	2500	2500
Overall width with EDS discharge on one side [mm]	2500	2500	2550	2550
Overall width with EDS discharge on both sides [mm]	2600	2600	2700	2700
Discharge height - cross conveyor [mm]	685	685	685	685
Discharge height - EDS discharge [mm]	815	815	815	815
Discharge height - folding elevator at 45° [mm]	1000	1000	1000	1000
Overall height [mm]	2770	3050	2770	3050
Max. unloading height [mm]	5000	5500	5000	5500
Perm. total weight for road travel [kg]	16,300	16,300	16,300	16,300
Own weight with basic equipment [kg]	10,100	10,200	10,200	10,300
Tyres	front 2x 435/50 R19.5 rear 2x 400/45 L17.5	front 2x 435/50 R19.5 rear 2x 400/45 L17.5	front 2x 435/50 R19.5 rear 2x 400/45 L17.5	front 2x 435/50 R19.5 rear 2x 400/45 L17.5
Outer turn radius [m]	6.5	6.5	6.5	6.5
Specifications for four-wheel steering/four-wheel drive	Maximus Plus 11-1S	Maximus Plus 13H-1S	Maximus Plus 13N-1S	Maximus Plus 15-1S
Overall length [mm]	on request	7725	7825	7850
Discharge height - EDS discharge [mm]	945	945	945	945
Discharge height - folding elevator at 45° [mm]	1150	1150	1150	1150
Overall height [mm]	2950	3150	2950	3150
Max. unloading height [mm]	5000	5000	5000	5500
Perm. total weight for road travel [kg]	16,600	16,600	16,600	16,600
Own weight starting at [kg]	10,300	10,400	10,400	10,500
Tyres	front + rear 2x 435/50 R19.5	front + rear 2x 435/50 R19.5	front + rear 2x 435/50 R19.5	front + rear 2x 435/50 R19.5
Outer turn radius [m]	4.5	4.5	4.5	4.5



Feeding equipment Unloading technology Bedding technology Biogas equipment System technology



The best solution for your farm – for highest yield, a healthy environment, and optimal conditions for your cows: The name **Bernard van Lengerich** has stood for these goals since 1860. You get what you need from us to achieve these goals.

We work with an awareness of quality and value. Extensive experience and first-class, knowledgeable employees are your guarantee that **BvL** is the best choice you can make.



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