VAN LENGERICH

Innovation. Experience. Strength.

LOAD

Unloading technology




CLAAS



Get the most out of a personal meeting!

Fully aware of the wide variety of different silage consistencies and unloading strategies pursued by the farmers, we offer a comprehensive range of unloading equipment solutions. We like to use the descriptions in this leaflet to illustrate which technology is suited best to meet your specific requirements.

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 unloading technology made by BvL so unique on the following pages.

MADE IN GERMANY

VLOADCUTTER
VLOADSHEAR
VLOADSHOVEL

VLOAD

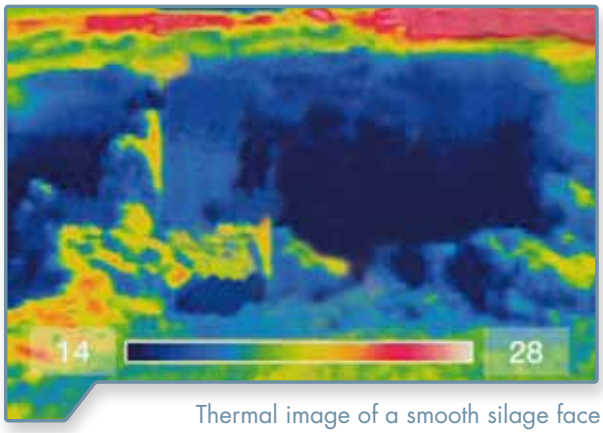
Unloading technology

We provide customized unloading technology solutions that are a perfect match for all kinds of silage clamp conditions and every possible silage consistency. Each of our products stands out by its wide range of possible applications and supports the farmer in whatever unloading strategy he pursues. BvL's unloading technology options let you choose between silage block cutters, shear grabs and grapple buckets.

Preventing reheating properly

Smooth cut and preservation of the storage density

BvL's silage block cutters prevent any loosening of the silage and preserve its storage density. They, thereby, minimize the penetration of oxygen at the silage clamp face. The quality of the silage is retained, and losses resulting from reheated fodder are reduced. We can offer you unloading equipment that fits your unloading strategy best and is perfectly tailored to the type of silage you use and the structure you have chosen for your operation.



Thermal image of a smooth silage face


Preservation of the storage density

Low reheating

Oxygen penetrating the interior of the silage may lead to secondary fermentation, causing the silage to heat up. The results of this process are energy loss in the form of heat dissipation and a feed whose taste is less attractive to the animal than desired. Silage that is cut smoothly and not loosened when the feed is removed will remain stable for a longer period and retain its quality.

Preservation of the storage density

If cut smoothly, the silage will preserve its storage density and remain sealed. Since oxygen is kept from penetrating through the firm cutting surface, possible reheating on the inside of the silage is averted.

V-LOAD CUTTER TOPSTAR

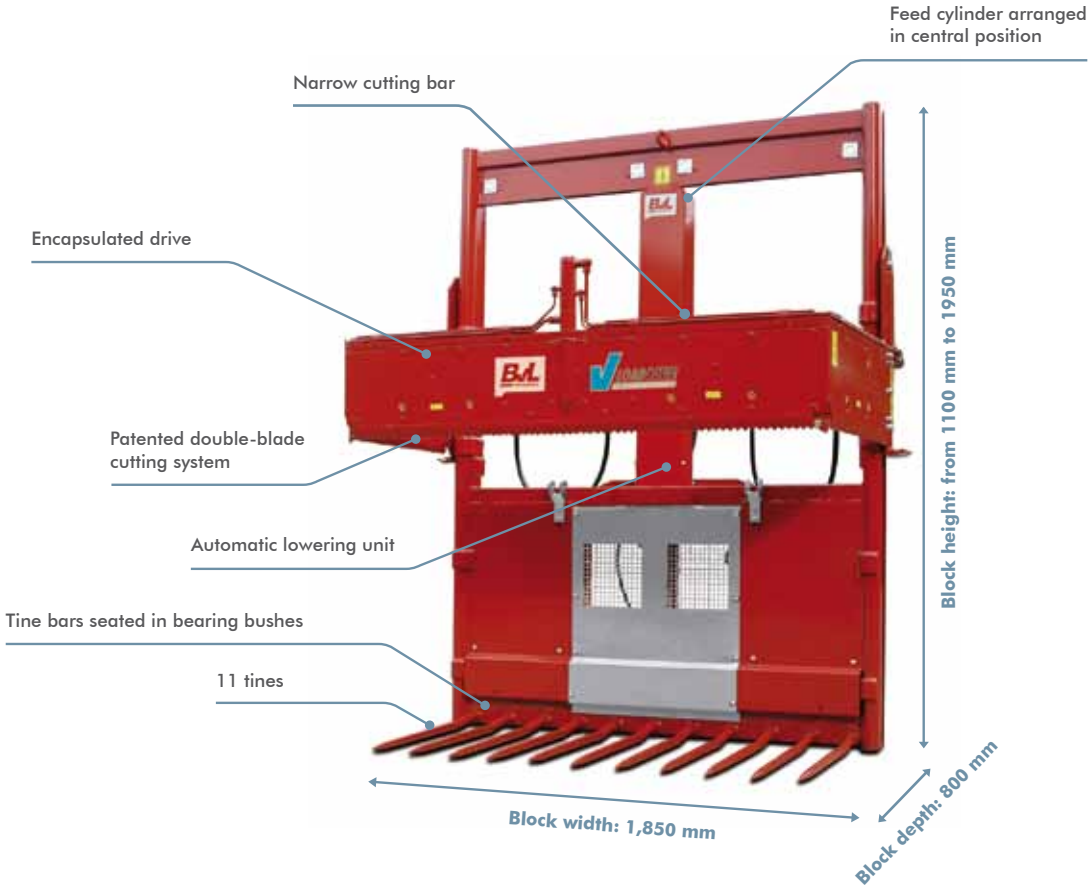
Spreading silage with ease using the V-LOAD Cutter Topstar

The Silage Kat spreader attachment allows you to spread and feed all types of silage directly into the feeding trough shortly after the silage was cut from the block. This accessory option rests on top of the cutting bar. Thanks to the two stripping combs with their tearing tines, the silage can be distributed to the left or the right.



V-LOAD Cutter Topstar

Tried and tested double-blade cutting system with a cutting performance that is second to none





Rear installation



Rear installation with lifting frame



Front installation



Side shift

One-of-a-kind cutting quality

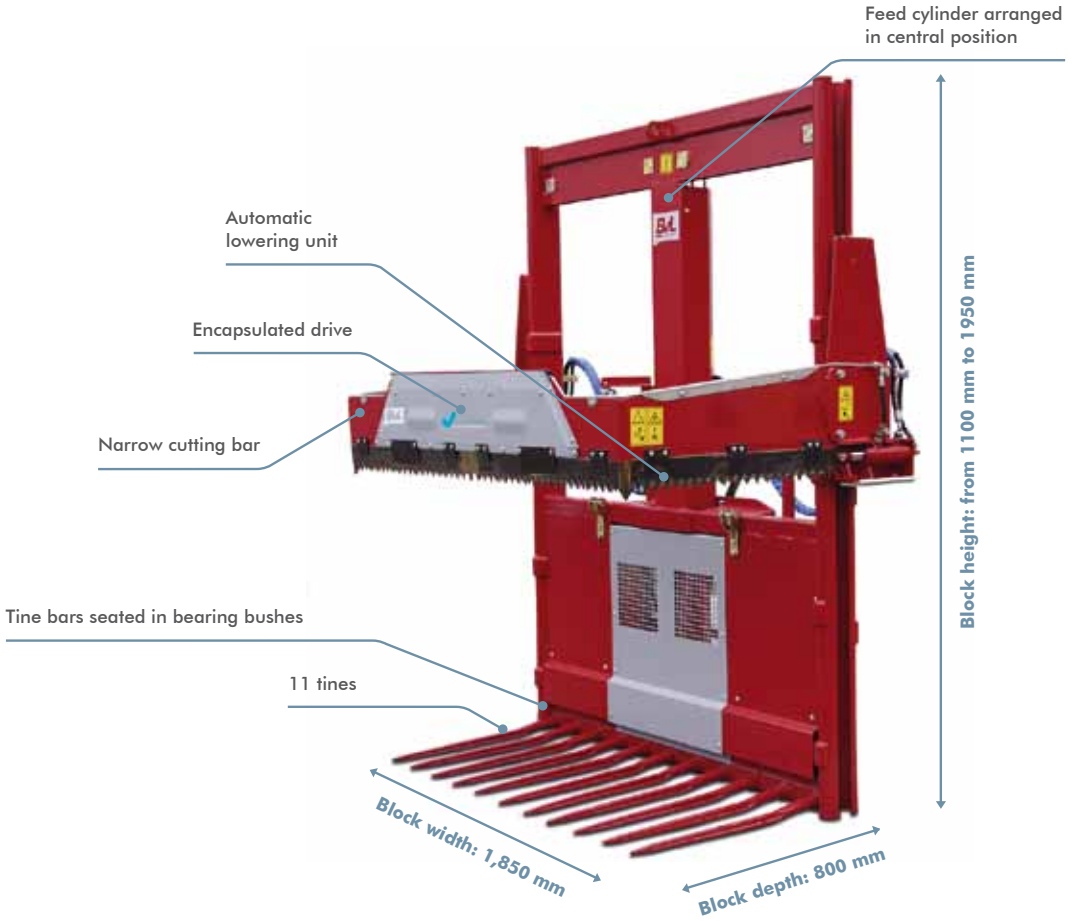


BvL's patented double-blade cutting system is distinguished by the singular cross section it creates. All blades are powered simultaneously by the same drive cylinder and leave behind a perfectly smooth cutting surface.



V-LOAD Cutter Megastar

The silage block cutter for professional applications





Rear installation with lifting frame



Hydraulic push-off system



Side shift



Direct loading of mixer wagons

Smooth cutting surface

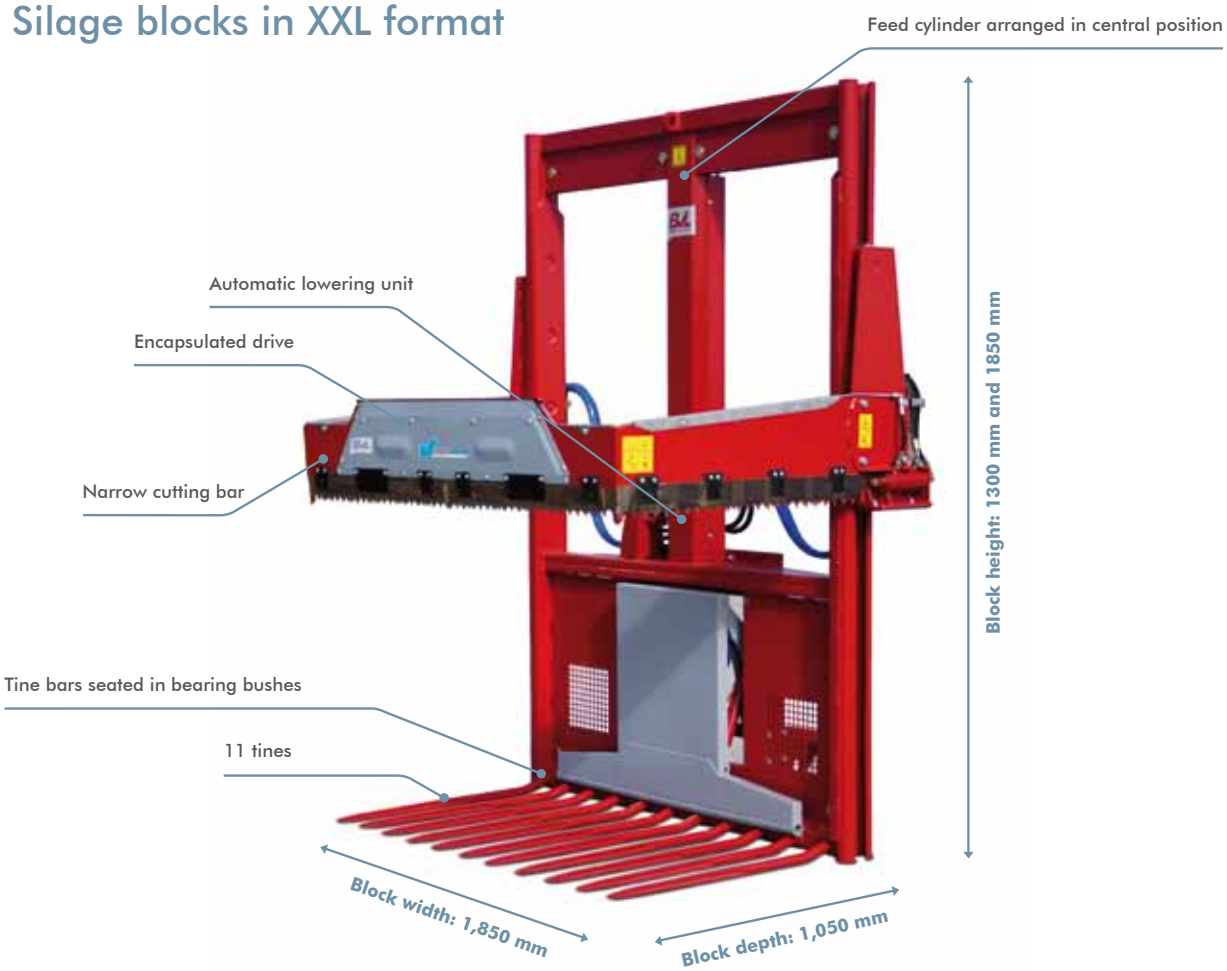


The V-LOAD Cutter Megastar sets itself apart with its exceptionally sturdy and reliable design. Made of fully hardened special steel, the transversal cutting unit is equipped with two counter-acting blades. This feature produces an exceptionally smooth, yet powerful cut. The cutting bar is nearly maintenance-free and is particularly well suited for demanding professional applications.


Quicke
120

V-LOAD Cutter Master

Silage blocks in XXL format





Blocks of up to 3.65 m³



Rear installation with lifting frame



Front installation



Automatic push-off system

Smooth cutting surface

Just as its Megastar sibling, the V-LOAD Cutter Master is equipped with a sturdy cutting bar. It distinguishes itself by its remarkably robust and well-founded design. The moving blade at the front of the transversal cutting unit is split into two sections. These two blades operate in a counter-acting motion. This feature produces an exceptionally smooth, yet powerful cut. The cutting bar is nearly maintenance-free and particularly well suited for demanding professional applications – especially those involving large quantities of material.

V-LOAD Shear

Robust cutting technology for “heavy” types of silage

V-LOAD SHEAR



V-LOAD Shear Top

Shear grab for installation at the front

The unique feature of the Top series is its elaborate, yet compact design. The geometry of the blades provides for a cut through the silage that is swift and does not result in loosening of the silage.

These front-mounted shear grabs can be mounted to all kinds of carrier vehicles. The cutting widths you can choose from range between 1600 mm and 1800 mm.



V-LOAD Shear Mega

Shear grabs for front or rear installation

The extremely robust and powerful Mega shear grab delivers a capacity of 2.25 m³. The unloading width is 1800 mm. Made of highly wear-resistant special steel, the knife blade is split into three segments which can be replaced individually. If mounted on the rear, the Mega shear grabs can also be equipped with a lifting frame and a hydraulic push-off system.

Ease of use meets robust design

The use of shear grabs is an excellent option if you, for instance, need to handle wet silage as the silage pressure generates a counter pressure during cutting. This technology preserves the storage density of the silage. The sophisticated shape of the cutting frame makes it possible to achieve clean cuts even on the toughest types of silage. The smooth and low-wear operation of our silage cutters guarantees a superior work experience while ensuring swift unloading with minimum trickle losses thanks to the closed cutting frame and the narrow spacing of the tines.





V-LOAD Shovel

Grapple buckets for universal use



V-LOAD Shovel Top

Low weight at great stability

The V-LOAD Shovel products of the Top series are characterized by their outstanding degree of stability at a low weight. The grapple bucket Top is particularly well suited for use as part of a tractor-front loader system. Its extra-low loading depth allows for the transport of large quantities even if working widths are narrow.



V-LOAD Shovel Mega

Sturdy with extra-low loading depth

The V-LOAD Shovel products included in the Mega series are an ideal choice when it comes to handling particularly demanding applications. This versatile piece of equipment sets itself apart by its sturdiness and straightforward design. The rugged construction allows for the use on wheel loaders and similar types of vehicles.

V-LOAD SHOVEL

Extract more from your silo

The extra-low loading depth of the V-LOAD Shovel series

BvL's grapple bucket technology sets itself apart by its extra-low loading depth. This makes it possible to unload and convey large quantities of silage even when you are operating with narrow working widths. The arrangement of the grapple tines has been optimized for a swift and smooth cut through the silage. As the grapple tines do not protrude over the "hardox" leading edge of the bucket when the bucket is open, they allow for a clean pick-up of the bulk goods all the way to the wall.



LOAD

Technical data

Cutter	Capacity [m³]	Overall width [mm]	Overall depth [mm]	Overall height [mm]	Weight [kg]	Power requirement approx. [kW]	Block dimensions WxDxH [mm]	Unloading height* max. [mm]
Topstar 110	1.65	2000	1250	1920	540	30	1850x800x1100	1600
Topstar 145	2.15	2000	1250	2280	585	37	1850x800x1450	1950
Topstar 170	2.55	2000	1250	2520	610	52	1850x800x1700	2200
Topstar 195	2.95	2000	1300	2800	640	60	1850x800x1950	2450
Megastar 110	1.65	2000	1250	1920	540	30	1850x800x1100	1600
Megastar 145	2.15	2000	1250	2280	585	37	1850x800x1450	1950
Megastar 170	2.55	2000	1250	2520	610	52	1850x800x1700	2200
Megastar 195	2.95	2000	1300	2800	640	60	1850x800x1950	2450
Master 130	2.50	2050	1520	2250	880	3	1850x1050x1300	1800
Master 185	3.60	2050	1520	2800	920	4	1850x1050x1850	2350

Shear	Capacity [m³]	Working width [mm]	Cutting height max. [mm]	Weight [kg]	Power requirement, approx. [kW]	Drive
Top 160	0.95	1600	700	470	44	double-acting connection for the cutting process on the tractor end
Top 180	1.30	1800	900	730	50	
Mega 180	2.25	1800	1300	940	60	

Shovel	Capacity [m³]	Working width [mm]	Overall length [mm]	Overall height [mm]	Weight [kg]	Power requirement approx. [kW]	Hydraulic connection	Grapple tines
Top 180	0.90	1800	1200	1000	490	50	1 x da	5
Top 200	1.00	2000	1200	1000	520	60	1 x da	5
Top 220	1.10	2200	1200	1000	550	70	1 x da	6
Mega 200	1.40	2000	1205	1080	800	80	1 x da	6
Mega 225	1.60	2250	1205	1080	840	80	1 x da	6
Mega 250	1.80	2500	1205	1080	900	80	1 x da	7

*depending on the tractor type

SYSTEM

MIX LOAD COMFORT BIO CONNECT

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.

BvL VAN LENGERICH

Bernard van Lengerich Maschinenfabrik GmbH & Co. KG
Grenzstraße 16 · 48488 Emsbüren · Germany
Tel.: +49 5903 / 951-0
Fax : +49 5903 / 951-34
E-mail: info@bvl-group.de
www.bvl-group.de

BvL dealers

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