



Innovation. Experience. Strength.

✓ LOAD

Unloading technology





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 

LOAD CUTTER
LOAD SHEAR



LOAD

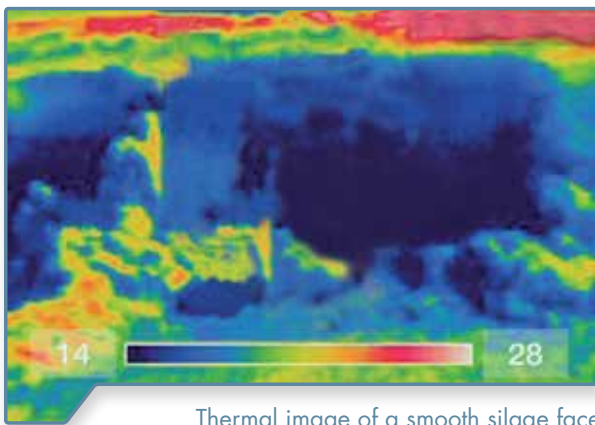
Unloading technology

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 and shear grabs.

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.



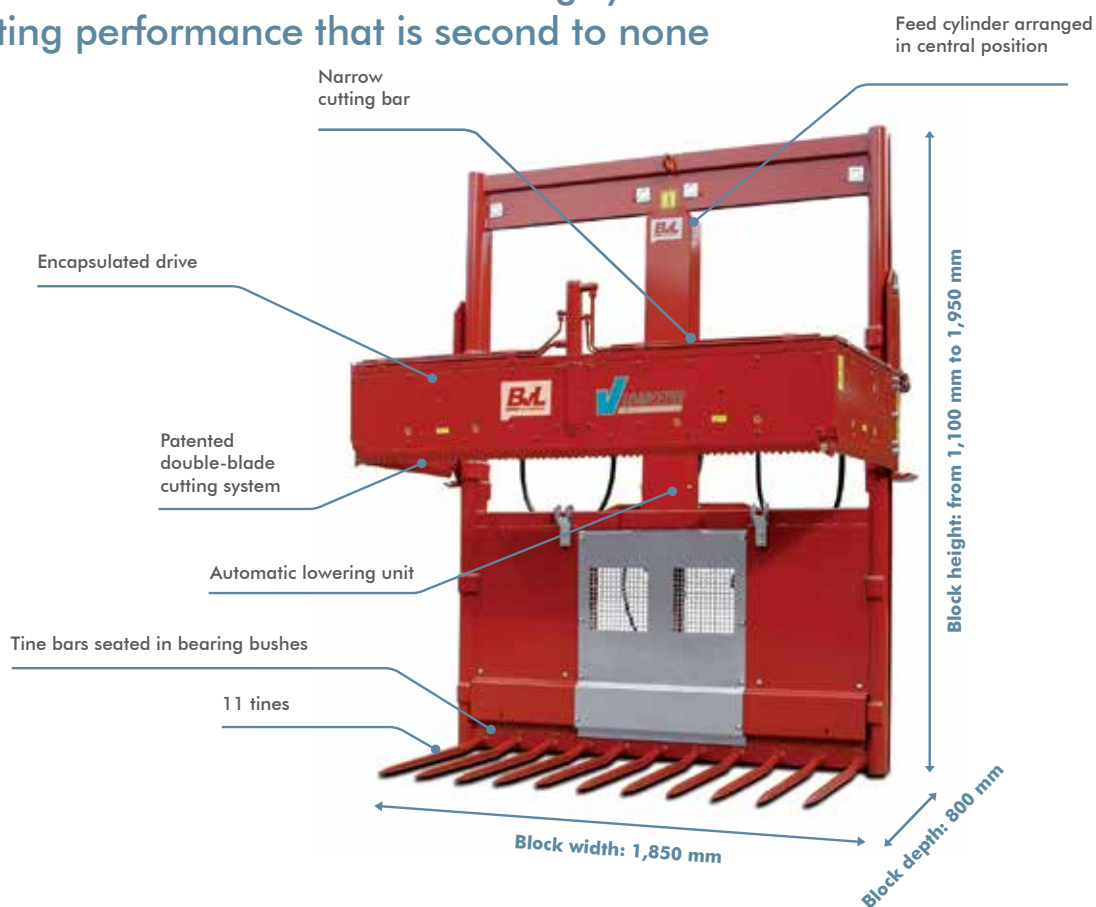
Spreading silage with ease using the V-LOAD Cutter Topstar

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



LOADCUTTER



Front installation



Rear installation with lifting frame



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.

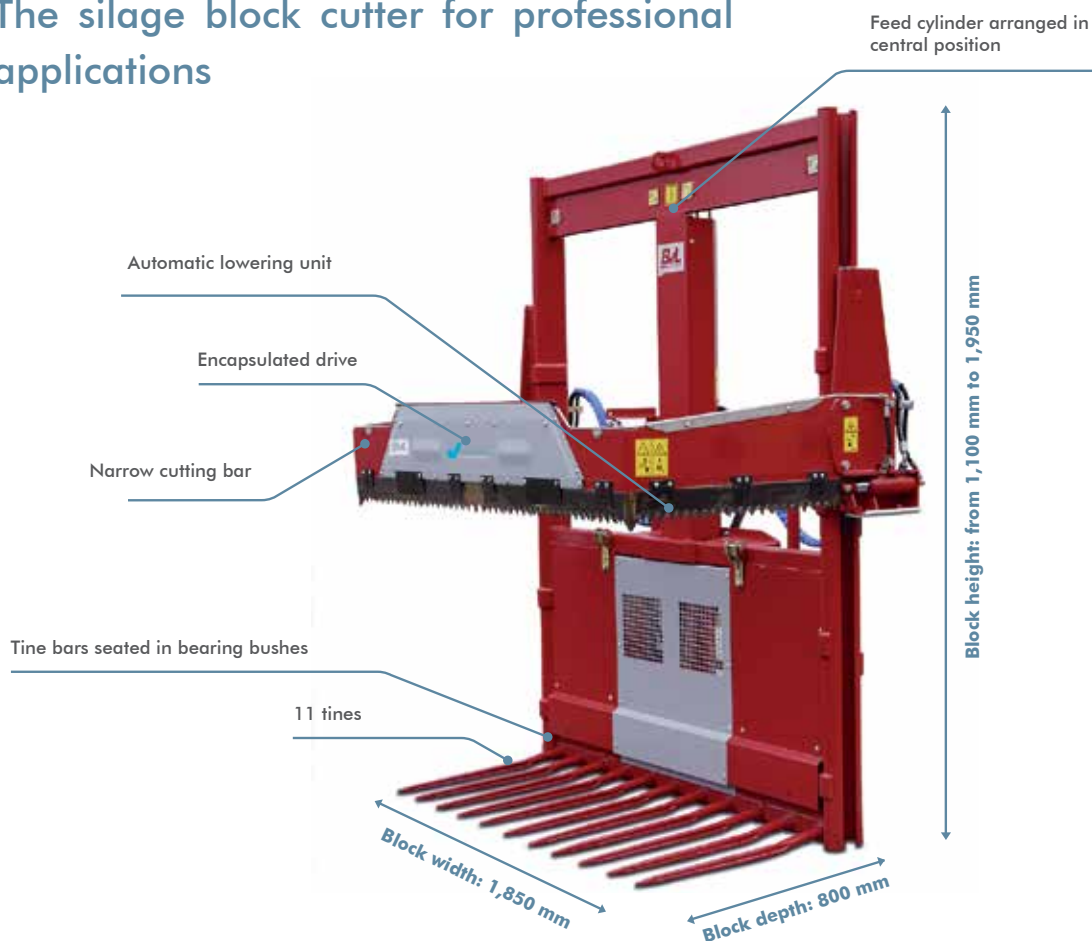




V-LOAD Cutter Megastar

The silage block cutter for professional applications

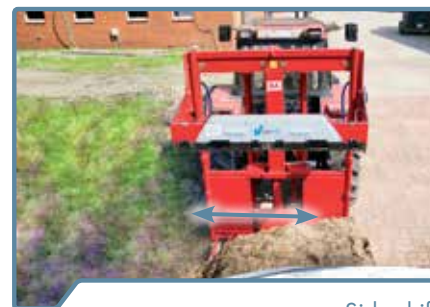
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Rear installation with lifting frame



Hydraulic push-off system



Side shift



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.





V-LOAD Cutter Master

Silage blocks in XXL format



LOADCUTTER



Blocks of up to 3.65 m³



Rear installation with lifting frame



Automatic push-off system



Smooth cutting surface

Just as its Megastar sibling, the V-LOAD Cutter Master is equipped with a sturdy cutting bar. 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.





BVL
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V-LOAD Shear

Robust cutting technology for “heavy” types of silage



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.

The benefits of the BvL silage shear grab at a glance:

- ✓ V-shaped toothed, 3-parted and bolted cutting edges
- ✓ heavy-duty design up to 2,25m³
- ✓ snappy handling
- ✓ low-maintenance construction

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.







Technical data

| Cutter | Capacity [m³] | Overall width [mm] | Overall depth [mm] | Overall height [mm] | Weight [kg] | Lifting power requirement [t] | Block dimensions WxDxH [mm] | Unloading height* max. [mm] | Unloading height* max. with lifting device [mm] |
|--------------|---------------|--------------------|--------------------|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|---|
| Topstar 110 | 1,65 | 2040 | 1250 | 1920 | 540 | 2 | 1850x800x1100 | 1600 | 3450/3700 |
| Topstar 145 | 2,15 | 2040 | 1250 | 2280 | 585 | 2,5 | 1850x800x1450 | 1950 | 3450/3700 |
| Topstar 170 | 2,55 | 2040 | 1250 | 2520 | 610 | 2,5 | 1850x800x1700 | 2200 | 3450 |
| Topstar 195 | 2,95 | 2040 | 1250 | 2800 | 640 | 3 | 1850x800x1950 | 2450 | 3450 |
| Megastar 110 | 1,65 | 2160 | 1250 | 1920 | 540 | 2 | 1850x800x1100 | 1600 | 3450/3700 |
| Megastar 145 | 2,15 | 2160 | 1250 | 2280 | 585 | 2,5 | 1850x800x1450 | 1950 | 3450/3700 |
| Megastar 170 | 2,55 | 2160 | 1250 | 2520 | 610 | 2,5 | 1850x800x1700 | 2200 | 3450 |
| Megastar 195 | 2,95 | 2160 | 1250 | 2800 | 640 | 3 | 1850x800x1950 | 2450 | 3450 |
| Master 130 | 2,50 | 2160 | 1520 | 2250 | 880 | 3 | 1850x1050x1300 | 1800 | 3050 |
| Master 185 | 3,60 | 2160 | 1520 | 2800 | 920 | 4 | 1850x1050x1850 | 2350 | 3600 |

| Shear | Capacity [m³] | Overall width [mm] | Overall depth [mm] | Overall height [mm] | Weight [kg] | Lifting power requirement [t] | Dimensions WxDxH [mm] | Tines |
|----------|---------------|--------------------|--------------------|---------------------|-------------|-------------------------------|-----------------------|-------|
| Top 160 | 0,95 | 1,70 | 1,00 | 700 | 470 | 1,6 | 1600x700x700 | 11 |
| Top 180 | 1,30 | 1,94 | 1,28 | 900 | 730 | 2,2 | 1800x800x900 | 13 |
| Mega 180 | 2,25 | 2,02 | 1,50 | 1300 | 940 | 3,2 | 1800x1000x1300 | 13 |

*depending on the tractor type



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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