

**SILOKING**

simply  
intelligent  
feeding



Trailed Line  
Classic



**Feed mixing technology**



### simply | intelligent | feeding

All of SILOKING's considerations refer to "simply | intelligent | feeding" – focusing on the requirements of the cow and the farmer, finding solutions and implementing them.

Preserving the feed structure, mixing long and short as well as dry and moist material precisely and discharging regular and precise rations. These are the requirements that SILOKING Technology has been designed for 365 days a year – with reliability and comfort.

### Successful concepts

SILOKING Innovations are based on intensive research, the practically experienced developers' know-how and intensive test series on farms. The focus is always on the requirements of modern agriculture. First-class feed quality is as important as are reliability, safety, long life and efficiency of the machines.

# TrailedLine Classic



## Smart 5

5 m<sup>3</sup>

The ideal and low-cost entry-level for farms into TMR feeding.



## Compact

7 m<sup>3</sup> - 14 m<sup>3</sup>

A medium-range model with all the benefits of a big feed mixer. Especially for confined buildings.



## Premium

9 m<sup>3</sup> - 14 m<sup>3</sup>

The comprehensive standard equipment with steps from both sides makes the Premium a professional feeding assistant.



## Duo

12 m<sup>3</sup> - 22 m<sup>3</sup>

The SILOKING Duo with 2 turbo augers addresses the workload of large farms and farms with narrow barn passages.

## SILOKING

SILOKING Mayer Maschinenbau GmbH produces innovative feeding technology and distributes it in more than 50 countries all over the world. The owner-managed family company is based in Tittmoning in Bavaria. With more than 420 employees and latest production methods, agricultural machines "Made in Germany" are developed and manufactured with high quality standards.

## Reliability

The series production as well as continuous quality and end controls ensure highest quality standard and efficient production, because serial production creates reliability. At SILOKING, the high level of vertical integration also involves comprehensive documentation and organization of spare parts supply.

## Experience

With over 27,000 units in the market, SILOKING has wide experience in manufacturing absolutely reliable, durable and efficient products. Flexible assembly lines allow an up-to-date product mix and a high product output.

## Security

Active sales worldwide through our own subsidiaries in Russia, Brazil and China as well as audited partners make SILOKING a competent producer. Thanks to experts, and comprehensive spare parts inventory on site, purchasing a SILOKING is a reliable thing worldwide.

# SILOKING Mixing unit, chassis, drive

The vertical mixing system is the heart of the feed mixer.



## Safe and clean

The mixing unit has been designed in a way to ensure complete unloading and avoid clogging even when long-fibred feed components are used.

The robust straw ring is standard equipment. The lower parts of the ring's brackets are designed so as to avoid clogging and to prevent an overflow of long-fibred material in particular.

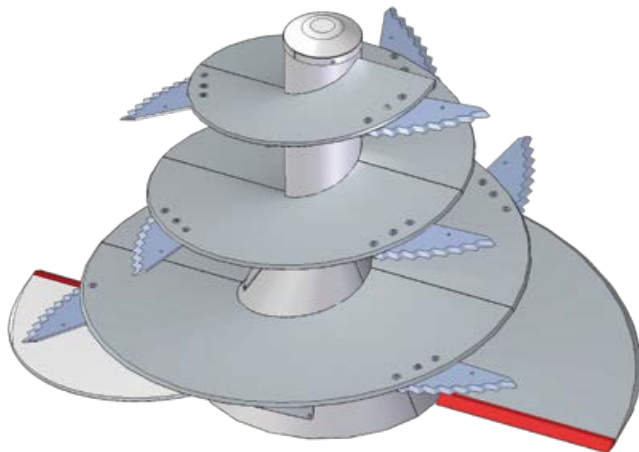
## Mixing hopper

The perfect ratio between the hopper height and width and the appropriate mixing auger is at the beginning of the proper operation of the mixing unit. The SILOKING Hopper geometry and the turbo auger are aligned perfectly, which provides for short mixing times while preserving the feed structure in an optimal way. The edged shape of the hopper slows down the feed moving in a circle and therefore supports the vertical mixing process. This reduces mixing time, preserves feed structure and also reduces the costs of operation.

## Adaption of the auger speed

The 2-speed gearbox (standard for Compact 10-T – 14, Premium 11 – 14 and all Duo models) allows you to adapt the auger speed to different work processes (step 1: mixing at 17 rpm, step 2: cutting long-fibred feed components and complete emptying at 33 rpm).

The gearbox can be shifted manually, via a Bowden cable or hydraulically.



The scraping bars of the turbo auger are made of extremely hard special steel for low wear.



### Drive

The SILOKING **TrailedLine** Classic feed mixers have a heavy SILOKING planetary gearbox with helical bevel gears that is always aligned to the power peak (to break up round bales, for example). This construction guarantees longevity and performance through its design to load peaks and forms the basis for optimum mixing results.

### Square-bar frame for accurate weighing

The rugged square-bar frame is the basis for the robust SILOKING Chassis. It has an extremely high load capacity and is torsion-resistant. Together with the special load cell casings, this offers perfect weighing accuracy, even on unlevel ground and when the mixing hopper is fully loaded.

### Best processing for long life

The supply lines, such as the cables of the weighing system and the hydraulic hoses, run safely and tidily in cable channels. They are fixed and protected against mechanical damage, for example stone chipping. A SILOKING Quality feature for long life and consistently reliable operation of the machine.

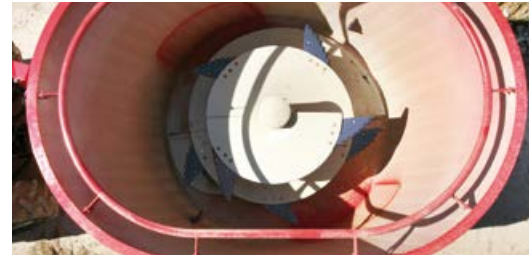
In addition, the axles and the new tyres are designed for high transport weights and road safety.



Step 1: for gentle mixing.



Step 2: for complete and quick emptying.



Step 2: for breaking up long-fibred feed.



# The SILOKING Feed discharge

A large variety for regular discharge and flexibility.



## Robust discharge doors for any demand

SILOKING offers several options of discharge doors for simple feed discharge.



The hydraulic door indicator indicates the opening height of the discharge door which is outside the driver's field of vision.

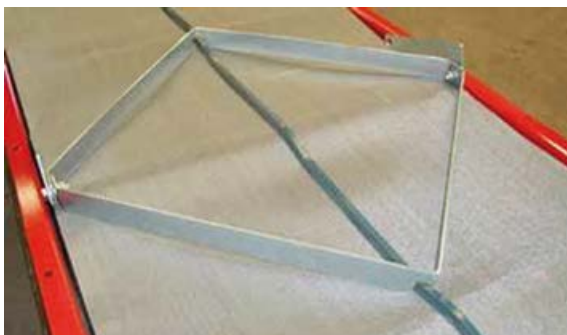




The SILOKING Cross conveyor belt works with slats of different heights for higher performance and more operational reliability.



The coupling between the drive motor and the drive roller provides for straight running and long service life.



The diamond-shaped inner scraper keeps the conveyor belt clean and guarantees longevity.

## The SILOKING Cross conveyor belt

A cross conveyor belt allows for depositing feed in a regular and wide feed swath. Feed to be pushed in later remains fresh, the feed intake of the cows increases. SILOKING has used its many years of experience to develop a unique, reliable and long-life cross conveyor belt to offer you this benefit.

### Double drive

Two drive motors mounted on the sides always drive the conveyor belt in the pulling direction, no matter which side discharge is carried out. Together with the scrapers inside, this design reduces wear to a minimum. The use of closed drive rollers, scrapers and a special discharge scraper ensures highest reliability.

The SILOKING Cross conveyor belt.



# SILOKING Weighing system

Everything is under control.

On the basis of the special weighing frame, only the mixing hopper is weighed, which results in high weighing accuracy and provides exact data for ration control. This is done via a simple adding weighing system or a programmable weighing system.



With its adding function, this basic weighing system included as standard displays the exact current weight during loading and unloading. This weighing system is mounted to the feed mixer and the display can be moved to any side.



Optional: The programmable weighing system makes it possible to create recipes and call any loading programs created.

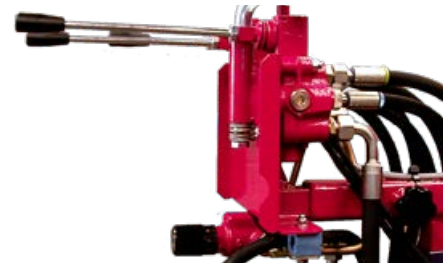


There is a choice of functional controls for the feed mixer, from mechanical control units with direct lever operation or Bowden cable control to the particularly comfortable electric control unit.

Optional: control unit with Bowden cable control for easy control of the functions from the driver's cab.



Optional: mechanical control unit with lever operation incl. control of the 2-speed gearbox and manual control of the conveyor belt speed (flow divider).



Optional: remote control for the electro-hydraulic control unit, offering comfort and operational reliability.



Transfer of weighing data between weighing system and PC. Creation of recipes on the PC and simple nominal/actual comparison.





Data can be read easily on the smartphone.

## SILOKING Data

Simple radio-controlled weighing system incl. free SILOKING Feeding Management Software

## SILOKING Data T (Tractor control)

- ▶ Data radio terminal as option
- ▶ Programmable weighing system can also be used as adding weighing system
- ▶ Control of the weighing system from the loading vehicle via additional Data radio terminal and/or own smartphone or tablet is possible

## SILOKING Data E (Electro-hydraulic)

- ▶ 1 Data radio terminal as standard
- ▶ Control of hydraulic functions via Data radio terminal
- ▶ Programmable weighing system can also be used as adding weighing system
- ▶ Control of the weighing system from the loading vehicle via additional Data radio terminal and/or own smartphone or tablet is possible

# SILOKING Additional equipment

The perfect solution for any farm or installation.



## SILOKING SoftStart

**For everyone who drives long distances or leaves the machine loaded.**

SILOKING offers the SoftStart clutch as an option for the vertical feed mixer model range of **TrailedLine Classic Duo**. This hydraulic clutch especially developed for SILOKING Feed mixers is located between the planetary gearboxes of the individual mixing augers. By starting only one auger – switching on the other auger later – the drive requirement of the tractor can be reduced by up to 50 %.



## SILOKING Hybrid

**Diagonal conveyor belt for particularly narrow barns with high troughs.**

The diagonal conveyor belt is mounted in an inclined position. Not foldable, it keeps the whole machine narrow, even in working position. The SILOKING Hybrid conveyor belt also offers the required collision safety as the conveyor belt protrudes only slightly beyond the right feed mixer side.



## SILOKING TwinLift

**Sliding cross conveyor belt with automatic height adjustment.**

This conveyor belt can be slid hydraulically to either side, and the outer end is lifted automatically by up to 50 cm. It is also possible to slide the belt horizontally via simple lever operation. This system is characterized by two-sided feed discharge into high troughs.

## Other accessories

SILOKING offers a whole range of additional equipment to meet any special requirements of the respective farm. Reliable function and correct adaption to the machine ensure reliability and comfortable work 365 days a year.



SILONOX Auger edge lining – can be mounted to the turbo auger subsequently.

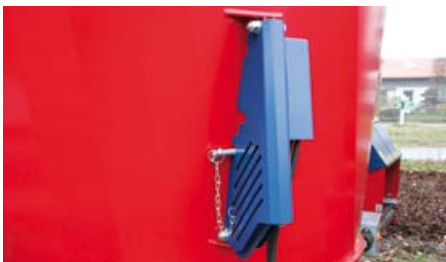
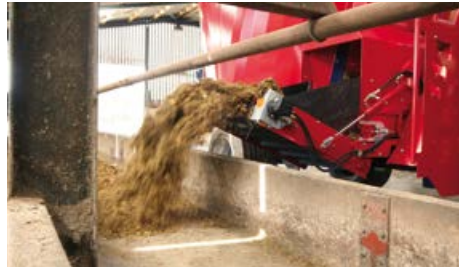


Heavy-duty magnet on the turbo auger.

Wide-angle drive shaft.



Additional foldable conveyor belt.



Hydraulic counter-blades.



Hydraulic shift for 2-speed gearbox.

### Other options

- ▶ Infinitely variable control of conveyor belt speed
- ▶ Mechanical control unit with direct lever operation
- ▶ Control unit with Bowden cable control
- ▶ Control unit with electric control
- ▶ On-board power supply
- ▶ Several tyre options to adapt the total height
- ▶ Various discharge options
- ▶ Special hopper dimensions for adaption to barn passages
- ▶ Hydraulic jack
- ▶ and other options

# SILOKING TrailedLine Classic Smart

The mini range (5 m<sup>3</sup>)



The SILOKING Smart has been developed with two important facts in mind – minimum cost with maximum reliability!

It fulfils these requirements in a perfect way, offering proven SILOKING Technology that is reliable as usual.

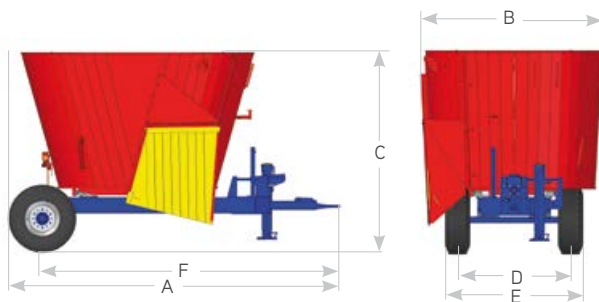
The compact design provides it with optimal manoeuvrability for flexible use and makes it the first choice especially for smaller farms.



Additional foldable (side) conveyor belt for feed discharge into higher troughs.

## The details make the difference

The through drive shaft guarantees smooth running of the machine for low wear and long life. The safe step allows for looking into the mixing hopper: thanks to its position on the square-bar frame, the operator does not affect the weighing system when he climbs onto it (for adding mineral feed, for example). In view of exact weighing, the load cells are mounted onto the square-bar frame below the mixing hopper even with this compact feed mixer, which considerably increases durability.



### Technical specifications

Model*		Smart 5 SVR	Smart 5 SVR / SHL	Smart 5 SHM	Smart 5 SHL
* SVR: discharge door at front right, SHM: discharge door at rear centre, SHL: discharge door at rear left					
A Length	mm	3.400	3.500	3.600	3.500
F Distance towing eye-axle	mm	2.960	3.130	2.960	3.130
B Width	mm	2.080	2.150	2.030	2.080
C Height	mm	2.280	2.280	2.280	2.280
Tyres		10.0/75-15.3 14 PR	10.0/75-15.3 14 PR	10.0/75-15.3 14 PR	10.0/75-15.3 14 PR
D Track width	mm	1.300	1.300	1.300	1.300
E Outer width of wheels	mm	1.600	1.600	1.600	1.600
Mixing auger		1	1	1	1
Adjustable XS knives		4	4	4	4
Mixing auger speed	rpm	32	32	32	32
Capacity	m <sup>3</sup>	5	5	5	5
max. drawbar load	kg	800	800	800	800
max. total weight (technically)	kg	3.800	3.850	3.800	3.800
max. total weight (in D) 25 km/h	kg	3.000	3.000	3.000	3.000
Empty weight	kg	1.800	1.850	1.800	1.800
Load cells		3	3	3	3

# SILOKING TrailedLine Classic Compact

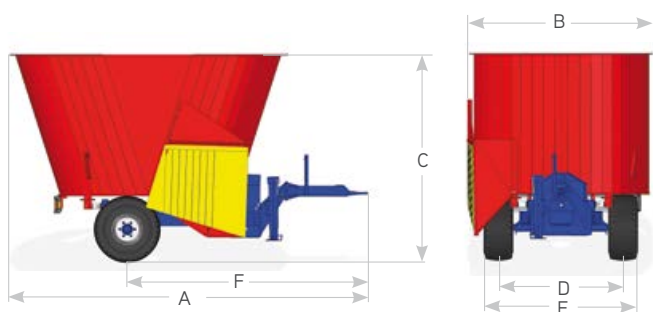
The medium range (7 m<sup>3</sup> - 14 m<sup>3</sup>)



## Various discharge options

A large variety of discharge options is offered to suit any farm, from feed discharge via discharge doors on the right or on the left, through the SILOKING Cross conveyor belt at front or at rear, to an additional foldable conveyor belt for very high troughs.





Technical specifications								
Model		Compact 7	Compact 8	Compact 9	Compact 10	Compact 10-T	Compact 12	Compact 14
A Length	mm	4.300	4.500	4.550	4.650	4.700	4.750	4.800
F Distance towing eye-axle	mm	3.070	3.070	3.070	3.070	3.220	3.220	3.220
B Width	mm	2.060	2.250	2.250	2.400	2.550	2.550	2.550
C Height	mm	2.520	2.440	2.640	2.750	2.570	2.770	3.140
Tyres		10.0/75-15.3 22PR	10.0/75-15.3 22PR	10.0/75-15.3 22PR	400/60-15.5 14PR	400/60-15.5 14PR	400/60-15.5 14PR	435/50 R19.5
D Track width	mm	1.550	1.550	1.550	1.550	1.700	1.700	1.750
E Outer width of wheels	mm	1.850	1.850	1.850	1.980	2.130	2.130	2.200
Upper linkage height	mm	840	840	840	900	850 / 900	850 / 900	890 / 940
Lower linkage height	mm	340	340	340	400	400	400	440
Discharge height from cross conveyor belt	mm	720	720	720	800	800	800	880
Cross conveyor belt length	mm	2.020	2.020	2.020	2.020	2.340	2.340	2.340
Cross conveyor belt width	mm	700	700	700	700	700	700	700
Turbo auger		1	1	1	1	1	1	1
Auger windings		1,75	2	2	2	2	2	3
Adjustable XS knives		5	6	6	7	7	7	9
Turbo auger speed	rpm	24	24	24	24	17 / 33	17 / 33	17 / 33
Capacity	m <sup>3</sup>	7	8	9	10	10	12	14
max. drawbar load	kg	1.000	1.000	1.000	1.000	1.000	1.000	1.000
max. total weight (technically) kg		7.000	7.000	7.150	7.800	8.250	9.200	10.300
max. total weight (in D) 25 km/h	kg	7.000	7.000	7.000	7.800	8.000	8.000	9.000
Empty weight	kg	2.950	3.450	3.550	3.800	4.250	4.400	4.700
Load cells		3	3	3	3	3	3	3

## The SILOKING Compact is a medium-range model with all the benefits of a big feed mixer!

The SILOKING **TrailedLine** Classic Compact range with one turbo auger is ideal even for use in confined buildings, e. g. with small and low barn passages. The short chassis is particularly flexible and easy to manoeuvre. The drive and the frame are designed for maximum continuous load even in this range. Comprehensive serial equipment, such as the 2-speed gearbox from model Compact 10-T upwards, the underrun protection with lighting and the ladder mounted to the frame is SILOKING standard.

Thanks to its hopper geometry and the robust drive, the machine can be used not only for standard mixes but also for breaking up round bales and for cutting long-fibred feed.

The cross conveyor belt at rear is perfect for dead-end feed tables and narrow feed alleys.



# SILOKING TrailedLine Classic Duo

The jumbo range (12 m<sup>3</sup> - 22 m<sup>3</sup>)







# SILOKING **TrailedLine Classic Duo**

The low "T" range (14 m<sup>3</sup> and 18 m<sup>3</sup>)

These models are particularly suitable for farms with low barn passages and convince with their low loading height.



SILOKING **TrailedLine Classic Duo 14-T** has an overall height of just 2.45 m.



# SILOKING TrailedLine Classic Premium

The heavy-duty range with comfort features (9 m<sup>3</sup> - 14 m<sup>3</sup>)

## Comfortable professional equipment

The frame and the drive are designed for maximum continuous load and the standard equipment including comfortable steps from both sides and the SILOKING Cross conveyor belt makes it the professional machine for daily feeding.

The comfortable platform with aluminium step treads provides convenient and safe access from both sides of the machine. It is mounted onto the frame itself so that the operator climbing onto it is not weighed, which is particularly important, e. g. when adding mineral feed.

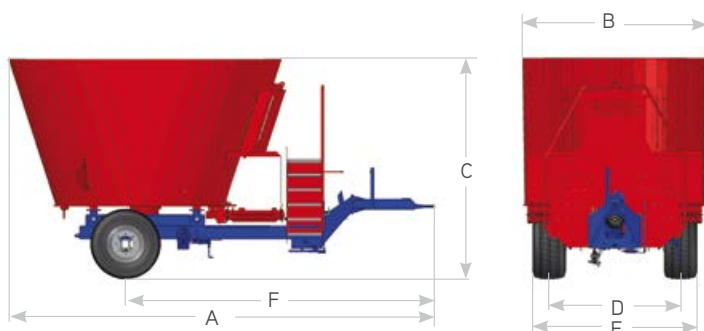
The SILOKING Cross conveyor belt at front with slats of different heights and two-sided drive via 2 hydraulic oil motors belongs to the standard equipment of the machine, just as much as 4 load cells from model Premium 11 upwards.

The 2-speed gearbox is standard from model Premium 11 upwards and makes it possible to adapt the auger speed to feed components and feed texture.



### Technical specifications

Model		Premium 9	Premium 10	Premium 11	Premium 12	Premium 13	Premium 14
A Length	mm	5.200	5.250	5.300	5.350	5.400	5.450
F Distance towing eye-axle	mm	3.670	3.670	3.750	3.750	3.750	3.960
B Width	mm	2.360	2.360	2.520	2.520	2.520	2.520
C Height	mm	2.620	2.820	2.700	2.800	2.950	3.140
Tyres		400/60-15.5 14PR	400/60-15.5 14PR	400/60-15.5 14PR	400/60-15.5 14PR	400/60-15.5 14PR	435/50 R19.5
D Track width	mm	1.550	1.550	1.700	1.700	1.700	1.750
E Outer width of wheels	mm	1.980	1.980	2.130	2.130	2.130	2.200
Upper linkage height	mm	900	900	850 / 900	850 / 900	850 / 900	890 / 940
Lower linkage height	mm	400	400	400	400	400	440
Discharge height from cross conveyor belt	mm	840	840	840	840	840	880
Cross conveyor belt length	mm	2.020	2.020	2.340	2.340	2.340	2.340
Cross conveyor belt width	mm	700	700	700	700	700	700
Turbo auger		1	1	1	1	1	1
Auger windings		2	2	2	2	2,5	3
Adjustable XS knives		7	7	7	7	8	9
Turbo auger speed	rpm	24	24	17 / 33	17 / 33	17 / 33	17 / 33
Capacity	m <sup>3</sup>	9	10	11	12	13	14
max. drawbar load	kg	1.000	1.000	1.000	1.000	1.000	1.000
max. total weight (technically)	kg	8.000	8.100	8.820	9.300	9.870	10.400
max. total weight (in D) 25 km/h	kg	8.000	8.000	8.000	8.000	8.000	9.000
Empty weight	kg	4.000	4.100	4.420	4.500	4.670	4.800
Load cells		3	3	4	4	4	4





## Everyone is welcome to learn from our expertise!

With state-of-the-art equipment, the SILOKING Sales & Training Center provides regular training and information for dealers, technicians and farmers. We are always happy to welcome visitors to the Sales & Training Center, by arrangement.

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