feedstar

More than 60 years of experience

The original feed belt

Feed 100% self-sufficiently and emission-free



Watch farms with Feedstar on YouTube!

Request feed belt without obligation now!



Company EDER – Feedstar

For over 530 years, EDER has stood for reliability, innovative strength and future-oriented solutions. With *feed*star we have created a brand that has been setting standards in belt feeding for more than 60 years and is today the market leader with over 4,750 installed systems.

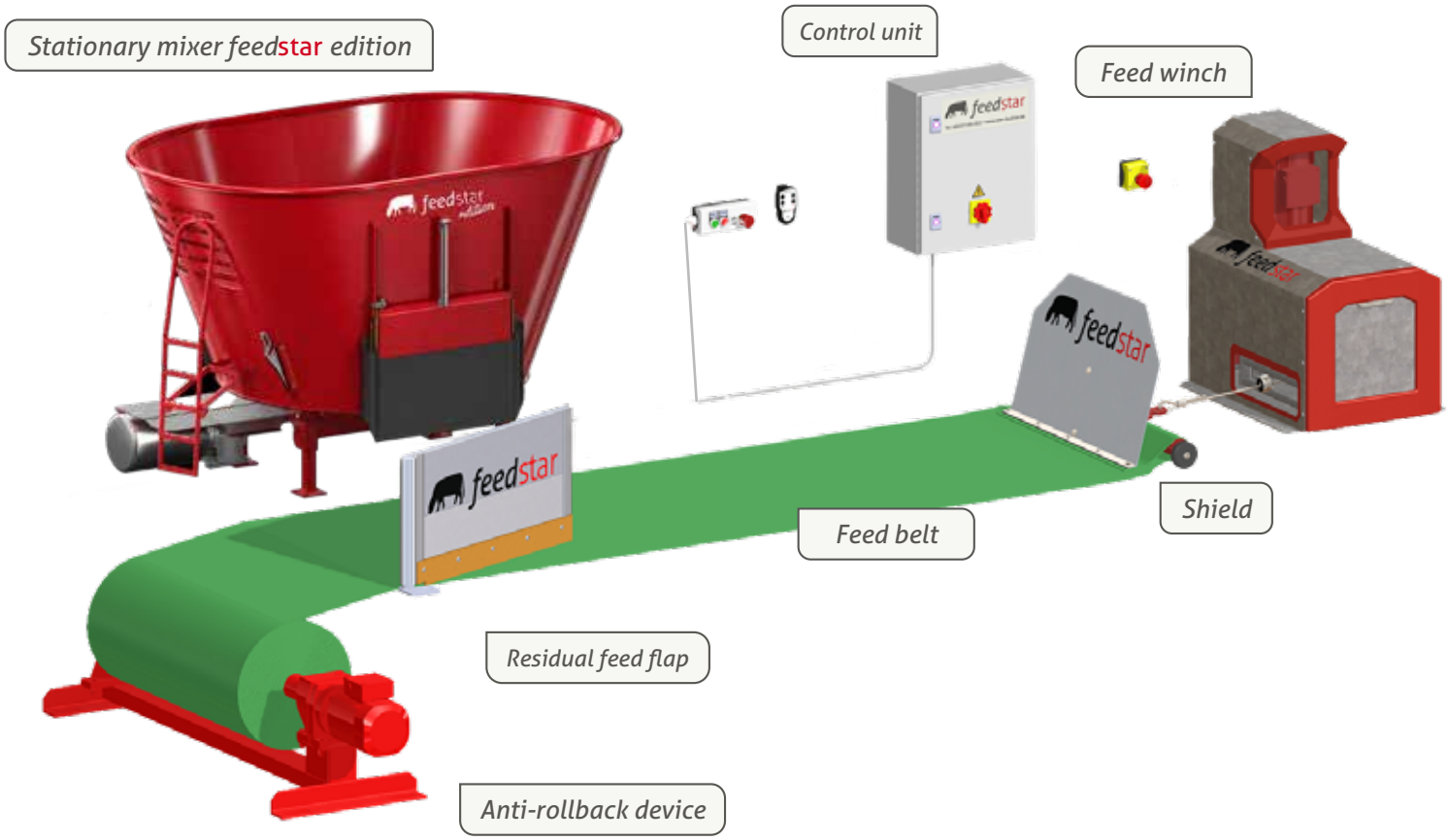
Our feeding systems combine animal welfare, cost-effectiveness and maximum space efficiency. In doing so, we are continuously developing *feed*star further in order to meet the requirements of modern agriculture.

A particular advantage: *feed*star works completely self-sufficiently and emission-free with an electric stationary mixer or feed dispenser in combination with a PV or biogas system. In this way, our customers not only save construction and labour costs, but at the same time reduce energy consumption, operating costs and CO_2 emissions – for more economical and sustainable agriculture.

Production takes place exclusively in our production halls in Tuntenhausen, Upper Bavaria. High-quality raw materials, regional value creation and resource-saving production processes form the basis for the quality and durability of our systems.

Whether standard solution or demanding construction project –together with our customers we develop individual feeding concepts that convince today and will stand the test of time tomorrow.

Functional principle



12 things that are important to our customers



- 60 years of experience & CE-compliant
- Space savings
- Emission-free
- Use of PV power & biogas for feeding
- Feed pushing no longer required
- Sweeping out residual feed no longer required
- Mechanical coupling & brake
- Construction cost savings
- More calm in the barn
- Robust & durable design
- Low maintenance
- Time savings

For different animal species



Dairy cattle



Young cattle



Bull fattening



Sheep



Goats

Functional principle – **Automatic control with ou**

feedstar edition
Stationary feed mixer



Fully automatic control



E-wheel loader: LiuGong 820TE



Anti-rollback device



Residual feed flap with collection



r Feedstar PRO

Electricity from renewable energies



High-performance winch



Drive-over silos

Feed belt (up to 125 m)



With our *feedstar* Pro, your animals are automatically supplied with feed from the pre-filled feed mixer or feed dispenser.

You set the feeding times and quantities as desired – according to your needs.

The feeding cycle repeats as often as desired – depending on feeding times.

New building with Feedstar – Operation Zölch

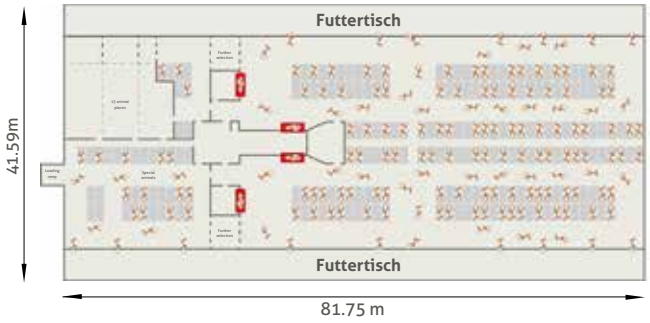
260 cows



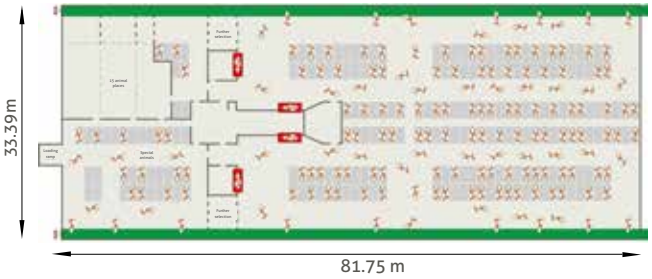


Zölch Farm Report

Floor area with feed table: 3,400 m²



Floor area with feed belt: 2,730 m²



Savings 670 m² enclosed space
Savings of €469,000 (700 € / m² enclosed space)

New building with Feedstar – Operation Mauser

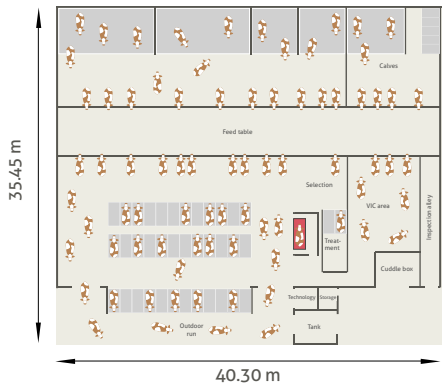
100 cows



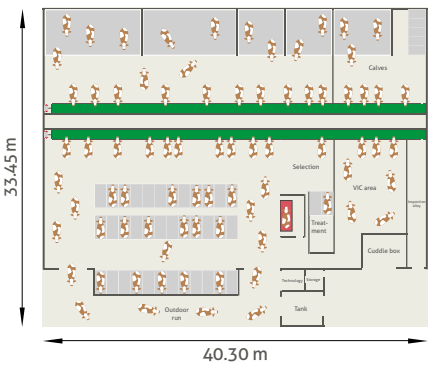


Mauser Farm Report

Floor area with feed table: 1,429 m²



Floor area with feed belt: 1,348 m²



Savings of 81 m² enclosed space
Savings of €56,700 (€700 / m² enclosed space)

New building with Feedstar – Hermann Farm

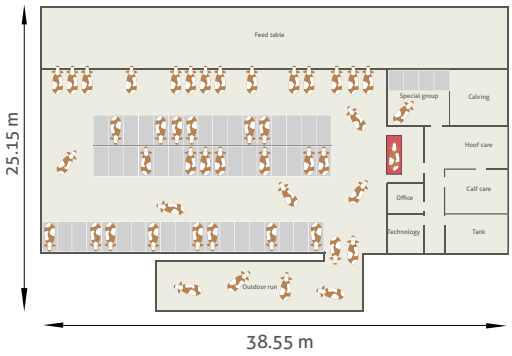
58 cows

Hermann Farm Report

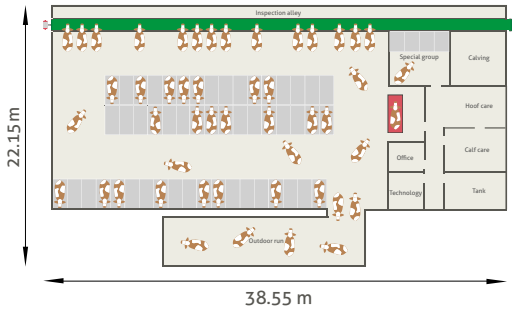




Floor area with feed table: 970 m²



Floor area with feed belt: 854 m²



Savings 116 m² enclosed space
Savings of €81,200 (700 € / m² enclosed space)

New building with Feedstar – Operation Scheibenreiter

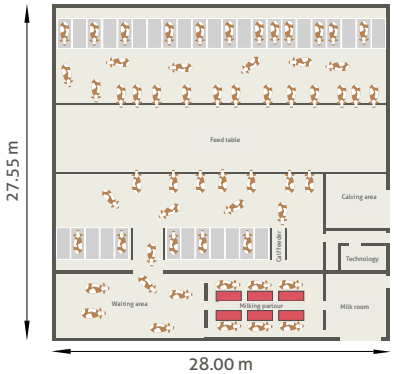
35 cows

Scheibenreiter Farm Report

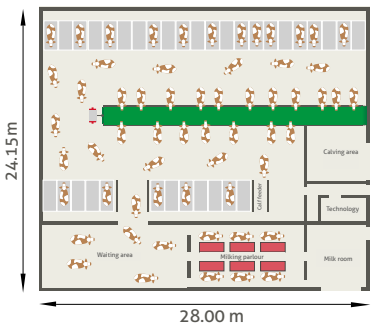




Floor area with feed table: 771 m²



Floor area with feed belt: 676 m²



Savings 95 m² enclosed space
Savings of €66,500 (700 € / m² enclosed space)

Conversion with Feedstar – Rottenkolber Farm

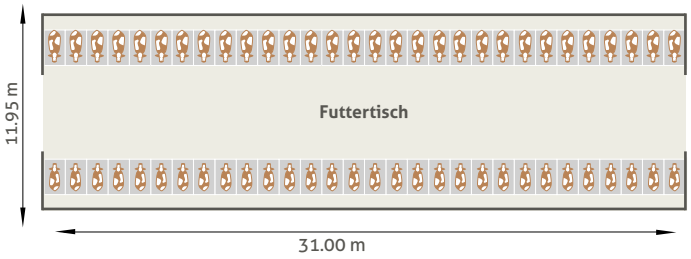
60 young stock



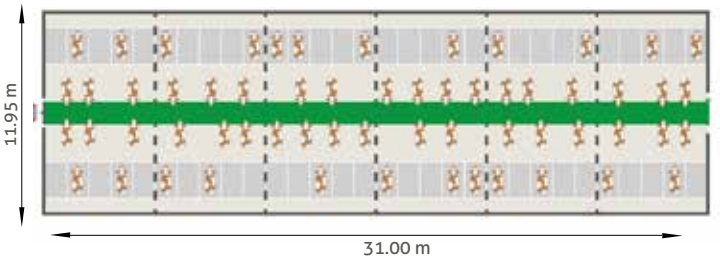


Van der Rottenkolber Farm Report

Tie-stall
feed table: 155 m²



Free stall
feed table with Feedstar: 43 m²



Space gain 112 m²

Conversion with Feedstar – Van der Steege Farm

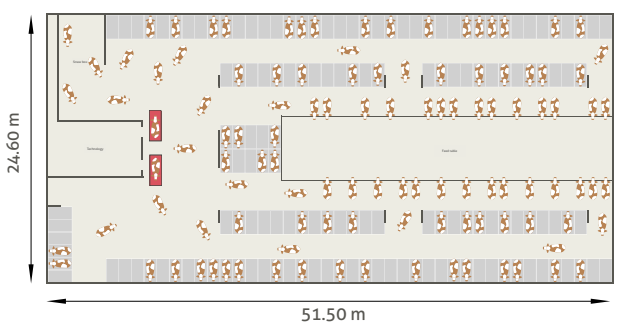
180 cows



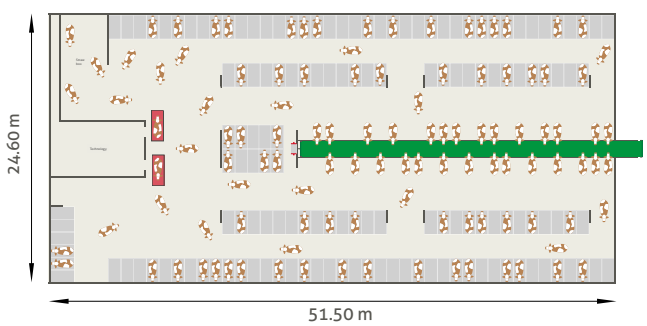


Van der Steege Farm Report

Feed table: 175 m²



Feed table with Feedstar: 49 m²



Space gain 126 m²

Extension with Feedstar – Kellerer Farm

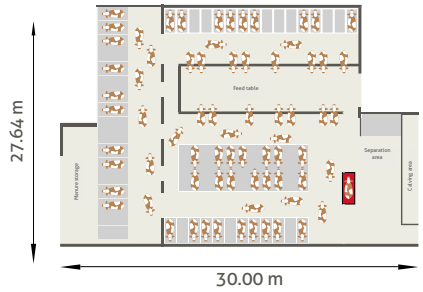
85 cows

Kellerer Farm Report

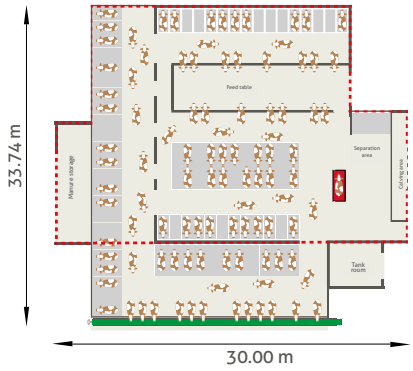




Floor area before extension: 829 m²



Floor area after extension: 1,012 m²



32 additional feeding places

Extension with Feedstar – Heim Farm

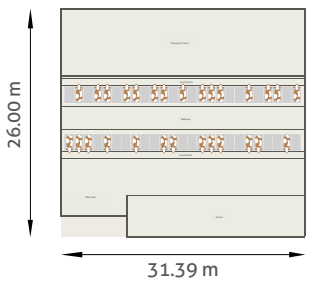
33 cows

Heim Farm Report

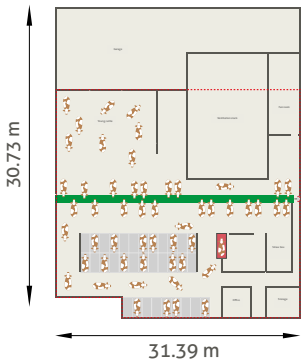




Barn extension with feed table: 1,059 m²



Barn extension with Feedstar: 965 m²



Space saving of 94 m²

feedstar

Save up to 17,900 euros per year on diesel

Diesel and CO_2 savings with *feed*star

with 80 cows

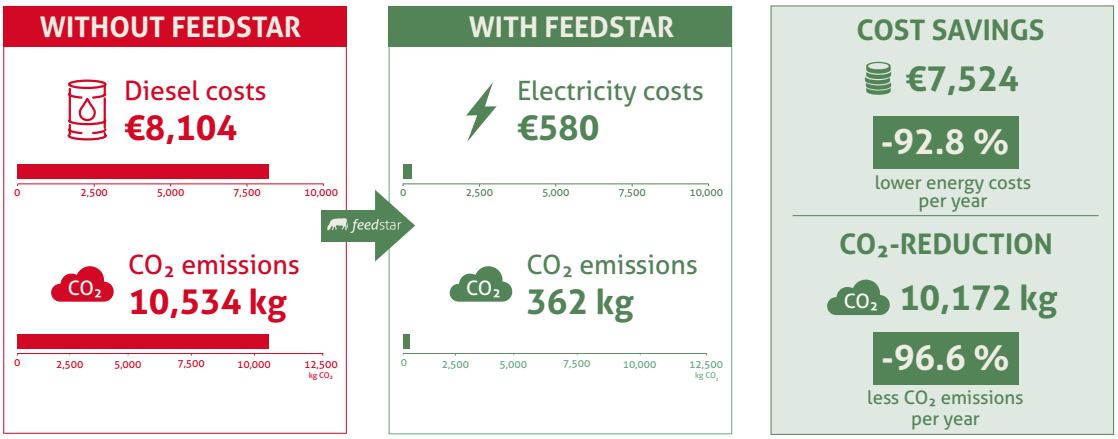
Sustainability is an important topic for the present and future and the *feed*star feed belt saves a considerable amount of CO_2 and diesel.

For a farm with 80 animals and 4,000 kg of feed per day, switching to *feed*star in combination with a stationary feed mixer and electric loader can save approximately 4,000 litres of diesel annually.

This corresponds to up to 10.5 tonnes of CO_2. In addition to up to 10.5 tonnes of CO_2 the farm would save almost €5,800 in annual energy costs. In the case of own solar power, even up to €7,500.

Illustrative calculation of CO_2 and energy consumption savings based on a diesel price of €2.00 / litre and a solar power price of €0.080 / kWh

80 cows - feed table 50 m on both sides - feed quantity approx. 4,000 kg



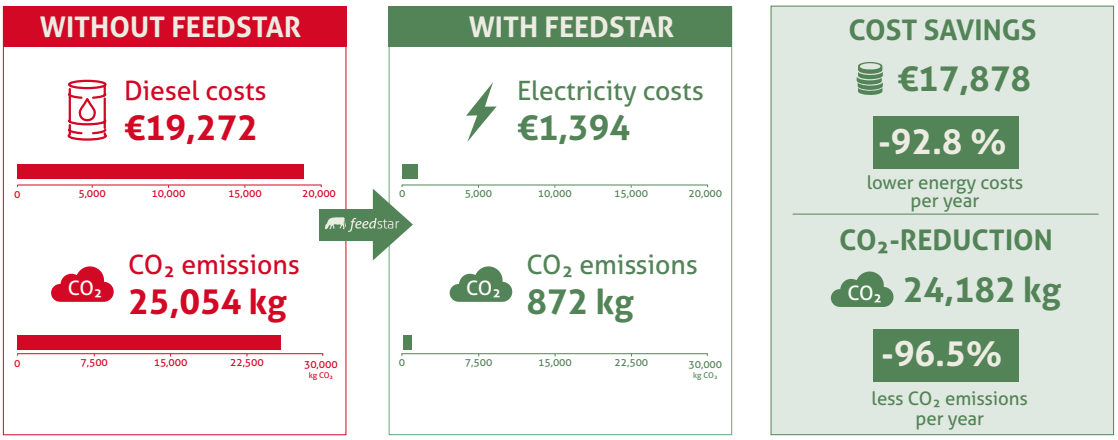
with 200 cows

For a farm with 200 animals and 10,000 kg of feed per day, switching to *feed*star in combination with a stationary feed mixer and electric loader approximately 9,600 litres of diesel can be saved annually.

This corresponds to up to 25 tonnes of CO_2. In addition to up to 25 tonnes of CO_2, the farm would save more than €13,600 in annual energy costs. In the case of own solar power, even up to €17,900 per year.

Illustrative calculation of CO_2 and energy consumption savings based on a diesel price of €2.00 / litre and solar power price of €0.080 / kWh

200 cows - feed table 65 m on both sides - feed quantity approx. 10,000 kg



Further information on diesel & CO_2 savings

Electric wheel loader: LiuGong 820TE

Short & sweet

· Electric motor
· Lifting capacity: 2,000 kg
· Lifting height: 2,650 mm
· Width x length: 2,225 x 5,900 mm
· Overall height: 2,520 mm
· Discharge height: max. 2,600 mm
· Lifting capacity at ground level: max. 2,000 kg
· Dead weight (w/o attachments): approx. 6,800 kg
· Hydraulic pressure: max. 235 bar
· Travel speed: 40 km/h
· Power: 60 kW
· Efficiency: 70.5 kWh battery with fast charging in only 60 minutes



Further information LiuGong 820TE

Silage bucket and grab





Short & sweet

Silage bucket

· Overall width: 2,400 mm
· Weight: 1,110 kg
· Capacity: 1,660 l
· Opening width: 96 mm
· Height/depth: 1,160 x 1,250 mm

Short & sweet

Silage grab

· Block width/height: 2,410 x 1,100 mm
· Block depth: 800 mm
· Filling volume 2.12 m^3
· Cylinder diameter (2 pcs.): 1,110 mm
· Dead weight: 1,100 kg
· Number of tines: 20

Both silage shovels and silage tongs are also available in smaller sizes.

Components – **Winch**



Short & sweet

· From 1 kW to 15 kW
· Up to 12 tonnes of feed quantity
· With mechanical clutch & mechanical brake
· Constant & stepless speed possible
· Robust mechanical limit switch
· Reliable bevel gear from SF22

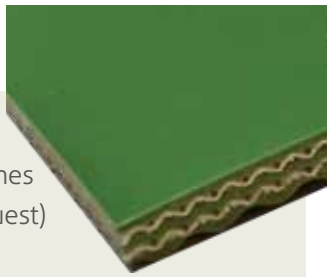


WINCH	SF 22K	SF 33K	SF 44K	SF 88K	SF 99K	SF 99 K-S
POWER	3.08 kW	4.2 kW	5.6 kW	8.25 kW	11.0 kW	15.0 kW
ILLUSTRATIVE FEED QUANTITIES PER FEEDING	2,000 kg	3,000 kg	4,000 kg	5,500 kg	7,000 kg	12,000 kg*

*Larger quantities available on request

Components – **Feed belt**





Short & sweet

· Fabric-reinforced & tear-resistant up to 20 tonnes
· Length: up to 125 m (more than 125 m on request)
· Width: 0.4 m to 3 m
· Individual recommendation of the width depending on animal species and type of feeding (one-sided or two-sided)
· Belt thickness depending on requirements: 2.8 mm to 3.2 mm
· Width of the feed belt is chosen so that the animals can reach the feed completely

Components – **Rollback device**



Short & sweet

· No daily sweeping of the feed table necessary
· Perfectly matched to winch and feed belt
· Optional with various deflection rollers possible
· Extremely stable, durable and low maintenance
· Optional available as narrow and/or low version





WINCH	ROLLBACK DEVICE	ILLUSTRATIVE FEED QUANTITY	FEEDSTAR BASIC SPEED	FEEDSTAR VARIO SPEED	ILLUSTRATIVE BELT LENGTH
SF 22K	RRV II	2,000 kg	8.6 m / min.	4.3 to 14.6 m / min.	25 m
SF 33K	RRV II	3,000 kg	8.6 m / min.	4.6 to 14.6 m / min.	35 m
SF 44K	RRV III	4,000 kg	9.3 m / min.	5.0 to 15.8 m / min.	45 m
SF 88K	RRV IV	5,500 kg	13.4 m / min.	8.6 to 14.8 m / min.	55 m
SF 99K	RRV IV	7,000 kg	13.5 m / min	9.6 to 14.9 m / min.	70 m
SF 99 K-S	RRV IV	12,000 kg	13.5 m / min	8.3 to 12.9 m / min.	85 m

Components – **Leftover feed flap**





Short & sweet

· Aluminium flap
· Automatic & manual possible
· Length individually up to 3 m
· Height: 0.4 m
· Clean & hygienic
· Leftover feed is transported out of the barn by belt reverse run

Special rope



Short & sweet

· Depending on requirements in 8 mm, 10 mm or 12 mm
· Depending on requirements stainless steel, galvanised steel or plastic
· High tensile strength
· Connected to pull bar with robust hook
· For plastic rope and from SF88 the hook is replaced by a shackle



Pull bar



Short & sweet

· Connection between feed belt and rope
· Extra strong and robustly built
· Adapted to belt width
· Optional with lateral guide rollers



Shield



Short & sweet

· Prevents feed from being pushed out over the pull bar
· Made of high-quality aluminium
· Individually adapted to belt width
· Connected to pull bar
· Feeding places usable up to pull bar



Basic + Vario control



Short & sweet

· Easy operation & low maintenance
· Radio remote control (can also be combined with ***feedstar*** Edition mixer)
· Basic: constant belt speed
· Vario: stepless belt speed
· Recommendation Vario for heavy load (more than 5 tonnes or frequent start / stop)
· Soft start only possible with Vario

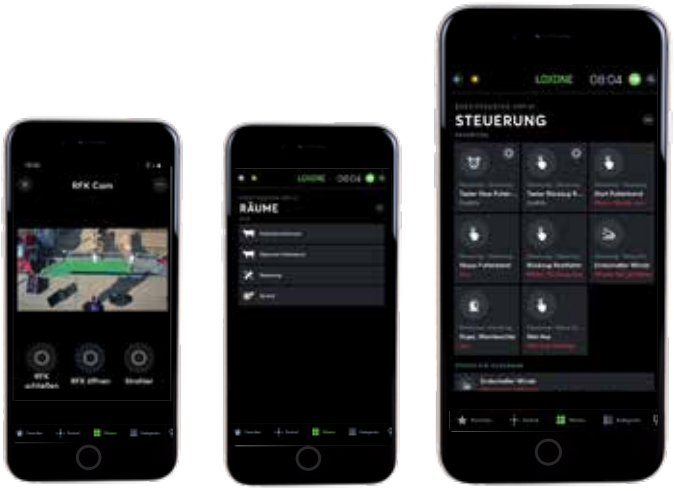
Pro control



Short & sweet

· Automatic feed delivery several times a day
· Feed composition of the various components possible with display via screen and app
· Overview of the current feed quantity in the mixer
· Display of the position of the belt
· Distance measurement
· Statistics also on PC
· Remote maintenance

App control



Short & sweet

· Control via mobile phone and/or tablet
· For Android and iOS (lifetime update guarantee)
· Access to camera possible at any time
· Number of users unlimited

Components – **Lite winches**

Product line "Lite"

Next to our premium models, we also offer affordable Lite models for simple use.
The main difference here lies in the simpler design of the winch and control.





Lite11

The smallest and most affordable Lite version of *feed*star.

Short & sweet

· Available in right-hand and left-hand versions
· Up to approx. 20 m length and 1.4 tonnes of feed quantity
· No mechanical clutch & brake
· Limit switch directly on the winch
· Available as Basic or with frequency inverter
· Simple frequency inverter on the control cabinet
· Pull-in at 7 m/min (reducible with FI)





Lite33

Our alternative to the premium models SF22 and SF33.

Short & sweet

· Very slim design
· Up to approx. 30 m length and 3.0 tonnes of feed quantity
· No mechanical clutch & brake
· Limit switch on the rollback device
· Available as Basic or with frequency inverter
· Simple frequency inverter on the control cabinet
· Pull-in at 6 m/min (reducible with FI)



Components – **Precast concrete parts**



Short & sweet
· U-trough and I-parts, filling funnel
· Shaft and cover for rollback device
· Leftover feed deflector and collection for leftover feed
· Wall thickness concrete cover: 120 mm
· Wall thickness shaft wall: 100 mm
· Wall thickness shaft floor: 150 mm
· Wall thickness U-trough wall: 100 mm, U-trough floor: 200 mm
· Very simple and fast assembly

Components – **modular wall system**



Modular wall
199 x 75 cm



Multimonti



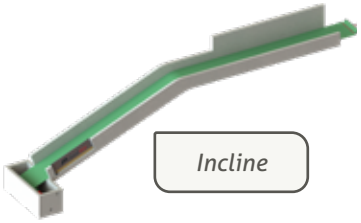
U-rail
200 cm long



H stainless steel support

Short & sweet
· Length per element: 199 cm
· Height: 75 cm
· Weight per element: 18 kg
· Robust stainless steel supports
· Very fast assembly
· Shortening and wall mounting possible

Components – **special solutions**



Incline



slim design



Cable deflection in all directions





Deflection rollers

Short & sweet
· Individual special solutions possible
· Inclines up to 30 degrees
· Belt deflection rollers
· Cable deflections upwards or sideways
· Automatic limit switch

Can be combined with: **Feed mixer**

Stationary vertical feed mixer

Short & sweet
· Powerful mixer "Made in Germany"
· Sizes: 8 m³ to 46 m³
· Precise dosing and mixing of the feed
· Weighing device and EDS discharge
· Hydraulic unit
· High-quality electric motor
· Drive motor and counter-knife

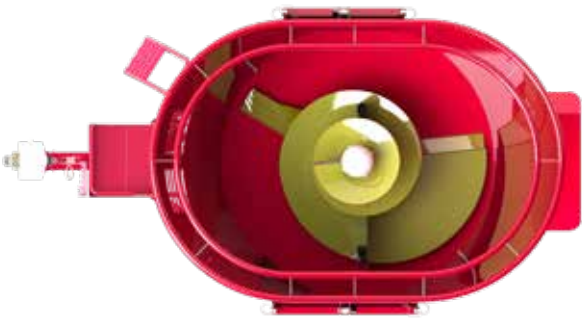




Hybrid vertical feed mixer

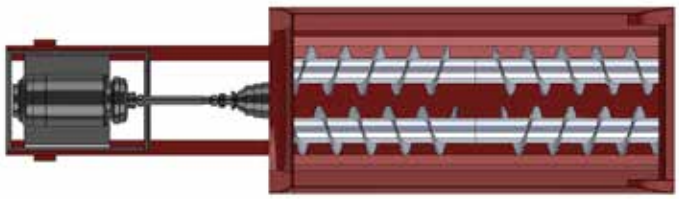
Short & sweet
· Can be used as trailed and stationary mixer
· Powerful mixer "Made in Germany"
· Sizes: 8 m³ to 12 m³
· Weighing device and EDS discharge
· High-quality electric motor
· Drive motor and counter-knife





Stationary horizontal feed mixer



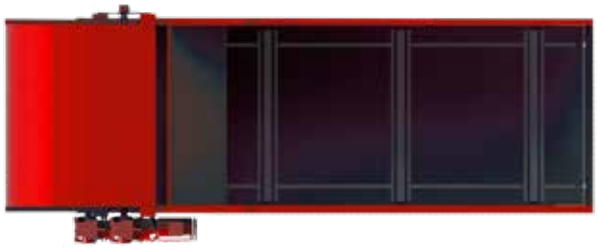


Short & sweet

· Powerful mixer "Made in Germany"
· Sizes: 8 m³ to 24 m³
· Precise dosing thanks to horizontal mixing auger
· Very good mixing quality (therefore less sorting by the animals)
· Programmable weighing device
· 2 discharges
· Discharges and conveyor belts electrically driven

Stationary feed dispenser





Short & sweet

· Suitable for loose hay, fresh grass, whole bales etc.
· Steel combs loosen e.g. loose hay
· Various sizes possible (10 m³, 18 m³, 30 m³) (larger on request)
· Standard width: 130 cm