



60
Years
 feedstar

The original feeding belt
60 years of experience.



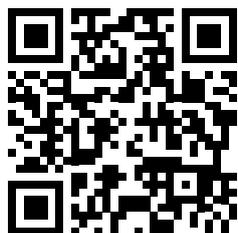
Beratung und Vertrieb durch:

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 See Feedstar in
action on YouTube!



 Configure your barn
with a Feedstar

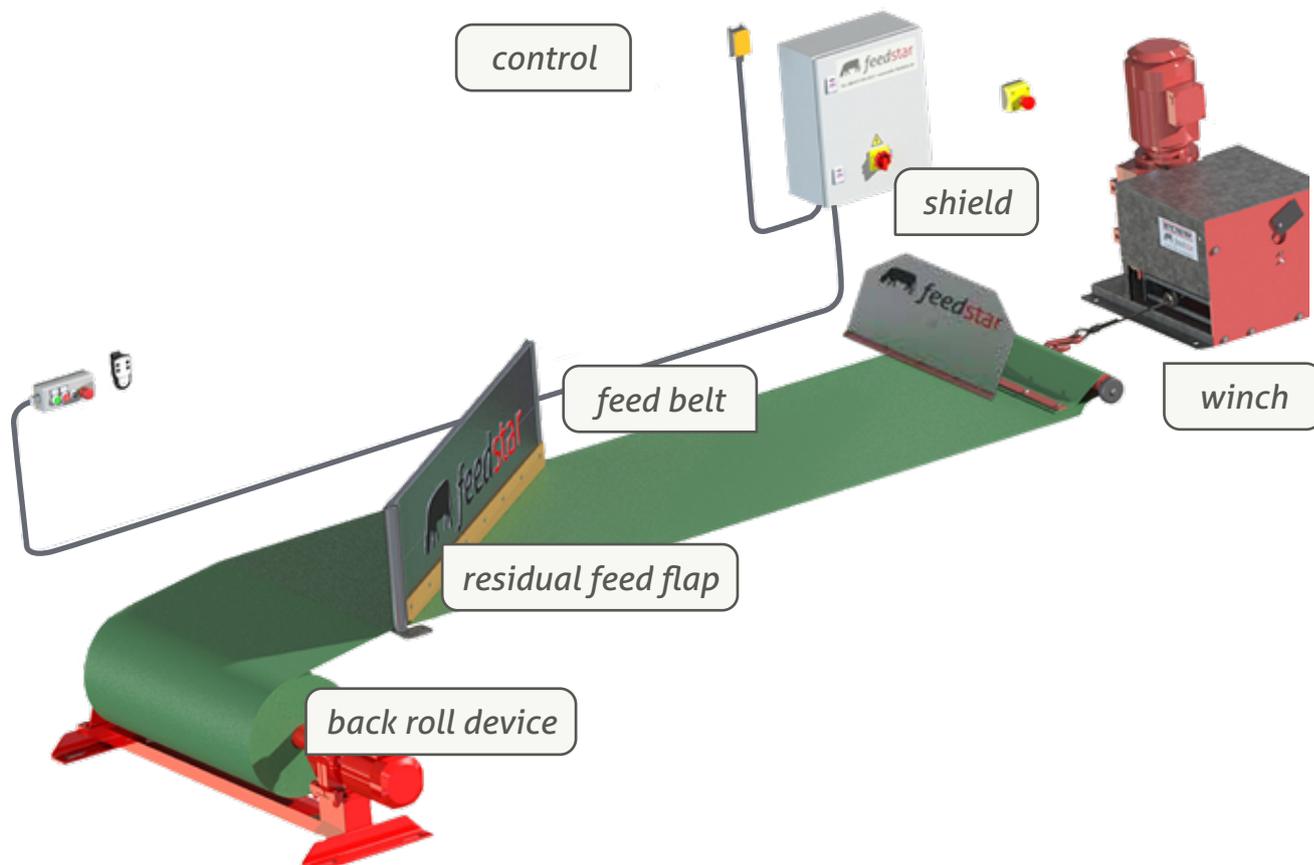


Feedstar from EDER

Welcome to the world of *feedstar* – a brand owned by EDER. For more than 530 years, our family has stood for mobility and innovative tradition. Our own *feedstar* brand has established itself as a leading brand in the field of belt feeding over the last 60 years. The continuous development and adaptation of our system to the current challenges of the market are a sign of our great power of innovation. Our modern *feedstar* system offers a highly space saving, animal friendly and economical option for daily feeding.

The system is manufactured in our workshops in Tuntenhausen in Upper Bavaria with the utmost precision and a wealth of expertise. We attach great importance to the quality and origin of the raw materials and use eco friendly production processes to offer a sustainable feeding system with the quality seal "Made in Tuntenhausen". As a market leader with more than 4.500 installed feeding systems, we are continuously enhancing our products and are always open to tackling innovative and difficult construction projects with our customers.

Operating principle



12 things that matter to our customers

Less work

feedstar eliminates the daily manual filling and sweeping of the trough.

Space saving

feedstar saves interior space by replacing a wide feeding table with our space saving feeding belt.

60 years of experience

We have been manufacturing the *feedstar* feeding belt for over 60 years and it is now in use at more than 4.500 sites.

More space for animals

A cost-efficient conversion from a stall barn to a loose housing barn with a *feedstar* provides additional space for your animals.

For new buildings and conversions

Our *feedstar* system is flexible and customisable and therefore suitable for new buildings and conversions of all sizes.

Feeding on one or both sides

Our feeding system is suitable for setting up a central feeding table as well as for a wall-adjacent or external feeding table.

Durability

The *feedstar* feeding belt has a highly durable design and has proven to be durable and low-maintenance.

Time savings

In addition to the time saved for manually moving the feed, our Pro version can fully automate the feeding process several times a day.

Flexible loading

Our *feedstar* feeding belt can be loaded with any feed mixer, loading vehicle, dosing unit, hay crane or similar equipment.

Better animal welfare

With no tractor needed inside the barn, there are neither noise nor dirt or exhaust fumes near the animals, ensuring a calm and clean atmosphere.

Customisable

Each *feedstar* feeding system is planned and manufactured individually and can therefore be adapted to any situation.

Modular design

feedstar is available in the Basic, Vario and Pro versions, which have a modular design and can subsequently be expanded at any time.

For different types of animals



Our feed system is perfect not only for barns for dairy cows, but also for bulls, young stock, sheep and goats.





The power and dimension of the feed winch is adapted to your requirements and needs. A modern bevel gear – the heart of the winch – provides the required sturdiness.

Owners rate our winches among their most reliable machines.

At a glance

- from 1 kW to 15 kW
- up to 12 t of feed
- with mechanical coupling & mechanical brake
- constant & continuously variable 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
FEED VOLUME PER FEED (EXAMPLE)	2 000 kg	3 000 kg	4 000 kg	5 500 kg	7 000 kg	12 000 kg*

* larger volumes possible on request





The back roll device pulls the feeding belt with the remaining feed out of the barn after feeding by winding it. The remaining feed can be pushed off the belt in various ways.

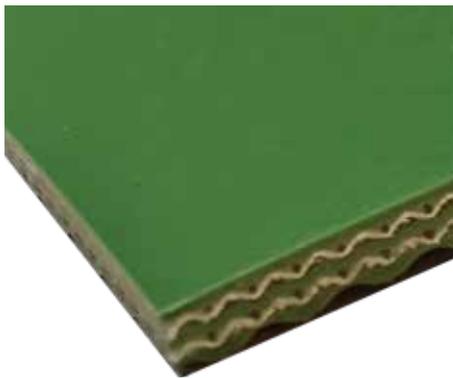
At a glance

- no daily sweeping of the feeding table required
- perfectly adapted to the winch and feeding belt
- optionally available with different redirection rollers
- extremely sturdy, durable and low maintenance
- optionally available as a narrow and/or low version

WINCH	BACK ROLL DEVICE	FEED VOLUME (EXAMPLE)	FEEDSTAR BASIC SPEED	FEEDSTAR VARIO SPEED	BELT LENGTH (EXAMPLE)
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 – feed belt



The length and width of the feed belt is adapted to the situation in the barn and manufactured specifically to your requirements.

At a glance

- fabric reinforced & tear resistant up to 20 t
- length: up to 100 m (over 100 m on request)
- width: 0.4 m to 3 m
- individually recommended width based on the animal type and one-sided / two-sided feeding
- belt thickness: 3.2 mm
- individual width of the feeding belt ensures that the animals can fully reach the feed



Components – residual feed flap



feedstar is the world's only feeding system that can be equipped with a manual or patented automatic remaining feed diverter. This automatically removes the remaining feed from the retracting belt.

At a glance

- aluminium diverter
- automatic or manual option
- individual length up to 3 m
- height: 0.4 m
- clean & hygienic
- belt retracts to transport the remaining feed out of the barn



Components – winch–belt connection

Special cable



We work with different cable types, depending on feed volume, winch size and cable length. We choose the perfect cable for each system based on the requirements at hand.

At a glance

- 8 mm, 10 mm or 12 mm, depending on requirements
- stainless steel, galvanised steel or plastic, depending on requirements
- high tensile strength
- connected to the pulling bar with a sturdy hook
- the hook is replaced with a shackle for plastic cables and from SF88



Pulling bar



With its highly robust design, our pulling bar easily withstands the high strains of daily use.

At a glance

- link between feeding belt and cable
- extra strong and sturdy design
- adapted to the belt width
- optionally with lateral guide rollers



Shield



Our special shield attached to the pulling bar on the front end of the belt keeps all the feed on the belt.

At a glance

- prevents feed from being pushed over the pulling bar
- made of high quality aluminium
- individually adapted to the belt width
- joined to the pulling bar
- feeding stations can be used up to the pulling bar



Basic + Vario control

With our control, you can easily operate your entire *feedstar* system by hand.

At a glance

- easy operation & low maintenance
- radio remote control (can also be combined with the *feedstar* Edition mixer)
- Basic: constant belt speed
- Vario: continuously various belt speed
- Vario recommended for large loads (more than 5 t or frequent start/stop)
- soft start possible only with Vario



Pro control

Our *feedstar* Pro control enables you to flexibly adapt multiple feedings to the rhythm of the animals.

At a glance

- automatic feeding and removal of the remaining feed
- precise setting of feed volume and feeding time
- in combination with *feedstar* Edition hybrid mixer, stationary mixer or feed dosing units
- manual operation possible at any time

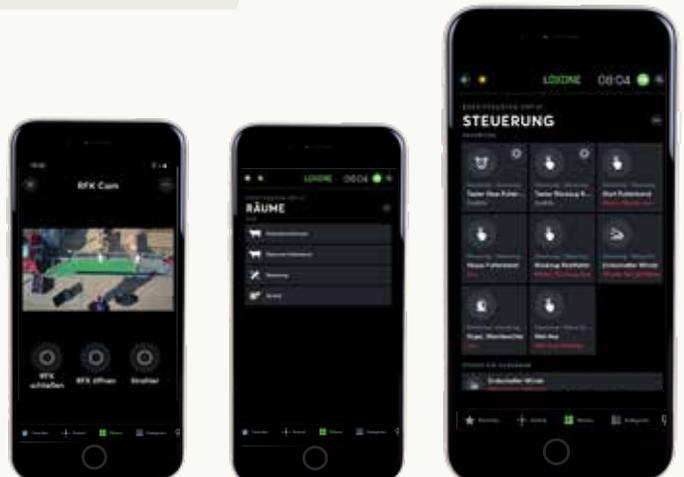


App control

In keeping with the times, our *feedstar* feeding belt can also be controlled with an app.

At a glance

- control from a mobile phone and/or tablet
- for Android and iOS (lifetime update guarantee)
- can be controlled via WLAN and mobile data
- camera access at any time
- any number of users



Components – precast concrete elements



As an alternative to traditional concrete pouring based on a diagram provided to us, we also offer precast elements. These precast concrete elements are precisely adapted to the requirements and enable fast and accurate installation.

At a glance

- U element and I elements, fill hopper
- pit and cover for back roll device
- remaining feed diverter and remaining feed container
- wall thickness, concrete cover: 120 mm
- wall thickness, pit wall: 100 mm
- wall thickness, pit floor: 150 mm
- wall thickness, U element, wall: 100 mm; U element, base: 200 mm
- very easy and fast installation



Components – modular wall system



modular wall
199 x 75 cm



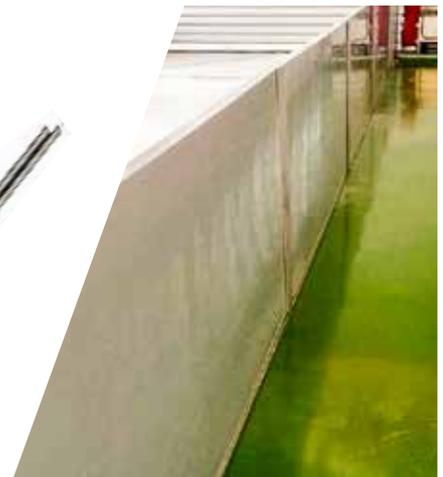
H-type stainless
steel support



Multi Monti
fastener



U rail
200 cm long



At a glance

- length per element: 199 cm
- height: 75 cm
- weight per element: 18 kg
- sturdy stainless steel supports
- very fast installation
- shortening and wall mounting possible



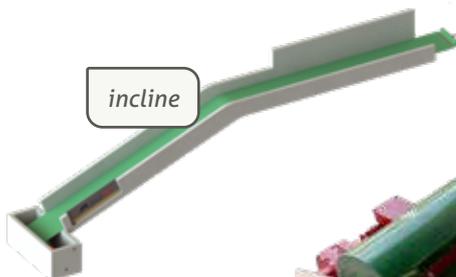
We offer customised solutions for building your *feedstar* in order to meet your specific requirements. Difficult buildings situations are our strength.

At a glance

- individual custom solutions possible
- inclines up to 30°
- belt redirection rollers
- cable redirection to the top or side
- automatic limit switch
- innovative technology ensures reliable and efficient performance



redirection rollers

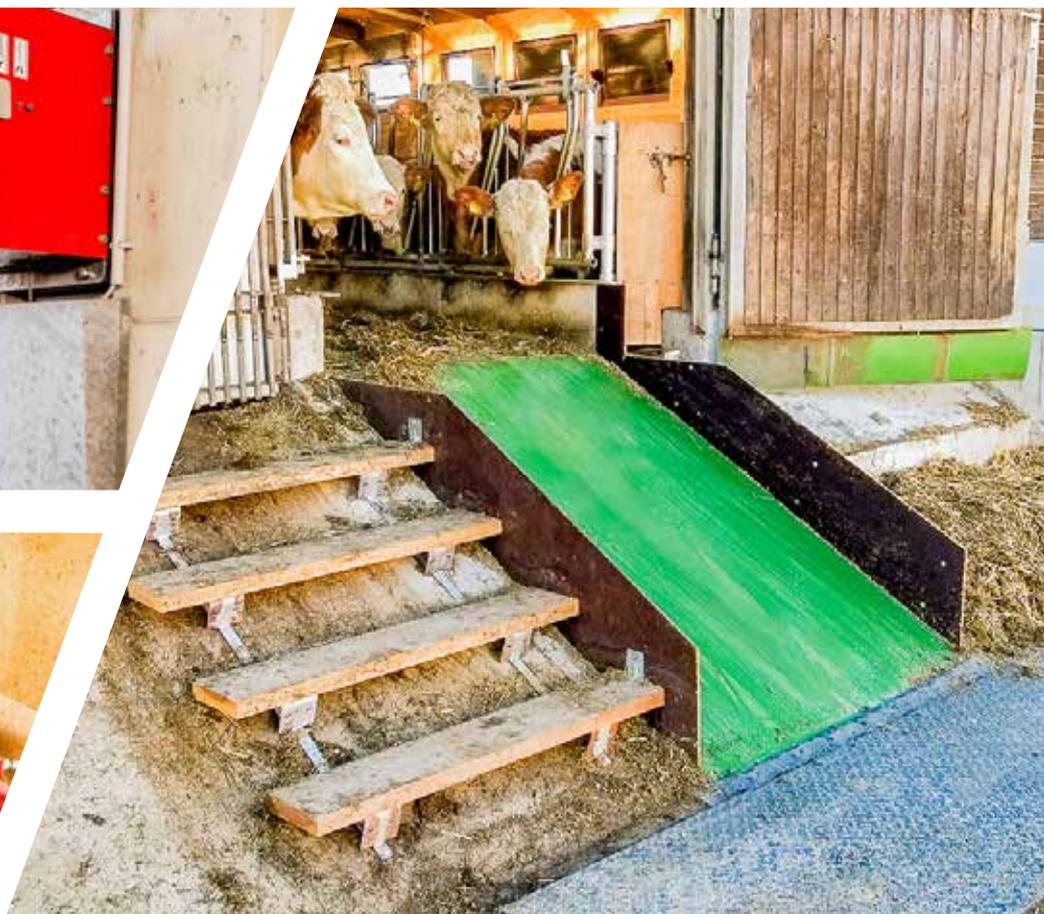


incline



narrow design

cable redirection
in all directions



Combine with – feed mixer

Stationary feed mixer

Discover the precision and reliability of our stationary feed mixers from *feedstar*.

At a glance

- powerful mixer "Made in Germany"
- sizes: 8 m³ to 30 m³
- precision dosing and mixing of feed
- weighing unit and EDS discharge
- hydraulic power unit
- high-quality electric motor
- drive motor and counter blade

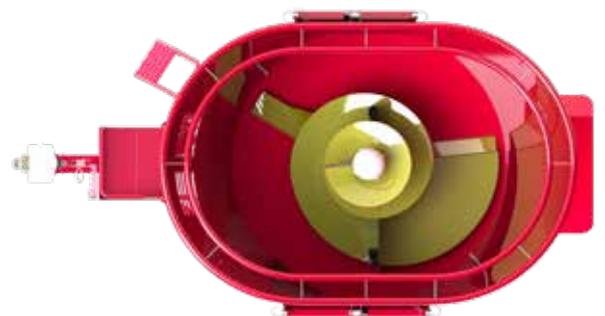


Hybrid feed mixer

Discover the flexibility and efficiency of our Hybrid feed mixers from *feedstar*.

At a glance

- can be used as a towed or stationary mixer
- powerful mixer "Made in Germany"
- sizes: 8 m³ to 30 m³
- weighing unit and EDS discharge
- hydraulic power unit
- high-quality electric motor
- drive motor and counter blade



Stationary feed dispenser

Discover the precision and efficiency of our *feedstar* Stationary feed dispenser.

At a glance

- suitable for loose hay, fresh grass, whole bales, etc.
- steel combs detangle e.g. loose hay
- different sizes possible (10 m³, 18 m³, 30 m³) (larger on request)
- standard width: 130 cm
- full automation possible with the PRO stationary feed dispenser



Save construction costs

feedstar is the intelligent solution for building your barn. Omitting the feeding table saves a great deal of floorspace during construction or conversions. Construction costs are also saved in terms of the building height, roof surface area and requirements for structural design and fire protection.

This effect can add up to several 10 000 euros for a 50 m long dairy barn.

Example calculation: 50 m long barn with a 5 m wide, single-side feeding table for 65 cows compared with a 90 cm wide *feedstar* with a 90 cm wide service aisle

	Conventional*	With <i>feedstar</i> *
Indoor space, feeding area (700.00 €/m ²)	€175 000	€63 000
150 cm feeding table coating (50.00 €/m ²)	€3 750	€0
Feed loading systems	€18 000	€0
Feeding belt	€0	€20 000
Electrical work	€0	€3 000
Additional concreting work	€0	€8 000
Total	€196 750	€94 000

➔ Savings: €102 750

* errors and omissions excepted

“Lite” product line

In addition to our Premium models, we also offer cost-effective Lite models for easy use. The main differences are in the simpler design of the winch and control unit.



Lite11

The smallest and most cost-effective Lite version from *feedstar*.

At a glance

- available as left-hand and right-hand versions
- up to approx. 20 m length and 1.4 t feed volume
- no mechanical coupling & brake
- limit switch directly on the winch
- available as Basic version or with frequency converter
- simple frequency converter on the control cabinet
- winding at 7 m/min (reduced with FC)

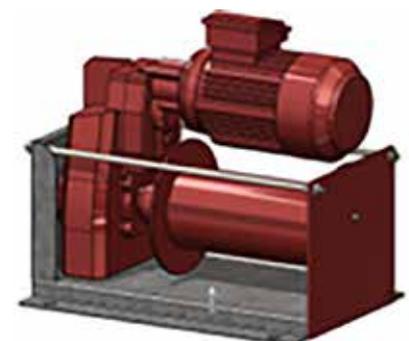


Lite33

Our alternative to the premium models SF22 and SF33

At a glance

- very narrow design
- up to approx. 30 m length and 3.0 t feed volume
- no mechanical coupling & brake
- limit switch on the back roll device
- available as Basic version or with frequency converter
- simple frequency converter on the control cabinet
- winding at 6 m/min (reduced with FC)



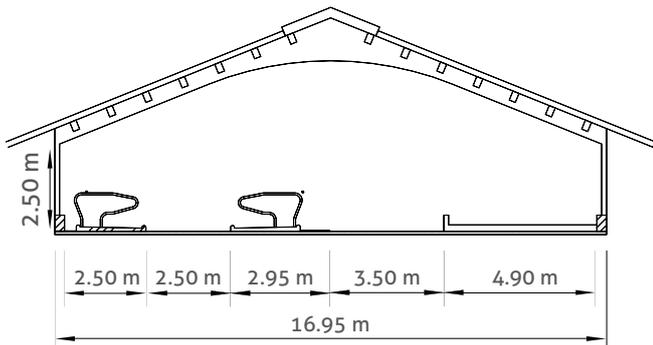


Efficient solution for space saving feeding

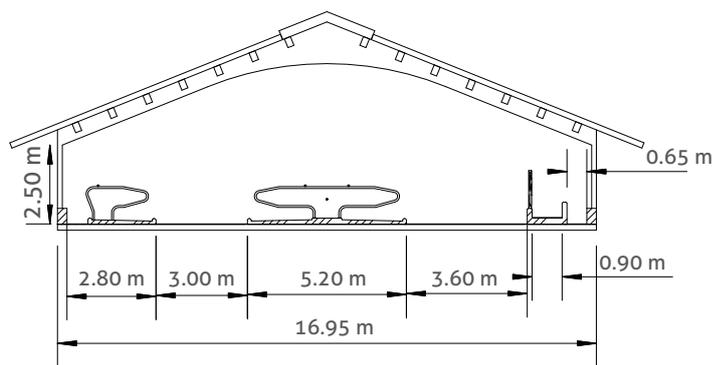
In our striving for efficient conversions with the objective of saving space, our *feedstar* is the ideal solution. By installing space saving *feedstar* feeding belts, you gain more space for movement in the barn while optimising the entire feeding process. The feeding belts are a clever and flexible solution for ensuring that the animals are provided with feed – without losing precious space.

Cross section comparison of feeding table vs feeding belt

Loose housing barn with feeding table at the side

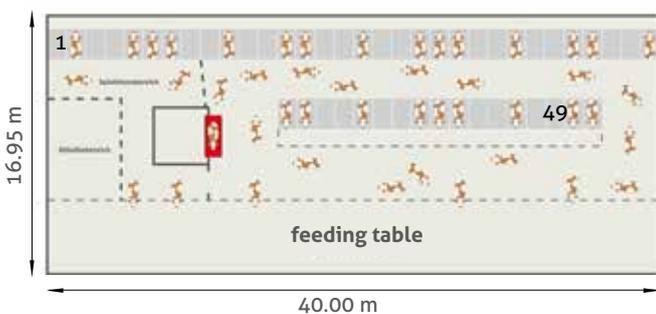


Loose housing barn with feeding belt

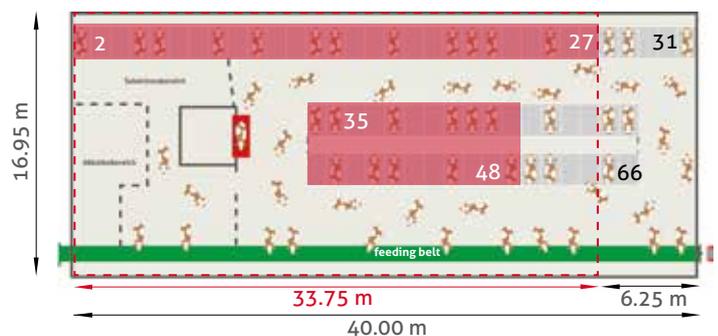


Comparison of feeding table vs feeding belt

Loose housing barn with feeding table:
49 freestalls



Loose housing barn with feeding belt:
66 freestalls



Space for 17 more animals on the same footprint

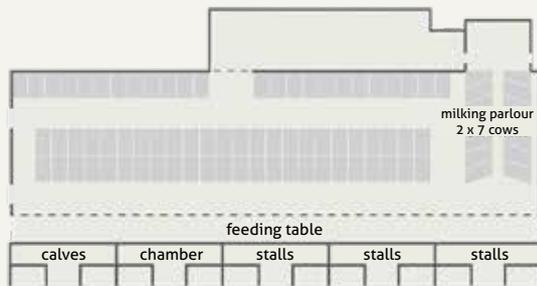
Alternative: saves 90 m² of indoor space with the same number of animals (17 freestalls)
» Corresponds to savings of €63 000 (700 €/m² indoor space)



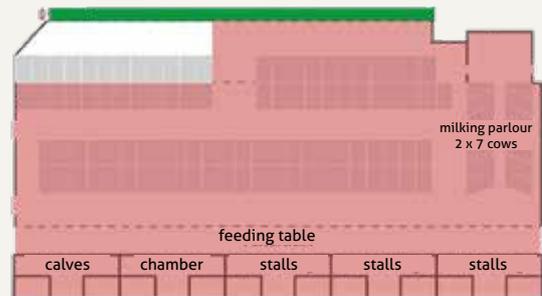
An efficient solution for additional feeding and resting stations

The *feedstar* feeding belt from EDER is an innovative and cost-effective solution for farmers who want to expand their barns without building complex extensions. By installing our feeding belt in the outdoor area, we create additional feeding stations across the entire length of the barn, allowing us to save space and, for example, turn a 3-row barn into a 4-row barn.

BEFORE



AFTER



Efficiency in barn width

An expensive project for building a new barn or converting an existing one is often not profitable. When an expansion is required to increase the number of animals, farmers are often faced with a problem.

With a cost-efficient expansion to add *feedstar* to the outside, our customers gain a lot of space for their animals while saving a significant sum in construction costs.



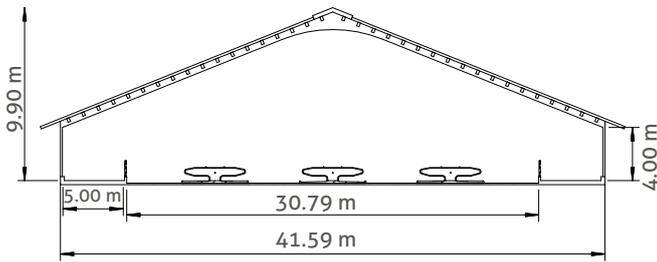


Efficient solution for cost-effective new builds

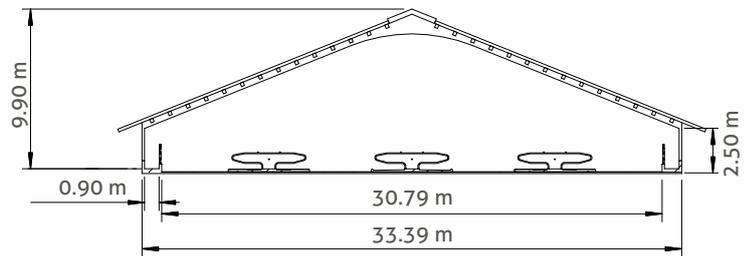
Cost optimisation is often a top priority for new building projects. With *feedstar* feeding belts, we offer you an efficient solution for saving costs. Instead of wide feeding tables, you can use our space saving feeding belts that reduce the required indoor space, therefore further lowering the overall costs of the project. The optimised use of space also creates an efficient division of space in the barn that meets the requirements of your animals.

Cross section comparison of feeding table vs feeding belt

Loose housing barn with 2 feeding tables

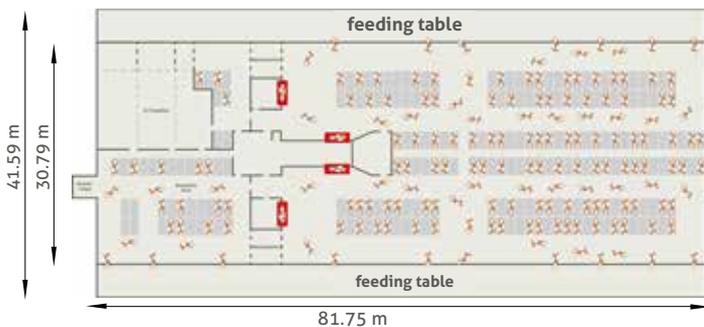


Loose housing barn with 2 feeding belts

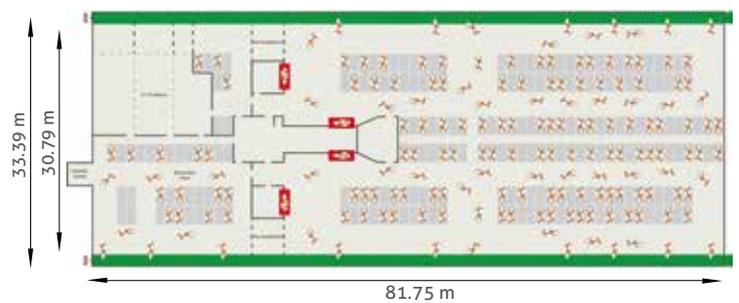


New build – feeding table vs feeding belt

Floor area with feeding table:: 3 400 m²



Floor area with feeding belt: 2 730 m²



Saves 670 m² of indoor space

» Corresponds to savings of €469 245 (700 €/m² indoor space)

Save €5 000 a year on diesel

Diesel and CO₂ savings with *feedstar*



with 80 cows

Sustainability is an important topic for the present and the future and the *feedstar* feeding belt saves a substantial amount of CO₂ and diesel. For a farm with 80 animals and 4 000 kg of feed per day, the conversion to *feedstar* in combination with a stationary electric mixer can save approximately 4 000 litres of diesel per year.

This corresponds to up to 10.5 tons of CO₂. In addition to the up to 10.5 tons of CO₂, the farm would save almost €5 000 in energy costs per year. If solar energy is produced on site, this could increase to €6 100 per year.

Example of a calculation of the CO₂ and energy consumption savings, based on the average values of 80 cows, a 50 m double-sided feeding table and approx. 4 000 kg of feed

Twice daily feeding with loader and tractor (diesel engine)

CO₂ consumption as per table 1.0 l diesel = 2.60 kg CO₂

		Consumption: l/t	Wheel loader	Tractor	Total
Consumption/h		2.1 l/t	6 l/h	9 l/h	
Filling					
Post-mixing					
Feed loading					
Feeding compl./t	4.0 t	8.40 l			8.40 l
Pushing 1	5.0 min			0.75 l	0.75 l
Pushing 2	5.0 min			0.75 l	0.75 l
Clearing	8.0 min			1.20 l	1.20 l
Consumption per day					11.10 l
Consumption per year					4 051.50 l
Conversion to CO ₂					10 534 kg CO ₂
Costs per year	Diesel: 4 052 l		1.60 €/l		€6 482.40

Feed loading with electric loader, electric mixer and Feedstar (electric drive)

1.00 kWh current = 0.401 kg CO₂ (with conventional power)

(with conventional power) 1.00 kWh conventional electricity = 0.401 kg CO₂

(with solar power) 1.00 kWh conventional electricity = 0.050 kg CO₂

		Ø el. wheel loader	Ø stationary mixer	Belt extension	Belt retraction	Total	Savings with Feedstar
Consumption/h		10.00 kWh	22.00 kWh	4.40 kWh	3.30 kWh		
Filling	15.0 min	2.50 kWh	5.50 kWh			8.00 kWh	
Post-mixing	5.0 min		1.83 kWh			1.83 kWh	
Feed loading	5.5 min		2.02 kWh	0.40 kWh		2.42 kWh	
Feeding complete/t							
Pushing 1							
Pushing 2							
Clearing	1.8 min				0.10 kWh	0.10 kWh	
Consumption per day						12.35 kWh	
Consumption per year						4 508.60 kWh	
Conversion to CO ₂ , conventional power						1 808 kg CO ₂	
Conversion to CO ₂ solar power						225 kg CO ₂	
Conventional power				4 509 kWh	0.320 €/kWh	€1 442.75	€5 039.65
							8 726 kg CO ₂
Solar power				4 509 kWh	€0.080/kWh	€360.69	€6 121.71
							10 534 kg CO ₂

With our *feedstar* Pro, the feed is provided to your animals automatically.

You can set the feeding times and volumes as required.

01 Connect the feed mixing trolley to the controller.

02 Feed drops onto the *feedstar* feeding belt.

discharging feed

collecting remaining feed

06 The remaining feed drops into the remaining feed area.

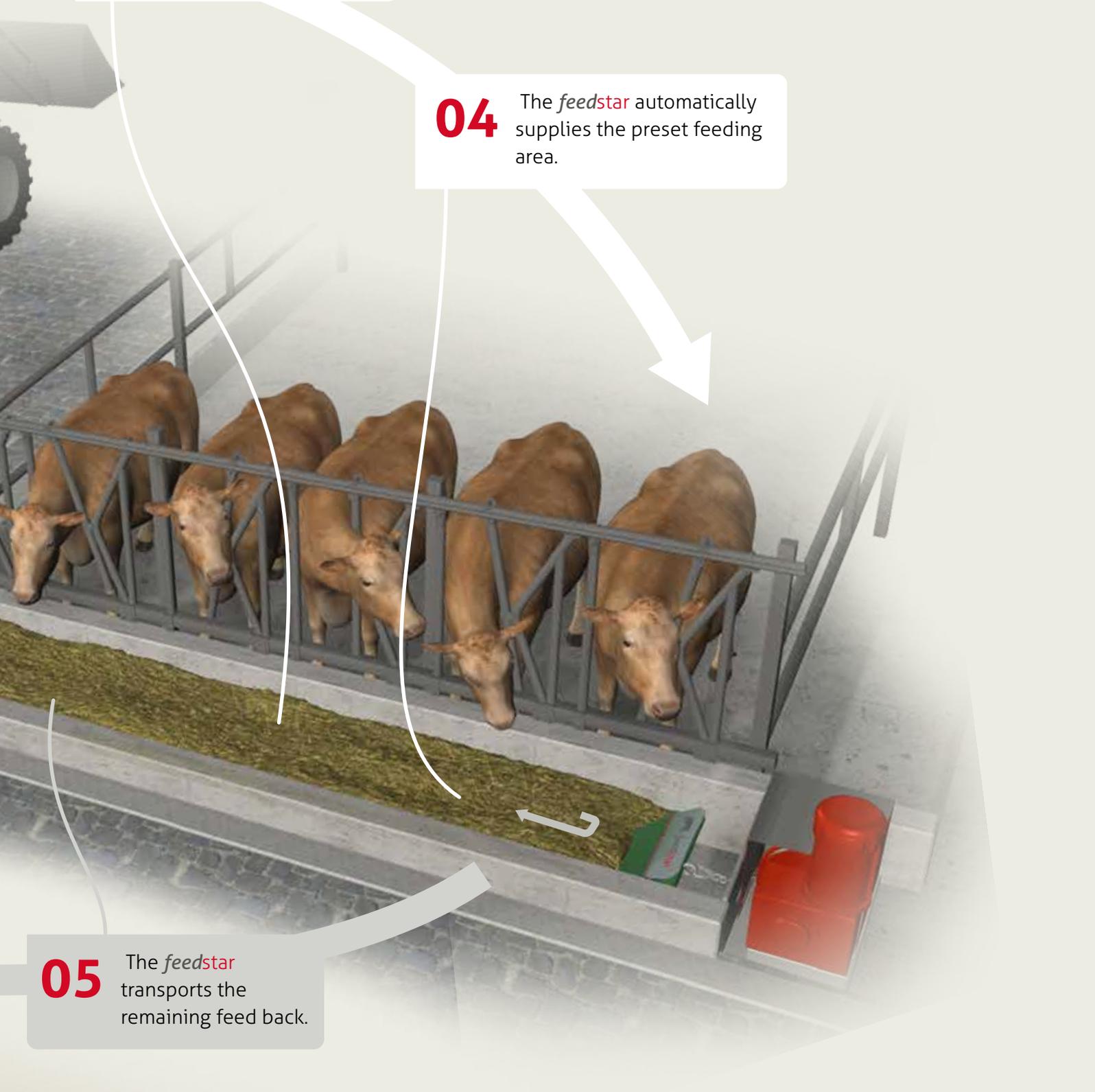


The feeding cycle repeats as often as required – depending on the feeding times.

03 The *feedstar* transports the feed ration to the animals.

04 The *feedstar* automatically supplies the preset feeding area.

05 The *feedstar* transports the remaining feed back.



We provide free support for planning the construction of your barn.
We are looking forward to your phone call, WhatsApp message or email.

Beratung und Vertrieb durch:

DAMEY

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