

# Transfeed DEC

TMR Cattle-Feeding Robot

Energy Saver Pro!



More Convenience in Life and  
More Economy in Dairy Farming



# More Quality of Life



with a reduced workload, greater flexibility and less time spent working

## SCHAUER Cattle-Feeding Robot saves time and money!

The Transfeed DEC TMR Feed Robot with Silmatic Pre-Storage Silo is an especially economical investment for automated cattle feeding in expanding operations. According to a recent study by Guy Beauregard, agricultural economist, repeated feeding with roughage improves feed intake and increases milk production by approximately 10%.

The working time saved in a 100-cow farm is approximately 2 hours per day. Even with larger stocks, using the Transfeed DEC results in more quality of life.

### Dairy cattle feeding:

For feeding specific dairy cow groups, including young cattle, dry animals and calves.

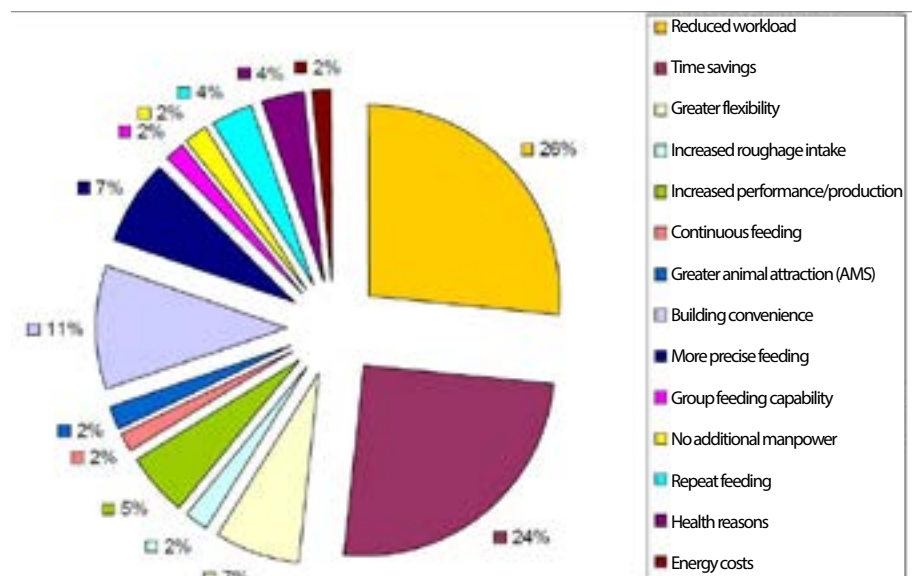
### Cattle fattening:

For group-specific, automated feeding.

## The Transfeed DEC with Silmatic Pre-Storage System is the Energy Saving Pro!

"The power draw for the entire automated feeding system is only 8 kWh per day; That means € 1.40 per day!" A figure that no other equipment can reach, Johann Ott from Altschwendt proudly reports.

- Working time saved (1–2 hrs/day) – greater flexibility
- Lower building costs and easier use of old buildings
- Energy savings
- Cost savings with feed mixer wagons



Automated Cattle Feeding | Information Session Farm Technology, 13–14/10/2009  
 Anne Grothmann, Franz Nydegger © Research Institute Agroscope Reckenholz-Tänikon ART

# More Efficient Feeding



with the Transfeed DEC TMR Feeding Robot

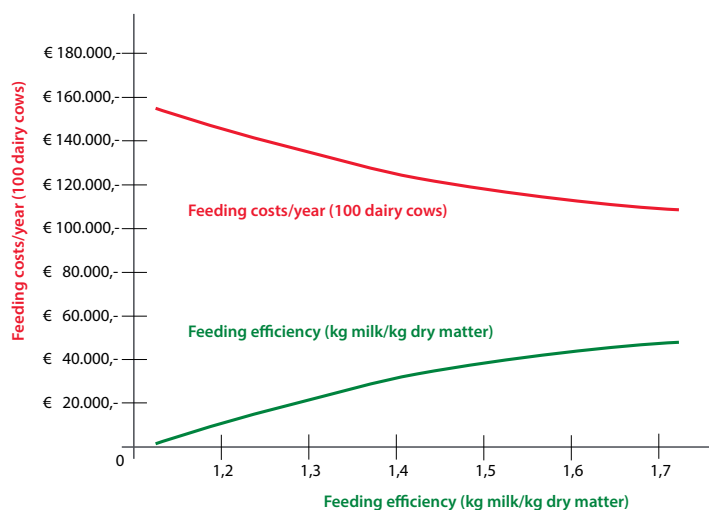
## High-efficiency feeding saves feed costs, increases milk yield and growth, and even spares the environment!

### Increase feeding efficiency and thus reduce feeding costs

Following the cow's biological rhythms, providing a constant source of feed is ideal for the cattle's health. Many studies have confirmed it is possible to achieve a so-called ration efficiency between 1.2 and as much as 1.7 fat and protein-corrected milk quantity per kilogram of dry matter feed (kg milk / kg dry matter).

### Increase roughage intake by more frequent feeding

- In practice, a significant increase in roughage and feed intake can be achieved by up to 16-times daily feeding (dosing and distributing).
- A feed trial performed by LFZ Raumberg/Gumpenstein, under Dr Guggenberger, showed an increase in milk yield of almost 5 kg / cow and day upon 12-times versus 4-times feed dosing.



Source: author's calculations

- Increases milk yield
- Increases roughage intake and improves feeding efficiency
- Group-specific, automated feed dosing improves animal health
- Reduces stress for subordinate animals, thereby improving social harmony
- Spares the environment by reducing methane emissions

### Narrow feed alley saves building costs

When planning a new cowshed, there is no need to include a wide feed alley for driving the tractor through. Transfeed DEC reduces the feed alley width down to a size of 1.60 m. This allows up to five-figure savings on building costs.

- Comprehensive accessories with rail guiding and power supply (see p. 11)
- Our individual planning guarantees your tailored formula for success

# Transfeed DEC DP with Paddle Mixer



The energy-saving mixing robot for automated roughage feeding for cattle

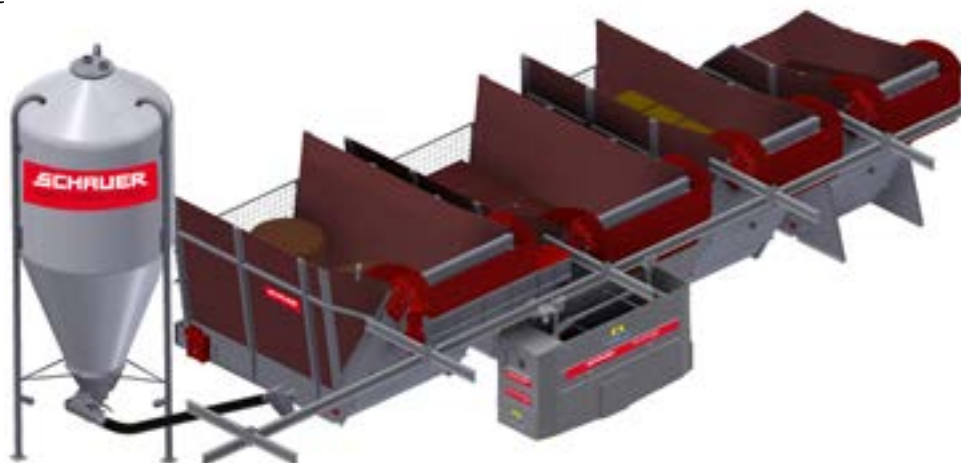
## Transfeed DEC- The energy-saving pro among feeding robots!

The smallest mixed ration is 5 kg, depending on the formula.

All aggregates for driving, mixing and distributing are driven by a single electric motor rated at only 2.2 kW.

Rations for different groups are mixed in fully automatically several times a day during filling. The various components are weighed in through a load cell.

The slow-running and therefore low-wear paddle mixing system ensures very high mixing precision (no mashing of silages). Because mixing takes place during filling and because no corners or edges are present, no feed residues remain in the robot and the feed is fully evacuated without waste.



Type	Transfeed DEC DP1	Transfeed DEC DP2	Transfeed DEC DP3	Transfeed DEC DP45
Robot size m <sup>3</sup>	1,75	2,11	2,45	3,54
Length cm	300	300	300	300
Width cm	97	106	121	160
Height cm	150	150	150	150
Required feeding alley width cm	187	196	211	250
Required aisle width for passage cm	127	136	151	190
Suitable for max. XX cows	approx. 85 + rearing	approx. 100 + rearing	approx. 115 + rearing	approx. 160 + rearing



# Transfeed DEC SR Feed Distributer



The energy-saving dosing robot for automated roughage feeding for cattle

## Transfeed DEC SR- is the low-cost alternative for automated feed distribution

The Transfeed DEC SR can be used with all types of stationary mixers or feed mixer wagons.

The distributing robot weighs the ready mixture of feed and distributes it over various groups.

All Transfeed DEC robots support both group and individual animal feeding



Type	Transfeed DEC SR2	Transfeed DEC SR3	Transfeed DEC SR4
Robot size m <sup>3</sup>	2,4	2,7	3,4
Length cm	290	290	290
Width cm	101	116	131
Height cm	184	184	184
Required feeding alley width cm	191	206	221
Required aisle width for passage cm	131	146	161
Suitable for max. XX cows	approx. 150 + rearing	approx. 165 + rearing	approx. 200 + rearing



# Flexible Solutions for Automated Cattle Feeding



Custom installation into old and new buildings

The flexible feeding solutions from Schauer allow space-saving solutions for new buildings as well as integration into old existing buildings. Transfeed DEC opens up new possibilities you would never have dared to imagine. All components are perfectly tuned to one another. Each solution is configured for the specific business, thus ensuring greatest functional reliability.

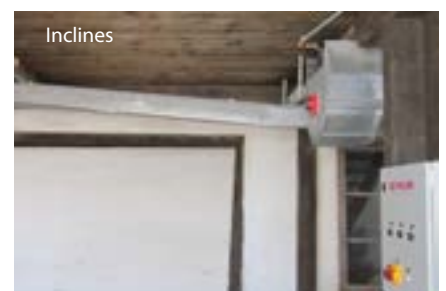
One highlight of the Transfeed DEC TMR feeding robot is that it can overcome height differences of up to 1.30 metres. The robot easily negotiates these height differences with its lifting equipment. Under certain conditions, the machine can also run up and down inclines of as much as 10%. Its steel construction allows the combination of up to 180° curves, S-curves and inclines. Controlled switch points allow the supply of multiple feeding groups.



Switch point



S-combination



Inclines

# User-Friendly **Feeding and Management Software**



Intuitively easy and functional that makes fun to use

**The new Transfeed Wi-Fi control allows direct access over the network, even from smartphones.**

**Programming by touchscreen directly on the robot or via Wifi on the office PC, laptop or smartphone. Touchscreen with very easy controls.**

The robust controller built into the robot collects, controls and outputs all necessary data. That way, the robot can be operated using the built-in touchscreen or via the Wi-Fi connection from a PC, laptop or phone as desired.

Large displays and easy menu guidance make the robot very easy to operate, and the simple design of the symbols make for self-explanatory functions.

The different feeding times and functions are initiated as needed or preferred. The Transfeed starts filling the various components and silos at the set time. If needed, it can perform an attracting feed run, empty run or pushing run. The silos and components can also be controlled outside the respective feeding times.

Should there be any problem with the Transfeed (e.g. empty pre-storage silo), the GSM dialler will inform you by calling or texting your phone.

The control feeds up to 999 areas or animal groups each with

- 16 different formulas with maximum
- 16 components, for
- 16 starting times per day.



# Silmatic Pre-Storage Bunker

Energy Saver Pro!



Silage pre-storage and dosing system

**The Silmatic system is the logical, energy-saving extension of the Transfeed DEC for automatic pre-storage and dosing of silages.**

**With its low power requirement of only 3.75 kW, it is the energy-saving pro among pre-storage systems!**

- Sensor-controlled conveyors are coordinated together to ensure continuous material flow. This allows precise and reliable dosing of silages, even in small quantities.
- Volumes from 6 to 30 m<sup>3</sup>.
- Closed and therefore very clean system. Walking floor sealed with special PVC sealing lips and level filling surface.
- Rear wall on scraper floor so no silage falls on the floor and is instead picked up again.
- Scraper floor with very sturdy, low-wear flat-link chain.
- Parts coming into contact with silage are stainless steel, powder coated or wood.
- Very low input power: Bunker 3.75 kW; Bunker with Silmatic Cut 7.75 kW
- Slow-running and therefore very gentle and quiet system.
- Silage can be pre-stored in blocks or bales. Feed is fist loosened during dosing in the robot, thereby greatly reducing the risk of feed heating.
- The pre-storage system is very low-maintenance and low-wearing.
- Pre-storage silo including Silmatic Cut can process silages of up to 30 cm fibre length with ease.
- Robot runs directly beneath the pre-storage silo, therefore requiring no additional conveyor.

- Only 3.75 kW electrical drive power
- Pre-storage volume in 4 different sizes from 6 to 30 m<sup>3</sup>
- Sturdy, long-life frame construction with power-saving, low-wear walking floor conveyor system
- Fully closed system for clean operation
- Practically residue-free emptying
- Sensor-controlled conveyor system



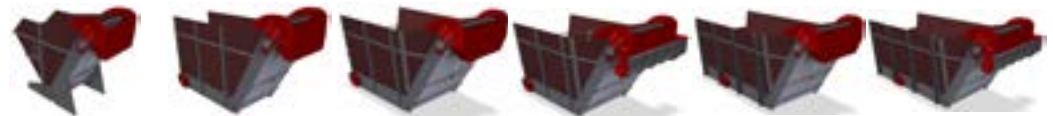
# Silmatic Pre-Storage Bunker



Walking floor

## The various models

### Technical Data:



Type	Silmatic 6	Silmatic 10	Silmatic 20	Silmatic 20 + Cut	Silmatic 30	Silmatic 30 + Cut
Rated volume	6 m <sup>3</sup>	10 m <sup>3</sup>	20 m <sup>3</sup>	20 m <sup>3</sup>	30 m <sup>3</sup>	30 m <sup>3</sup>
Length	388 cm	527 cm	527 cm	533 cm	660 cm	660 cm
Width	190 cm	190 cm	275 cm	315 cm	281 cm	315 cm
Height	325 cm	325 cm	325 cm	325 cm	325 cm	325 cm
Total weight	1350 kg	1950 kg	2450 kg	2850 kg	2950 kg	3300 kg
Length walking floor	-	330 cm	330 cm	330 cm	465 cm	465 cm
Filling width	143 cm	143cm	206cm	206cm	206 cm	206 cm
Sill height	206 cm	40 cm	40 cm	40 cm	40 cm	40 cm
Drive power walking floor	-	0,75 KW	0,75 KW	0,75 KW	0,75 KW	0,75 KW
Scraper floor length	370 cm	370 cm	370 cm	370 cm	370 cm	370 cm
Scraper floor width	143 cm	143 cm	206 cm	206 cm	206 cm	206 cm
Drive power scraper floor	3 KW	3 KW	3 KW	3 KW	3 KW	3 KW
Length of cutting system	-	-	-	310 cm	-	310 cm
Number of cutters	-	-	-	30 Stk.	-	30 Stk.
Drive power cutting system	-	-	-	4KW	-	4KW
Max. stem length	10 cm	10 cm	10 cm	30 cm	10 cm	30 cm

# Silmatic Cut & StrohCut

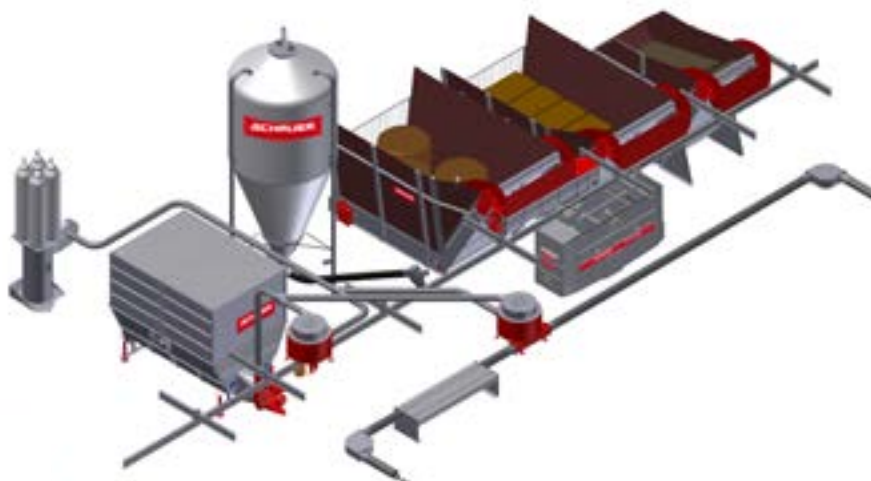


## The better option for preparing silage

The Silmatic Cut Paddle Cutting Drum is designed specifically for preparing long-fibred silages for feeding cattle with the lowest power requirements of all comparable systems. The cutter fits directly onto the Silmatic Pre-Storage Bunker. The Paddle Cutting Drum has 30 blades and runs on only 4 kW of power.

Long-fibred silages of up to 30 cm can be cut into the mixing/distributing robot. The heart of the system is the interplay of the vertical conveyor and the Silmatic Cut cutting unit. The silage is prepared gently with a drawn cut to protect its structure and to avoid mashing.

Unique, well-coordinated combination of **Strohmatic** (fully automatic strawcutting system), **Silmatic Cut** and **Transfeed DEC Cattle Feeding Robot**



## StrohCut –for gentle cutting of hay and straw for automated cattle feeding.

The StrohCut is a pre-storage silo with a slow-running, structure-protecting cutting unit for hay and straw. That means all important components for optimal and needs-oriented cattle feeding can be automatically pre-stored and dosed.



# Extensive Accessories



Transfeed with extended conveyor belt



Power supply over trailing cable

turn the Transfeed into a flexible multitalent: when dosing, mixing, distributing and pushing

The **extended conveyor belt** for feeding alley widths of up to 3.60 m is ideal for retrofitting old buildings featuring standard feeding alley widths.

**Mineral dosing:** Mineral and craft feed is directly dosed in using sliding contacts. This assures very high dosing precision.



Mineral dosing

**Water dosing** for dry silages or for formulas with high hay content.



Water dosing

**Pusher blade** with lifting gear for pushing feed between feedings. Continuously adjustable width. For use on one-sided or two-sided feeding alleys.



Pusher blade

**Reliable power supply** for ample "mixing and distributing power":

- Optional battery operation (for small systems)
- Trailing cable for 1 axis
- Power rail for all applications

Note:  
Only 60 V maximum voltage is permitted in the animal area!



Power rail + runner rail on ceiling

## Auger conveyors

To round off the cattle feeding product range, we also provide an extensive range of auger conveyors of 55 mm to 125 mm diameter.



The auger range can be used either as feeders or in combination with dosing systems. The high-quality conveying screws stand out for their high strength and extremely long service life.



Silo control

Concentrate auger control

# From Planning to Service & Support



... always in the best of hands and always near you!

## Individual planning for our customers

We offer computer-assisted stall equipment for sound, economical cattle and pig farming. Our specialists will gladly put together a plan specific to your operation. Consult our specialists and assure yourself of the best solution for your specific operation in a personal meeting.

## Everything for your stall

Only the best will do: Get our expert advisors to plan and set up your stall! Visit our 400 m<sup>2</sup> in-house exhibition and at the Upper Austrian Chamber of Agriculture in Ried im Innkreis to learn more about our full range for cattle, pig and horse stalls.



## Customer Service:

Tel. +43 / 7277 / 2326 - 2900

Mo - Fr 7:00 am - 5:00 pm

## Emergency Service:

Sa 8:00 am - 5:00 pm

Su and pub. holidays 8:00 am - 1:00 pm

## Reliable customer service – reliable spare parts supply WORLDWIDE!

The individual parts of our products are almost exclusively manufactured in our own factory. This guarantees the best possible supply of suitable spare parts, no matter what the age of your system.

Our trained installers make sure the spare parts are installed quickly and correctly.

## Schauer Bonus

As Austria's largest manufacturer, we offer you an extensive range of individually planned, matured stall and feeding systems.

Our decades of experience guarantee you the optimal solution for your system.

We offer the right quality, prices and services – from advice from highly qualified technicians to conscientious order processing to perfect customer service.

**In choosing a Schauer system, you secure the latest technology for your stall, saving you time and money!**

**SCHAUER®**  
PERFECT FARMING SYSTEMS

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