

**VARIO & COMPACT smart  
FOR SMART CALF REARING.**



# AUTOMATICALLY BETTER: THAT'S HOW IT WORKS.



To raise healthy young animals and allow every calf to grow robustly, it's best to rely on automatic feeders from Förster-Technik. Every Förster automatic feeder feeds your animals hygienically and reliably, in a manner appropriate to the animal. The feed is prepared fresh, warm and in small portions only after being requested, and is then administered.

## Animal by animal

The automatic feeder knows the daily portion for each one of your

calves and gives them everything they need. Up to 12 servings can be distributed at equal intervals throughout the day. This is the optimal schedule to meet the nutritional and physiological needs of your calves. This creates the perfect conditions for healthy, high-yielding, long-living cows and more efficient dairy farming.

## Save money, gain time

Since the feed is only prepared when a calf needs it, milk wastage practically never occurs. Thanks to

the low power consumption and the low need for cleaning agents, a Förster automatic feeder is not only gentle on the environment, it's also easy on your bank account. It means that you are no longer bound by rigid feeding times and can integrate animal monitoring individually into your daily routine. In addition, there is no longer any need to carry the many, many buckets of milk, which is difficult and time-consuming – you can use this time for more pleasant tasks!

### Bucket feeding



48,000 kg of milk = 48 t of milk

### Automatic feeder

42 tons less weight

**87%!** weight saving



6,400 kg MP = 6.4 t MP

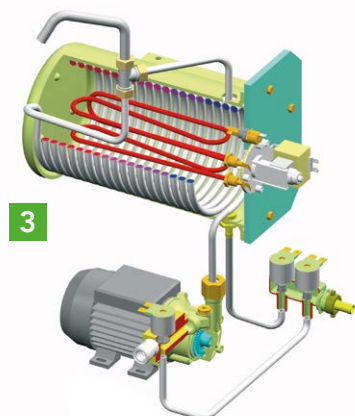
Standard plan with 77 days and 100 reared calves / year

### How the automatic feeder works

The functional principle of Förster automatic feeders is based on sound engineering and carefully produced components, and has been proven reliable in over 60,000 systems.

When a calf that is entitled to feed enters the feeding station, the automatic feeder calculates the portion it is entitled to. In a matter of seconds, the appropriate amount of feed is prepared at the precise temperature in portions of 0.25 or 0.5 liters. To do so water, milk substitutes and other feed components are quickly and gently mixed in the intensive mixer **1**. Via a suction hose **2** and a sucking teat the calf can begin to feed right away. In combi automatic feeders, the fresh milk is warmed up by a heat exchanger **3**. Milk powder and water may also be added in the mixer.

This means your calves always receive their portion fresh and at the ideal concentration. As you walk by you can easily see whether enough milk powder remains in the feeder by looking through the transparent powder hopper **4**.



- 1** Intensive mixer
- 2** Suction hose
- 3** Heat exchanger
- 4** Milk powder hopper

# MODERN CALF MANAGEMENT WITH VARIO smart & COMPACT smart



## **COMPACT smart**

The **COMPACT smart** automatic feeder makes it easy to get started with professional calf feeding. The **COMPACT smart** takes charge of preparing and administering feed for up to 50 animals, which makes it ideal for family farms.

## **VARIO smart**

The top of the line model **VARIO smart** is equipped with high-performance components and can reliably feed up to 120 animals simultaneously at up to 4 suction points. **VARIO smart** is best suited for dairy cow farms with the highest standards for calf raising.

## **Intensively from the very beginning**

With an automatic feeder, you can supply up to four different feeding groups, depending on the model. This allows you to feed your female calves differently than your bull calves. Each group has its own feeding plan with individually adjustable feed quantities and feed days, as well as plans for variable concentrations of milk powder and milk ratios.

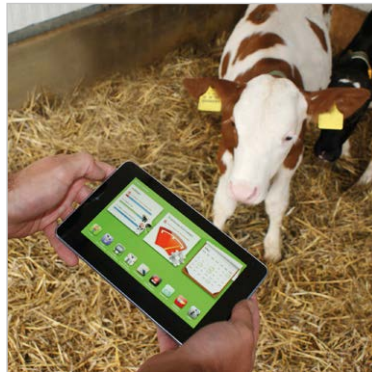


### The 40FIT-plan

Intensive feeding in the first weeks after birth is especially important for female calves. This has a positive effect on their entire lifetime output. The 40FIT plan by Förster-Technik is conceived based on precisely these requirements. It considers the first few days of a calf's life as a particularly intensive feeding phase, the 40FIT period. During this time the calf is provided with the physiologically optimal feed quantity as desired.

### Convenient hand terminal

The automatic feeders from Förster-Technik come standard with the easy to use hand terminal. This means you hold the controls in your hand and can keep an eye on your calves at the same time. The terminal features an easy to read, illuminated, large format display and 15 keys. You can use the quick function keys to access the desired function or overview at the push of a button; you enter feeding plans and animal numbers directly using the numerical keypad. Program updates and data backup are simple to perform using an SD card. It's even possible



### All animals in view via the CalfApp

to access the automatic feeder remotely using the CalfApp from Förster-Technik.

NEW!

### Web-enabled standard

Via Ethernet or Wi-Fi you can easily connect your calf feeder to the Internet and automatically save the device and animal data in the Förster-Technik CalfCloud. From there, all data can be flexibly retrieved, checked and, if needed, changed wherever. For this purpose, Förster-Technik offers you the CalfApp, that can be used with any web-enabled device. The App is simple and intuitive. This makes it a useful monitoring tool in everyday operation.

## Unique advantages of the Förster-Technik automatic feeders

- Always freshly prepared feed portions
- Always precise feed temperature
- Always accurate dosing of all feed components
- Gentle, rapid and reliable dissolution of the feed
- Simultaneous feeding of up to 120 calves at up to 4 feeding stations
- Automatic, individual feeding of individually penned calves
- Automatic calibration
- All animals in view via the CalfApp & CalfCloud

# VERSATILE ACCESSORIES FOR SUCCESSFUL REARING.



With the right equipment, you can make your automatic feeders into a complete feeding and management system to meet the highest standards.

#### VARIO

### CalfRail 2.0

With the well proven CalfRail up to 128 individually penned calves can be automatically fed small, always freshly prepared animal-specific quantities up to 8 times a day.

The animal control and care can be flexibly integrated into your daily workflow. The information required for optimal calf management (such as feed consumption and drinking speed) is provided by the automatic feeder at the press of a button. The data related to the individually penned calves are of course taken over to group housing and are also available on your smartphone, tablet and PC via the CalfManager.



Automatic cleaning before and after every feeding cycle reduces work considerably and ensures optimum hygiene. Outside of feeding times there is no milk in the system, leaving no environment for microbes to grow. An optional teat cleaning feature can be employed to spray off the teat externally with liquid after every calf feeding.



#### Clean up to the top

### Automatic calibration – always the exact quantity

Fluctuating bulk densities of milk powders may lead to variations in the concentration. This can cause health impairments and growth disorders due to under or oversupply of the calves. The patented calibration scale located under the mixer automatically checks the dosage weight of all feed components during feeding and adjusts them accordingly, if necessary. This relieves the operator of unpleasant routine work!

#### NEW!

### MultiReader – training made easy

The MultiReader identification is designed for the highly stressed regions in the calf barn. Via the push-button integrated in the antenna box, the training pump can be activated directly from the feeding station. The additionally integrated LED provides information on the feed entitlement of the calf. This is particularly important and comfortable when the display of the automatic feeder cannot be viewed from the calf area.



#### Training push-button in the station



## VARIO

### SynchroFeed - 4 at once

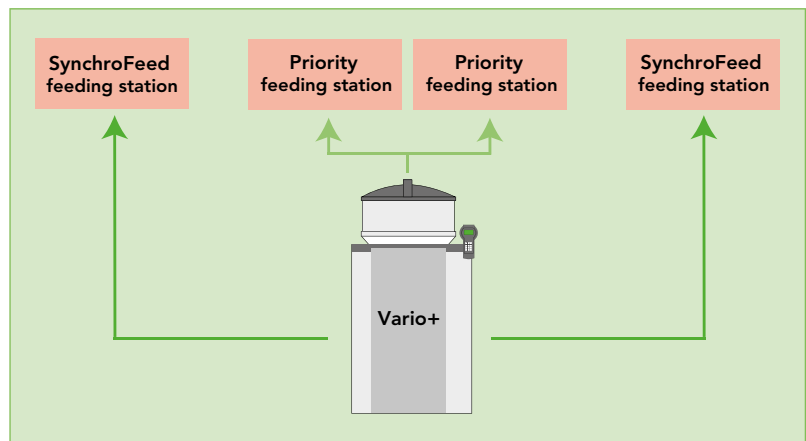
Thanks to SynchroFeed, feed can be dispensed to up to 4 feeding stations simultaneously. This allows you to feed up to 120 calves using just one automatic feeder.

### Advantages

- Significant time savings by simultaneous feeding
- With 60 calves and 2 stations according to the allin/allout system about 3 hours of work time can be saved.
- The automatic feeder adapts to the farm size.



4 calves at once.



Vario can also be combined with priority stations.

## NEW!

### CalfApp & CalfCloud

Modern calf rearing in the spirit of the 40FIT-Technology means to intensively feed and care for the calves along the lines of nature. The latest technology will lower your daily routine work and fixed care times. Förster-Technik consistently focuses on Apps and the Internet, to provide information from anywhere and at any time. You carry all important data on your smartphone with you, without long training times or the need of using different screens. Thus, the calf care is oriented towards your daily schedule – and not vice versa.

### KalbManagerWIN – The animal data always in view

The PC program KalbManagerWIN allows you to conveniently take full advantage of animal monitoring using tables and graphs, right from your desk, and access an overview of the entire raising period just by clicking the mouse. KalbManagerWIN always gives you online access to the current data from the barn. At the same time KalbManagerWIN offers you the ability to network multiple automatic feeders with one another.



KalbManagerWIN.  
Everything in view.



### **Concentrate feeder for animal-specific weaning**

The individual concentrate feed intake controls the start and duration of the weaning period. At the concentrate feeder the calves get their animal-specific, freshly prepared concentrate according to the 40FIT feeding period. Automatic weaning can be activated directly at the automatic feeder. As soon as the concentrate consumption reaches a certain threshold, e.g. 1 kg per day, the feed quantity is automatically reduced.



**Animal-specific concentrate output.**



### **Undisturbed feeding**

Because of its stable pipe design made of galvanized steel, the raceway withstands even the toughest operating conditions in the pen. Four support feet are included and ensure the raceway remains firmly on the ground. The teat is easy to recognize between the pipes so calves can quickly find their way to the suction point. Whether for application of a collar or an ear tag identification, left or right, the raceway from Förster-Technik flexibly adapts to all situations.

### **Animal scale – Easy weight tracking**

With the electronic front-feet animal scale, you can easily track and monitor each individual calf's weight as they grow – right at the feeding station. Based on the scale data, every animal is apportioned feed individually and according to its own weight growth; it also incorporates consumption of concentrate and TMR into the weight.



**Flex 100 with electronic scale.**

## Technical data

	COMPACT smart	VARIO smart
Powder hopper capacity	approx. 35 kg	approx. 35 kg
Heating output <sup>1)</sup>	2.5 kW (400 W)	5.0 kW (400 W)
Electrical connection <sup>2)</sup>	230 V/400 V/3/N/PE, 50 Hz, 16 A	230 V/400 V/3/N/PE, 50 Hz, 16 A
Feed preparation	up to 1.5 L/min	up to 2.5 L/min
Feeding stations	up to 2	up to 4
Number of rearing calves	20 to 30 per feeding station, up to 50 calves together (max. 100 calves/year)	20 to 30 per feeding station (a total of up to 120 calves)

<sup>1)</sup> further outputs available; <sup>2)</sup> may vary depending on the output

**Automatic feeder models:** Milk powder feeder, Fresh milk feeder, Combi feeder

### Standard equipment

- Hand terminal with 8-line large format display, 15 keys, numerical keypad, SD card slot
- Feeding pump for easy training of calves; can be operated from the feeding station
- Transparent powder hopper attachment
- Circulation pump in the heat exchanger with separate heating circuits (Combi and Fresh milk feeders)
- IQ heating regulation
- Stop valve for feeding station
- Stainless steel milk pump (Combi and Fresh milk feeders)
- Ethernet connection for internet connection
- Mixer draining valve
- Fully automatic heat exchanger cleaning (Combi and Fresh milk)

VARIO

- Automatic water flow meter
- Push-button for feeding pump

### Accessories for automatic calf feeders

- Automatic calibration system
- Precision doser for powder additives
- Dosing pump for liquid additives
- Dosing pump for detergent (Powder model)
- Fly protection door
- Thermal vapor screen
- CalfProtect to prevent cross-sucking
- Extension for 2nd feeding station
- Fresh milk tank with stirrer
- Frost protection equipment
- Additional heating of the suction hose
- Gradient control for lower-lying stations
- PC-program „KalbManagerWIN“
- WLAN-module
- Animal scale

VARIO

- CalfRail
- Pneumatic teat slider
- Pulsating compressed air cleaning
- Powder hopper attachment for 50 kg capacity
- SynchroFeed

COMPACT

- Push-button for feeding pump

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