

CALF REARING 4.0  
FOR SMART GROWTH.



**40FIT**  
TECHNOLOGY



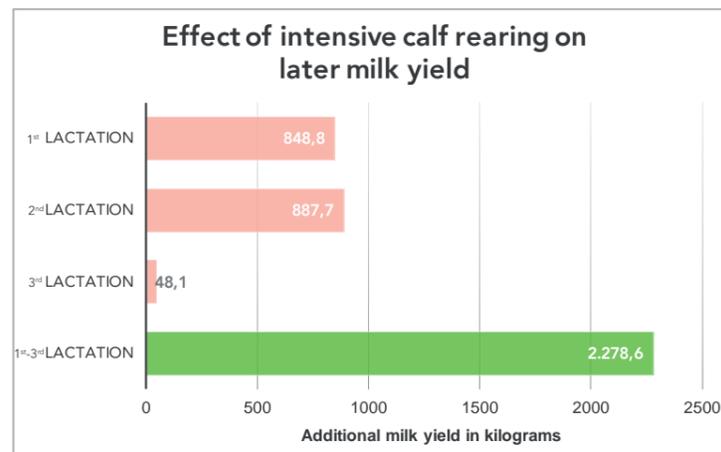
# MODERN CALF MANAGEMENT

## Healthy from the start

Intensive calf feeding lays the perfect foundation for healthy, high-performance dairy cattle herds. Supplying calves based on their needs has a lifelong positive effect on vitality, fertility and output as well as the service life of the later dairy cows. An automatic feeding system can save valuable working time while simultaneously ensuring the genetic potential of the animals is fully exploited.

## How it works

The automatic feeder mixes the portions at the optimal feed temperature, supplies the connected feeding boxes in the calf groups around the clock with freshly prepared feed and reliably monitors feeding. Depending on the model, fresh milk, milk replacer feed or both can be administered. The electronic animal identification feature identifies each calf when it enters the feeding box, which allows the automatic feeder to supply each calf with the optimal feed quantity, based on its age and the set feeding plan. Automatic animal identification additionally protects calves from over-feeding and enables the precise portion size consumed by each calf to be linked to each respective calf. All key information can be accessed at any time.

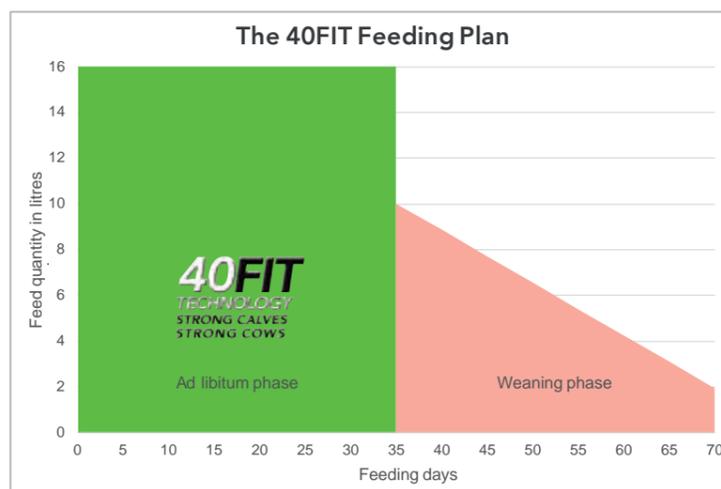


Source: modified acc. to Mike van Amburgh, Cornell University, 2011  
- at 998 g average daily weight gain / calf

## The 40FIT Feeding Plan

By the fortieth day of the calf's life, the foundations are laid to ensure that the calf's genetic potential can be fully exploited. To make optimal use of this time, Förster-Technik developed the 40FIT feeding plan, which is composed of two phases: The first period extends over the first 35 days and allows calves unlimited feed consumption throughout the day,

which protects calves from over-feeding thanks to periods during which feeding is blocked. This ensures that growth potential is maximized during the crucial first weeks of life. The second phase is the weaning phase and also lasts for 35 days, over which the feed quantity is slowly reduced. Gentle, controlled weaning prevents growth reductions and promotes rumen development.

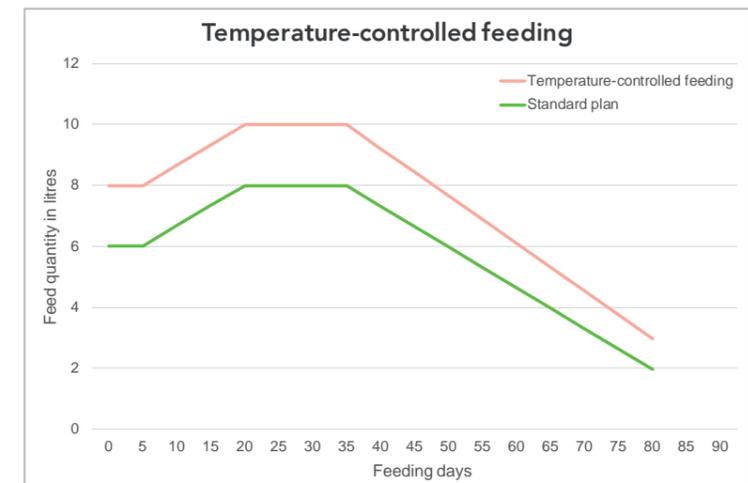


# AUTOMATICALLY BETTER: HOW IT WORKS



## Optimal temperature

Thanks to intelligent heating control and temperature sensor in the mixer, the optimum drinking temperature is always guaranteed. During cold outside temperatures, calves need a lot more energy to keep their thermoregulation and immune systems up. Temperature-controlled feeding ensures that these increased demands are met. A temperature sensor on the feeding box measures the ambient temperature and automatically increases the feed quantity or concentration once a configurable limit value is reached.



Adaption of the standard plan to the increased energy requirements of the calf

## Be flexible!

The automatic feeding system means you are no longer bound to fixed feeding times. The monitoring of your animals and equipment can be integrated entirely flexibly into the workday. Moreover, some daily tasks are no

longer required: such as mixing the feed and bringing it to the proper temperature, as well as carrying and cleaning buckets! Fully automated cleaning of the automatic feeder ensures optimal hygiene with minimal effort.

## MODERN CALF MANAGEMENT WITH

### COMPACT smart

The **COMPACT smart** automatic feeder makes it easy to get started with professional calf feeding. The **COMPACT smart** can supply fresh feed to up to 50 calves at two feeding stations, making it ideal for smaller farms. The **COMPACT smart** is available for use with milk replacer only, or as a combination version capable of feeding both fresh milk as well as milk replacer.

### VARIO smart

The top-of-the-line **VARIO smart** is best suited for large farms that insist on the highest standards of calf raising. The **VARIO smart** simultaneously and reliably feeds up to 120 calves at four feeding stations. Additionally the **VARIO smart** makes combined feeding of calves possible, regardless of whether they are in single pens or kept in groups!

The **VARIO smart** is available for use with fresh milk, milk replacer, or as a combination version.

Both models are internet-capable as standard.



## ACCESSORIES FOR HIGHEST STANDARDS

### CalfApp & CalfCloud

#### Worldwide informed

The practical management tools CalfApp and CalfCloud are the ideal supplement to the internet-capable VARIO and COMPACT smart automatic feeders. They provide access to all automatic feeder and calf data, with a clear and user-friendly design. CalfCloud allows you to conveniently view the data anytime and anywhere, while CalfApp additionally enables you to control the automatic feeder remotely.

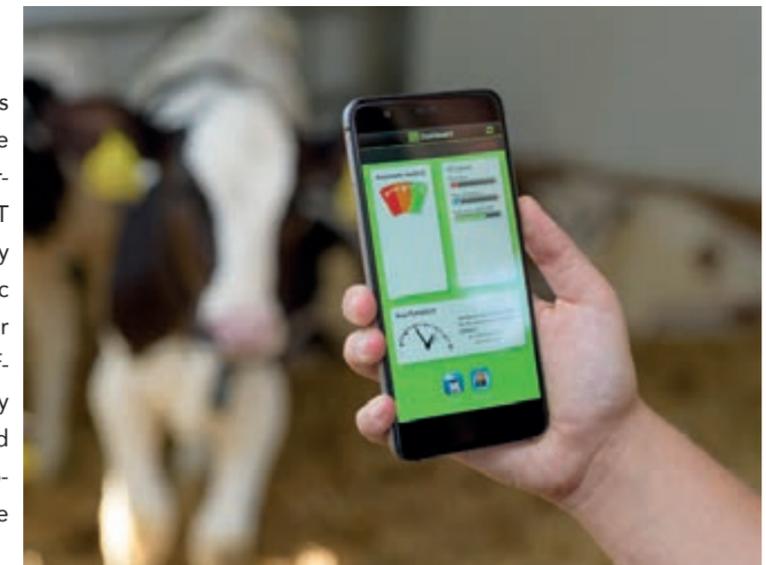
CalfApp for IOS and Android simply download here.



### KalbManagerWIN

#### Everything under control

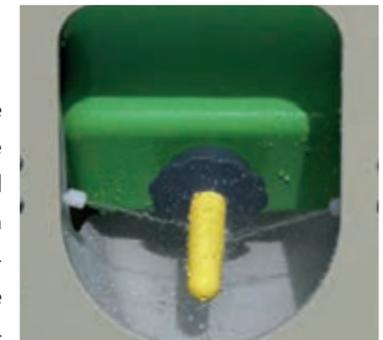
The PC program KalbManagerWIN allows you to conveniently take full advantage of animal control using tables and graphs, right from your desk, and access an overview of the entire raising period with the click of the mouse. Additionally KalbManagerWIN allows you to network and synchronize multiple automatic feeders with one another.



### HygieneBox

#### Clean up to the tip!

With its fully automated hose and teat cleaning features, the HygieneBox ensures optimal hygiene. The complete system can be flushed several times a day, including inside the teat tip. The teat is additionally cleaned externally after each calf. The portable HygieneBox also lets calves engage their natural udder butting movements. The integrated activity sensor in the HygieneBox measures udder butting movements and further optimizes the automatic feeder's early disease detection.



# MODERN CALF MANAGEMENT WITH

# ACCESSORIES FOR HIGHEST STANDARDS

VARIO

## CalfRail

### Individual penning made easy

The tried-and-trusted CalfRail feeds freshly prepared portions to calves in single pens up to eight times daily. The CalfRail is controlled by the VARIO automatic feeder, which supplies it with milk replacer feed or fresh milk. Since the CalfRail automatically cleans itself, this not only saves the work of preparing, transporting and feeding, but also makes the manual cleaning of buckets and equipment unnecessary. The data required for optimal calf management can be viewed via the automatic feeder, e.g., feed consumption and feeding speed.



Supplying feed to CalfRail and groups using only one automatic feeder

VARIO



### SYNCHROFEED

The powerful hose pumps simultaneously supply up to four feeding boxes with fresh feed and also support the youngest calves while drinking.



### AUTOMATIC CALIBRATION

The patented calibration scale beneath the mixing jar automatically calibrates the feed components during feeding and adjusts them accordingly.



### FLY PROTECTION DOOR

The fly protection door prevents flies from getting into the feed. The perforated surface guarantees optimal air circulation.



### ADDITIVE DISPENSER

The dispensers for powdered and fluid additives dispense feed additives and electrolytes precisely dosed, animal-individually and fully automatically.



### MULTIREADER

The MultiReader animal identification registers each calf and shows the current status of entitlement via an LED. The MultiReader is compatible with all common transponders.



### SECOND DETERGENT

By adding the second detergent, the automatic cleaning takes place with acidic as well as alkaline detergent.



### CALFPROTECT

The CalfProtect closes automatically, ensures uninterrupted feeding and keeps calves from cross-sucking. The closing time can be set as required.



### CONCENTRATE FEEDER

The concentrate feeder documents each calf's concentrate consumption and enables an animal-specific weaning depending on the feed intake.



### FRESH MILK CONTAINER

The stainless-steel container with a lid and a mixer can be connected to the automatic feeder. It is easy to clean and has a capacity of 120 or 200 liters.



### MAXIFLEX FEEDING BOX

The frame of the feeding box is height and width-adjustable and can be combined with a swing-up pivoting frame.



### ELECTRONIC SCALE

The electronic half-body scale weighs the calves fully automatically during feeding and logs their weight development.

### TIP:

Find more information about automatic feeder accessories here:



Technical data	COMPACT smart	VARIO smart
Powder tank capacity	approx. 35 kg	approx. 35 kg, expansion to 50 kg possible
Heat output	2.5 kW (400V)	5.0 kW (400V)
Power supply	230V/400V/3/N/PE, 50Hz, 16 A	230V/400V/3/N/PE, 50Hz, 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 calves	20 to 30 per feeding station, up to 50 calves at a time, up to 100 calves/year	20 to 30 per feeding station up to 120 calves at a time

## Standard equipment

- Handterminal with 8-line large format display and SD card slot
- Feeding pump for easy training of calves, can be operated from the feeding station
- Powder hopper with filling level indication
- Circulation pump in the heat exchanger with separate heating circuits (for Combi and Fresh milk feeders)
- IQ heating regulation
- Detergent pump (for Combi and Fresh milk feeders)
- Milk pump (for Combi and Fresh milk feeders)
- Ethernet connection for Internet connection
- Mixer drain valve
- Fully automatic heat exchanger cleaning (for Combi and Fresh milk feeders)
- Automatic water flow meter



## Advantages of the automatic feeders from Förster-Technik

- Always freshly-prepared feed in small portions
- Always constantly concentrated and exactly tempered
- Uninterrupted drinking through simultaneous preparation and feeding
- Exact documentation of the feed intake
- High throughput and mixing rate for good weight gains, even with high numbers of animals
- Made-to-measure feeding system thanks to a wide range of accessories



### Förster-Technik GmbH

Gerwigstr. 25

D-78234 Engen

Tel.: +49(0)7733 9406-0

Fax: +49(0)7733 9406-99

E-mail: [info@foerster-technik.de](mailto:info@foerster-technik.de)

Internet: [www.foerster-technik.com](http://www.foerster-technik.com)

[facebook.com/foerstertechnik](https://facebook.com/foerstertechnik)

