

MODERN CALF REARING WITH SMART CALF FEEDERS.

NEW!
TOUCH DISPLAY



40FIT
TECHNOLOGY



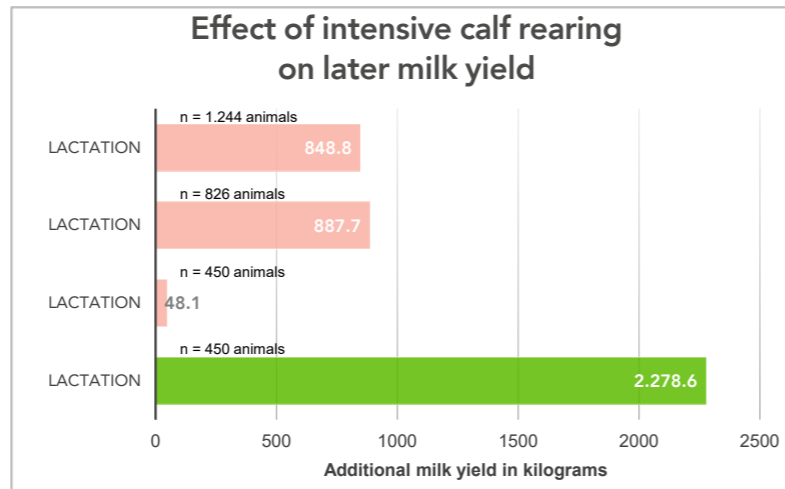
MODERN CALF MANAGEMENT

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.

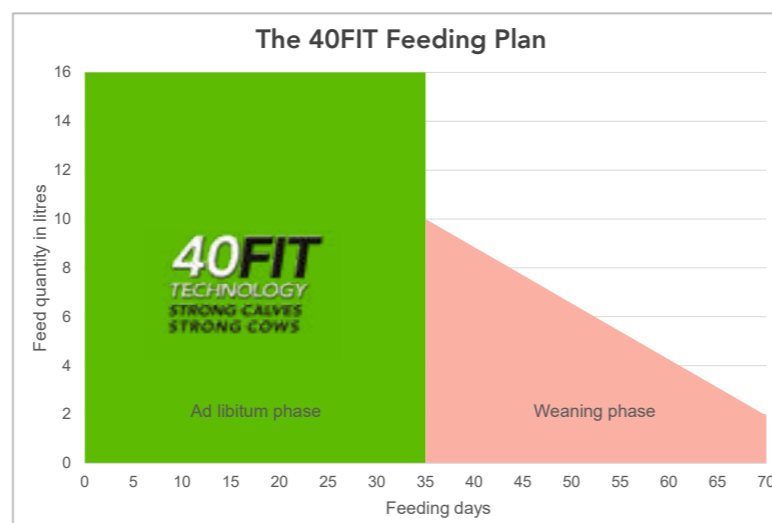


Source: modified acc. to Mike van Amburgh, Cornell University, 2011
- at 998 g average daily weight gain / calf

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.

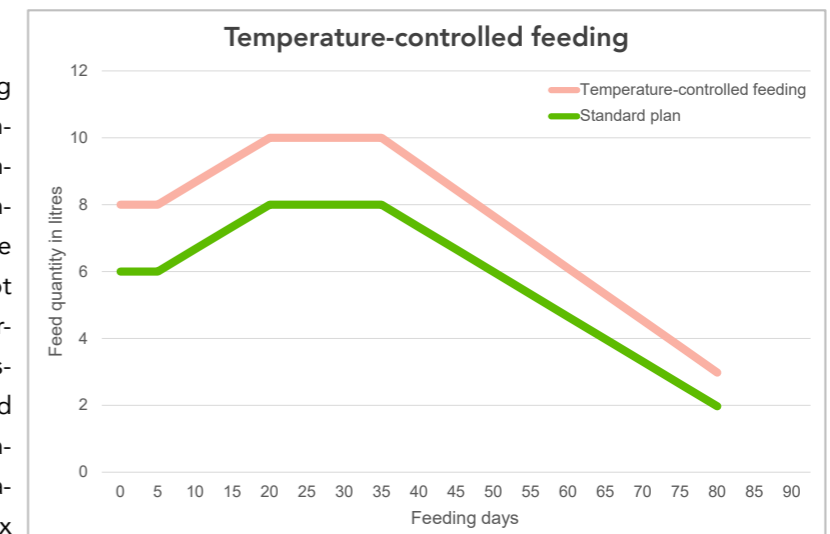


AUTOMATICALLY BETTER: HOW IT WORKS



Optimal Temperature

Thanks to the intelligent heating control and the 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** autofeeder 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 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 singles 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 enabled as standard.

NEW!
Optional with Touch Display



ACCESSORIES FOR HIGHEST STANDARDS

Digital calf barn

With our software products we offer you digital and modern management solutions for your calf barn.

CalfCloud

Our smart technology such as the automatic feeder, CalfApp VITAL and CalfApp GO! offers farmers digital recording of all data about the automatic feeder and calves. The CalfCloud is the centerpiece of our data management system. It collects all data from the feeder, CalfApp VITAL and other internet-enabled devices from Förster-Technik such as the Smart Neckband. The CalfCloud brings together all the collected data at one point, prepares it and thus offers the farmer a clear overview of all relevant changes or information.

CalfApp GO!

The modern, intuitive operating concept of CalfApp GO! allows you to control many of the calf feeder's functions via a mobile device and call up data on your calves at any time.

So you can check at any time and anywhere that everything is in order in your calf barn – whether at the breakfast table or on the tractor.



CalfApp VITAL

Monitor the health of your calves to a new level! Anytime, anywhere and without any paperwork. With CalfApp VITAL we combine the interaction of the automatic feeder and the health management of your calves.

With our CalfApp VITAL, we offer you the possibility of immediately recording, saving and viewing the health status of your calves at any time. Note down important parameters such as: nasal discharge, condition of the eyes, position of the ears, manure quality, cough, temperature values.



MODERN CALF MANAGEMENT WITH

ACCESSORIES FOR HIGHEST STANDARDS

Touch Display

Simple Operation

The optional Touch Display that can be integrated into the automatic feeder makes it possible to access all CalfCloud data directly from the calf barn and offers an overview about all feeder and calf data for all workers.

The robust Touch Display is attached to the feeder over a metal arm and can be turned by 180°.

A protective cover protects it from dirt and dust - optimal for the use in the calf barn!



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.



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 bumping movements. The integrated activity sensor in the HygieneBox measures udder bumping movements and further optimizes the automatic feeder's early disease detection.



ADDITIVE DISPENSER

The dispensers for powder and liquid additives dispense feed additives and electrolytes precisely, animal-individually and fully automatically.



MULTIREADER

The MultiReader animal identification registers each calf and shows the current status of entitlement via a 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 crosssucking. The closing time can be set as required.



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.

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 below 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.



CONCENTRATE FEEDER

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



SMARTTANK

The milk cooling tank with 100 l or 300 l capacity made of stainless steel efficiently stores and cools fresh milk for calf feeding.



MILKCOLLECTOR

The MilkCollector collects and transports the milk from the milking system with the help of a pump in real time up to 100 meters into the calf barn.

Technical Data	COMPACT smart	VARIO smart
Powder hopper 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 calf training, 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
- Feed is always mixed with constant concentration and precise temperature
- 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



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