



# TRIO MATIC

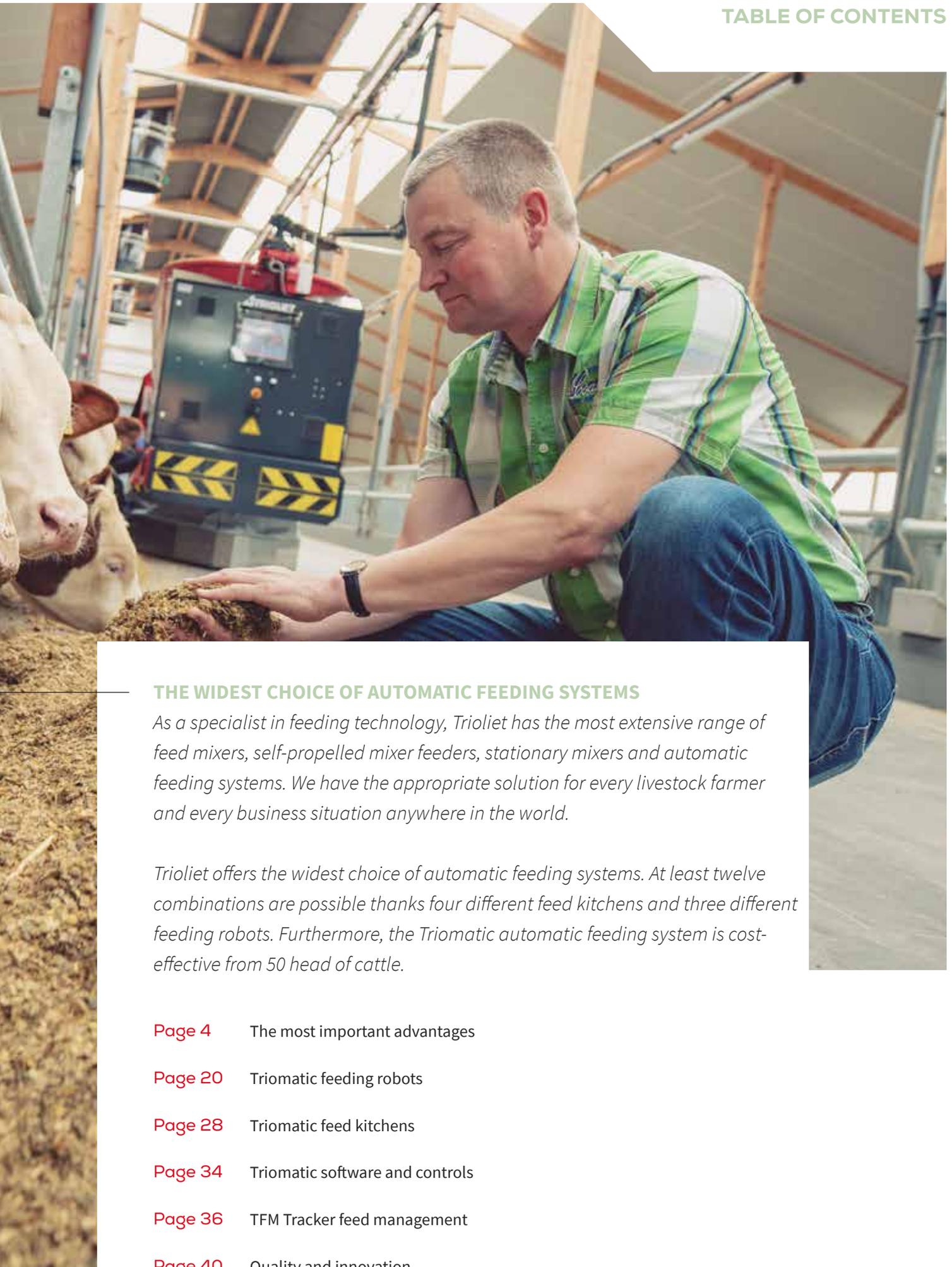
*automatic feeding systems*

Trioliet. Invents for you.



# COST-EFFECTIVE FROM JUST 50 HEAD OF CATTLE





### THE WIDEST CHOICE OF AUTOMATIC FEEDING SYSTEMS

*As a specialist in feeding technology, Trioliet has the most extensive range of feed mixers, self-propelled mixer feeders, stationary mixers and automatic feeding systems. We have the appropriate solution for every livestock farmer and every business situation anywhere in the world.*

*Trioliet offers the widest choice of automatic feeding systems. At least twelve combinations are possible thanks four different feed kitchens and three different feeding robots. Furthermore, the Triomatic automatic feeding system is cost-effective from 50 head of cattle.*

**Page 4**     The most important advantages

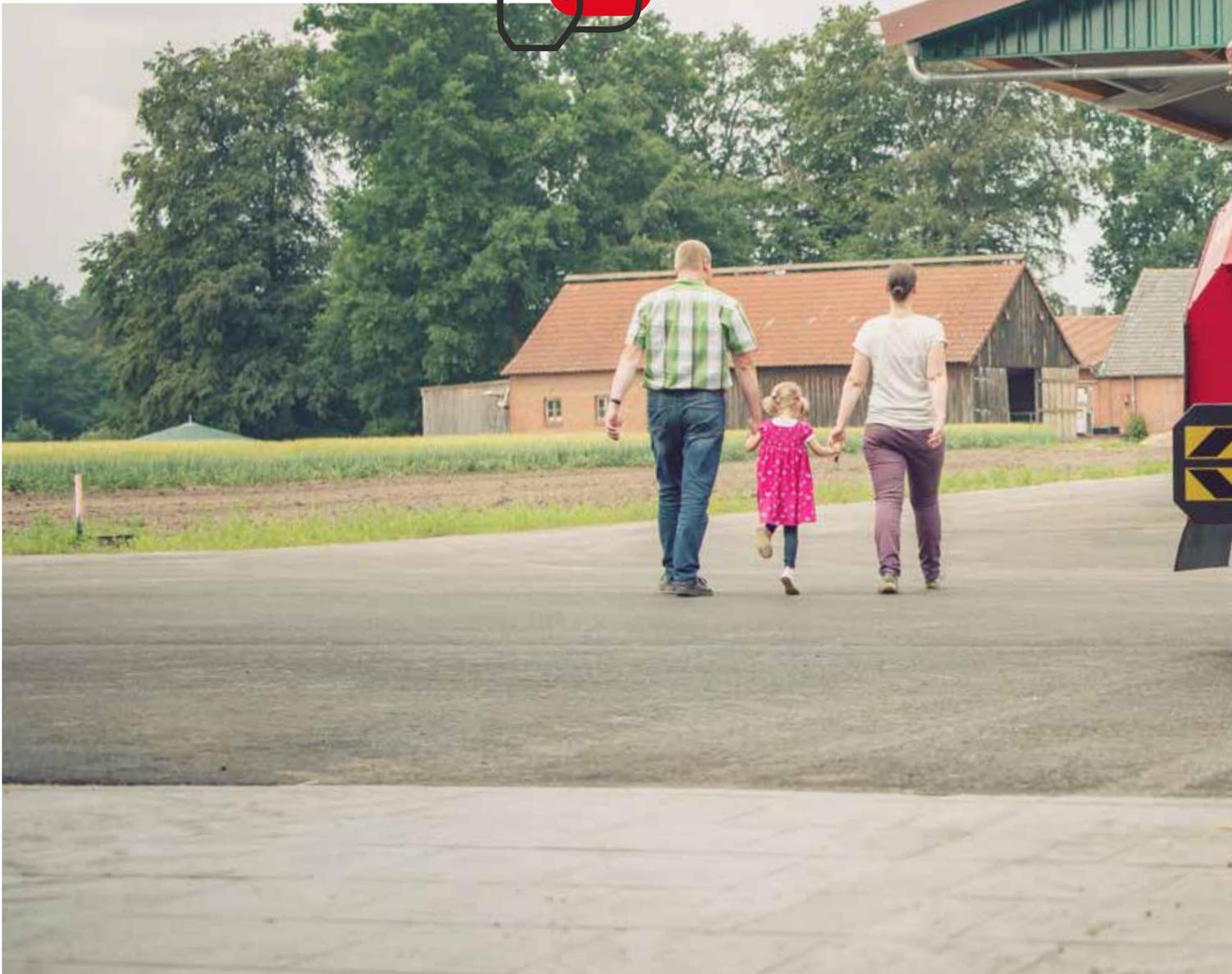
**Page 20**    Triomatic feeding robots

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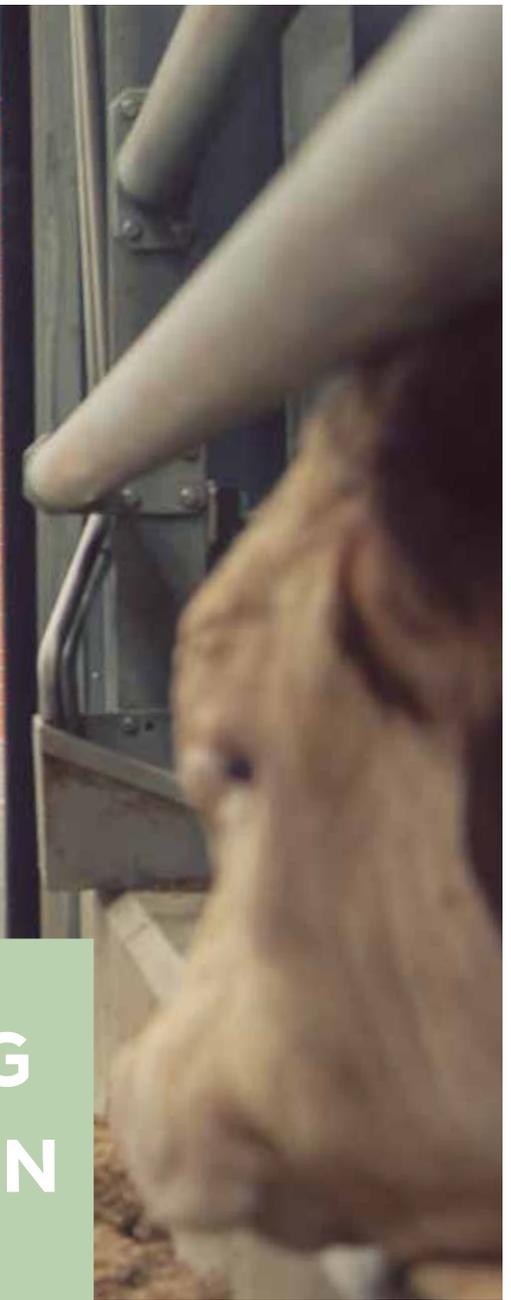
**Page 40**    Quality and innovation



Automation is becoming increasingly important in modern dairy farms for producing milk efficiently and profitably, while for beef farmers, it is important to achieve the highest possible weight gain. However, automatic feeding is a major step for many livestock farmers. It is therefore good to know what an automatic feeding system actually delivers.

**THE MOST IMPORTANT ADVANTAGES ARE:**

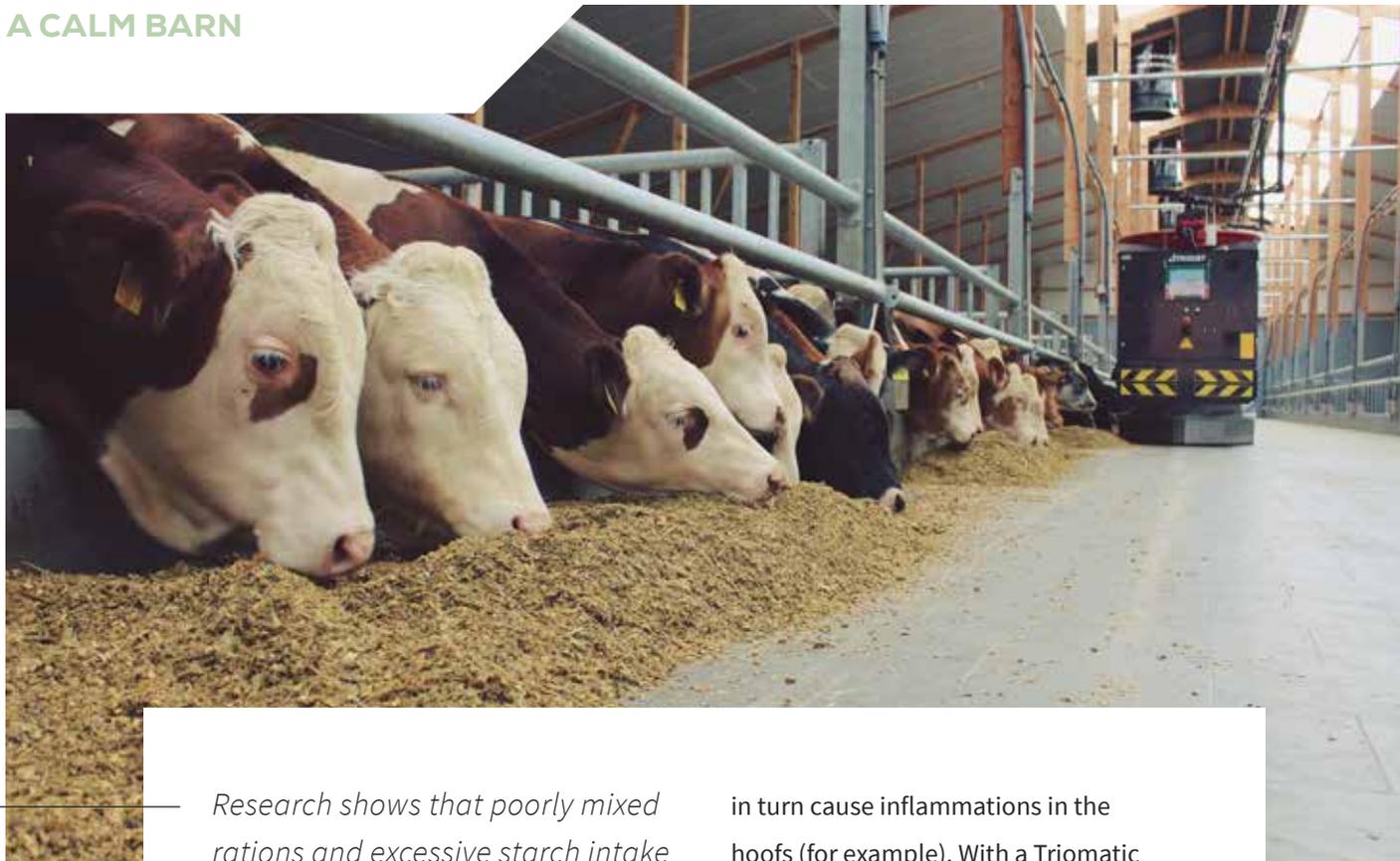
- More frequent feeding prevents ruminal acidosis and related health problems
- More frequent and targeted feeding leads to higher milk production and higher fertility
- The ability to produce accurate and targeted mixes, even for small groups
- Operational reliability: feeding never fails
- A calm barn, less hierarchy among the animals
- Low energy consumption
- Savings on working hours



# IS AUTOMATIC FEEDING AN ATTRACTIVE OPTION FOR ME?



## A CALM BARN



*Research shows that poorly mixed rations and excessive starch intake are the main causes of ruminal acidosis. But it can also be a result of large and irregular amounts of feed. Feeding smaller amounts more often results in much more consistent feed intake and therefore less chance of ruminal acidosis. Twelve equal meals per day are ideal for dairy cows and three to five per day for beef cattle.*

Ruminal acidosis is a common problem with dairy cows. It causes reduced rumination activity, diarrhoea, lower feed intake and lower milk yields. Excessively low rumen pH leads to decomposition of bacteria, releasing toxins which can

in turn cause inflammations in the hoofs (for example). With a Triomatic automatic feeding system, it is possible to plan a total of more than 40 feeds each day for multiple groups. The dairy cows, heifers and dry cows each get their own ration, spread throughout the day. In dairy cattle, this leads to higher milk production with improved content, while in beef cattle it results in higher feed conversion. Moreover, it ensures a calmer barn and a better start for the calves. There is less competition at the feeding fence and every animal gets exactly what it needs. The ability to feed several times per day has a positive impact on the feed conversion ratio and the health of the livestock.

# FREQUENT FEEDING PREVENTS RUMINAL ACIDOSIS





Nik Mulder and his father Harry

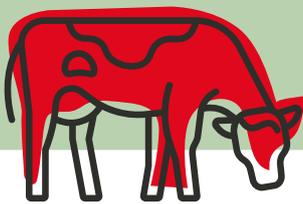
### A WELL-ORGANISED SYSTEM

*It was quickly clear that the Mulder family would choose automatic feeding. “The saving in labour that it delivers is huge. Before, it took me 2½ hours a day to feed 125 cows and their calves. Now, with 170 dairy cows, it takes me less than three hours a week to fill the feed kitchen. That saves me 14 hours each week,” says Nik Mulder.*

Choosing the Triomatic feeding system was not a decision to be made overnight. Father and son compared a range of automatic feeding systems from various suppliers, A number of features proved decisive for the selection of the Triomatic T30. Nik Mulder: “The automatic feeding system with bunkers is a well-organised system with few rotating parts, and therefore minimal hassle. We found that very important. In addition, we wanted to feed in two barns with a single system. The wheeled robot is perfect for that. Moreover,

# I USE THE TIME SAVED FOR MANAGEMENT TASKS

Nik Mulder | Dairy farmer



**170 dairy cows**



we can feed between 500 and 700 head with one Triomatic robot, and that way we can save a considerable amount of time. Overall, with this system we are well prepared for the future.”

The Triomatic automatic feeding system has been running since 2015 in the Mulder family’s barn in Wijhe. They have the Triomatic T30 feed kitchen in combination with the Triomatic WP 2 300 wheeled robot. The family is very happy with the new system. “Everything works as it should. The cows are healthy and happy, and you can see that from the quiet in the barn. I use the time saved for management tasks,” adds Nik Mulder.



See also [www.automaticfeeding.com](http://www.automaticfeeding.com) for more information and testimonials from Triomatic users



### GOOD MIXING PREVENTS FEED SELECTION

Scientific research has shown that dairy cows, beef cattle and goats all have a very strict biological clock, which is why it is important to feed livestock at fixed times. The ration also needs to be consistent and must have the same composition every day and every feed. Once you have sat down with your feed advisor to determine what the ration should be, it is important that this carefully composed menu actually ends up in the animals. To prevent them from picking out the tastiest bits of feed, it is important that the ingredients are mixed well. When rations are properly mixed, it is impossible to pick and choose and so every animal receives a properly balanced ration.

### TRIOMATIC DELIVERS BOTH VERTICAL AND HORIZONTAL MIXING

In addition to a balanced ration, the quality of the mixing is very important. Triomatic feed robots have a specially shaped chamber in which the feed is mixed both vertically and horizontally according to the 'Dual Flow' principle. Thanks to the unique shape of the augers, even small quantities of feed (from as little as  $\pm 60$  kg) are properly mixed. The feed is also better mixed thanks to the high auger speed, meaning that even the smallest groups of animals receive a balanced and well-mixed ration.

## INVESTMENT IN STAFF OR IN AUTOMATION?

At present, feeding can take around an hour and a half every day, and salaries are not getting any cheaper. By contrast, an automated feeding system can reduce the time spent on this task to 15 to 30 minutes per day. At the same time, the costs of investment are spread over the lifetime of the system. When you realise that the earliest Triomatic feeding system has already been running for more than twelve years, it doesn't take long to put two and two together. The feeding robot does exactly what you ask it to do and is always ready for you, 24 hours a day, 7 days a week.



*Well-mixed rations prevent selection at the feeding rack*

# PERFECT MIXING STARTING AT 60 KG



*The Triomatic is ready for you 24 hours a day, 7 days a week*

## SAVE MONEY WITH AUTOMATIC FEEDING

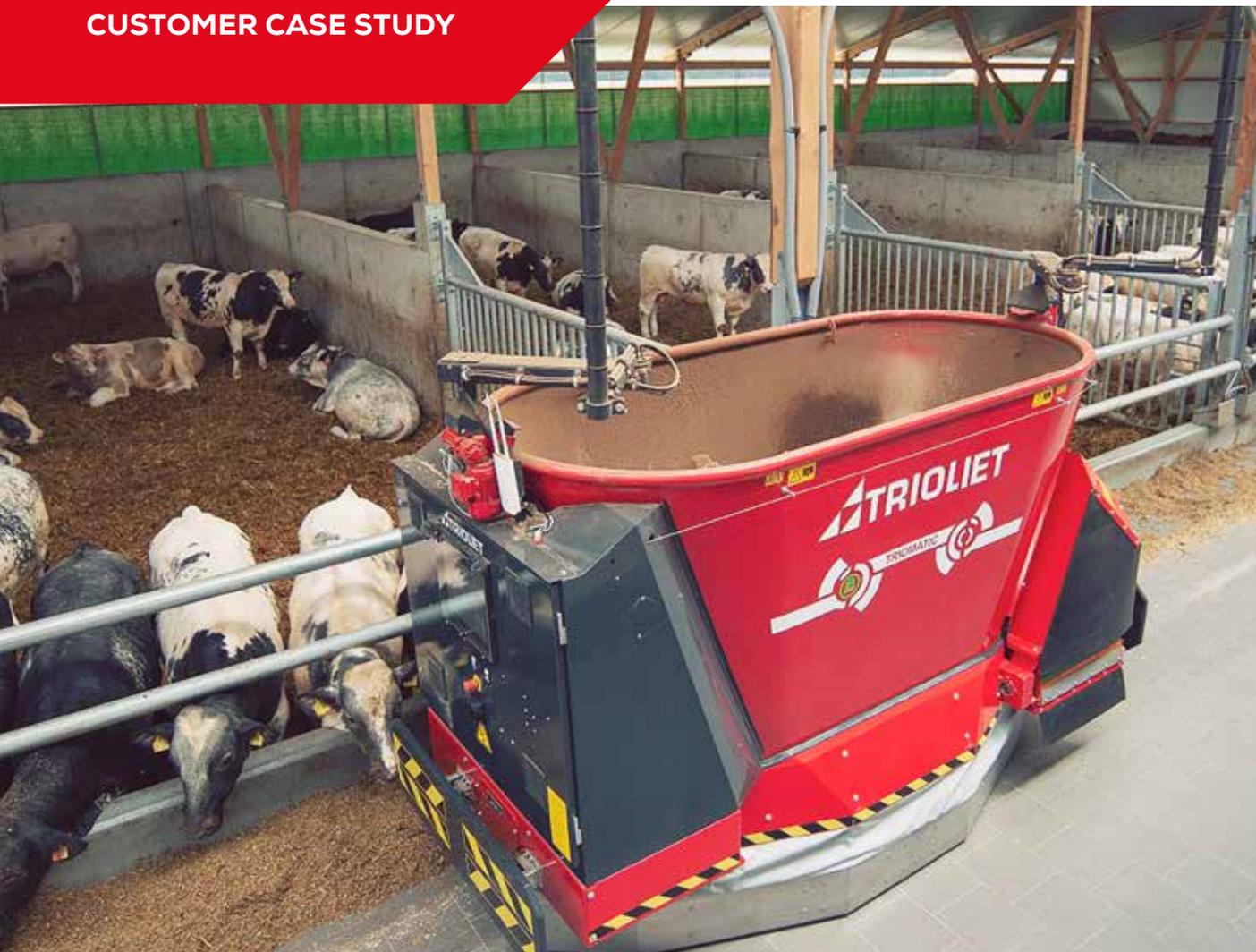
If you take a closer look at automatic feeding you will see that there are many benefits beyond just the savings in labour. Research among Triomatic users has shown that the cost savings can also be considerable. The savings come mainly from improved feed utilisation, higher milk production with better content, greater feed efficiency, less work and lower energy costs.



**THE TRIOMATIC'S  
ENERGY CONSUMPTION  
IS APPROXIMATELY  
10 KWH PER DAY PER  
100 HEAD, WHICH IS  
LESS THAN € 2 PER DAY**







### FEEDING ALWAYS GOES AHEAD, WHATEVER THE CIRCUMSTANCES

Berthold and Nina Altemeyer from Salzbergen in Germany have a beef cattle farm with 360 animals, which they feed using a Triomatic T30 automatic feeding system with a wheeled robot. When asked why they opted for automatic feeding, Nina does not hesitate to answer: “Certainty!” For her, the Triomatic system is the same as having a full-time employee on the farm. Nina: “For me, certainty is the most important reason for choosing automatic feeding. If Berthold unexpectedly feels ill or is temporarily unable to work for whatever reason, the feeding will always go ahead, whatever the circumstances. I could still run the farm on my own, and I find that a very reassuring thought.”

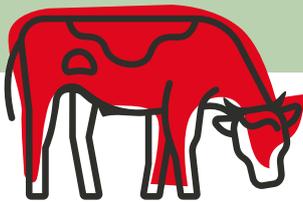
### MORE ACCURATE THAN A MIXER WAGON

The balanced rations are pre-programmed and are fed accurately to the animals, exactly as the feed advisor intended. Berthold: “With the mixer wagon, things were different. It was a lot less accurate; we did everything approximately. But that’s all in the past. Because everything is now precisely weighed, the animals receive a balanced ration at all times. And if adjustments have to be made, we can do that ourselves. In a nutshell: although we need more energy, we also need less protein and have fewer emissions. This is possible through targeted feeding. We expect that the bullocks will even leave the barn a whole month earlier. They are now putting on 1,200 grams a day, whereas before it was always 900 to 1,000 grams. In other words, accurate feeding is saving us a lot of money over the long term.”

# THE TRIOMATIC SYSTEM IS AN EXTRA PAIR OF HANDS ON THE FARM



Berthold and Nina Altemeyer on their Triomatic automatic feeding system



**360 bullocks**



## LESS HIERARCHY AMONG THE ANIMALS

“We also see an enormous difference in our animals’ behaviour,” adds Nina. “Before, they were really skittish, but now the children can even cycle through the barn and the animals will remain calm. That used to be absolutely unimaginable.” “It’s a nice, complete system”, continues Berthold. “There is no work involved, apart from filling the feed storage units, of course. The storage area stays neat and tidy and doesn’t require much work, which is also important for us.”

At first, the Altemeyer family was planning to buy a new mixer feeder, but when Berthold and Nina saw the Triomatic in a video, they were immediately convinced. Berthold: “It represents a major improvement – and not just for the farm. I like to spend the extra free time with my three children aged 9, 7 and 4, and obviously, you can’t put a price on that.”



See also [www.automaticfeeding.com](http://www.automaticfeeding.com) for more information and testimonials from Triomatic users



*Your cows should be given a balanced ration every day to remain healthy and to be able to perform at their best. It is thus important to focus on a good mix quality and good feed management. But this takes time. Balanced feeding is of course important – but it is also a time-consuming task. Trioliet can help you with this.*

*Still unsure which system is best for your needs? We can help you choose a feeding system by carefully examining your personal situation. With more than 65 years' experience, we know what is good for you*

*and your animals and we can proudly say that we understand feeding.*

## **TWELVE DIFFERENT SYSTEMS**

You can choose between a hanging robot, a mains-powered wheeled robot or a battery-powered wheeled robot. There are also four types of feed kitchen, each with various types of feed storage (loose, in blocks or in bales). Some feed kitchens even have a storage capacity of 3 to 5 days. That means they need to be refilled only two or three times per week to provide the animals with a consistent ration.



# UNDERSTANDING FEEDING





***Trioliet would like to -  
contribute to a better  
environment for both  
people and animals***



# TRIOMATIC FEEDING ROBOTS

*Hanging or wheeled robot*



*One feeding robot is suitable for 50 to 700 head and it is possible to run several robots on a single system.*

Thanks to the innovative design of the mixing chamber, the feed is mixed both vertically and horizontally according to the so-called 'Dual Flow' principle. This results in perfectly mixed rations, making it impossible for animals to pick out only the tastiest feed.



*The hanging robot is ideal for feeding using troughs*



### CHOOSE BETWEEN THREE DIFFERENT FEEDING ROBOTS:

1. *Triomatic HP 2300 (“Hanging”, hangs from a steel rail with power supplied via a power rail)*
2. *Triomatic WP 2300 (“Wheeled”, on wheels with power supplied via a power rail)*
3. *Triomatic WB 2250 (“Wheeled”, on wheels with a battery)*

The feeding robots have two vertical mixing augers and a capacity of 2.5 or 3 m<sup>3</sup>, and are suitable for 50 to 700 head.



Obstacles and variations in height pose no problems for the hanging robot



# TRIOMATIC HP

*Hanging robot - Triomatic HP 2 300*



## FEATURES OF THE TRIOMATIC HP

This feeding robot hangs from a steel rail, making it independent of ground surface and weather conditions when moving outdoors. Differences in height, for example between stalls, are easily bridged. The robot can also be lifted automatically using a winch\*. This offers further advantages, as the route can pass over stalls and the robot can spread straw onto the stalls (for example). The Triomatic HP feeding robot also allows you to feed your animals using troughs. The robot can be combined with all types of Triomatic feed kitchens.

\* Not UL/CSA approved



Even in snow, the HP feeding robot simply does its job



See also [www.automaticfeeding.com](http://www.automaticfeeding.com) for more information and testimonials from Triomatic users



## TECHNICAL SPECIFICATIONS FOR THE TRIOMATIC HP 2 300 FEEDING ROBOT

The robot can be combined with all types of Triomatic feed kitchens

### Features of the HP 2 300 feeding robot

Capacity	3,00	m <sup>3</sup>
Number of augers	2	
Width	1,38	m
Minimum (net) width of feeding alley*	2,40	m
Number of heads that can be fed by one feeding robot	50 - 700	head
Feeding capacity, quantity of feed per day (dependent on the storage system, feed types and length of route)	+/- 25.000	kg
Required electric connection 3-phase	3x32	A
Required voltage	400	V~
Required frequency	50/60	Hz
Maximum incline of the hanging rail route	2	%
Maximum incline of the hanging rail route with rack and pinion drive	14	%

# TRIOMATIC WP

*Wheeled robot - Triomatic WP 2 300*



*Suitable for wide feeding alleys thanks to the offset function*

## FEATURES OF THE TRIOMATIC WP

The Triomatic WP feeding robot travels on wheels and follows the power rail to which it is connected. The system on which the power rail is suspended does not place any structural requirements on the steel structure of the barn. As well as supplying electricity, the power rail also guides the feeding robot.

Can travel up to 1 metre to the left or right of the power rail

The advantage of this robot is that it's also suitable for wide feeding alleys. The Triomatic WP robot is able to use an offset function to extend up to 1 metre to the left or right of the power rail. In this way, it can discharge and push feed at different distances from the feeding rack. It is thus able to deliver feed along a feeding alley up to 5 metres wide from just 1 power rail. The WP robot can be combined with all types of Triomatic feed kitchens.





## TECHNICAL SPECIFICATIONS FOR THE TRIOMATIC WP 2 300 FEEDING ROBOT

Features of the WP 2 300 feeding robot		
Capacity	3,00	m <sup>3</sup>
Number of augers	2	
Width	1,38	m
Minimum (net) feeding alley width*	2,57	m
Number of heads that can be fed by one feeding robot	50 - 700	head
Feeding capacity, quantity of feed per day (dependent on the storage system, feed types and length of route)	+/- 25.000	kg
Required electric connection 3-phase	3x32	A
Required voltage	400	V~
Required frequency	50/60	Hz
Maximum offset, left and right from the power rail	1	m
Minimum ceiling height from the feeding alley*	3,00	m
Maximum height of power rail*	4,20	m
Maximum gradient in the direction of travel*	5	%
Maximum threshold height in the direction of travel	50	mm

\*Variations upon request

# TRIOMATIC WB

*Wheeled robot - Triomatic WB 2 250*

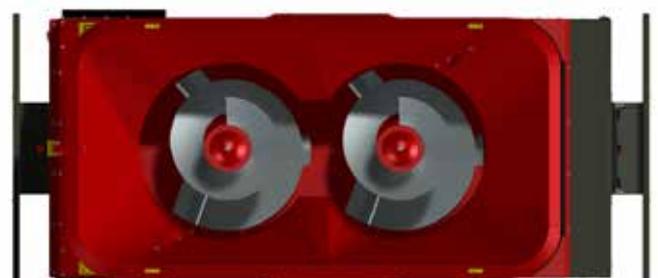


**NO NEED FOR A RAIL**

## FEATURES OF THE TRIOMATIC

The Triomatic WB feeding robot travels on wheels and has batteries to power travelling, discharging and pushing. In the feed kitchen, the feeding robot docks onto a power rail in order to charge the batteries and to be able to drive into the feed kitchen and carry out mixing on mains voltage. This gives the robot extra capacity and prolongs the lifespan of the batteries.

For navigation, the Triomatic WB robot uses an antenna that follows an induction wire or transponders on the floor. This makes it possible to operate without any need for a rail, even between different stalls across a farmyard. The robot can be combined with all types of Triomatic feed kitchens.





## TECHNICAL SPECIFICATIONS FOR THE TRIOMATIC WB 2 250 FEEDING ROBOT

Features of the WB 2 250 feeding robot		
Capacity	2,50	m <sup>3</sup>
Number of augers	2	
Width	1,25	m
Minimum (net) feeding alley width*	2,40	m
Number of heads that can be fed by one feeding robot	50 -300	head
Feeding capacity, quantity of feed per day (dependent on the storage system, feed types and length of route)	+/- 15.000	kg
Required electric connection 3-phase	3x32	A
Required voltage	400	V~
Required frequency	50/60	Hz
Minimum ceiling height from the feeding alley*	2,50	m
Maximum gradient in the direction of travel*	5	%
Maximum threshold height in the direction of travel	30	mm

\*Variations upon request

# TRIOMATIC FEED KITCHENS

*With a storage capacity up to 5 days*



Triomatic T30

## FOUR DIFFERENT TRIOMATIC FEED KITCHENS ARE AVAILABLE:

1. *Triomatic T10 control panel*
2. *Triomatic T20 with stationary mixer(s)*
3. *Triomatic T30 with feed bunkers for coarse feed*
4. *Triomatic T40 with feed floors for silage blocks and/or bales*

*All feed kitchens can be combined with both hanging (HP) and wheeled (WP and WB) Triomatic feeding robots.*





Triomatic T20

Stationary feed kitchen for 1 basic ration

### TRIOMATIC T20 FEED KITCHEN WITH ONE OR MORE STATIONARY MIXER(S)

The Triomatic T20 feed kitchen consists of a main control panel with one or more stationary mixer(s). The mixer is electrically powered and is available with 1, 2 or 3 vertical augers and a capacity of 7 m<sup>3</sup> - 52 m<sup>3</sup>. The Triomatic T20 can process any type of feed in any form, including round or square bales with long feed. The Triomatic T20 is particularly suitable for livestock farmers who want to feed a single basic ration and may want to add various feed ingredients (including concentrate) to the robot for each group.



Controlling tower silos and feed dosing systems

### TRIOMATIC T10 CONTROL PANEL

The Triomatic T10 is a main control panel which can be used to switch on or off third-party tower silos and feed discharge systems. A Triomatic feeding robot cannot control any other systems without this Triomatic T10 main control panel.

# TRIOMATIC T30 FEED KITCHEN

*Feed kitchen with storage bunkers*



## FEATURES OF THE TRIOMATIC T30 FEED KITCHEN

The Triomatic T30 feed kitchen has one or more feed bunkers, with the number depending on the number of coarse feed ingredients, and is suitable for all types of feed (max. 15 cm long). The storage bunkers are made of stainless steel and are simple to fill using a silage cutter. The feeding robot collects the feed from each bunker based on the pre-programmed quantity. The bunkers are completely hydraulically driven and have a capacity of 18 m<sup>3</sup> each. Their special design means that the feed that was loaded first is also used first – the so-called first in, first out principle. Depending on the feed quality and the weather conditions, the storage bunkers need to be filled once every two days on average.





## TECHNICAL SPECIFICATIONS FOR THE TRIOMATIC T30 FEED KITCHEN

Suitable for all types of feed

Features of the Triomatic T30 feed bunker		
Capacity	18	m <sup>3</sup>
Length	6,50	m
Width	3,03	m
Height	3,71	m
Minimum required feed kitchen depth	8,10	m
Minimum required feed kitchen height	4,00	m
Minimum feed kitchen access height*	4,00	m
Maximum loading capacity (depending on type of product)	10.000	kg
Maximum feed chop length	15	cm
Required electric connection 3-phase*	3x32	A
Required voltage	400	V~
Required frequency	50-60	Hz

\* Variations upon request

# TRIOMATIC T40 FEED KITCHEN

*Feed kitchen with feed floors*



## FEATURES OF THE TRIOMATIC T40 FEED KITCHEN

The Triomatic T40 feed kitchen is a combination of one or more feed floors, with the number depending on the number of coarse feed ingredients. These feed floors are easy to load using a silage cutter but the system is also suitable for round or square bales of silage, hay or straw. The cutting unit has two circular knives that cut the feed up evenly, leaving a compact feed structure. Thanks to the simple technology of the circular cutting knives, the system uses little energy: only 0.5 to 1.0 kWh per load. This represents a saving of 50% compared to other systems. The cutting unit is fitted with an automatic cleaning system to prevent the feed from caking. In the Triomatic T40 feed kitchen, the feed can be stored for 3 to 5 days because the feed remains in solid form and so can be kept for longer.



## OPTIONAL

**A range of options can be added to all Triomatic feed kitchens:**

- *Tower silo control systems, liquid dosing systems, etc.*
- *Stainless-steel mineral mixer unit with elevating auger for powdery products such as minerals, chalk, etc.*
- *Stainless-steel auger discharge bunker with agitator, cross and elevating auger for wet, loose and corrosive by-products such as brewer's grain, sugar beet pulp, potato pulp, CCM, pellets, cereals, etc.*
- *Software connections to TFM Tracker feed management software or Delaval Delpro*



Suitable for silage blocks and square or round bales

## TECHNICAL SPECIFICATIONS FOR THE TRIOMATIC T40 FEED KITCHEN

Features of the Triomatic T40 feed kitchen		
Maximum number of feed floors*	8	
Feed floor length	6,25/7,60/8,90	m
Feed floor width (between the walls)	1,95	m
Height	3,60	m
Minimum required clearance in the feed kitchen	4,00	m
Minimum required feed kitchen depth	Length of feed floor +2,50	m
Maximum height of silage block or bale	1,80	m
Maximum width of silage block or bale	1,80	m
Maximum diameter/length of bale	1,60	m
Maximum load* per feed floor (depending on type of product)	15.000	kg
Required electric connection 3-phase*	3x32	A
Required voltage	400	V~
Required frequency	50-60	Hz

\* Variations upon request

## TRIOMATIC SOFTWARE AND CONTROLS



*In all situations, the Triomatic robot is in charge and controls the feed kitchen by sending signals via WiFi. A control panel with a 15" touchscreen is located on the rear of the robot. Feed, rations, groups and any sub-groups can be entered via this screen. The ability to program sub-groups is particularly important for beef cattle farms. The settings are also accessible over the Internet from a computer, tablet or smartphone. It is also possible to set up a connection with management software belonging to third parties via the TFM Tracker feed management program.*

Any error messages are sent via text messages. You can then use a computer, tablet or smartphone to log in and resolve the malfunction remotely.

Rations and groups are programmed via the control panel on the robot



# TFM TRACKER FEED MANAGEMENT

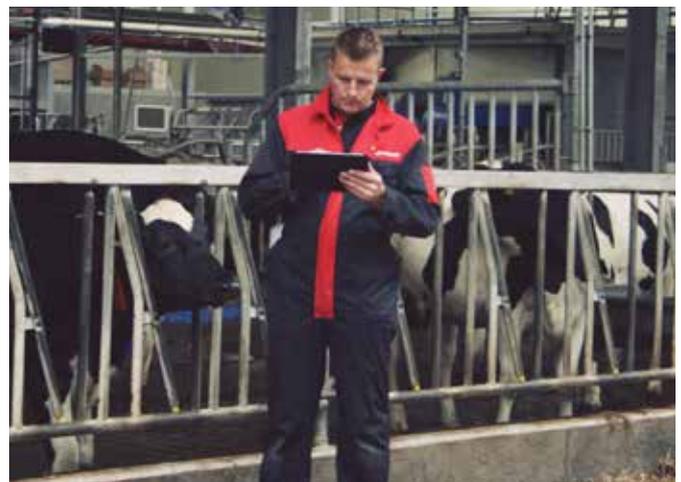
*Control your feed costs*



*It has been suggested that there are three different kinds of ration: the planned ration, the loaded ration and the ration actually eaten.*

Research shows that the difference between these three can be as much as 20%, even among farmers who claim to feed accurately. There are often many gains to be made in this area. With a good feed management program, you can monitor your feed costs, the quantity of feed remaining, and your milk production or feed conversion rates. Our TFM Tracker™ feed management program comes in different versions and grades, from a basic program to a comprehensive Pro+ version, for both dairy and beef farmers. The program offers a complete solution for controlling feed costs and simultaneously improving feeding efficiency and milk production.

1. *TFM Tracker™ Dairy feed management for dairy farmers*
2. *TFM Beef Tracker™ feed management for beef farmers*





Do you know what your animals are eating?

### TFM TRACKER DAIRY

TFM Tracker™ Basic, the entry level version of TFM Tracker™ Dairy, is ideal for dairy farmers taking their first steps into feed management.

You can see at a glance how the actual amount of feed loaded and fed compares to the planned ration, so you know the exact dry matter uptake per cow. This allows you to make timely adjustments. TFM Tracker™ Basic is easily upgraded to Lite, Pro or Pro+.

### TFM BEEF TRACKER

The “TFM Beef Tracker” feed management system is suitable for beef farmers. With this program, feed curves (for example) can be programmed so that the rations are automatically adjusted every day. It is also possible to create a range of reports, including the feed costs incurred while your animals are kept indoors.



### FUTURE-ORIENTED **ENTREPRENEURSHIP**

*Bart Smolders is a goat farmer. With 1,200 dairy goats and 400 breeding goats, his business, VOF GeBaGeitenhoeve in the Netherlands, is a medium-sized goat farm. Bart Smolders runs the farm, which he took over from his parents six years ago, along with his wife Geertje. Smolders has a clear strategy for the business. Although growth is not currently possible, he decided a few years ago to adopt a future-oriented approach to business.*

In 2015, Smolders had a new barn built and increased his stock from 800 to 1,200 goats. He soon decided in favour of an automated feeding system. Bart Smolders: “Feeding is a labour-intensive daily task, and with five groups of animals it was soon taking 2.5 hours a day. After the expansion, I went from five to eight groups, and then feeding started to take up too much of my time.”

### THE TRIOMATIC EFFECTIVELY MIXES EVEN SMALL QUANTITIES OF FEED

For two years now, he has been operating a Triomatic T30 feed kitchen with four storage bunkers and a wheeled feeding robot on his goat farm. “The barn installation company advised us to use a Trioliet automated feeding system. I was instantly won over by the wheeled robot, which had just been introduced. I am happy that I didn’t choose any other system, although I was initially interested in another brand. No robot mixes as efficiently or discharges as equally and accurately as this one. Systems made by other manufacturers can usually only effectively mix and discharge rations of 250 kg or more. The Triomatic robot is able to handle much smaller mixes. This automatic feeding system is therefore very suitable for goats, in my opinion.”

The goats on the GeBaGeitenhoeve farm are milked twice a day and the average annual yield is approximately 1,300 litres per goat.

The ration consists of maize, grass, alfalfa, beet pulp and five types of concentrate feed. Once a day, Bart Smolders fills the four feed bunkers, which takes him about half an hour. For him, the biggest advantage is the reduction in labour. Smolders: "I have always been interested in accurate feeding, even before we commissioned the automated feeding system. This means that the benefits in terms of yield and animal health are less significant for me. Anyone who makes the transition from feeding with one basic ration to accurately feeding in groups using a feeding robot will really see a big difference in results. For me, the main advantage is the reduction in labour. We can now run the business with just 2 full-time employees, which is pretty significant."



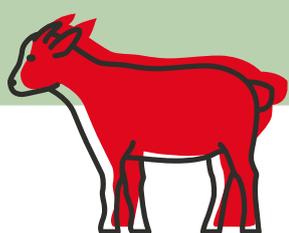
See also [www.automaticfeeding.com](http://www.automaticfeeding.com) for more information and testimonials from Triomatic users



**"WE CAN NOW  
RUN THE FARM  
WITH JUST  
2 FTES"**



*Bart Smolders | Goat farmer*



**1,200 goats**





### SMART SOLUTIONS

*Our mixer feeders are developed and assembled in our factory in Oldenzaal, the Netherlands. Quality and innovation are our top priorities, and there is a reason why we are famous for our robust machines with long lifespans.*

Every day, around 250 employees work to develop, improve and sell our feed systems both at our headquarters in the Netherlands and in the field, at home and abroad. About 85% of our machines are exported to more than 50 countries. You can find Trioliet feeding machines in places like Germany, the United States, Mexico, Uruguay, Chile, Saudi Arabia, France, Ireland, China, Norway, Russia and Australia, to name but a few.



## GREEN LABEL

Our aim in everything we design and produce is to be of service to the livestock farmer. Work lighting, time and fuel savings, a healthy herd and optimum mixing quality are just some of the priorities that we focus on. Naturally, we also pay careful attention to the environment and to living conditions. We award those products that make a significant contribution to sustainability with the Green Label quality mark. You can recognise the Green Label mark by the sticker on the feeding system.

In many ways, the Triomatic automatic feeding system contributes to a cleaner, healthier environment for both humans and animals. It doesn't use much power, and there is no need to drive a tractor into the barn with dirty tyres, unhealthy exhaust gases and high fuel consumption. More feeds can also be scheduled each day, meaning that there is a constant supply of fresh feed and the animals take in more nutrients. This results in healthier livestock, a happy farmer and an environmentally friendly business.



## ABOUT TRIOLIET



*Our feed systems are used intensively, which requires periodic maintenance. To be able to quickly service your requirements, we have an extensive worldwide network of dealers. They are ready to advise and assist as required.*

From our head office in the Netherlands, our own service engineers and fitters offer support to the dealers.

The central parts warehouse plays an important role in this. We are able to supply (spare) parts all over the world within 24 hours both from the head office in the Netherlands and from our warehouses in the United States and China. Our dealers periodically undergo training so they are always up to date with the most recent developments. Fitters and sellers come to our head office from all over the world for technical and commercial training sessions at the Trioliet Training Centre.





As you can see, we are a total supplier of premium feed technology. Every day thousands of cows all over the world are fed with our machines. In just over 65 years our family business has grown into a global player. We view it as our duty to provide sustainable premium solutions around the world for the mechanised and automated feeding of cattle on professional farms. That means that designing new solutions and optimising existing technologies are our highest priorities. We are able to offer made-to-measure solutions for cattle farms throughout the world. To do this, we draw on our extensive product range. We hope to be able to be of service to you too.

**Robert Liet**

A handwritten signature in blue ink, appearing to read "Robert Liet". The signature is stylized and fluid.



**TRIOLIET.COM**

Trioliet. Invents for you.

**TRIOLIET BV**

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