# Spend your time wisely

03

By automating repetitive work, you have more time for areas where you see opportunities.

# Smart feeding works

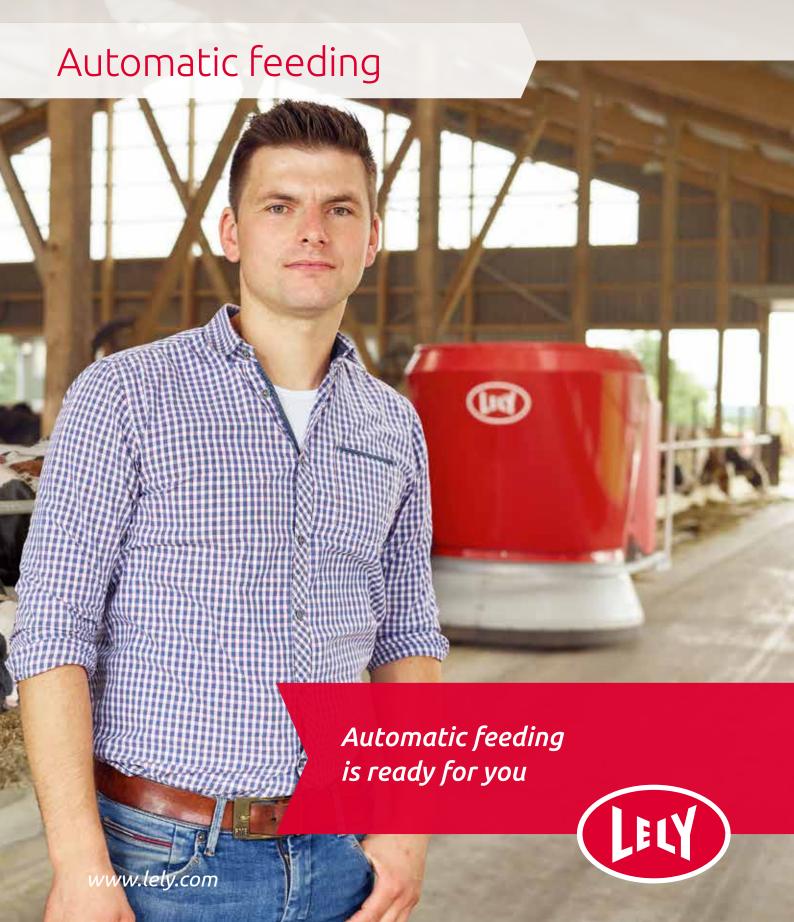
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Feeding cows a precise ration that fits to their nutritional requirements several times a day has a positive influence on animal health.

# The Lely Vector feeding system

07

How the Vector loads, mixes and doses the rations at the right moment for the right animal groups.







# Smart feeding works

Frequent feeding has a proven positive effect on overall cow health and milk yield. Mixing the right portions in the right quantities and releasing them just at the right moment requires knowledge, understanding and time. Automatic feeding and innovative equipment take over the day-to-day feeding of the herd, ensuring the utmost efficiency, while improving animal health.

#### Each group an own ration

Lactating cows have different nutritional requirements compared to dry cows and youngstock, and dry cows vary in their needs depending on their stage of progression. Ideally, a specific ration should be calculated for each group to achieve the best results. Automatic feeding makes it possible to load, mix and distribute small batches for small animal groups.

#### The importance of precise loading

Feeding to individual (group) needs means feeding precisely. This starts with the loading of the feed components. The more exact they are weighed, the more accurately the group of cows can be fed. Through smart and exact software, automation makes it possible load the correct weight per feed component very precisely. This assures a well-built ration. Every day regardless of the frequency, you feed the cows.

#### Good for rumen health

Frequent feeding leads to a stable pH level in the rumen and good rumen health. A cow gets more than half of its energy requirements from fatty acids left over from fermented carbohydrates. If the pH level in the rumen is low, these microorganisms become ineffective. Multiple, smaller meals per day keep pH levels stable, which means cows use the feed they eat more efficiently.

"The production increased with 3 Kg per cow per day just by feeding them more often."

"When we moved the cows to our new barn I fed them with a mixer wagon until the move of the vector was finished. During this period the production dropped with 3 Kg.

When the Vector took over the feeding in the new barn the production increased again. Thanks to this move, I can now say with certainty that the Lely Vector gives us 3 kg of milk per cow extra per day."

### Henk Vijverberg

France



Lely Vect

# Automatic feeding is ready for you

The Lely Vector takes a next step in automatic feeding. An evolution that has everything in it that we have learned since its introduction in 2012. With the experience of over 500 customers worldwide, we kept relied on proven practices, but also improved a large part of the system. The combination of the proven principles of automatic feeding and our focus on animal health, reliability and cost efficiency has resulted in an automatic feeding system that is ready for you.



# Storage for 3 days

The kitchen is an open space without obstacles where you can store multiple types of feed. Every feed type has its own location, which is easy to define and change. Proper ensiled roughage remains fresh for days because it is stored in blocks and there is enough room to stock feed for up to three days in advance.



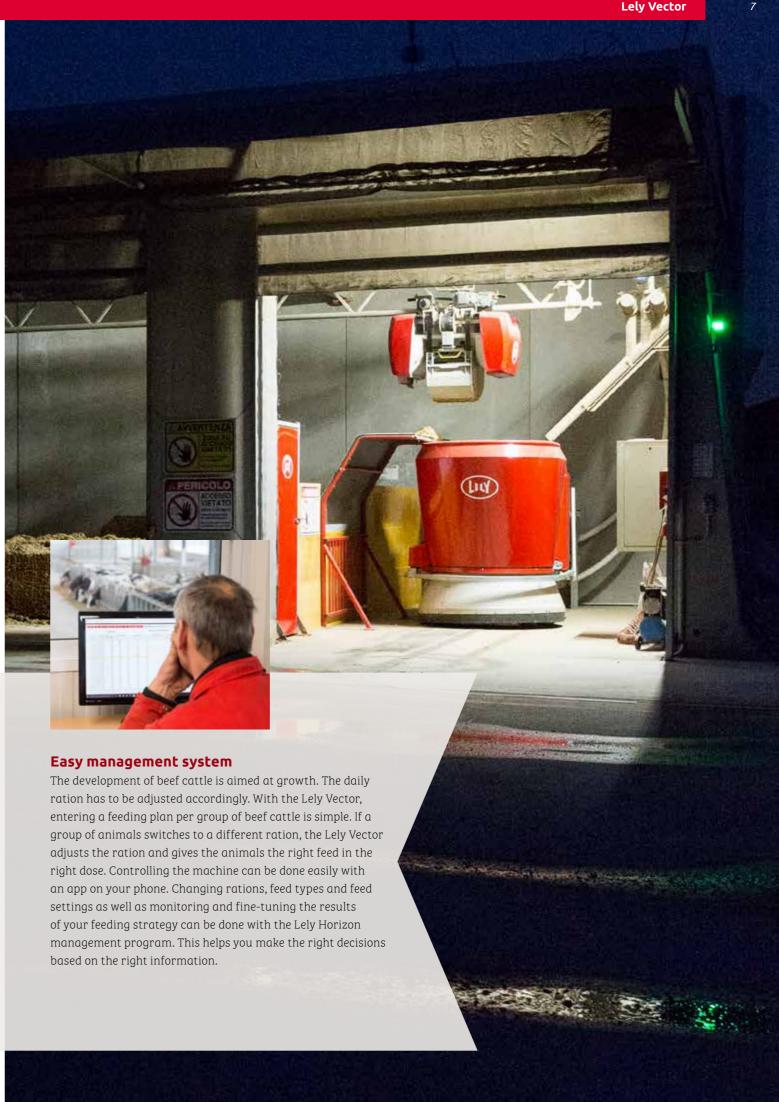
# Precise loading of all kind of feed types

The feed grabber or tower silos provide the opportunity to select all kind of feed types, even in small batches for small animal groups. The feed grabber always grabs from the highest point, estimates the weight and learns by itself how deep to grab the correct quantity. It loads the various components in the best possible order to decrease the time and energy that is needed for the optimal mixing result.



## Never too much or too less feed

During feed pushing, the Vector measures the amount of feed in front of the feed fence with a feed height sensor. Based on these measurements, the Vector loads the required ration and delivers it to the location in need of fresh feed. Feeding based on feed heights instead of feeding times prevents excessive or insufficient feed in front of the feed fence.



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