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Timely maintenance with the right wear parts

Consumables and wear parts



We care for daily needs that support a smooth and profitable operation on your dairy farm.



www.lely.com

*"If you take good care of your cows,
your cows will take good care of you."*



Gerrit Kooistra
Friesland, Nederland

"I enjoy working with healthy cows. I like that about our farm. A healthy cow for me, is a cow that looks at ease. And where you as a farmer have little to work on."

Lely care

It is all about adequate attention and care. Through optimal care for your Lely equipment, cows and milk, you not only increase profitability, but also pleasure in your work. Lely supports you in this with a comprehensive and customizable consumables and original wear parts portfolio.

We offer complete solutions that consist of more than just innovative machines. We also include technical support, farm management advice and the means to use these machines for years with peace of mind.

Lely delivers practically everything you need on a daily basis. Together we keep the cows and the machines in shape, while harvesting a tank full of quality milk. In this way, we work together with you on a dairy farm where work is done in a sustainable, pleasant and profitable manner.

For this, you can rely on a complete product offering for Milk care, Cow care and Machine care.

Lely Centers - 24/7 local support and expertise

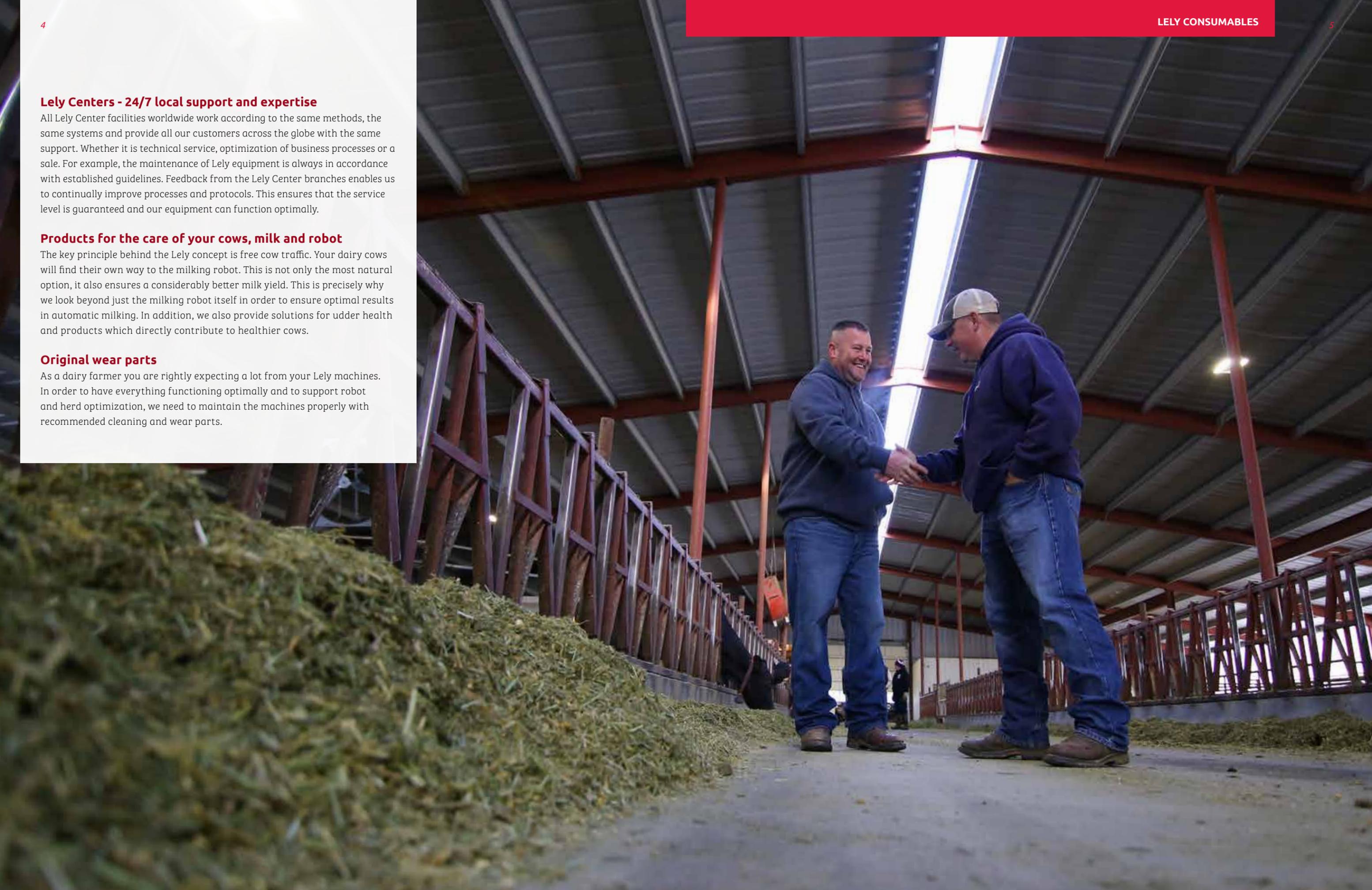
All Lely Center facilities worldwide work according to the same methods, the same systems and provide all our customers across the globe with the same support. Whether it is technical service, optimization of business processes or a sale. For example, the maintenance of Lely equipment is always in accordance with established guidelines. Feedback from the Lely Center branches enables us to continually improve processes and protocols. This ensures that the service level is guaranteed and our equipment can function optimally.

Products for the care of your cows, milk and robot

The key principle behind the Lely concept is free cow traffic. Your dairy cows will find their own way to the milking robot. This is not only the most natural option, it also ensures a considerably better milk yield. This is precisely why we look beyond just the milking robot itself in order to ensure optimal results in automatic milking. In addition, we also provide solutions for udder health and products which directly contribute to healthier cows.

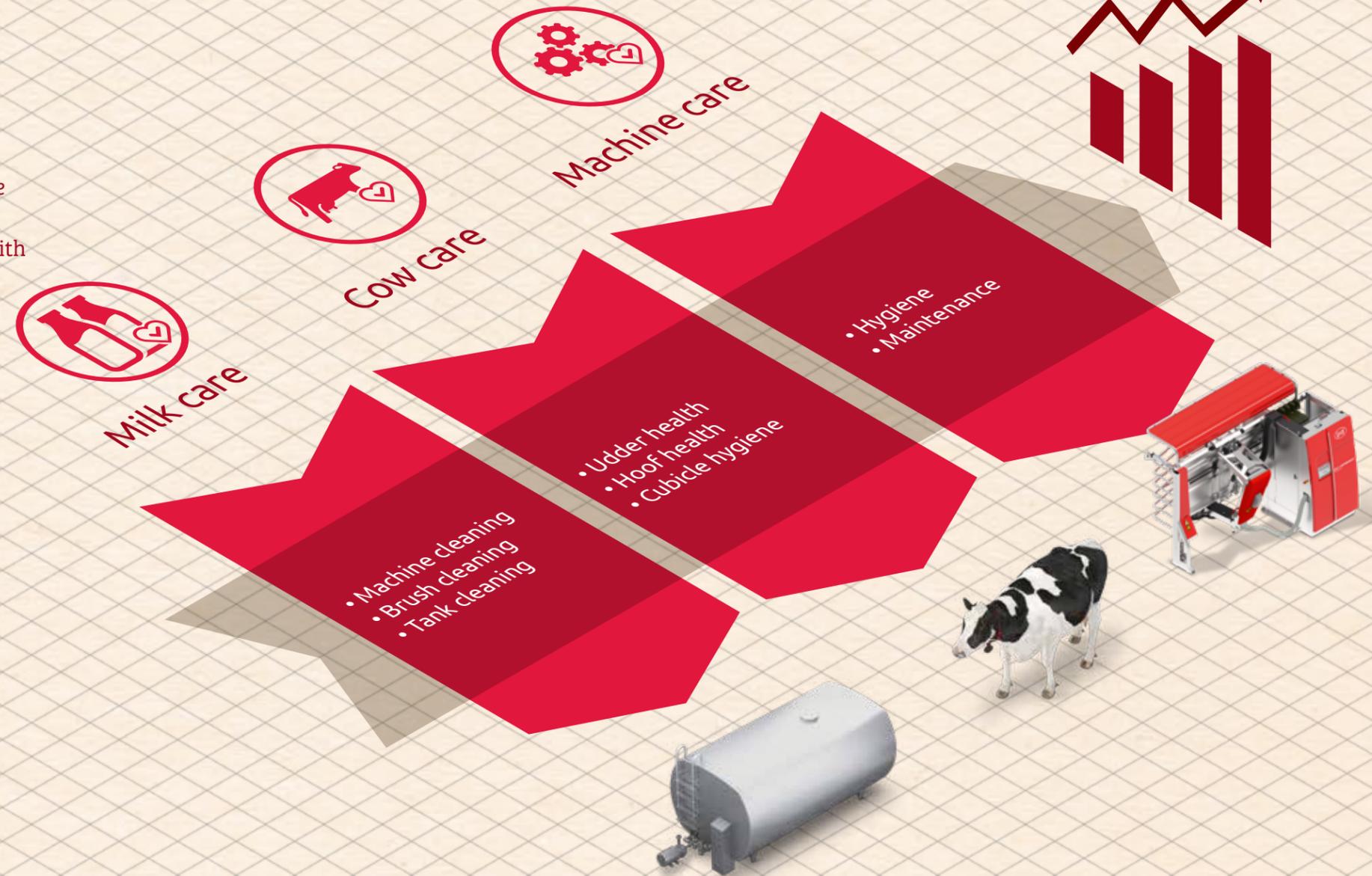
Original wear parts

As a dairy farmer you are rightly expecting a lot from your Lely machines. In order to have everything functioning optimally and to support robot and herd optimization, we need to maintain the machines properly with recommended cleaning and wear parts.



Optimal care for optimum results

Optimal care accomplishes optimal results. Caring for your machines, your cows and your milk. Lely gladly supports you in this with a comprehensive portfolio of consumable products and original wear parts, dedicated to these three care responsibilities. This is why you will find specific products for machine care, cow care and milk care. Only with the right tools, combined with correct maintenance, can you expect optimal results.



Milk care

All of your efforts are ultimately geared toward getting a tank full of quality milk. You strive to bring premium cows in perfect condition into the milking robot for the desired result. It is thus of utmost importance that the milk leaves the udder cleanly, with the least amount of germs, before entering the milk tank. The milk care products from Lely assist you in this. Lely has developed consumable products to keep the udder, robot and milking tank at its cleanest. Cleaning products that are 100% safe for your cows and machines, as well as effective in limiting bacterial growth.

Cow care

Your dairy cows will find their own way to the milking robot based on the free cow traffic concept. This is the very reason as to why Lely places attention on cow health. We understand the importance of healthy and mobile animals and their contribution to solid returns for your farm. This is why we develop comprehensive solutions such as disinfectants and caring sprays. This way, milk yield, milk quality and cow health go hand in hand.

Machine care

As a dairy farmer you rightly expect a lot from your Lely machines. To ensure everything is functioning optimally and without issues, machines need proper maintenance with the correct cleaning products and original wear parts. This enables your machines to function as expected. Lely machine care products support the longevity and optimize the functionality of your Lely robots.



Milk care

A full tank of quality milk

Milk that leaves the udder cleanly also needs to enter the tank cleanly. In order for this to happen, there needs to be hygienic cleaning throughout every link of the process. Lely helps you with its fully automated cleaning program and with consumables specially developed for the Lely milking robot. They provide excellent cleaning results and have been designed for safe use with the robot. Much like yourself, Lely aims for 100% cleanliness.

Throughout the chain

The Lely Astronaut uses heat cleaning to remove organic and inorganic soils. With temperatures starting at 200°F (95°C) and cooling down to 170°F (77°C), it is essential the cleaning products do not contain chlorine or other corrosive ingredients. This would cause corrosion and damage to the stainless steel parts of your robot. This is exactly the reason why Lely's cleaning products are chlorine-free and safe. The alkaline and acid products are used at fixed intervals in order to achieve optimal hygienic results. This allows you to keep your milk quality counts in check.

Good hygiene is essential for a clean and safe milking process.





Clean for quality

Robot cleaning

The Lely milking robot cleans itself three times a day in a fully automated manner. This needs to happen quickly and effectively in order to have as much time possible available for milking. This is why we opted for heat cleaning, where the cleaning products are entered into the robot in a flow at temperatures starting at >200°F (95°C). Twice a day the Lely robot is cleaned with an alkaline cleaner and once a day with an acidic cleaning product. All of the organic waste is removed using the alkaline cleanser and the inorganic waste with the acidic cleanser.

This very thorough cleaning, alongside replacing the filters three times a day, is an extremely good start for a tank full of clean milk. The cleaning products are designed to provide a thorough cleaning action and are 100% safe for the robot. For instance, they need to be chlorine-free, so the vulnerable and stainless steel parts of the robot are not harmed. The Lely cleaners and robots form a solid combination that can guarantee the hygiene and lifespan of the robot. That is why Lely expressly advises to solely use the Lely cleaners in the robot.

Brush cleaning

Lely ensures that every udder milked by the robot is thoroughly brushed. This makes for a clean udder and prevents cross-contamination. It also ensures that the soil load from the barn does not end up in the main milk tank. This means the brush itself needs to be cleaned each time to encourage sanitary results. For this reason, Lely has developed a brush cleaner, Astri L, that cleans quickly and thoroughly, is completely safe for the milking robot and does not irritate the udder. This brush cleaner is not only good for the dairy cow, but also for the robot and the milk. The original Lely brush cleaner guarantees optimal results.

Tank cleaning

Many causes of milk contamination can be attributed to issues that arise in the main tank. Main tanks are cleaned less often, generally speaking, as they can only be cleaned when they are empty. Due to the size of the tank, it does not use the same heat cleaning as the Lely Astronaut. To obtain optimal cleaning results, you need to use both alkaline and acid cycles consecutively. Lely offers many types of cleaning products for your main tank cleaning needs. They are tested for functionality and safety and ensure that the final link in your farms' processes are truly clean.



Ensure your milk quality with Milk care products



Lely Astri-LIN

Astri-LIN is Lely's own alkaline detergent for the milking robot. It safely and effectively removes all organic soils that can form a threat in safeguarding the hygiene. Astri-LIN does not foam and has an excellent cleaning effect on fat and protein residues that otherwise could be used as a breeding ground for bacteria. The cleaning product contains lime binders that prevents lime drip during cleaning.

Lely Astri-CID

Astri-CID label specific is Lely's own acid detergent for the internal cleaning of the milking robot. It removes all inorganic contamination that could pose a threat to hygiene. Lime, milkstone, iron and minerals are thoroughly removed to help maintain operation of the meters, the valves and the MQC-block. Astri-CID also contains corrosion inhibitors for extra protection of the robot parts. That's how Astri-CID contributes to improved hygiene when used with high temperatures.

Lely Astri-L

Disinfecting of the brushes must be very thorough. The product that disinfects should not irritate or negatively affect the udder and leave no residue on the brushes. These are very specific demands for the cleaning product. Lely's Astri-L brush cleaning ensures a quick disinfection and are 100% safe for the udder.



Cow care

Healthy cows for a healthy business

Healthy cows are essential for farm business management. While your cows' immunity is an important part of herd health, fertility, hoof and udder health are also crucial components. Premature culling is having a huge effect on the overall productivity of dairy cows. Two main contributing factors to premature culling are udder health and fertility problems, with udder health being the most serious.



The best care for udders



Essential products for cow health with cow care

Udder care

Udder health plays a huge role on every farm worldwide. Diseases such as mastitis can have serious financial consequences for you as a dairy farmer and can make your job more stressful. The impact of mastitis has its effects through lower milk production, veterinary costs and the possibility of a reduced milk price if you exceed your SCC limits. By using the correct udder care products, ones that are perfectly attuned to your set-up and the robot, we can guarantee the spray pattern of the care products and largely prevent bacteria. Udder health, however, depends on many different factors. Your Farm Management Support Advisor will examine all aspects of your farm with you, including your herd's immunity, hygiene, climate, feed and milking patterns. Together, we will develop a plan of action.

Good hygiene

Lely's udder care products are aimed at prevention and stops cross-contamination so that we stay in charge of mastitis with you. The Lely product offering, both in combination or as stand alone, contribute to good udder health and thus a healthy milk yield.

Caring vs. disinfecting

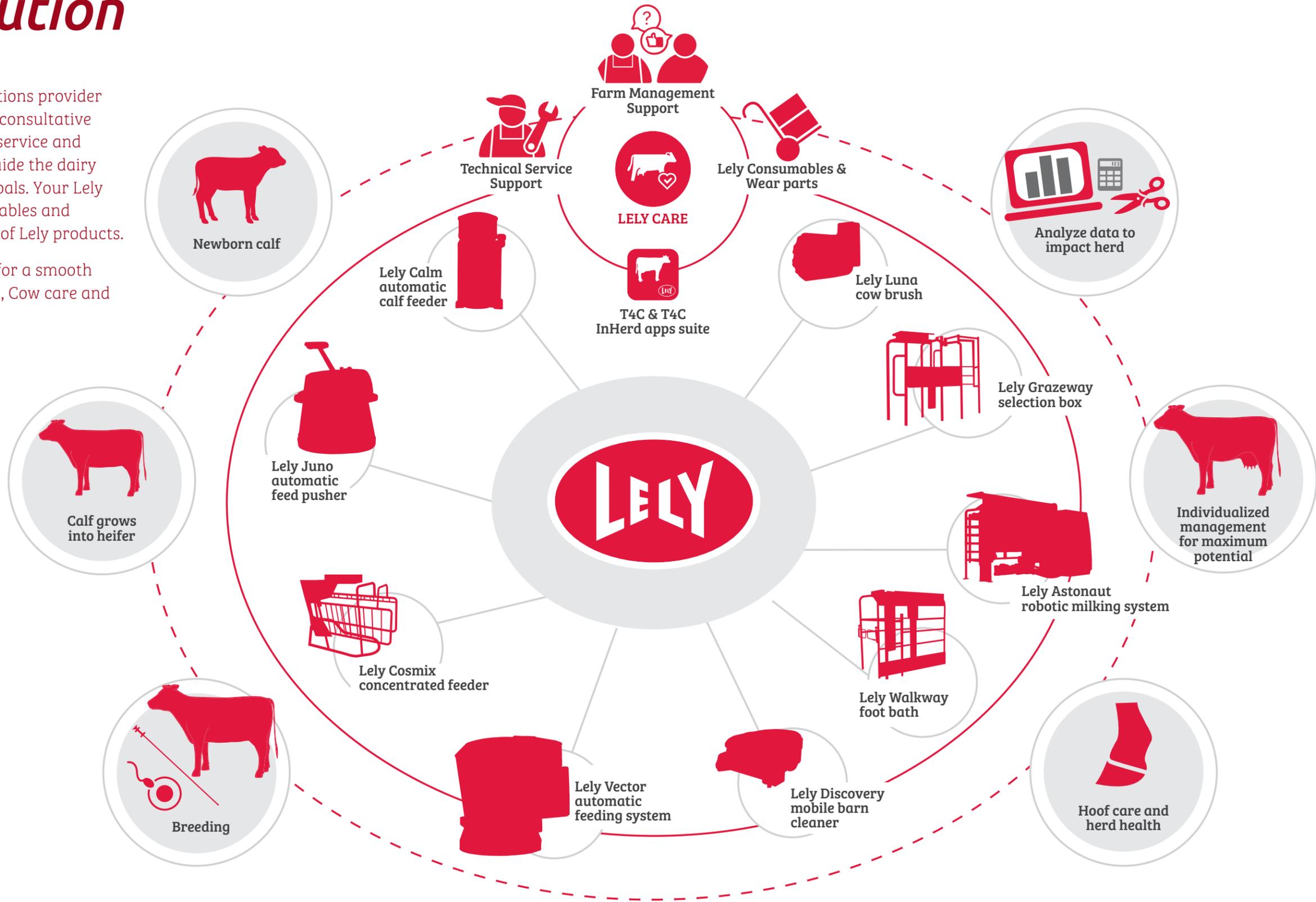
Lely offers iodine/peroxide based udder care products. Part of our udder care range uses a lactic acid base and the other part is iodine based. The purpose of the products are, on the one hand, on the udder to disinfect, and on the other hand for caring effects. Some of these products focus more on disinfecting and others more on caring. The right product for your herd will vary per situation. Given the intensive use of resources, the type of product choice is very important. We are happy to support you in your decision.

Lely Total Solution

Lely aims to be the dairy producer's total solutions provider of innovative machines, in-field expertise and consultative management. With the guidance of technical service and farm management support, Lely specialists guide the dairy producer to meet each operation's personal goals. Your Lely Center supplies an extensive range of consumables and original wear parts to maximize the potential of Lely products.

Lely gives you what you need on a daily basis for a smooth and profitable operation through its Milk care, Cow care and Machine care products.

The way to dairy.™





Machine care

100% Uptime with your Lely equipment

Whether you own a Lely Astronaut, Lely Juno, Lely Vector or a Lely Discovery, these robots deserve proper maintenance not only because they are most likely the hardest working 'employees' on your dairy farm, but more importantly because they are a long-term investment and require the best care. Lely is here to support you in your aim for both 100% uptime and a long lifespan. Lely would like to support you in this. We offer products to clean both the outside and inside of robots, preventing excessive wear and tear.

Specially developed

There are parts of the robot that are subject to daily wear and tear that you can easily replace yourself. For example, replacing the brushes and liners is very straight forward because Lely's original replacement parts are a perfect fit for your robots. Using these parts ensures that the robot keeps functioning as it did the day you started using it.



Cleaning

Foam concept

Due to its location, your Astronaut milking robot is likely to get dirty. This can be a problem for proper function, for hygiene and your job satisfaction. This is why Lely has developed a foam cleaner Astri B and a matching foam unit that can get the Lely robots (and secretly a lot of other things) super clean. This product is yet another accomplishment by Lely—developing a product that on the one hand is active enough to properly deal with often heavy soiling and that on the other hand is mild enough not to harm the robot and the tubes.

Vacuum pump cleaner

The vacuum pump is a vital component for proper function of the robot. Due to the fact the pump is used intensively, build up can occur that can impact the way it works. In order to prevent this, the vacuum pump needs to be cleaned regularly. Up until recently, it was required to (get someone to) remove the pump from the robot. Lely has since developed a special vacuum pump cleaner that can clean the pump without requiring disassembly. A safe and effective tool to keep your pump in optimal condition.

TDS lens cleaner

The lens of the detection unit in the Lely robot is close to the cow to ensure that the connection of the teat cup is done fast and flawlessly. It is unavoidable that the lens will get dirty, slowing down or hindering the connection. This makes it vital to clean the lens regularly. For this reason, Lely has developed its own lens cleaner Astri TDS. This product is safe and fast acting, helping to prevent streaking and scratching of the lens. This is yet another way Lely contributes to problem-free milking.



Maintenance

For the daily maintenance of the milking robot, Lely delivers the components you can easily replace yourself. By this, we mean liners, brushes, tube filters, strings, milk tubes, duplo tubes and tube protectors. All other parts for your Lely robots are available to be ordered separately and as individual pieces for repairs or predictive maintenance.

Strings

The strings that pull the cups toward the arm after each milking may appear to be a secondary component to the milking robot. Appearances however can be deceptive. Lely has carefully thought about the design and quality of these strings and everything imaginable has been done to make sure they are not the weakest link. We chose string quality that works flawlessly in an environment full of moisture and manure. The string needs to be able to withstand kicks, so must be both elastic and water- and wear-proof. The Lely strings meet these demands. Using the original Lely strings rewards itself through problem-free robot use. Alternatively, if you use sand in your stalls or pens, Lely provides special chains to use instead of strings.

Teat liners

Teat liners are critical components that link the Lely robot and your dairy cows. The teat liner is of the utmost importance and needs to be tailored to the shape of your cow's teat and goals. Lely offers several silicone and rubber liner options. Lely knows its milking robots like no one else and knows which settings of the robot and liner best suits your goals. They also know that no two dairy cows are alike. It is important to choose the right type of teat liner that ensures all milk is quickly and carefully harvested from the udder. Lely teat liners have a consistent dimension and a very high-wear resistance. Your Lely specialist will gladly guide you to meet your milk harvesting goals through proper teat liner selection and setting the milking robot to optimize the capabilities of the herd. It really rewards you in your yield and the health of your herd to pay attention to this.

Brushes

Original Lely brushes can be distinguished by their red and white pattern. Both color bristles have their own thickness and hardness so they can work in tandem. Of course, the Lely brush has a cleansing effect and contributes to having a tank full of clean milk. The brush also has a stimulating effect that initiates the production of oxytocin; the hormone that acts as a neurotransmitter and stimulates the start of the milk production. By using the special brushes, you promote cleaning of the teats, ensuring optimal connection with the milking cup, while directly stimulating the start of milk flow. The Lely brushes were developed for these functionalities, but also for their wear resistance. They need to be replaced significantly fewer times than imitation brushes.

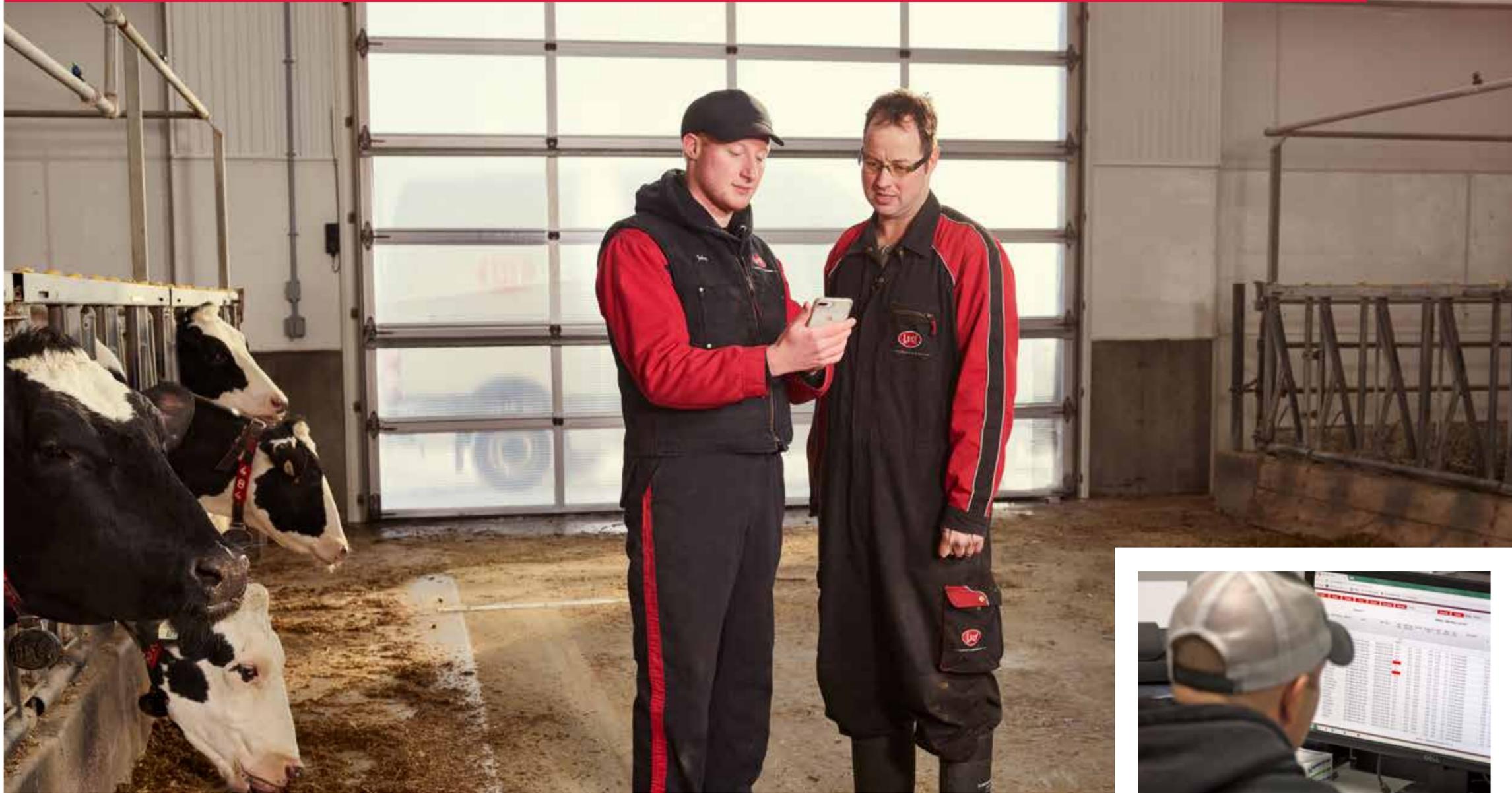


Tubes

The milk tubes transport the milk of your cows. For this reason, the tubes are made of premium silicone materials with a smooth surface. In doing this, we prevent the adhesion of bacteria and other pollutants to guarantee a hygienic milking process. However, tears in these milk tubes can negatively affect your milk quality. Due to the fact that the tubes of a Lely robot are in constant motion, this can happen. The duplo tubes and cover were specifically designed for this reason, making them less susceptible to wear. This cannot be prevented, but can be remedied. Lely delivers original tube sets that can replace the worn parts. These tubes were specially developed for this application and designed to be able to withstand the bending they experience during the process. It is essential to check the quality of the tubes regularly for the functioning of the robot and to replace them before problems arise.

Service and advice

It is about healthy animals, smooth-operating machines and a tank full of quality milk. To achieve this, it is important to care and pay attention on different levels. Through daily routines and timely maintenance in combination with the right products, you can contribute to this. However, you don't have to do it all by yourself. The service technicians from Lely are specialized in automation and are there to support you in maintaining your machine. For topics related to your business goals or the management software system, you can turn to the farm management advisors. They are the experts in the management software system T4C and the InHerd application that can convert data to goals tailored to your needs.



Technical Service Support - TSS

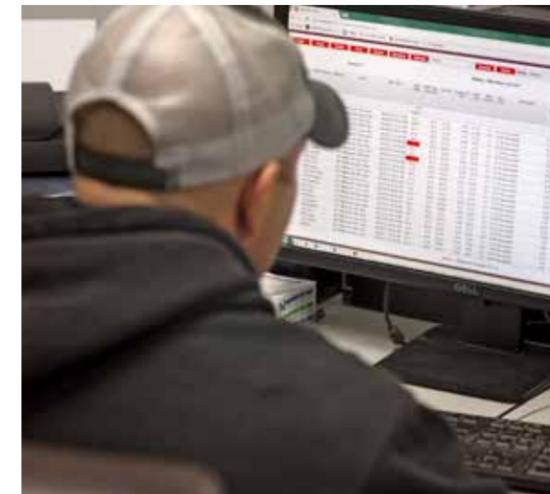
Whether for automatic milking or automatic feeding, you need to be able to rely on your machines all the time. Every day of the week, 365 days a year. With Lely's service technicians, you are assured optimum use of Lely products.

Through specialized training, experience in the field and often an agricultural background, they speak the sector's language. Every service technician works in their own region and knows the background, details of the farm and the equipment in use. This allows them to act quickly and makes them a reliable partner, giving you peace of mind and security. The Lely service technicians are always at your service.



Farm Management Support - FMS

Regardless of whether you are just about to make the transition to automatic milking and/or feeding, or you have been using our products and management systems on your farm for a while, you receive guidance before, during and after you start. Farming is in their blood and they have knowledge of local conditions. Their single goal is to optimize our barn concept at your farm, at your choice. Through them you have access to the knowledge and experience of farm management advisors from all over the world.



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