We live milk

⚠ DeLaval

Discover the latest dairy farming innovations

Prolong the effective lifetime productivity of your cows

Futureproof your farm for generations to come

Automation to maximise productivity and milk yield













We live milk.

We live milk is about commitment and customer focus, every hour, every day, every week, all year round. It is about having an unparalleled understanding of the needs of cows and the individual challenges faced by farmers, and having the solution in place to meet and overcome them. And it is about understanding that dairy farming is a business, and what is needed to make it profitable.

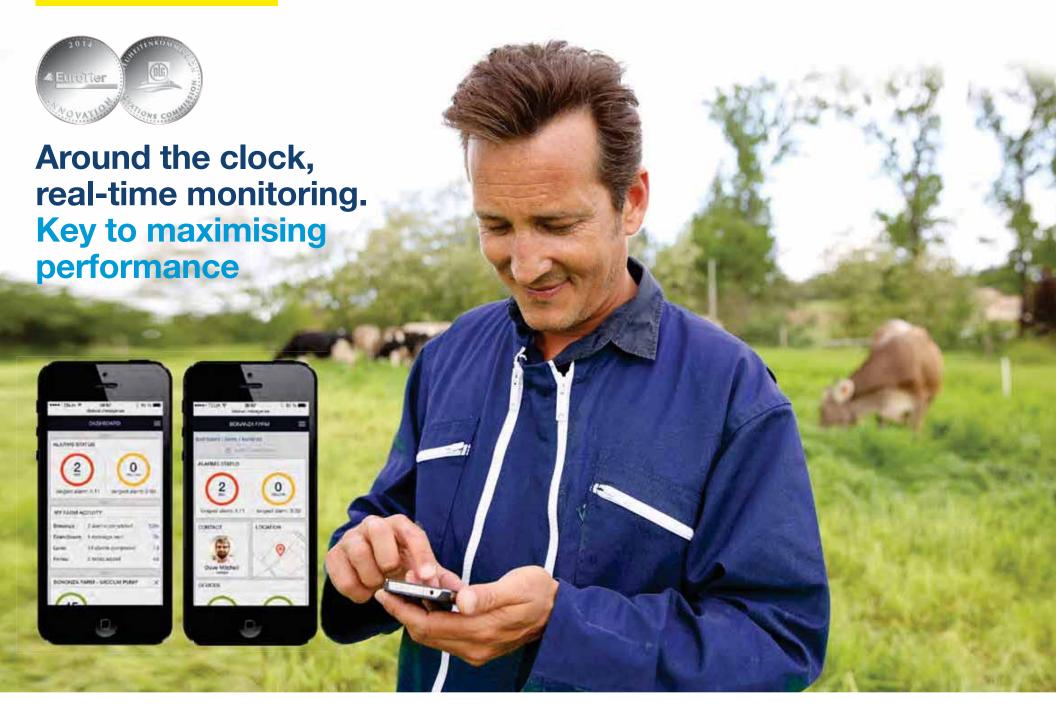
At DeLaval we live milk. In fact, some say we have milk running through our veins. That what 130 years as the leader in the industry does to you! We have and continue to devote all our energies, knowledge and creative problem-solving to making dairy farming more efficient, productive and sustainable. Today, we offer you the technology, products and solutions you need to improve milk yields, nurture healthier herds and create a stronger and more sustainable future.

At this year's EuroTier we will be showcasing a wide range of solutions that highlight our dedication to dairy farmers. You will find that innovation permeates through everything on the booth.

The latest innovations in milking excellence include DeLaval body condition scoring BCS, and the award winning DeLaval InServiceTM Remote, among other things. New innovative herd health and cow longevity solutions include the new DeLaval mini swinging brush MSB and DeLaval LED illumination. And, as part of our dedication to continued development of automation, we will be showing the latest integrated VMSTM system ranges as well as the automatic feeding system, OptimatTM.

Like you, we live milk.

DeLaval InService™ Remote





The system monitors equipment remotely 24 hours a day, 7 days a week, 365 days a year. The live data can be accessed via a smart phone or tablet enabling farmers to get the most from their assets.

InService™ Remote is modular and possible to upgrade with more sensors over time.



Correct vacuum and pulsation contributes to maximising yield and maintaining good udder health.

Reliable and efficient pulsation helps to optimise throughput.

Proactive maintenance keeps the system performing at its best.

How does it work?

- Sensors are installed on vacuum systems and pulsators
- InService[™] Remote monitors performance remotely 24/7
- Data and alarms are distributed via the cloud
- Push notifications are set to reach both farmer and DeLaval
- System can be accessed via desktop, tablet or smart phone

We live milk. Continued development of automation is about providing groundbreaking products and solutions that drive down the cost of ownership and future proof farms for generations to come.

DeLaval DelPro™ Farm Manager

Every day, there are hundreds of decisions to be made on the farm. Decisions that no matter how small, will have an impact on the overall health of your herd, the quality and quantity of milk produced and the profitability of your operations.



DelPro™ Farm Manager brings the different elements of your dairy farm – milking, feeding, animal health, reproduction, and labour management – together in one centralised farm management system. DelPro™ Farm Manager offers unrivalled data storage and reporting and analysis tools that simplify the day-to-day decision making process on dairy farms. Features include everything from the production of automatic vet lists and herd and milking system summary reports to timed artificial insemination and feed ration calculations.

Efficient performance and manpower

No matter whether you have 50 cows or 50,000 cows, ensuring time spent on the farm is used efficiently can make a big difference to your operations.

Successful breeding

Growing your business means having an effective and successful breeding programme.

Quality milk

At the end of the day your efforts come down to your ability to produce the greatest amount of high quality milk in the most efficient manner.

Features available in DelPro™ Farm Manager include, among other things: Vet lists, timed Al protocols, vaccination protocols, animal history data storage, herd events summaries, individual animal lists, herd summaries, historical report items, group reports, device reports, labour reports, milking system performance reports, culled animals history, auto ration calculations, estrus reports, milk volume and quality recording.



Effective feeding

Effective feeding is one of the foundations of your dairy farming operations. Not only does it account for a large percentage of annual costs. DelPro Farm Manager has been designed to help ensure you get it right.

Improved herd health

DelPro™ Farm Manager provides you with much of the data you need to run your operations proactively rather than reactively.

DeLaval Optimat™



Integrated to cut costs

and boost yield.





Stationary mixer

With capacities of 8m³ to 22m³, these robust mixers have a precision scale that can be programmed with feed recipes. The mixer augers, powered by an electric motor, efficiently cut and blend different feedstuff into a consistent, fluffy and palatable mix. This helps prevent cows from selecting the more tasty components.

Buffer tables and feed conveyor

With DeLaval Optimat™ system, the only feed-related work you need to perform is loading the buffer table once a day (depending on farm size and type of buffer table). Once roughage is loaded, the buffer table automatically moves whole blocks to the built-in shredder. The shredded feed is then loaded onto a conveyor for subsequent distribution to the mixer and then onwards into the distribution wagons. An Optimat™ system can include one or several conveyors.

Distribution wagon

Dedicated to distribution, DeLaval forage and feed wagons are reliable and accurate. Simply programme in the feed times, feed quantities and groups of cows to be fed, and the wagons take care of the rest. Available in a range of sizes – from 1,6 m³ to 3,7 m³ – DeLaval wagons can distribute cut roughage or pre-mixed feed up to 65 feeding sessions per day.

Feedtech™ silage inoculants Reduce shrinkage and cut your feed costs

- Feedtech™ TMR stabilizer
- Feedtech™ F400
- Feedtech™ F22
- Feedtech™ M25AS

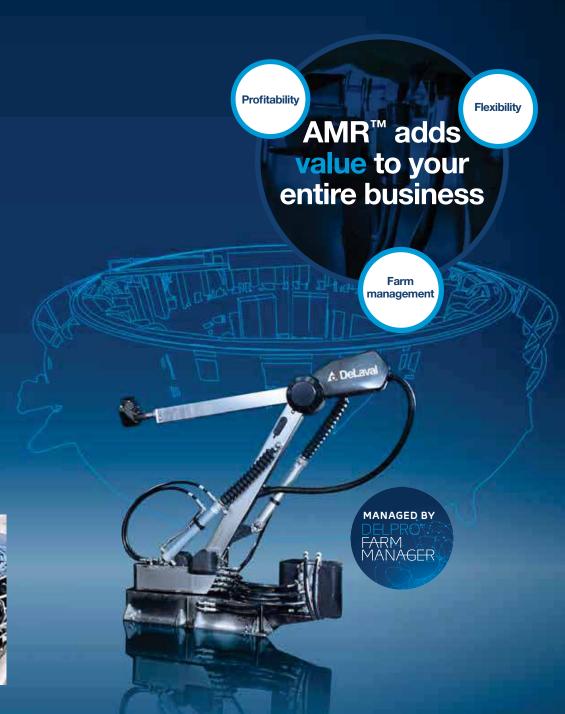
DeLaval AMR™ High capacity automatic milking for large herds

DeLaval AMR™ represents the next step of automation for large herd dairy farming. It provides the needed flexibility that larger farms require to milk cows several times per day at a very cost efficient level.

Let AMRTM take care of the milking and dedicate your time to more value adding tasks around the farm like cow welfare, udder health monitoring, reproduction and nutrition improvement. The AMRTM gives you the opportunity to produce more milk at your farm with considerably less labour and also make your farm a more attractive work place.







Three levels of Perfection Discover the new range of VMS™ systems from DeLaval.





DeLaval VMS

The ultimate milking system delivers up to 3,000 litres of milk per day.



DeLaval VMS™ with OCC

The ultimate milking system providing accurate udder health monitoring.



DeLaval VMS™ with Herd Navigator™

Focus on the cows that need attention. Save time and increase profitability with the ultimate milking system.

At DeLaval we believe that every dairy farmer should be able to take advantage of the benefits on offer from automatic milking. That's why we have added two new models to the VMS™ range.

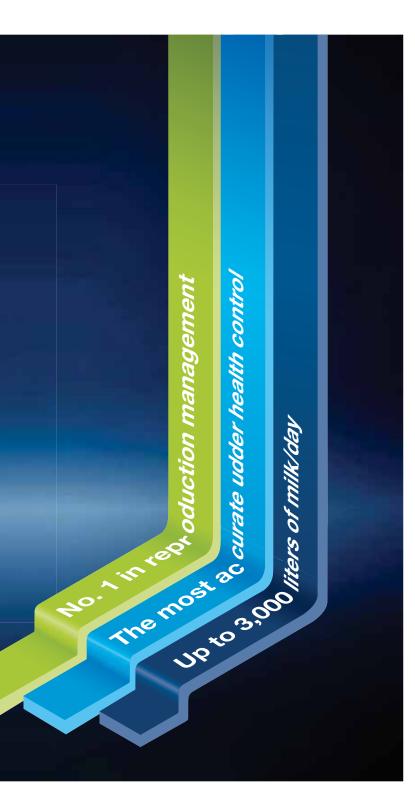
As well as the VMSTM station you can choose from VMSTM with OCC and VMSTM with Herd NavigatorTM. These offer unique herd health and reproduction features while ensuring you harness maximum milk output from your herd. What's more, because we know your situation can change over time, you can upgrade models as and when it suits you.







Keep your system running smoothly and effectively with VMS approved products.



DeLaval adaptive flow controlled cooling AFCC

Keep it cool

The nature of automatic milking – a reasonably consistent flow of small quantities of milk – has thrown up new challenges for cooling. To counter this we have developed a range of VMS specific cooling solutions.

DeLaval adaptive flow control cooling AFCC uses cooling capacity control that automatically adapts to the amount and temperature of milk in the tank, to minimize cooling time and to eliminate milk freezing risk. Milk quality is protected in energy friendly way.



The power of knowing

- Automatic and accurate SCC measurement
- Smart sampling logic of the right cow, at the right time
- Get a 7 days average SCC overview of your cows
- Manage the SCC contribution of each cow to the total herd SCC
- Get notified (via our App) if a cow exceeds a limit
- By better knowing your cows, reduce the use of antibiotics
- Decide on the best dry-off treatment
- Potential to help you increase herd production







AgroFarm 2014
Best Product

Moscow, Russia 2014 Beltrami Prize

Cremona Fair, Italy 2013 Agrarfuchs
Innovation in
Agriculture award
at Agraria Austria, 2010

Inel d'Or for milking equipment

at La France Agricole, 2010

Gold Trophy at Paris SIA, 2009

Golden Hoof at Brussel's Agribex, 2009 New Product
Europe award

at Agromek
Denmark, 2008

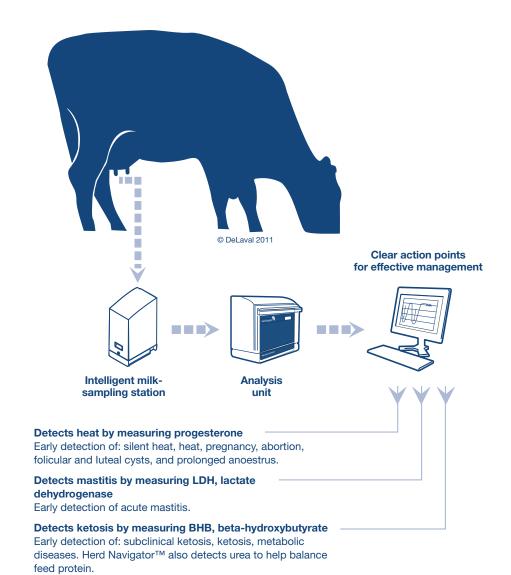
Herd Navigator™
from DeLaval
Everything you need
to know about your cow



Forget guesswork. Forget averages. A healthy cow is a profitable one. You can earn more by boosting your herd health with Herd Navigator™ from DeLaval. Herd Navigator™ is the perfect complement for both DeLaval VMS™ voluntary milking system and parlours. Improved heat detection and less mastitis and ketosis are what you can count on!



For more information, please visit your local DeLaval website or www.delaval.com





We live milk. Innovative milking excellence is about going the extra mile to ensure you can extract maximum milk yield, as efficiently and effectively as possible.



Put the PLUS+ in your farm



A- DeLaval



Optimal performance is about getting the details right. At DeLaval we help you achieve this by ensuring that cow traffic runs smoothly, your milking equipment is performing optimally, and that milking is fast and effective.

This way you maximise throughput and milk yield while minimising your costs per litre of milk.

Advanced milking technology from DeLaval ensures your milk remains fresh and at peak quality, from the moment it leaves a cow to the time it leaves your farm.

This way you should get premium prices for it.

Effective herd management means having the right tools and processes in place and combining them to ensure your cows have a healthy and productive life.

If you do this effectively you will reduce insemination, vet and feed costs, while at the same time, increase productivity and milk quality.

DeLaval teat spray robot TSR



DeLaval teat spray robot TSR sharply cuts labour costs

Many of today's dairy farmers are looking for productivity gains to maximize the quality of milk production and maximize profitability. Labour issues are very real from both an availability and quality perspective. A robotic solution that automates the benefits of post teat-spray application while reducing labour, is proving to be very effective in addressing these challenges.

DeLaval TSR can spray each teat individually. The benefits with this kind of accuracy are threefold:

Accuracy

Each teat is given a thorough coating of protective spray.

Consistency

Teats are sprayed in exactly the same way, time after time.

Optimization

Consumption of teat spray is optimized.

DeLaval teat spray robot TSR is fast. Spraying as many as up to 400 cows per hour with the same high accuracy over and over again. See DeLaval TSR in action on YouTube: www.youtube.com/watch?v=oLJjVH0DgPM

As a stand alone system
DeLaval teat spray robot
TSR is a system which can
be installed in new rotary
installations as well as in most
existing rotary installations."



Put the PLUS⁺ in your rotary

DeLaval rotary milking systems are renowned for high throughput, operating efficiency and cow comfort. With the introduction of Rotary Plus+ we are taking dairy farming to the next level.

Put the Plus in your rotary.

DeLaval herringbone rotary HBR

Ready for future herd expansion Herringbone rotary HBR



An HBR can even be run by a single operator making it ideal for family-run dairy operations or operations where labour costs are high. The powerful performance of the HBR also means it is well suited to farmers looking to expand their herd without needing to expand their workforce.



DeLaval parallel rotary PR3100HD

DeLaval parallel rotary PR3100HD



A parlour that combines unique engineering with cow comfort and operator efficiency. It enables you to milk your large herd around the clock, in a calm environment, with excellent throughput and milk production. **DeLaval parallel rotary PR2100 and PR1100**

DeLaval parallel rotary PR2100 and PR1100



PR2100 and PR1100 provide all the benefits of rotary milking, with a significant extra benefit – each rotary is configured to suit the individual requirements of each farm. Your rotary will be tailored to fit your farm.







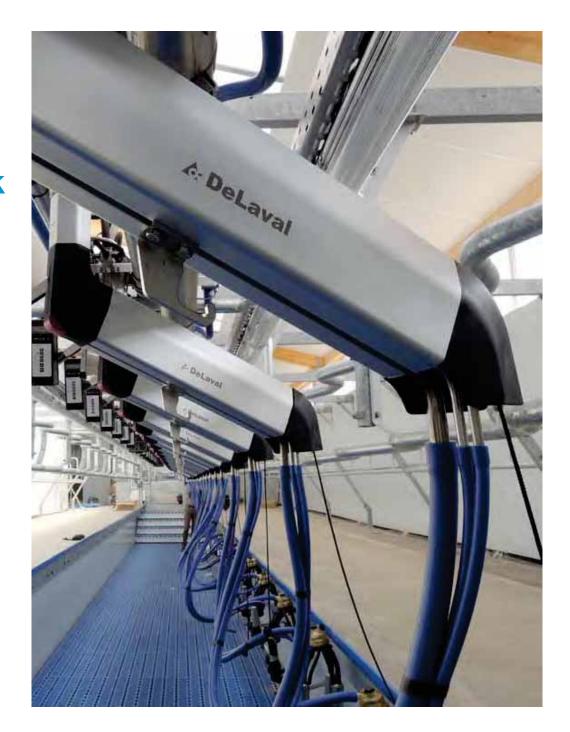
DeLaval MidiLine™ swingarm MSA30 Compact and sleek -top notch design

The new DeLaval MidiLine™ MSA30 improves milker comfort and working efficiency – resulting in less stress on milkers and labour saving.

It provides optimal cluster alignment in a swing over parlour for more even milking and excellent udder health. DeLaval MidiLine™ swingarm MSA30 incorporates an ACR cylinder, milk and air tubing, comfort start and indicator lamp into a single sleek aluminium design. It integrates nicely with any DeLaval milking point controller, cluster and the new modular support infrastructure.

DeLaval MidiLine™ swingarm MSA30 - A tidy solution valued with pride and modern design.





DeLaval cluster support arm CSA20



DeLaval cluster support arm CSA20 Ergonomics at its best!

Practical and clever for high quality milking performance. The new cluster support arm CSA20 combines a slim functional design, improves milkers ergonomics and milking performance into one solution.

It is like a helping hand: with its multi-joint design, it mimics the human arm following the movement of milkers as they guide and support clusters to and from the udder. Due to its smooth flexible action, DeLaval CSA20 is able to follow every small movement made by cows during milking. Thus enabling optimal cluster positioning that leads to better milking performance and/or more milk.

Upgradable since it can be installed on existing herringbone parlours and HBR rotaries.





DeLaval milking point MP170 Less is more!

DeLaval milking point MP170 is the simple step to Herd Management.

Milking point MP170 is the brother of MP150 and the logical step forward after take offs. It's the way to collect yields and cow numbers and built an accurate database to help you managing your herd in a simple way using ALPRO™ herd management software.

With DeLaval milk meter MM27BC it helps protect udder health llimiting the risk of mastitis & consequently veterinary costs, loss of income & fertility problems. Although the design (One button- One Led) is very simple, the MP170 offers a smart user interface with plain feedback to the milker.

DeLaval MP170 - The perfect mix for milkers between maximum throughput and on-spot information and knowledge.





DeLaval Harmony™ Clover edition The best got better

Since DeLaval introduced the Harmony[™] cluster 20 years ago, it has gained a reputation of very highest performance milking as well as being one of the most hygienic, durable and easiest to use clusters on the market.

Highest performance milking

Patented DeLaval Top Flow technology enables ultrafast milk evacuation by laminar flow through the unique centre-pipe. This keeps the claw clear from flooding and ensures high vacuum stability, while protecting milk quality. Harmony™ copes easily with high milk flows – up to 15 litres per minute.

Maximise udder health & milk quality

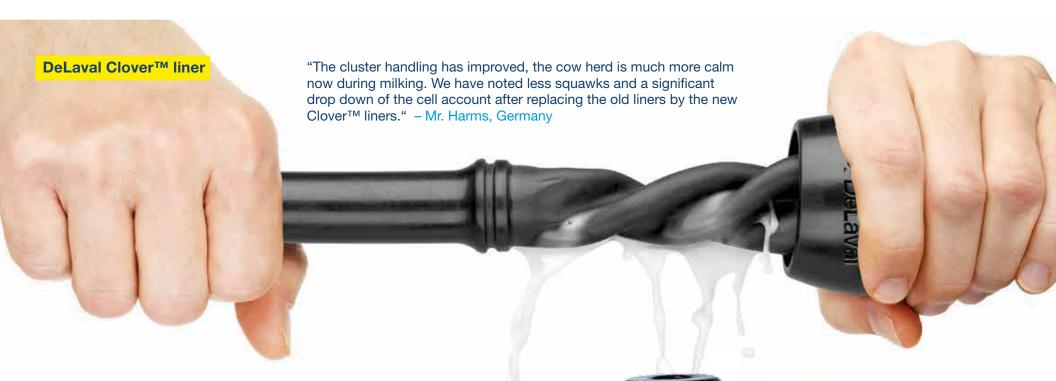
DeLaval Harmony™ unique top-unloading claw combined with large-diameter, free-flow DeLaval Harmony™ combined with DeLaval Clover™ liner, provides maximum teat gentleness ensuring optimal udder health. The claw and liner design ensures that unwanted teat washing, milk plugs and cross-flows do not occur as it can be seen on some standard nippled claws. The DeLaval Harmony™ combined with DeLaval Clover™ liner is the perfect match to ensure superior udder health and cow welfare.

Work-life ergonomics and long-life economics

The Harmony[™] is light, perfectly balanced and easy to work with, as well as being rugged, durable and long lasting. Harmony[™] has been shown to reduce milkers' workload by up to 50 % during milking. It is just a very easy and fast cluster to attach!

Harmony[™] combined with Clover[™] liner - The best got even better





DeLaval Clover™ liner The gentle liner that delivers

The new Clover[™] liner from DeLaval is the first liner of its kind. The DeLaval Clover[™] liner delivers both gentle milking as well as high performance, unlike other liners which may make you choose between one or the other.

Better teat end health Full contact & grip

Superior milking performance



Designed for average teats. Medium liner head.

DeLaval Clover™ liner 20M-EX

Designed for average teats and wide udders. Medium liner head and extended short milk tube.

DeLaval Clover™ liner 20S-ST

Designed for average to short teats. Small liner head and short mouth piece depth. We live milk. Innovative longevity is about ensuring the best practices are utilized in order to prolong the effective lifetime productivity of your cows.

DeLaval body condition scoring BCS



Introducing DeLaval body condition scoring BCS. Daily, automatic scoring of your cows.

Body condition scores are often used as a critical measure of how effective feeding is on a farm. Therefore it needs to be done accurately and at specific times in the lactation cycle. If you know the body condition score of your cows you can plan your feeding to ensure they have adequate body fat reserves, which promotes milk production, reproductive efficiency and cow longevity.



The main benefits with DeLaval body condition scoring BCS

Precise feeding

With regular updates of your cows' body condition scores you can plan and optimise feeding to ensure your cows have the ideal body condition for the current stage in their lactation cycle.

Better cow health

Consistent and accurate scores act as an early warning system if a cow deviates from the ideal body condition score curve. Any deviations can be acted on sooner to reduce potential veterinarian and nutritional costs.

Improved breeding and calving

Regular score updates can be used to ensure cows have the ideal condition at insemination and calving. The right body condition throughout the pregnancy can eliminate calving and post calving problems, while ensuring calves have an ideal start to life.

Increased milk production

Keeping your cows at the ideal condition during lactation will help ensure maximum milk yield. With regular updates you can ensure they follow the ideal body condition curve.

More time for other tasks

Automatic body condition scoring eliminates the need for manual scoring. This means you can use your time to carry out other important tasks on the farm.







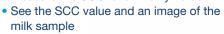
DeLaval cell counter ICC



Mobile Mastitis Detection DeLaval cell counter ICC

Somatic cell count is one of the key indicators of cow health and has a major impact on your milk production and on farm costs. Now with the DeLaval ICC you have instant information to take decisions related to the profitability of your herd. Fast, reliable and easy to use the DeLaval ICC gives you a tool to manage the health of your herd.

- · Fast and easy cow side test
- Measure the SCC level in only 45 sec





Monitor SCC levels to:

Detect sub-clinical and clinical mastitis cases

Monitor the treatment progress of mastitis cases

Improve udder health

Reduce herd SCC level to ensure premium payment for milk



Sample on quarter or full udder



Insert cassette



Call the veterinarian!



DeLaval Cow LED CL6000/CL9000



The first and only barn illumination lead by the needs of cows rather than the requirements of people. As cows and humans have different capabilities in detecting various wave lengths in light, this new design is founded on this distinction.

The cow LED has two main functions:

1) A white light configured for cow vision on one side 2) a white light configured for the vision of a farmer. This enables a farmer to work in sufficient light without impacting the physiology of the cows and indirectly affecting milk production. Being able to switch between these two different functions and by tailoring led lighting to the visual needs of both cows and people it also means a more environmentally friendly solution for a dairy operation.



Right light distribution, which-boosts milk production and secures cow comfort.

It creates significant savings on maintenance costs due to the durability of LED lights.

The right colour mix and batwing distribution leads to 75% energy saving compared to today's HID lamps, increasing milk performance.

The included white observation light (Night light) secures optimal work conditions for people.

Be there – wherever you are

HD supervision camera system for barns, stables or outdoors







Give your calves a great start. It's what they want!

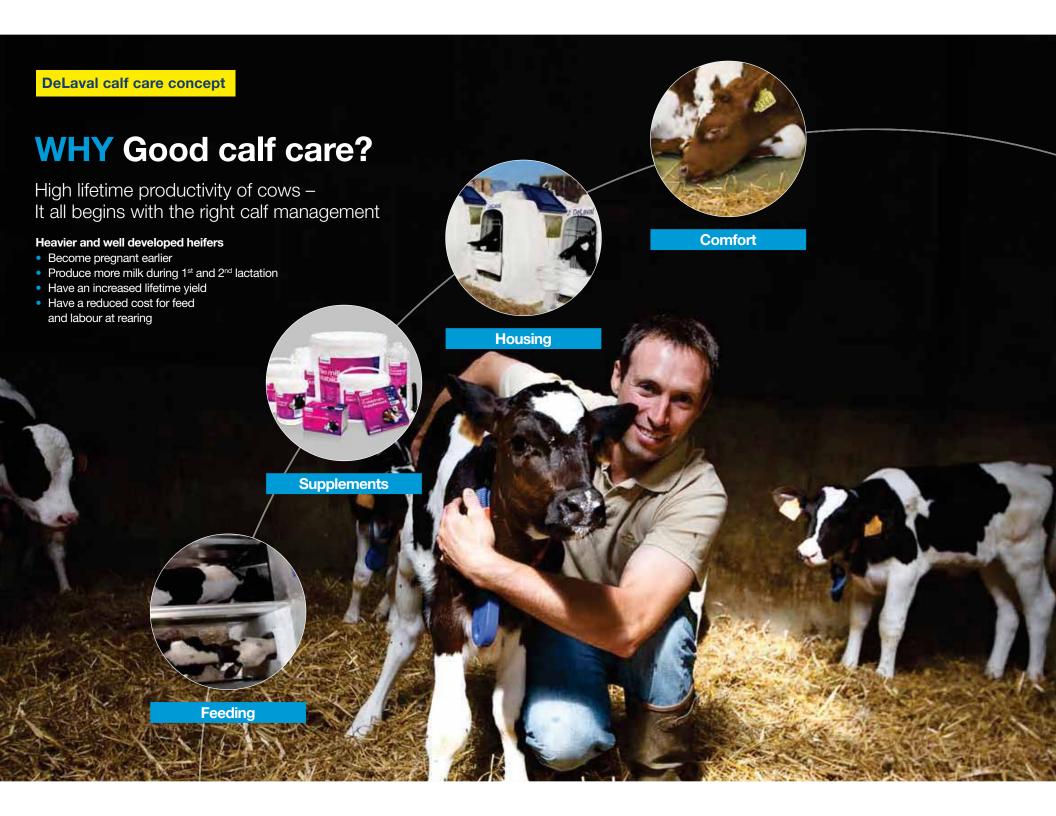


The family of swinging brushes has grown! Now there's a mini swinging brush so your calves and goats can get all the benefits too.

The new, adjustable mini swinging brush helps keep young calves content while promoting better health and faster growth. It's a fast and cost effective way to give your calves a great start to a productive life.









There is more knowledge in quality milk than...

Designed exclusively for dairy farming conditions

At DeLaval we ensure that all our products – liners, teat dips, detergents, filters, oils, tubes...– perform optimally for the job they were designed for. Always **get the plus** from your milking equipment, at all times!



Milk filtersEver wondered why premium milk filters are blue?



Hygiene brushes assortment Keeping your milking equipment clean!



DeLaval teatdips that make a difference!



DeLaval detergents – clearly different!



Hoof care

There is more knowledge behind a high producing cow

Simple steps to healthy hooves

Lameness is painful for cows and expensive for farmers. It reduces the mobility and appetite of cows, which in turn reduces their milk production. When you combine this with the costs of veterinary treatment, longer breeding intervals, and – in extreme cases –involuntary culling; it is no surprise that lameness is the second highest medical-related cost on dairy farms. Fortunately, it is a problem that you can do something about!





DryMaxx™ and bedding spreader Bedding treatment for a hygienic and dry resting place for your cows!



Biosecurity

Taking it to the next level... Biosecurity!

Sustainable dairy farming involves management practices ensuring farm profitability through the securing health and well being of dairy cows, as well as continuous attention to public and environmental health concerns.

Reducing transmission of infectious diseases by animals or people: insect control (Aptaor™), rodent control (Prevexor™), sanitation (PeraDis™) and movement restrictions.



DeLaval InService™ Advisory Services Taking you to higher level

Tailor made analysis of the operations at farm, done by advisors using latest DeLaval proprietary technology. The main objective is to increase customers' profitability and supporting their efforts of being more sustainable.

Dairy farming is complex: since there is no single solution for optimizing productivity, we have added an advisory component to InServiceTM. If, for example, you meet one of our barn planning experts, they will begin by asking how you manage your farm. They will then examine your set-up, carry out in-depth analysis and provide a complete roadmap for your future operations.

You'll find that all of our advisors – architects, engineers, agronomic consultants and veterinarians – are highly qualified. Whether it's a question of increasing herd size, boosting throughput or fine-tuning milking routines, they will help you make the right decisions.

Parlour Analysis and Simulation Service (PASS)

Why is the farm next-door producing more milk?

You might have the same breed of cows, the same feed and similar equipment. But for some reason, neighbouring farms are getting higher yields: some as much as 2 litres extra per cow every day. What are they doing right? And what could you be doing better?

DeLaval PASS is a new service that analyzes your milking routines – and then compares them with industry best practices.



What's holding you back from producing more milk?

Look at it this way: your cows are like athletes with the genetic potential for top performance. DDA, DeLaval dynamic analysis, is then the coach to help you maximize the productivity of your herd.

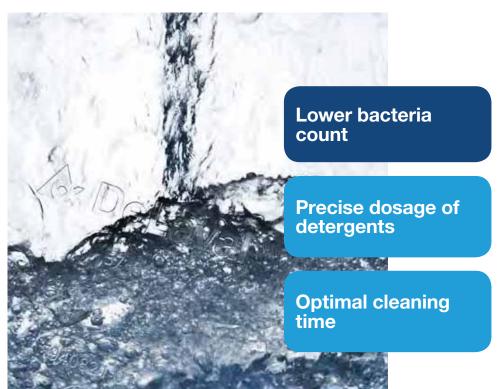
The goal of DDA is fast, complete and gentle milking.

Fast Up to 15% faster milking Complete Up to 1-2 kg more milk per cow per day Gentle Lower Somatic Cell Counts

A service optimizing the cleaning efficiency

You run a professional operation where you take pride in high quality food production, safeguarding human health and harvesting financial incentives. DeLaval Cleaning Analysis, DCA, optimizes the cleaning regime safeguarding milk quality from teat to tank.

DCA influences you to optimal cleaning regime to achieve milk quality of highest standards and making most out of needed resources.





www.delaval.com

DeLaval International AB

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Hamra lives
DeLaval's innovations

Hamra Farm is unique. Not only is it DeLaval's very own innovation, testing, and exhibition centre, it is also one of Sweden's most productive dairy farms (with a herd size of 500 cows) producing 12,000 kg of milk per cow per year. We live milk.













DeLaval is a worldwide leader in milking equipment and solutions for dairy farmers, which make sustainable food production possible, warranting milk quality and animal health. Our solutions are used by millions of dairy farmers around the globe every day. DeLaval was founded more than 130 years ago in Sweden, when the visionary Gustaf de Laval patented the cream separator. Today, DeLaval has 4,500 employees and operates in more than 100 markets. DeLaval, alongside Tetra Pak and Sidel, is part of the Tetra Laval Group. See more at www.delaval.com.