


MANAGED BY
DELPRO™
FARM
MANAGER

A large, modern dairy farm interior featuring a curved rotary milking system. Numerous black and white cows are lined up in the stalls, facing the center of the rotation. The facility has a high ceiling with skylights and industrial lighting. The floor is polished and reflective.

DeLaval Rotary Systems

Performance
built your way



Rotary systems are the most efficient milking systems on the market

The revolving platform brings cows to the operator in a calm, comfortable and consistent routine. This enables the operator to focus on the core milking tasks. The results are a milking system that enables you to realise the full yield potential of your herd in less time and with less labour.

Rotary systems are best suited for expanding or large herds. This makes them ideal for both family-run operations looking to increase efficiency or the size of their herd, as well as large-scale operations that simply need the most powerful and efficient system there is.

High throughput

The continuous motion of a rotary platform means continuous cow throughput. Group size is not a problem. With extra cows or short loads - the rotary just keeps turning until the job is done. Whether you want to milk a medium sized herd quickly or need continuous productivity for a large herd, rotary milking systems offer the highest throughput of any milking system.

Optimised work routines

Rotary platforms bring the cows to the operator at a constant pace. This enables a consistent and efficient work routine that not only removes the need to walk from cow to cow, but also lets operators get into a steady rhythm. The results are increased milking efficiency.

Labour saving

Optimised work routines that focus on core milking tasks require fewer operators. In addition to this, the consistent and low-stress milking routine means cows willingly enter and exit the platform without assistance. The combination of these factors means that fewer operators are required to achieve the same throughput. This results in cost savings.

Calm, consistent and comfortable for cows

Cows have a short walking distance from the holding yard to the milking stall and learn the milking routine easily - they simply follow the previous cow onto the platform. Once there, each cow has an individual stall that looks the same for every milking. They are not disturbed by the movements of cows in adjacent stalls and can just relax for milking.

Complete rotary systems that go beyond the platform

People don't come to us with only part of a problem, so we don't try and fix it with only part of a solution.

DeLaval provides complete rotary systems that incorporate all aspects of the solution. We provide fully customised solutions that are tailored to your herd, location and operation.

We know that every component of our rotary solution works together because we designed them and we built them to work together.



Your solution for your situation

No two dairy operations are alike. The size of your cows, location, geography soil type, acreage, climate as well as your herd's milking and feeding patterns all play a part in determining the exact solution that is right for you.

Our rotary platform technology is at the heart of our high capacity milking solutions. But our solutions go beyond the platform and include every part of the system from clusters, liners, vacuum, cleaning and cooling systems right through to integrated farm management systems.

This is important at the upper end of milking efficiency, where small improvements can make big differences in productivity.



Herringbone Rotary HBR – high capacity milking with minimal labour

DeLaval HBR is the ideal system to milk medium sized and growing herds quickly and effectively with minimal labour.

Ready for future herd expansion

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.

Cow flow

The unique sequence gate design allows cows to enter smoothly and quickly and the stall design positions them close to the operator. The cows come to the operator automatically. At the same time the distance between entrance and exit is very short. This allows the operator to react quickly and removes the need for labour directing

cows into and out of the system. The combination of these factors means that a single operator can operate a platform with up to 32 milking points.

DeLaval's unique sequence gates mean that cow-flow becomes automatic - it simply works. Cows are quick to learn the routine and then happy to follow. This is no surprise really as rotaries represent a comfortable and stress free milking routine for cows.



Convenient milking routines

The operator stands on the inside of the platform with a clear view and access to all cows and milking points. With a straight pit edge on the inside the operator does not need to step back for every bail. Milking routines are made easier by the unobstructed access to the udders and the adjustable speed control of the rotary.

In combination with DeLaval's farm management system, cow data from current and previous milkings are used to optimize the speed of the rotary platform. This ensures that cows complete milking at the end of the rotation.

Performance range

You can choose the functionality level of your HBR from standard to premium-performance options. The basic HBR simply lets you milk your cows in a fast and efficient way. For better operator comfort, DeLaval movable floor can adapt to different operator heights for a more comfortable milking.

Premium options include the ability to build DeLaval's farm management system into your rotary milking routine enabling electronic cow identification, monitoring and analysis.

The patented feed manger solution on the sequence gate also increases the performance of the HBR system.

Other optional features enhance the comfort of both the cow and operator. Rubber coverage on the platform is one example of improving the cow comfort.



Parallel Rotary PR2250

The power to milk more cows in less time

If you have a medium to large herd, or are looking to expand, the PR2250 represents the step up to high-throughput milking. Milk more cows per hour and free up more time to manage your herd.



Automatic cow flow

Cows are creatures of habit. Rotary systems enable you to make these habits good for business. Cows are quick to learn the entry and exit routines and are happy to follow them.

Low cabinet design encourage cows to enter the platform faster and make it easier for them to leave the platform.

This lets operators focus on their core milking tasks and means you need fewer operators to do the same job.

Integrated farm management.

Rotary milking systems are also rotary herd management systems. The PR2250 cabinet bail is engineered to be the interface between the latest milking automation, farm management system, and the milking operator.

With electronic identification, milk metering and conductivity monitoring milk yield, fertility and mastitis can all be managed as part of your milking routine. By integrating DeLaval's farm management system into your milking routine you can sort and group your herd according to their milkout time. This means you can adjust the cycle speed to minimise the time they spend away from feeding and resting.





Work routines with rhythm

As the cows come to the operator at a consistent pace, operators are able to achieve a consistent rhythm that is not too fast so as to be stressful and not too slow so as to be tedious. Optimal work routines lead to greater work satisfaction and the benefits of this are seen in productivity and labour retention.

Safety built in

The safety of both the operator and the cow are key considerations in the design of all of our rotary systems. An emergency stop line that runs around the entire platform means that operators can stop the platform quickly if they need to for any reason.



Parallel Rotary PR3100HD

The powerhouse of high-capacity milking

The PR3100HD is designed for high-capacity milking where productivity is key and downtime is not an option.



High Performance Milking

In large-scale operations where milking is done 24/7 or close to it, the PR3100HD has proven itself time and time again in locations all over the world. The key to the PR3100HD's success is that it combines the highest levels of throughput and reliability. Because we don't compromise on either of these areas, you don't have to compromise on productivity or operational continuity.

High Throughput

The PR3100HD achieves maximal throughput by making the milking routine easier for both the cow and the operator. The entry is 1.5 cows wide, which gives them the confidence to

approach. 15° angled bails and low profile cabinets encourage fast entry for high throughputs. The exit bow makes it intuitive and easy for cows to exit. This means that cows are willing participants in the milking process and cow-flow takes care of itself.

The constant pace of the rotary bringing cows to the operator allows the operator to focus on their core operations making them more effective and enabling them to achieve more in less time.

24/7 Reliability

DeLaval combines equal parts of research, quality engineering and experience to build rotary systems that just keep on turning. Because every part of DeLaval's rotaries are built using the highest quality materials selected to stand the farm conditions and requirements, they are built to last.

Adaptable to your herd

The PR3100HD combines reliability with adaptability. Every dairy operation has its own specific requirements. The PR3100HD is customisable to meet these requirements. Even though these improvements can sometimes mean improvements in efficiency of small percentages, at the top end of milking productivity, small improvements can make all the difference.

Farm Management

PR3100HD offers the option to build automated farm management functionality right into the system. Cows are automatically identified as they go through the milking cycle and a range of information is collected. This helps with the identification and management of the cows. DeLaval sort system then makes it easy to sort cows for additional attention.

Our rotaries last so long that we build them for the future

Being the best rotary system on the market today means nothing if you can't benefit from the solutions of tomorrow. DeLaval incorporates the latest technology of today as well as system compatibility to be able to embrace the technological breakthroughs of tomorrow.





MANAGED BY DELPRO™ FARM MANAGER

Farm management system

Farm management system never sleeps, collecting and processing data round the clock. It helps to identify trends and supports you in developing strategies at an early stage, saving you many hours of work.



The right decision at the right time

A herd management tool is essential for all farmers who are interested in optimizing production. DeLaval's farm management system is a modular concept that allows you to manage sorting, feeding, milking and breeding as one integrated business operation. This optimum herd management solution keeps track of each animal, monitors trends, predicts problems and evaluates options.

DeLaval's farm management system provides rapid access to the daily information which is essential for successfully running a modern dairy farm.

The power of control

Knowledge is a powerful tool, especially when it helps you anticipate what will happen next. DeLaval's farm management system helps you control each cow's yield. If any cow deviates from its usual production, you will know at once. Having all the information allows you to make the right decisions at the right moment.

Receiving timely, accurate information from the system means you can immediately solve problems involving cows that are sick or yielding less milk than usual. Daily milk yield measurements minimise your production losses.

Reliable ID and milking point controllers help you to manage your milking process in an accurate way and provide you with valuable information.





Easier herd management

Lactation curves can be displayed graphically as can the development and trends of fat, protein and somatic cell count. Activity meters and the breeding calendar are powerful tools in your reproduction management.

Multiple sort gates help you to sort cows in 2 to 5 and more directions. They can be installed one after the other or grouped as a cluster to increase the number of cows sorted and minimize space requirements.

An automated weigh scale can monitor the changes of weight of your cows as a basis for further action.

Specific information can be transferred from the barn to your office for later attention or cow data can be displayed while you are working in the barn.



Protect Milk Quality Cooling & Cleaning



Milk cooling & storage

To preserve milk quality, fresh milk must be cooled quickly. Milk leaves the udder at approximately 35°C and must be cooled to a storage temperature of around 4°C to 6°C to prevent the growth of microorganisms.

Because every dairy farm is different in their size of herd, barn configuration and milk storage system. DeLaval offers a range of milk cooling solutions to meet any requirement.



Cleaning and Hygiene

An effective cleaning system is essential to ensure high milk quality.

DeLaval provides a range of cleaning systems designed to sanitise rotary milking systems quickly. This not only protects the quality of your milk, but by doing it quickly, it minimizes system downtime and time spent on nonmilking tasks.

To be able to meet different cleaning requirements we offer a range of solutions that includes automatic cleaning and dosing systems. We also provide the cleaning agents and chemicals to suit your specific milking and environmental requirements.

Protect your Productivity

DeLaval InService™

Rotary milking platforms are high-performance machines. And like any high-performance machine, they need regular servicing to keep functioning at their best.

DeLaval InService™ provides you with on-site expertise to get the best out of your rotary milking system. DeLaval trained and certified technicians carry out scheduled servicing and preventative maintenance to keep your system optimized and your operation running smoothly.

Regular, planned maintenance is an investment that saves money. DeLaval InService will help you to:

- Reduce unplanned downtime
- Maintain optimal productivity
- Improve the health of your cows



**Our service is 24/7 – 365 days a year
Just like your cows**

That is why we have set up a service network to protect your productivity. Over 3,000 DeLaval trained technicians in over 100 countries ready to act quickly and stop small problems turning into big problems.

Our technicians have direct access to over 30,000 parts and, depending on your location, can generally be at your farm in a matter of hours - not days.



Plan for success

To get the most out of your rotary milking system, you need to look at the big picture and plan for the future as well as today.

DeLaval has the experience and expertise to help you plan a rotary milking system that will suit your specific situation - both now and in the future. We look at your location, physical barn layout, current and intended herd size, climate, geography and many other external variables. Then based on your intended number of operators and the daily maximum

milk yield per cow, we recommend a rotary solution and configuration that will have the right balance to avoid both idle time and excessive work peaks.

The way in which you manage workflow is another important consideration when planning your rotary configuration. Compact social, machine and storage areas maximize the manageability of your barn and short walking distances for milking personnel are important to optimize their workflow.

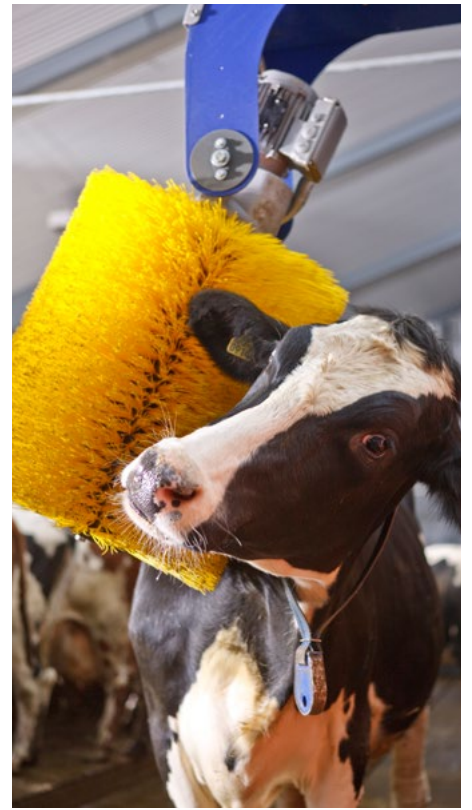


Plan for the future

Milk yield per cow increases over time. Your platform should have a sufficient number of milking stalls to account for this right from the start.

Think ahead and consider potential herd expansion so that you select the right size platform from the start.

We also build sustainability into your system wherever possible. This will enable you to make the best use of the natural resources at your disposal. It also lets you recover and reuse resources so that you consume less and spend less.





For more information

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