

Freedom to choose



DeLaval voluntary milking system VMS



Freedom to choose

How are you going to milk your cows today, tomorrow and in five years? This is a question for millions of people. Working with DeLaval means that you can control your future better, because we are the only ones offering all the alternatives and solutions you need to milk your cows now and in the future. DeLaval voluntary milking system VMS is just one of these alternatives.

DeLaval VMS is a complete, automatic milking solution designed to optimize quality milk yield in the most humane, cow friendly, hygienic and efficient way possible. This reliable solution can cost-efficiently improve dairy farm productivity while considerably improving your quality of life.





Control your time better

Every day thousands of farmers enjoy the benefits of automatic milking. Every day families decide to change their way of milking cows by trusting a voluntary milking system. If you milk four hours per day, you spend nearly six months of your entire year attaching 50,000 udders. Can you spend your time better?

Yes you can!

DeLaval voluntary milking system VMS offers farming families' time away from a stringent daily milking schedule and the freedom to choose how they want to spend it. With DeLaval VMS, important family events can now be enjoyed to the fullest extent. You can also better invest your time in more profitable tasks such as managing your feed costs, controlling your herd health and developing your management skills. You are now in complete control of your daily schedule and free to do whatever you want to.



Designed with you in mind

Work smarter not harder. DeLaval VMS is designed to make your life and work easier. Did you know that milking 60 cows per day means lifting 110,000 kilograms of equipment annually? Fewer aching muscles mean better personal health. Robotic milking also means less dependence on hired labour, so your business is more predictable and easier to manage. A touch-screen interface at the ergonomically designed milking station provides you with fast and intuitive control of the entire system. To easily train a new cow, the station can be switched to manual mode so you can comfortably and securely attach her by hand. There is no need to manually program the teat coordinates when you start a cow either. With the Auto-Teach feature, the cow's teat position is automatically identified and milking can proceed immediately to save you time.

Save even more time thanks to the automatic adjustment of milking permissions based on time, expected yield, lactation number and DIM. The system's software can transform a portable computer or PDA into a wireless remote to give you even more control and independence. You can then carry on with your work without even being at the robot or needing to get to it. You can also access the DeLaval VMS system from any remote computer located in your house, office or anywhere you find most convenient.

We call that peace of mind.





 DeLaval



High milking capacity

DeLaval VMS uses its agile hydraulic robotic arm together with two lasers and an image processing system for precise, quick teat detection. DeLaval VMS truly sees the teats. This multi-purpose arm gently handles teat cleaning, teat-cup attachment and teat disinfection with the same care you would give. It also helps ensure proper milk tube alignment to reduce slippage and kick-offs.

Long and short cows are all comfortable in the system's milking station. Feed is gradually dispensed during milking and stopped at the most convenient time for the cow to exit the station quickly. Comfortable cows have much better milk letdown and yield. A stall that is inviting will process more milkings per day.





Reliable robotic milking

Modelled on a human arm's flexible movement range, the multi-purpose arm easily accommodates high, wide or low udder irregularities and teats with an inclination of up to 45°. A unique feature called 'attachment strategy' offers several options to help attach difficult udders. DeLaval VMS adapts to more cows and can attach more teats. This flexibility benefits you by allowing more cows to be compatible with DeLaval VMS. Reducing expenses related to involuntary culling contributes to a more profitable dairy operation.

The DeLaval VMS hydraulic robotic arm is fast and quiet, yet very robust and gentle. Its repetitive procedures are consistent, just as the cows like it. The arm is made of reinforced stainless steel to withstand the harsh environment. This arm's unique technology is a first in the robotic milking industry, providing a higher degree of reliability and precision over time. The arm does not get tired or loose patience with difficult cows – it simply gets the job done while you do better things.



Relaxed milking

Technology should adapt to the cow, not the other way around. DeLaval VMS allows cows to follow a natural rhythm. They milk when they like, in a calm and quiet environment. This improves their udder health, milk production and longevity. DeLaval VMS is not like other milking systems. It has built-in features that make milking as stress-free as possible.

The cow quietly enters the milking station and stands naturally on the flat and slip-resistant floor. This new stall is bigger than previous versions, to accommodate the growing size of cows and the feed manger automatically adjusts to each cow's length to keep her secure there. There's no machinery under the cow during milking so she stands naturally, without risk of injury. We believe that if the cow is comfortable and relaxed, you will benefit from it.





No compromise

DeLaval VMS respects each cow's individuality. While milking, she sees her environment and feels comfortable. Each teat is individually cleaned, stimulated, pre-milked and dried before milking. Optimum teat stimulation leads to high milk flows and short unit on-time. For you, it means high milking capacity and profitability.

Every quarter milks out differently so DeLaval VMS is equipped with one milk meter for each quarter to record time, yield, flow, conductivity and blood. With the system's management software you have access to the status of each cow, to help you make the right decision at the right time. Cows are individuals and DeLaval VMS treats them as such, without compromise.







Full hygiene control

Several features are fully automated to save you time and keep the system running around the clock in the most hygienic condition. It starts with the integrated splashguard automatically backing-up behind the animal to divert manure and urine away from the stall and milking area. Programmable automatic floor cleaning allows your cows to stand on a clean surface at all times.

All the cups are rinsed inside and out between each cow. The cups then face down so they can drain and stay free of debris that could otherwise fall inside. DeLaval VMS almost instantly detects any fall-offs and initiates retraction then rinsing of the teat cup before re-attaching it. There is even automatic teat disinfection after milking, with the possibility to select various operational modes.



Milk quality control



From the oil-free air compressor to the special teat cleaning cup and food grade stainless steel milk transfer lines – milk quality is prioritised in the DeLaval VMS. Four optical, quarter milk meters monitor deviations and abnormalities in flow rates, yields, conductivity and blood levels. Abnormal milk can automatically be diverted away from the main tank. Meanwhile the management software records all the data and events to facilitate your management decisions.



The optional DeLaval online cell counter OCC is exclusively available for DeLaval VMS. Now you can get an accurate somatic cell count measurement for every cow at every milking and enjoy a wealth of information in real time. Software support is available for DeLaval OCC including connection to DeLaval VMS cow monitoring with reports and SCC graphs.





Milk cooling solutions

Success still depends on a healthy herd and a steady volume of the highest quality milk possible. That means a successful robotic milking system has to protect the milk once it's in the system. DeLaval flow controlled cooling effectively cools milk below 4°C, even when there is very little milk in the tank. Its integration with DeLaval VMS is seamless. The cooling tank can adjust its cooling capacity in real time, based on the volume of milk delivered by DeLaval VMS. This patented single tank system is specifically designed to meet the challenges of 24/7 automatic milking, characterized by low milk flows and irregular milking patterns. It adapts to the cow's routines and virtually eliminates the risk of ice build-ups.

DeLaval supplies a seamless solution from teat to tank so that dairy farmers can rely on one partner to take full responsibility for their system.

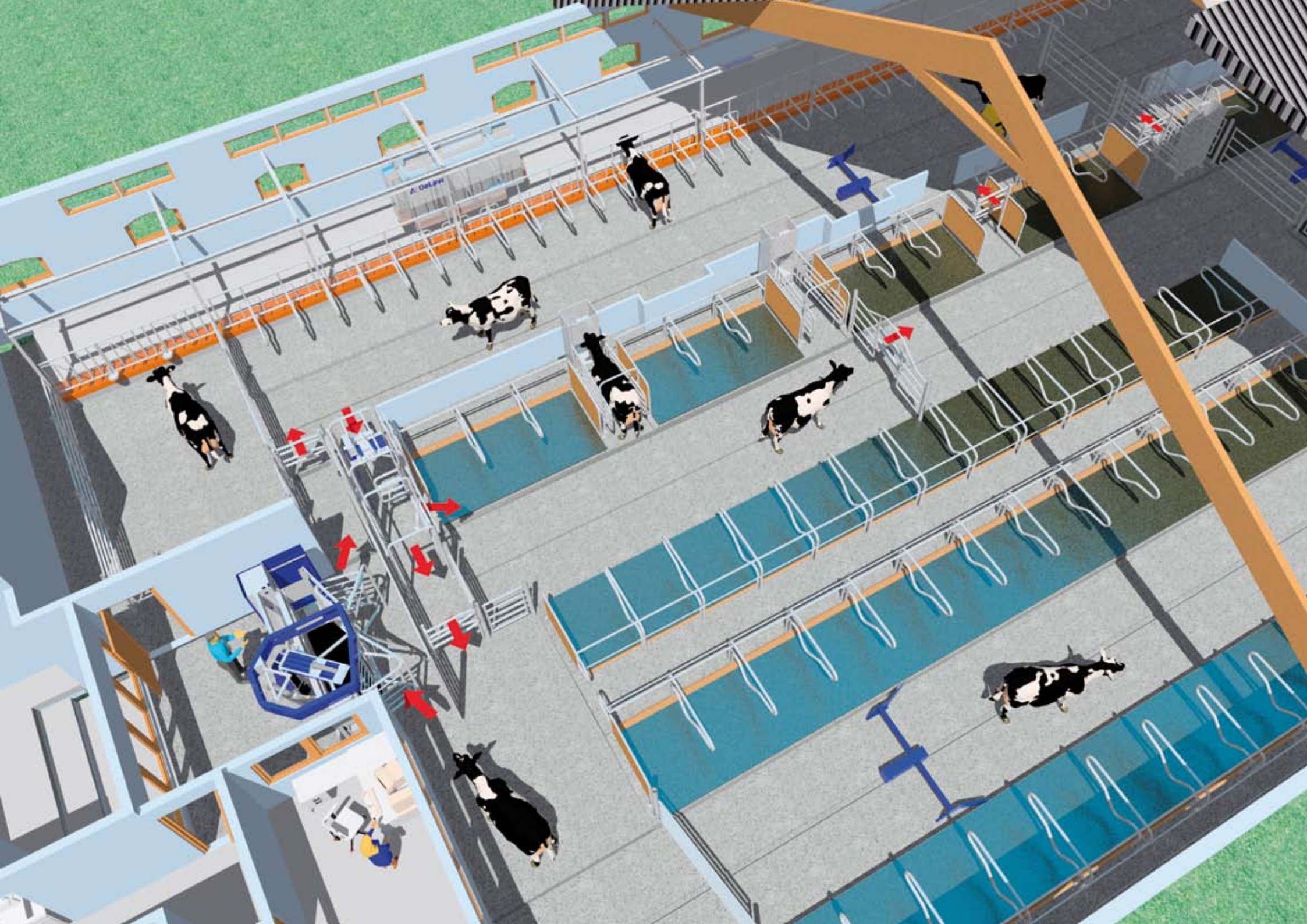


Total system control

There is more to an automatic milking barn than the robot and DeLaval knows that. A well functioning barn is essential for the success of your plans. Take advantage of our competence, knowledge and 120 years of experience to help you reach your goals. We know how to plan the barn layout, stalling, feeding, manure handling, cooling and cow comfort. We can do it all, from free cow traffic to semi-free or feed first cow traffic (see barn illustration on the right). The unique DeLaval smart selection gate SSG and flexible software options allow for virtually any combination of cow traffic.

Professional planning will reward you with high herd performance while reducing labour requirements. At DeLaval we don't just claim to be the world leader, we act like one in the best interest of our customers, you. After all, your success is our success.







Close to you

DeLaval will provide you with expert and down-to-earth personal training assistance. You will quickly and simply learn how to operate the system, while your cows naturally adjust to it with you. To ensure you can capitalize on all the system's superb functions, your DeLaval expert will continually provide thorough operational information through start-up and the weeks that follow.

We are interested in building a close working relationship with you for a mutually prosperous future.



It's your turn

DeLaval voluntary milking system VMS offers you a way of life not commonly found using traditional milking methods. Thousands of families have already handed over the heavy chores of milking to a DeLaval VMS and they now enjoy a more flexible lifestyle.

In fast changing times when increased productivity is at the centre of all discussions, you have the freedom to choose how to use your time better and improve your daily life.





DeLaval, Inc.

11100 North Congress Avenue
Kansas City, MO 84153-22
USA
Tel: (816) 891 7700
www.delaval-us.com

DeLaval, Inc.

2020 Fisher Drive
Peterborough, ONT K9J 7B7
Canada
Tel: (705) 741 3100
www.delaval.ca



Dealer:

Some features and options may not be available in all countries.
Please consult your local DeLaval representative for full details.
DeLaval is a trademark of the DeLaval Group.
The manufacturer reserves the right to make design changes.
53570536BR2ver2-en/200803