

DeLaval VMS™ V300

A System Approach

DeLaval

IT ALL REVOLVES
AROUND YOU

DeLaval

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DeLaval VMS™ V300 is all about making dairy farming More personal, More accurate and More profitable.

It is a system that allows us to treat each farm, each farmer, each cow, even each teat – individually – and to customise the process to meet each individual's needs. This creates a better place to be for workers, cows and your families.

Taking a system approach – with you at the centre of everything we do.

A dairy farm is a complex business. It requires systems that do complex things as simply as possible. Systems that manage the interactions between different processes and inputs with one objective in mind – more, better quality milk from healthier cows, without making it impossible for you to have a healthy lifestyle.

To do this it is essential to take a whole-farm approach, and with 135 years experience and more dairy innovations under our belt, it's what we do better than anyone else. We know and love dairy farming; it's all we do.

The VMS V300 uses automation to make you less reliant on an uncertain labour market, to keep you at the forefront of animal welfare and food safety. This helps to ensure that dairy farming is a profitable option now, and an appealing lifestyle and career choice for the next generation.





**VMS V300 is not
about technology
– it's about dairy
farming, and it's
about you.**



Animal Welfare

As a pure Voluntary Milking System, the VMS V300 is not a conveyer belt that treats cows like uniform products, it is a fully automated milking system that generates better results for you and your animals.

TAKING A
36
YOUR



Work Efficiency

The VMS V300 is all about creating a better work environment and lifestyle for not only you but anyone who works on your farm.

Farm Profitability

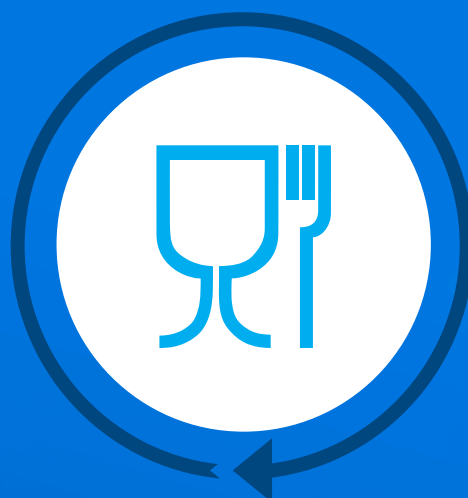
Generate more milk, more efficiently, more safely and more sustainably, in a way that also meets the consumer pressures that farmers all over the world are facing today.



0° VIEW OF FARM

Food Safety

Every day, every milking, every cow; your VMS V300 will ensure that you are at the forefront of food safety into the future.



WHY IS IT BETTER?

DeLaval VMS™ V300 allows each cow to be milked according to her individual needs and capacity. This means that each cow is able to reach her full potential.

 DeLaval

**Fewer
labour hours**

Teatspray
99%
hit rate

**REAL
Quarter
Milking**

**No
tank milk
wasted**



**Pre-defined
service costs**

10%
Higher capacity

More than
3500kg
milk per day

99.8%
Attachment rate

Up to
50%
faster
attachment
time

Data collected on test and pilot farms.

THE KEY FEATURES

DeLaval VMS™ V300 harnesses and applies technologies that weren't previously available, to do things that were never possible at any time, on any farm.





DeLaval DelPro™

The most advanced milking system requires the most advanced farm management software.



DeLaval InControl™

A seamless user experience keeping you connected to your system wherever you are.



DeLaval PureFlow™

The ultimate teat preparation is delivered by a totally independent cup.



DeLaval InSight™

The most advanced camera and software combination delivers the fastest, smoothest process.



DeLaval Advisory

Start the way you mean to continue with help where you need it.



DeLaval InService™ All-Inclusive

You may never think about the service the same way again.

DeLaval DelPro™

In the 135 years we have been building dairy systems we have learned that to get the best result, you have to focus on the whole farm. And because we still run the original farm next to our head office, we are reminded of that fact every day.

That's why, for us, it isn't enough that the new DeLaval VMS™ V300 is the best milking system. It is essential that it is capable of forming the central hub for your entire farm, and that's where DeLaval DelPro™ comes to the fore.



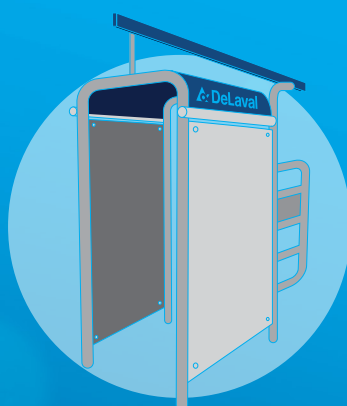
DeLaval VMS™ V300



Online Cell Counter OCC



Activity Monitoring



Smart Selection Gate
Grazing Gate

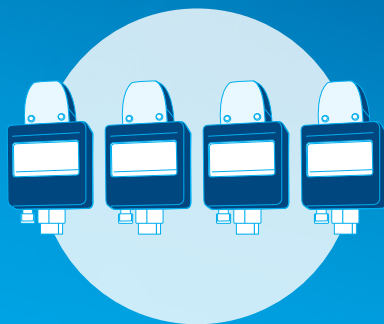
Performance



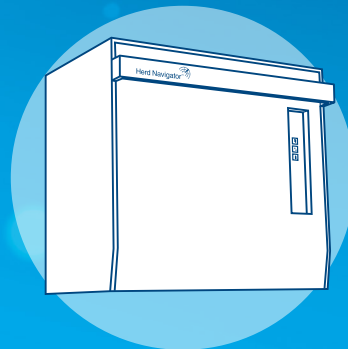
Reproduction

DelPro™
Decisions
start here.

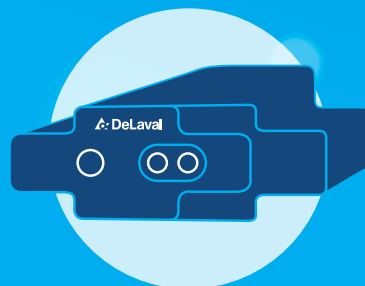




ICAR approved
Quarter Milk Meters



Herd Navigator™



Body Condition Scoring
Camera BCS



Feeding

Health



Milking

System thinking

At the heart of every DeLaval solution is our farm management system – DelPro. It is what turns all the data collected by your VMS V300 and any other sensors, into useful, easily understood information to allowing you make better informed, more accurate decisions. Whether you have one or 64 VMS V300 on your farm, you set your management objectives, implement a plan and DelPro will make sure you have everything you need to put the plan into action.

DeLaval InControl™

DeLaval InControl™ doesn't just make it easier to control and monitor your DeLaval VMS™ V300; it will provide you with simple visual reports, analysis and information to help you to make better decisions. DeLaval InControl™ means you can access cow data, see performance statistics or change the setting of your system.

Best of all, it delivers all this functionality to you, wherever you want it. Using either the touchscreen or a mobile device. You are always able to view your VMS V300 to control its operation, track daily routines, update individual cow data or share information with staff.



You're InControl

A seamless user experience keeping you connected to your system wherever you are.

Manage routines

Quickly and easily view

- Cow queue to VMS V300
- Individual cow status and performance data
- Find my cow in the barn or pasture
- Recently milked cow information
- Activity information
- Somatic cell count information
- Fine-tune individual cow settings
- Fertility information

Share information

Easy to use

- Large buttons
- Simple icons
- Intuitive layout

Mobile version

- For Android and iOS

Remote access

View cameras

DeLaval InControl also makes it possible to plug in extra cameras and sort gates so that you have one central point to view and control your operation.

DeLaval PureFlow™

If you are looking for the very best milking process - then look no further than DeLaval VMS™ V300 – after all, milking is its middle name.

It all starts with preparation - DeLaval PureFlow™ doesn't just clean udders, it prepares them. Using the exclusive transparent cup that allows you to see it in action. Each teat is individually cleaned and stimulated to improve letdown and productivity.

Add to this, the separation of pre-milk which is removed to a waste container via a separate line. Fully adjustable settings including the ability to add soap for enhanced cleaning and you have the ultimate teat preparation.

Once milking is complete, the DeLaval PureFlow™ cup is fully flushed and cleaned as part of the comprehensive cleaning routine that is automatically carried out by the VMS V300.

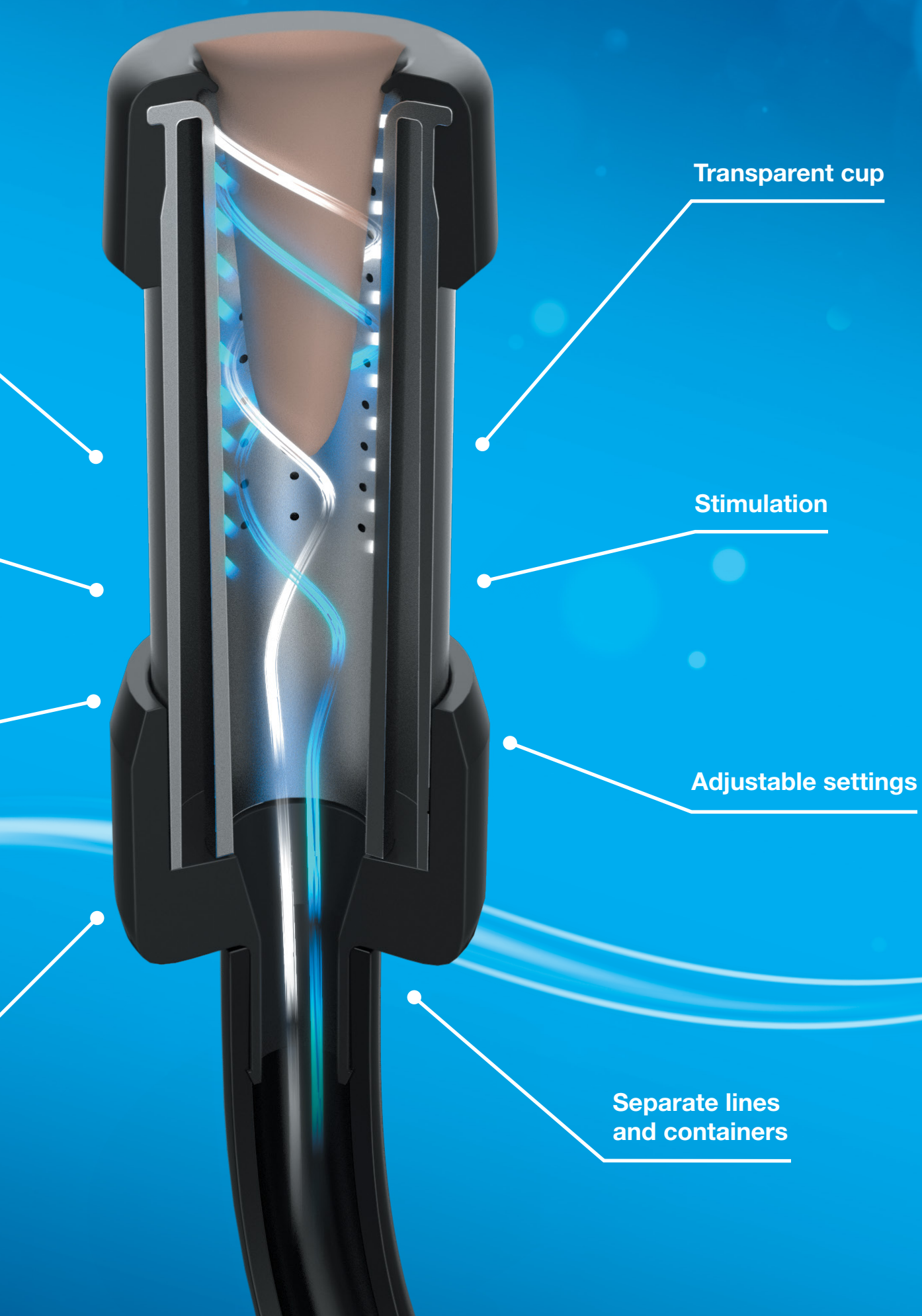
Better hygiene

Air and water

**Soaps can
be added**

Separate cup

**The start of the
gentlest, most
effective milking
process ever
created.**



Transparent cup

Stimulation

Adjustable settings

Separate lines
and containers

DeLaval InSight™

When you observe a DeLaval VMST™ V300 in operation there are two things that strike you immediately. How calm the cows are, and how gently and smoothly the robotic arms go about the repetitive tasks of cleaning, preparing, treating, attaching and spraying.

The key technology that makes this possible is DeLaval InSight™

What you see is a smoother, faster, more accurate arm. An arm that makes attachment, preparation, milking, teat-spraying and cleaning all much faster, more accurate and more efficient. But, what is driving these performance improvements is the interplay of the most sophisticated camera, hardware and software ever seen in a milking environment.

99.8%
Attachment rate

Self learning

**Most advanced
software**

Self cleaning

**Two nozzles
for sprays**





Easily serviced

Robust design

**Smoother
and faster**

It doesn't just react to the udder. It learns.

At each and every milking DeLaval InSight™ maps and learns each cow's udder and teat placement. This means that even a cow that has never presented before will be milked efficiently, without the need to teach teat positions the first time a cow is milked.

It also means that each time a cow presents, her unique udder configuration is anticipated, accounted for, and adjusted to; making it possible for each task to be carried out more efficiently.

**Scratch
resistant lens**

DeLaval Advisory

Moving to a Voluntary Milking System is, for many farmers, an excellent way to generate more milk, more efficiently, more safely and more sustainably, in a way that also meets the consumer pressures that dairy farmers face today.

Our advisory and planning teams are available to help you assess the suitability of a Voluntary Milking System for your situation. Our advisory team will be there to help you decide if a DeLaval VMS™ V300 will deliver you a better bottom line.

**Training and
routines**

**Total system
approach**

**Plan and
manage
growth**



We take a 360° view of your farm

**Performance
optimisation**

**Get the
most out
of DelPro**

**Fertility
management**

**Standard
Operating
Procedures**

**System integration
sensors and
customisation**

**Barn planning
conversion or
new build**

**Feed
Management**

**Milk cooling
transport and
storage**

**Energy
savings
per kg milk**

DeLaval InService™ All-Inclusive

With an InService™ All-Inclusive agreement in place, for one agreed price, you can rest assured that every part of your system from scheduled servicing to routine maintenance, detergents to liners, vacuum settings to lubricants, cleaning, advice and everything in between; is working in harmony to deliver more, better quality milk.



It's all included

With a DeLaval InService™ All-Inclusive agreement in place we will deliver Service and Consumables for a fixed price. This leaves you to get on with the business of dairy farming secure in the knowledge that every time the cups go on, your system is performing to expectations.

Service and maintenance are included

Because DeLaval VMS™ V300 works 24/7, like any hard working system it needs to be serviced at regular intervals for pre-determined actions. With InService™ All-Inclusive, we will make sure these are performed on schedule.

Results are included

High somatic cell count (SCC) will significantly decrease milk production. As part of your InService™ All-Inclusive agreement we will make sure that you get the most out of the VMS V300 teat-spraying functions by matching the right teat sprays to your situation.

Certainty is included

The bigger the operation you have, the more complex it is to keep track of your production costs. With InService™ All-Inclusive we can eliminate that complexity, we will agree up-front to a consistent cost per month, per quarter or whatever you prefer.

Consumables are included

It's not just the labour hours that are included in your InService™ All-Inclusive agreement. We will also make sure that you do not run out of detergent, teat spray, milk filters or oil.

Performance is included

When it comes to the effect of combining service and consumables on performance, it is truly a case of 1+1=3. We will make sure that you are milking with the right liners and correct vacuum and pulsation settings for your herd. We will also ensure your cleaning routines, temperatures and dosing are delivering the best quality milk.

Milk Quality is included

You can be sure that your detergents, liners, cleaning routines and pulsation settings are operating in total harmony to deliver you the Milk Quality you demand.



Emergency call outs can be included

Because the VMS V300 is the most reliable system we have ever built, talk to us about upgrading to InService™ All-Inclusive Plus, which means we also include emergency service.

REAL Quarter Milking

DeLaval VMS™ V300 delivers the best milking performance of any system because only VMS V300 can deliver REAL Quarter Milking.

With a dedicated ICAR approved milk meter for each teat. VMS V300 has taken milking to a new level, delivering incredible gains for animal welfare and productivity.

Using current data, historical information and modeling, VMS V300 is able to automatically adjust pulsation settings to get the best result with the least discomfort for each cow.



Better Information

During milking you can observe milk flow, yield, blood and conductivity and milking interval as well as other key production data; all per quarter, and all compared to last milking.



Smart Pulsation

VMS V300 constantly measures each cow's milking performance and adjusts the pulsation ratio accordingly. The result: faster and less stressful milking which allows for more milkings per day and shorter waiting times for cows.



Stable Vacuum

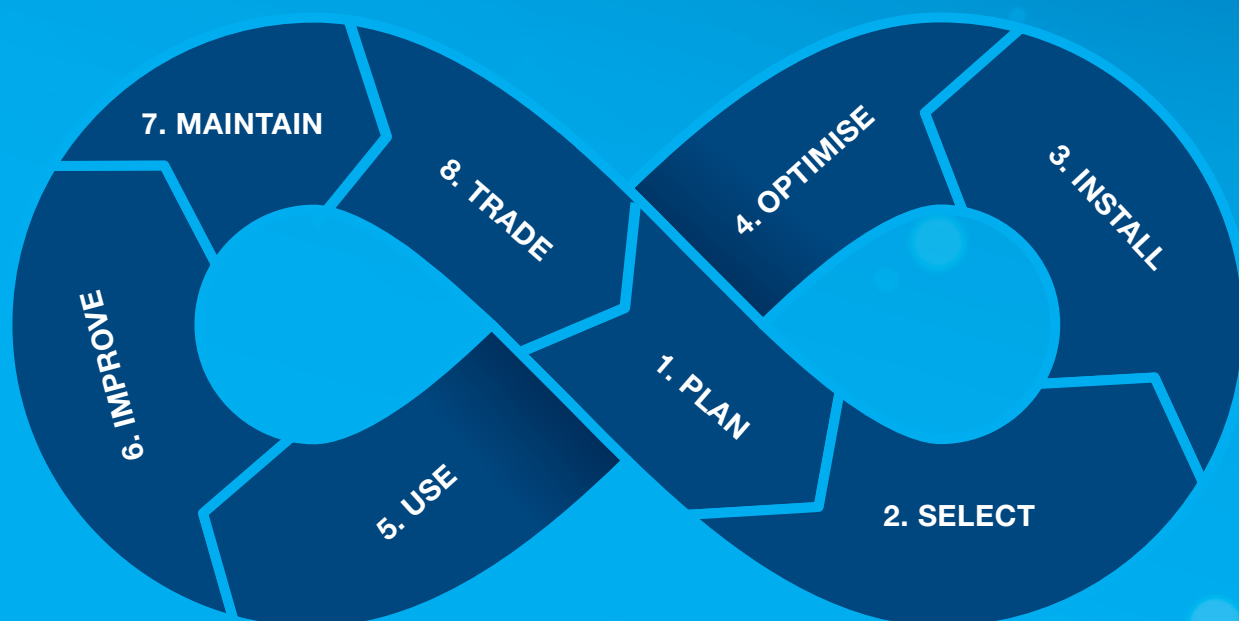
With shorter tubes and a superior vacuum system VMS V300 provides better vacuum stability, leading to better comfort, milk transfer and fewer slips or kick-offs. The shorter tubes also reduce maintenance costs.



Better Take-off

The advanced modeling, combined with the real time flow data from the 4 ICAR approved milk meters makes it possible for VMS V300 to detach at the right time, in the right way to protect the sensitive and valuable teats.

With you on every step of your VMS V300 journey.



1. PLAN

You don't plan a new dairy system every day – but we do. Let us help you plan a system that will work for you, the way you want to work.

2. SELECT

Because VMS V300 is able to be customised, with other useful components integrated, specifying the perfect system for you is something we can help you navigate.

3. INSTALL

Our professional team will have your VMS V300 installed, commissioned, certified and operating in no time.

4. OPTIMISE

It's not a matter of plugging your VMS V300 in and leaving you to it. The process of getting you up and running is the key to a successful installation.

5. USE

With routines and standard operating procedures as well as expert advice always available we will help you get the most out of your VMS V300 every day.

6. IMPROVE

Easily upgradeable, your VMS V300 will become a hub for ongoing system improvements. Access to these recommendations is an integral part of VMS V300.

7. MAINTAIN

Easily and quickly serviced, we will make sure that your VMS V300 is maintained to ensure a lifetime of performance.

8. TRADE

Another advantage of VMS V300 is that you can easily add additional units to meet growth, we also help you with trading your old unit if you choose to replace it.

Get even more out of your voluntary milking system with DeLaval.



Barn Planning

Cow traffic is essential to a profitable voluntary milking system. Our team of trained experts will help you design a solution tailored to your needs.



DeLaval Clover Liner™

With its clover-shaped concave walls, the unique patent-pending DeLaval Clover™ Liner provides optimal performance, advanced massage properties and gentle teat treatment.





DeLaval Herd Navigator™

Instantly receive accurate analysis from every cow to improve your farm's profitability, work efficiency and animal welfare.



DeLaval Body Condition Score BCS Camera

Body condition scoring is essential to boost productivity, fertility and longevity – with a BCS camera you will accurately record every cow, every milking.



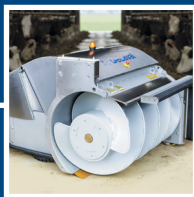
DeLaval OptiFeeding™

Regular frequent delivery of specific feed rations is essential for dairy farming success. Using automatic feeding systems to optimise feed management is a profitable investment.



Smart Selection Gate/Grazing Gate

Whether you operate a pasture based system, a barn, or a mixture of the two; the addition of a DeLaval Smart Selection Gate will optimise feed access and reduce the time spent fetching cows.



DeLaval OptiDuo™

To increase feed consumption don't just push feed around – refresh and remix it. OptiDuo is a fully automated solution.



Cow Cooling

Designed specifically for automated milking systems, our patented solution stimulates cow traffic and provides consistent cow body temperatures to avoid heat stress.



DeLaval Optimat™

Allows you to get feed to the feed table automatically to feed your cows many times per day, around the clock, with minimal labour.



Consumables

A full range of consumables designed and tested to ensure maximum performance from your DeLaval VMS™ V300.

HOW CAN WE HELP?

Dairy farming is a business, and like all businesses there are pressures to produce more with less. But dairy farming is also a way of life, and how you want to farm is an important part of the decisions dairy farmers are making every day.

We don't believe that the DeLaval VMS™ V300 is the right system for every farmer. Your history, your personality, the unique economic and environmental factors that you face will determine the best solution for you.

That is why if you are looking to farm with a voluntary system it is essential that you

chose a partner who can help you take a 360° view of your whole operation.

A partner who has experience of every aspect of dairy farming.

A partner who can help you with how each variable element in your farm system will impact the others, and what their combined impact will be on your key objectives.

A partner who will help you create a system, that truly revolves around you.

THE NEXT STEP

To take the next step on your personal VMS V300 journey, either talk to your trusted DeLaval representative or for more information, visit us at www.delaval.com



**IT ALL REVOLVES
AROUND YOU**

We live milk

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