DelPro™ for stanchion barns
The integrated dairy management system

Handing you better control
Modern tools for traditional stanchion dairy farms
Improving on tradition

DeLaval DelPro™ integrated dairy management system will provide you with ways to better control your milk production – without having to change your whole dairying system and way of life.

Integrated dairy management for stanchion barns

Managing a dairy farm is hard work. You know that better than we do. But we understand that times are changing. That you might like a little less hard work, a little more time in your working day, and a chance to move on from mostly manual systems to some automated processes.

Working with DeLaval DelPro is like having a very smart and efficient farm assistant. It will save you time, and improve farm profitability.

Without having to change your barn layout or rebuild your barn, without having to re-educate your cows, without having to make a huge financial investment, with DeLaval DelPro you will get the real time information you need to make management decisions.

Information is power: having better information will empower you to improve management and profit margins.
DeLaval DelPro™ integrated dairy management system
From stand-alone products to an automated system

DeLaval DelPro is based on data communication for integrated dairy management, to help you make your dairy farm more efficient and profitable.

The communication process is quite straightforward, with information transmitted to and from activities in the barn and your computer. In the barn the milking unit and the feed wagon carry out traditional farm tasks – linked via the wireless unit and system controller to your computer. In your office the computer with DeLaval DelPro dairy management software collects, analyses and monitors data from the milking unit, feed wagon, and other sources. The system provides you with the information you need for making management decisions.

It is the wireless linking of barn based equipment directly to the computer, and the automated flow of information both ways, that enables the integrated dairy management system, a great step forward from simple stand-alone products.

DeLaval DelPro hands you better control: saving time and effort, while processing and delivering fast accurate information. DeLaval DelPro will be the essential management tool for stanchion barn dairy farming.

Dairy management capabilities with DeLaval DelPro™ software:

- Milking
- Feeding
- Reproduction
- Labour
- Communication and support
**Wireless communication for milking management**

A key link in DeLaval DelPro dairy management system is the new milking unit, DeLaval DelPro™ MU480. It is a lightweight, portable and automated unit which simultaneously provides for optimum milking while being wirelessly linked to the central computer.

DeLaval DelPro MU480 sends and receives accurate information automatically. Once the cow has been identified, if there are any alerts or alarms they will instantly be notified, while the cow is being prepared for milking. Milking data is sent with the same speed and accuracy. The era of pencil and paper is over.

This wireless communication is a real breakthrough for stanchion dairying. DeLaval DelPro MU480 will provide up to the minute information on cow productivity to support the decision making process.

Daily milk yield records are one of the most important components in herd management, used to:

- Calculate and evaluate feed rations
- Identify cows in heat
- Provide early identification of potential health problems
- Calculate the actual lactation curve
- Evaluate long-term milk production of individual cows to plan breeding and culling.

With DeLaval DelPro MU480 as part of the DelPro dairy management system, daily milk yield records will be instantly accessible and ready to use, offering you better control of your operation.
DeLaval DelPro™ MU480 features

- Portable milking unit equipped for **two way communication** with the DeLaval dairy management software. This ensures milking data is sent and milker warnings are received, saving time and avoiding costly mistakes.
- **Smart ID** predicts the cow number based on previous milking routines. This speeds up milking and encourages consistent routines.
- **ICAR approved milk meter**, for internationally approved accuracy in registering milk yield. Daily milk yield records facilitate feeding and breeding management.
- **Approved for ICAR milk sampling**. This means that milk samples can easily be taken and tested whenever necessary.
- **Vacuum stability** system so milking vacuum in the cluster remains optimum even with high flow cows. This optimises liner action and milking speed, ensuring fast, complete and safe milking out. It also enables a more effective cleaning process.
- **Duovac** flow controlled milking.
- Very good visual display: four **LED indicators** provide very clear information. It keeps the operator well informed.
- Main **lamp indicator** is extremely visible, providing clear information on milking and signals to warn of problems.
- **Light weight**, extremely portable, can be carried with one hand and can speed through the barn on a mobile **carrier rail**. Easy to use for stanchion milking, based on a proven design for reliability.
- Flexible. DeLaval DelPro MU480 operates with a range of clusters, including clusters specifically for high yielding, high peak flow cows, so you can choose the cluster most suitable for your herd.
- Flow controlled **automatic cluster removal (ACR)**, which saves time and labour, while preventing teat damage caused by over milking.
- ACR can be disengaged if for any reason the operator needs to milk a cow in manual mode.
- Can be used with a full range of liner and milk tube options.
- Milking unit will link with pipeline support and carrier rail to make milking easier while still being flexible and portable.

The milking unit is compatible with **DeLaval dynamic testing and diagnoses DDTD**, the DeLaval service and testing programme.

DeLaval DelPro™ MU450

This is another new milking unit from DeLaval. It has many of the benefits of DeLaval DelPro MU480, including vacuum stabilization. It is an advanced, fully functional milking unit, with a milk flow indicator instead of an ICAR milk meter.

DeLaval DelPro MU450 is portable, light weight, flexible and designed to be a superior, easy to use milking unit. It can be used stand-alone or connected to the system.
Feeding management

Information for automation

Managing feeding your cows is a demanding task. Having good and timely information is essential in order to maintain the level of nutrition needed to optimize cow health and milk production, while keeping feed costs under control.

With DeLaval DelPro dairy management this critical task becomes a lot easier. For the first time in stanchion barns, milk and feeding data can be automatically transferred to and from the DeLaval dairy management system. Ultimately it will connect different DeLaval feeding equipment, to programme and control feed rations.

Balancing milk yield and feed rations

DeLaval DelPro MU480 delivers milk yield data automatically, immediately after each cow is milked.

This provides the information you and DeLaval DelPro need to analyse, calculate and evaluate feed rations, for each individual cow. The milking data, particularly the representative milk sampling data with fat and protein information from ICAR testing, enables you to adjust cow diets for optimal nutrition. Expensive feed concentrates can be used for feeding efficiency, without risking over-feeding and potential nutritional disorders, or under-feeding and a decline in milk production. Feed rations can be adjusted according to milk yield or preset targets.

With DeLaval automated feeding equipment animals can be fed little and often, with the feeding equipment programmed to dispense feed very precisely. Once the system has been set up, feed rations will be adjusted automatically. This efficient system will save time and effort, while ensuring optimal feeding for good health, maximum productivity and cost-effectiveness.

DeLaval DelPro dairy management will empower you to control feeding while improving productivity: reducing feed costs and increasing farm profitability. It will be good for your cows and profitable for you.
Managing reproduction

**Improve herd performance and income**

DeLaval DelPro simplifies breeding management and enables you to easily track reproductive performance. Historical data can be used for planning and forecasting, providing useful support for decision making. The system runs an attention list, with timely reminders, such as when insemination is due.

DeLaval DelPro will keep track of when each cow should be ready for breeding, and will alert you to observe a cow carefully to detect heat, so you can identify the optimal time for insemination. Getting the timing right will improve the chances of successful conception: and by minimising the number of insemination attempts it will save time and costs. At the same time it will improve farm profitability by reducing the calving interval. Having a shorter calving interval saves a significant amount of money, and the larger your herd, the more you save.
Good milking routines

Investing in DeLaval DelPro for your stanchion dairy farm means that you get integrated dairy management capabilities without having to change your tried and well-proven milking routine. But it also means that you gain better information and better control over what exactly is happening in that milking routine.

Each milker can enter their ID in the milking unit. You can then monitor individual milker performance, for instance the consistency and efficiency of their pre-milking preparation, through milk flow and milk yield data.

You can also identify how much milk each milker is harvesting.

Of course once you have that information and can accurately measure performance, you have the opportunity to motivate milkers to improve milking efficiency.
Communication and support
Integrated dairy management

At the heart of DeLaval DelPro™ is DeLaval dairy management software. This is the intelligent system which provides you with integrated dairy management by linking DeLaval dairy management tools. This is what will provide you with ways to better control your milk production and improve farm profitability – without having to change your whole dairying system and way of life.

What does change is how you gather and record information: much of this will happen automatically. What also changes, is the time you or your team will save on basic tasks. What will change is that DeLaval DelPro will support you in improving your prosperity.

With DeLaval DelPro data on milking and feeding automatically transferred to the DeLaval dairy management system. Data is transmitted to DeLaval wireless unit WU100, which then sends it by cable to DeLaval system controller SC. The system controller sends the data on, via cable, to your computer. Having wireless functionality means your milking units or feed wagon can communicate with the computer while being fully mobile within the confines of your barn.

Controlling information

Now instead of having to spend time manually writing down details from each milking session and typing them into your computer, you simply call the information up on screen. Sure, you will have to take a little time to learn how to use the system, but you do not have to be a computer expert.

We learnt from DeLaval experience with herd management for loose housing, and we have improved on that system. So DelPro has a very logical and easy to follow structure. You can get to know the system gradually and will soon find that it speeds up your work and makes decision making easier.

You will get reports and graphs with the information you need for decision support – whether it is to analyse feeding effectiveness, adjusting feed rations in response to milk yield; or to check on cow health, lactation curve persistency; or to monitor the breeding programme. Or any of the many other factors you need to consider.

DeLaval will support you with training, and you are the one who will benefit. DeLaval DelPro will be your smart and efficient farm assistant: to save time, improve accuracy, enhance efficiency and generate profitability.

DeLaval DelPro can also exchange data with third parties: the external entities that require regular reports or the specialist consultant companies which provide advice, for instance on fine tuning nutrition.
Get more from each cow and the most from your farm

DeLaval DelPro integrated dairy management solution hands you the tools for better control, for more profitable dairy farming.

Wireless connectivity provides the automation needed for immediacy in information: with accuracy and speed delivering graphs, reports and reminders for well informed decision making. Among the many benefits, it facilitates tight control of feed costs while meeting high productivity targets, fine tuning feed intake and milking performance.

It all contributes to a favourable impact on your bottom line.