



Automation for feed efficiency

DeLaval Optifeeding™ system



Your solution – every day

Balancing the scales

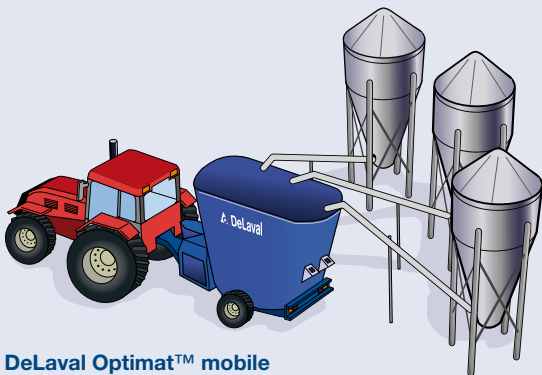


Regular frequent delivery of specific feed rations is essential for dairy farming success. So using automation to optimize your feed management is a profitable investment – for your herd’s health, reproduction and productivity.

Optimal nutrition

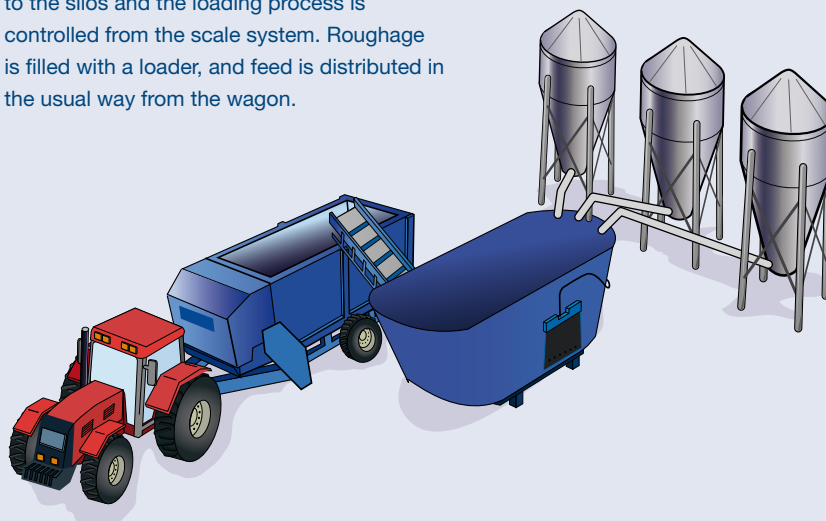
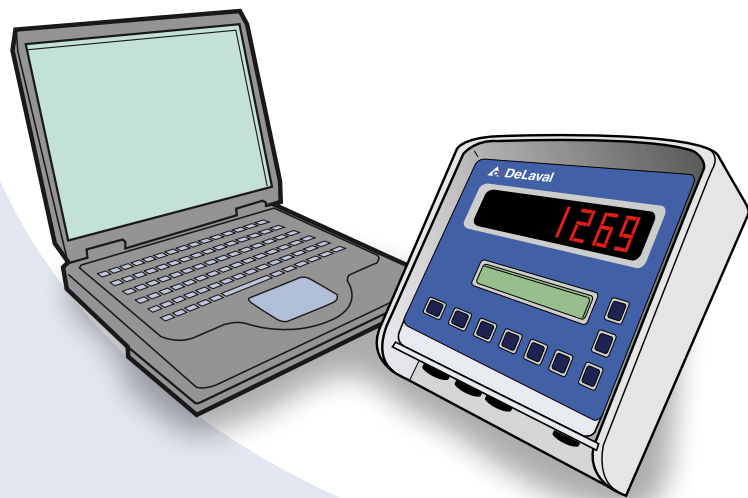
DeLaval Optifeeding™ system provides graduated levels of automation for feeding concentrate and minerals; or for preparing and distributing total mixed rations, TMR. Concentrate and TMR systems can be separate or combined. Your herd will benefit from better nutrition: a better TMR feed mix and higher intake from frequent deliveries – improving productivity and herd health.

DeLaval Optifeeding™ system To prepare and distribute feed – forage, TMR, concentrate	Optifeed™ concentrate	Optimat™ mobile	Optimat™ feeding centre	Optimat™ standard	Optimat™ master
Automatic:					
loading of concentrate		x	x		x
filling of forage					x
mixing			x	x	x
distribution	x			x	x
Build DeLaval Optifeed:					
concentrate silo	x	x	x		x
mobile mixer		x	x or conventional distrib. wagon		
stationary mixer (with loading conveyor for distrib. wagon)			x	x	x
buffer tables for roughage					x
rail suspended distribution wagon for forage/TMR				x	x
Distribute additional concentrate via:					
rail suspended concentrate feed wagon	x	option		option	option
in-parlour feeding	x	option	option	option	option
concentrate feed stations	x	option	option	option	option



DeLaval Optimat™ mobile

Precise amounts of expensive concentrate and minerals are loaded automatically into the mobile mixer wagon. The mixer is parked next to the silos and the loading process is controlled from the scale system. Roughage is filled with a loader, and feed is distributed in the usual way from the wagon.



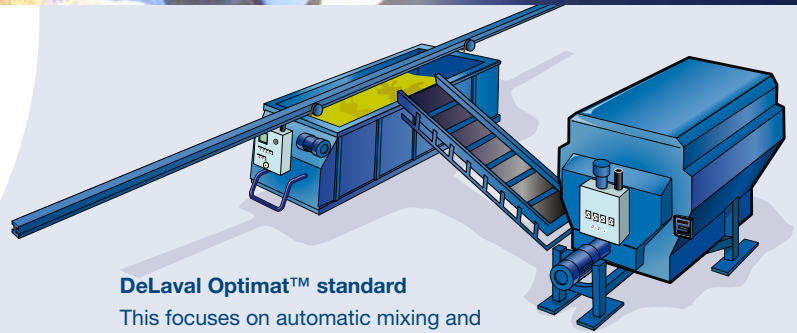
DeLaval Optimat™ feeding centre

Large quantities of TMR feedstuff can be prepared each day in this system. Accurate quantities of each type of feed are automatically loaded and mixed in the stationary mixer. Then feed is delivered to several farms or to different barns on the same farm.



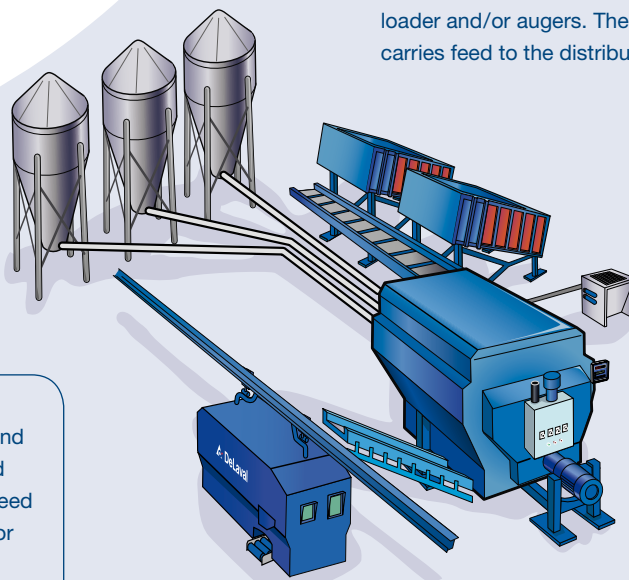
The heart of the system – the scale and control box

Connect existing equipment or add on components as needed: concentrate silos, mobile mixer, buffer tables for roughage, rail suspended distribution wagon for TMR, stationary mixer with loading conveyor for distribution wagon; DeLaval TMR feed manager software, DeLaval ALPRO™ or DelPro™ dairy management solutions.



DeLaval Optimat™ standard

This focuses on automatic mixing and distribution. The stationary mixer wagon is filled in a conventional way using a front loader and/or augers. The conveyor carries feed to the distribution wagon.



DeLaval Optifeed™ concentrate

Automatically distributes concentrate and minerals from silos via a rail-suspended concentrate feed wagon, concentrate feed stations or in-parlour feeding bowls – for individual feeding of each cow.

DeLaval Optimat™ master

This is the full automatic feeding solution. All processes are done automatically – loading, cutting, mixing – and distribution via a forage shuttle.



Benefits of automation

Automation makes it easier for you to deliver TMR: frequent feeding can be very time consuming; measuring and mixing requires attention to detail. Mistakes can mean expensive concentrate and minerals are being overfed. Automated efficiency saves time and guesswork.

Precision and reliability

Automatic control ensures accurate filling, mixing and distribution: the scale indicator can control 100 components in up to 24 batches per day. It works with any existing silos and buffer tables. It activates the motors of augers and feed tables, to load recipe components and unload feed for delivery.

Minimize waste – reduce costs

Control feed costs, saving on concentrate and minerals, as there should be no overfilling.

Reduce labour costs with reduced work load and efficient time management. DeLaval Optimat™ offers flexibility in work routines – the mixer does not have to be filled during peak morning or afternoon work times.

Save energy costs with bulk mixing of feed and rationalizing of delivery.

Reduce feedstuff wastage in the barn with easy adjustment of the rations and accurate distribution.

Use the full capacity of your equipment – feeding equipment works independently and rations can be prepared right through the day.

Save building costs – feed table takes less space.

Maximize nutrition – maximize returns

Maximizing feed quality and feed delivery helps to enable cows to reach their full genetic potential. Frequent feeding leads to higher feed intake and consequently to more milk. At the same time ensuring the right feed balance for each cow, or group of cows, according to their stage in the lactation cycle, reduces the risk of diseases caused by nutritional imbalances. There is reduced risk of either under or overfeeding.

Convenience and connectivity

Existing on-farm equipment – silos, mixers, buffer tables and so on – can be used for DeLaval Optifeeding™ system. Filling equipment like augers, conveyors and liquid pumps can easily be connected to the Optimat™ system. All units can still be operated manually, if needed.

For optimal feeding results both the mixer and the feed wagon can be connected to a conventional computer. Then you can use the advanced DeLaval TMR feed manager software, as well as DeLaval herd or dairy management software ALPRO™ or DelPro™. This links to milking data and offers advantages in inventory control, ration calculations, monitoring operator performance.

Protect feed quality

DeLaval offers special additives to protect feed quality and avoid reheating:

- DeLaval Feedtech™ F400
- DeLaval Feedtech™ Allround
- DeLaval TMR stabilizer

Country 1

Address line 1
Address line 2
Address line 3
Tel XX XXX XX XX
Fax XX XXX XX XX
e-mail address
web address

Country 2

Address line 1
Address line 2
Address line 3
Tel XX XXX XX XX
Fax XX XXX XX XX
e-mail address
web address

Your DeLaval dealer

Choose the level of automation you need – or build your system one step at a time

**Modular investment**

With the DeLaval Optifeeding™ system, the level of automation can be built up gradually. Separate systems can be installed for feeding concentrates and TMR, or they can be combined.

DeLaval Optimat™ enables you to make full use of the capacity of your equipment, and it is easy to connect existing equipment to the new system. The same main equipment, such as mobile mixers and stationary mixers, can be used on different types of farms.

You decide whether you just want to automate feeding concentrate, or whether some level of automated forage feeding is what you need:

- automated filling, mixing and delivery by mobile mixer wagon
- automated filling and mixing of bulk rations for your large herd at a feeding centre
- automated mixing and distribution or
- automated everything – loading, cutting, mixing and distribution.

It's your choice – to fit your budget, your level of staffing, your herd and your ambition.

What do you have? What do you need?

Check your existing equipment and see what equipment you could add to make automated feeding work for you.

- DeLaval scale and control box
- Concentrate silos
- Grain silos
- Mobile mixer
- DeLaval stationary mixer (with loading conveyor for distribution wagon)
- Augers
- Conveyors
- Liquid pumps
- Buffer tables for roughage
- Rail suspended distribution wagon for forage/TMR
- Mineral silo
- Bale handling equipment
- Rail suspended concentrate feed wagon
- In-parlour feeding system
- Concentrate feed stations
- Computer
- DeLaval TMR feed manager software
- DeLaval ALPRO™
- DeLaval DelPro™



DeLaval Optifeeding™ system is part of the DeLaval commitment to Sustainable Dairy Farming: solutions that meet environmental challenges, respect animal welfare and benefit customers and society.