

# NEXT GENERATION FARMING

**GEA's Technology for Sustainable Dairy Farming.** 









# JOIN NEXT GENERATION FARMING

GEA's networked solutions and reliable service support you in making your daily business more profitable while improving herd health. With the help of automated milking and feeding processes as well as manure management we can develop holistic tailor-made strategies for your dairy farm. Making production more efficient and sustainable. Today and in the future for you and coming generations.

## Discover groundbreaking technologies and services by GEA Farm Technologies.

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This brochure contains only a part of our complete portfolio. For more information, please contact your GEA dealer.





# HERD & FARM MANAGEMENT

Simple to use, with consistently updated features:

<u>GEA's Herd Management</u> tools connect with the most modern sensor technologies and make all important data accessible for you. Discover ways of managing your cows and your dairy farm efficiently.

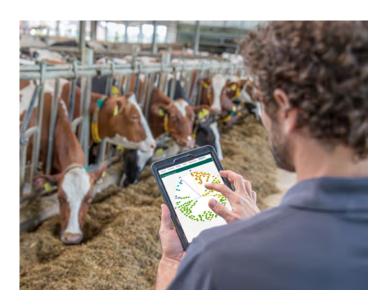
Improve health, raise productivity, save money – herd management with digital technology by GEA offers large and small dairy farms powerful functions for monitoring and managing cow health and operational procedures efficiently on a daily basis. GEA's Herd Management system filters information to provide the streamlined perspective you need for the typical tasks on a dairy farm. With complete life histories, you can get to know each cow better and keep track of her from

birth on, even when the herd grows. Whether it's current milk performance, cell count class analysis per udder quarter or activity measurement and heat detection – early signs and health alerts help you target your response. You reduce milk losses, save treatment costs and improve reproduction performance and calving intervals. Not too much, not too little – exactly the data you need for your work.

## Herd and Farm Management with DairyNet®

Benefit from digital expertise and the possibilities of innovative software tools: GEA DairyNet® herd and farm management puts the focus on your interests as a milk producer and makes your farm's key information available at a glance. Current tasks, analyses, notifications and reports allow you to manage the daily routine of your herd and your farm with ease.

The DairyNet® app puts the herd management system directly into your hands: your smartphone or tablet becomes your office. This means you can easily take care of management tasks in the barn, in the field or on the go. Digitalised processes not only save you time and money, but also let you keep an eye on all procedures and optimise them directly.



DairyNet® is currently available for DairyRobot R9500. Step by step, it will be launched for the automated rotary milking parlour DairyProQ and conventional milking systems. Until then our proven herd management software, DairyPlan will remain available for these systems.

# Heat Detection, Health Monitoring and Cow Positioning with CowScout

Reduce reproduction costs and optimise your cow management while simultaneously increasing the economic success of your milk production.

CowScout reliably tells you when your cows are ready for insemination. Convenient alert functions ensure that you never miss an activity report. Moreover, CowScout supports you in keeping your herd healthy. With your PC, tablet or smartphone, you can gain insight not only into your current reproduction data, but also into eating and rumination times. CowScout shows you any periods of high or low activity for each individual cow and even its live location. When equipped with the positioning function in a barn, CowScout will transmit the exact position of single or multiple cows in real time. All in all this gives you an excellent basis for quick reactions and successful fertility and health management.





## **System Monitoring**

In real time, online and thanks to the app, on the go. With GEA FarmView, you can analyse the current performance of your automated milking system. Remote access enables faster response times and the online support provided by your dealer saves time and money.

This innovative software solution lightens the load of your daily routine and is an ideal complement to your overall herd management system.



# AUTOMATED MILKING SYSTEMS

Benefit from top milk quality, productivity and efficiency with a system that can work with any herd size or management style. Automated milking systems from GEA are used worldwide as box systems or as automated rotary parlours. Discover the countless possibilities of the <u>GEA DairyRobot</u> product line.

Enjoy the ergonomic and intuitive design of our robotic milking systems. Benefit from excellent milk quality with the **In-Liner Everything®** milking process. Find out how the optional GEA cell count sensor, an early detection system for mastitis in every individual udder quarter, can improve animal health management in a pioneering way. Above all, reliable services complete the unique concept in the field of automatic milking. When it comes time to choose an automated milking system for your farm, choose GEA.



## Milking Robot DairyRobot R9500

Whether as a single or multibox system, whether voluntary milking or group milking with fixed milking times, whether free or guided cow traffic – automated milking with GEA's DairyRobot R9500 provides you with the most modern milking technology and at the same time promises maximum flexibility in farm design. The compact box can be seamlessly integrated into your new or existing facilities.

With its unique milking routine, its modern herd management and ergonomic cow handling features, the system ensures high working comfort and animal health as well as hygienic milk production all the way to the tank.

With an unobstructed view and easy access to the udder, the operator can freely intervene in the milking process at any time, when it comes to training new heifers, handling special needs cows, or drying cows off. The current milking process can be monitored on the touchscreen display in real-time. With such sophisticated technology and convenient user-features, your management activities can be quickly completed, and efficiently as possible.



With the GEA DairyProQ automated rotary milking parlour, you can milk from 600 cows upwards automatically. Your team will appreciate the highly modern and motivating work environment with a focus on animal care. While the operator monitors milking, the herd management system delivers valuable information to help keep an eye on cow health. In the meantime, you can structure operational processes transparently with fixed milking times and working hours. Available in 28 - 80 milking stalls.

DairyProQ ensures around-the-clock milking with high reliability. Because each milking stall module operates independently, accessing its own control system and milk rack, milking can be carried out at all times. If one module fails, the stall can be temporarily blocked, and the service module can be quickly exchanged in one of the next rounds. Thanks to this unique feature, you simply carry on milking automatically.



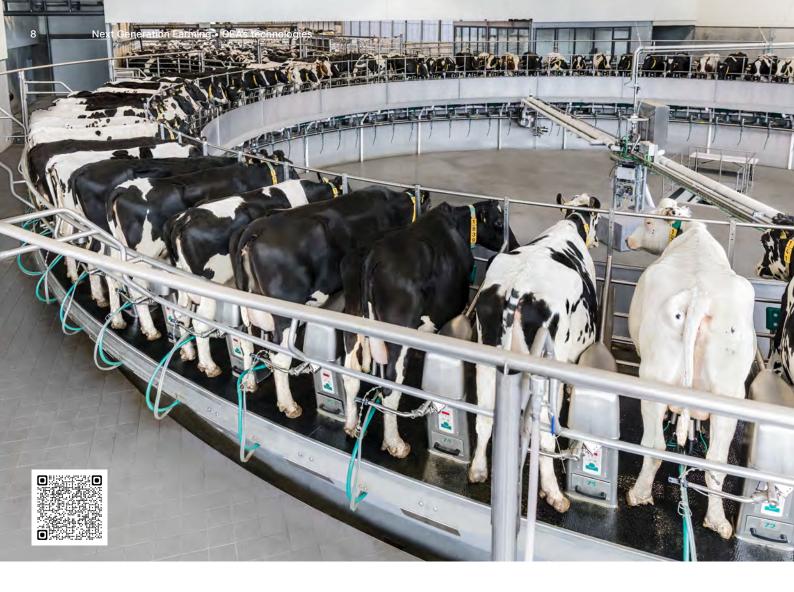






The innovative milking stall module is the heart of our automatic milking systems and can be found in both our DairyRobot R9500 box milking system and the automated rotary milking parlour DairyProQ. Therefore, we can offer you tailor-made solutions from 40 to more than 1000 cows for:

- Voluntary milking of single cows at free milking times
- Group milking of cow groups at fixed milking times



# CONVENTIONAL ROTARY MILKING PARLOURS

With a rotary milking parlour from <u>GEA DairyRotor</u> line, you can milk more cows in less time while reducing labour input. Maximised throughput, increased durability, and higher efficiency form the basis of this profitable investment!

A rotary milking parlour from GEA's DairyRotor line offers you uncompromised durability and a flexible operational design where you can structure the milking routine exactly as you choose. Benefit from the ergonomic handling of milking clusters and control units and determine the degree of automatisation yourself all while achieving optimal cow flow. Combining comfortable milking processes with your desired number of milking stalls, each one of GEA's milking solution is engineered for the best in operating efficiency with the fewest number of people in the parlour.

Would you like to stay with two milking times per day? Or are you planning a continuous 24/7 operation? Energy-efficient, low-maintenance components make sure you get robust performance and long lifetimes out of your rotary system. Every rotary milking parlour of GEA's DairyRotor product line revolves around decades of experience made by countless system start-ups worldwide. Join the leaders in the latest milking machine technologies.

With an external rotary milking parlour from GEA, you benefit from continuous processes and high work efficiency. For high throughput performance, all components work together in a holistic concept. Operators maintain short working distances and a clean working environment, keeping everything on track. An open cabinet design and spacious side-by-side milking stalls allow the cows to enter the rotary milking parlour quickly. Trust the streamlined, ergonomic attachment and the gentle, hygienic milking process, as GEA's leading

dairy technology paves the way for high productivity and quality milk production.

If your goal is to milk more cows with less labour and increase performance, then an external rotary milking parlour from GEA should be your first choice. For herds upwards of 150 cows and any number of milking stalls you wish, we design the rotary milking system according to your individual farm concept!





## DairyRotor T8500

Proven on pasture-based farming operations in Australia and around the world, the T8500 rotary has been designed to achieve more with fewer people, thanks to single-operator controls and smart on-platform automation.

The carefully considered bail and railing design helps cows move quickly and naturally, and the cluster drop down system prevents tangles and platform stoppages. The low maintenance, heavy-duty bail design is available in two sizes with adjustable rail positions to suit all breeds and sizes, ensuring cows are comfortable during milking.

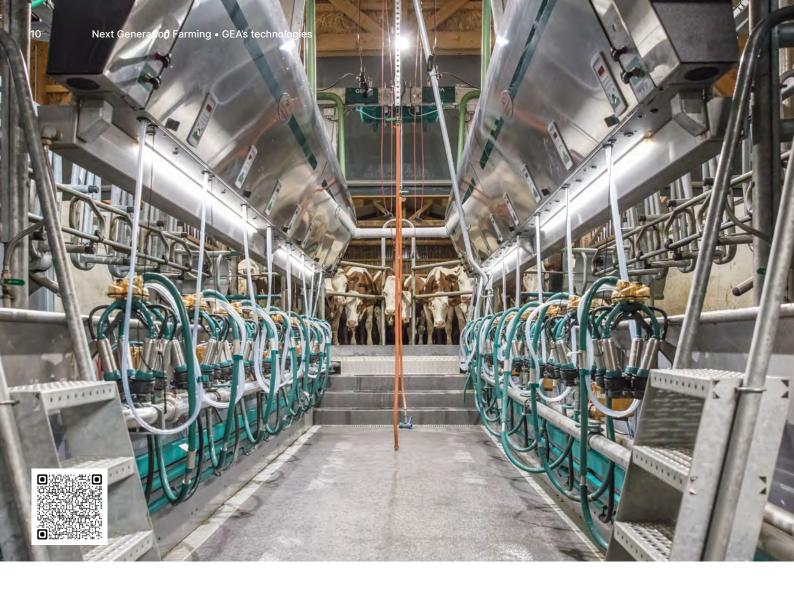
## DairyRotor T8900

T8900 is tailored for high performance and seamless processes right down to the smallest detail – from cow traffic through to process handling and milk flow. With customisable 32 - 120 milking stalls and a flexible design: 75° or 90° stall position, all system components of the DairyRotor T8900 are extremely durable and designed to withstand the demands of continuous operation.



## **System Controls**

User-friendly, reliable and straightforward, GEA's control systems make it easy for you to keep an eye on all milking-related processes and synchronise procedures such as crowd gate operation and automated cleaning technology. Core functions such as starting, stopping and regulating speed or handling the crowd gate are in easy reach on the control panel. Working together with milking control units and herd management systems, it provides a visual overview of ongoing processes.



# CONVENTIONAL GROUP MILKING PARLOURS

<u>GEA's DairyParlour</u> product line offers a wide range of solutions for the milking parlour that suits you best. Keeping an eye on cow health, efficient milking, high throughput and profitable yields are the top priorities. So, it almost becomes secondary whether you choose milking from a GEA herringbone parallel (side-by-side) or tandem milking parlour.

A milking parlour from GEA's DairyParlour line can be perfectly adapted to the milking routine at your dairy farm. Do you need economical, basic milking equipment or high-tech automation, continuous exchange with the herd management system or an option with rapid exiting? No matter whether you have a barn or pasture-based system with a small or large herd, every GEA milking system allows for efficient milking processes, high throughput and productive yields. Animal-friendly stall

design, optimal cow positioning and a fast and gentle milking process have a positive effect on udder health.

Let GEA support you. Your individual solution will be optimally tuned to the available manpower, the size of your dairy farm and the planned budget.

## Side-by-Side Parlours

Improve throughput performance and number of cow milkings per day. With a parallel milking parlour from GEA, you can milk more cows per hour in the most efficient way - in a space-saving footprint. Operators can quickly attach through the rear legs and indexing functions position the cow comfortably in the stall, regardless of breed or cow size. With your choice of milking clusters and control units, you can take advantage of the possibilities of modern herd management and make the milking routine convenient and efficient for you, while at the same time optimising cow comfort for your herd.

Want to speed things up? A vertical lift exit gate helps you carry out incredibly fast group changes.



## Herringbone and Swing-Over Parlours

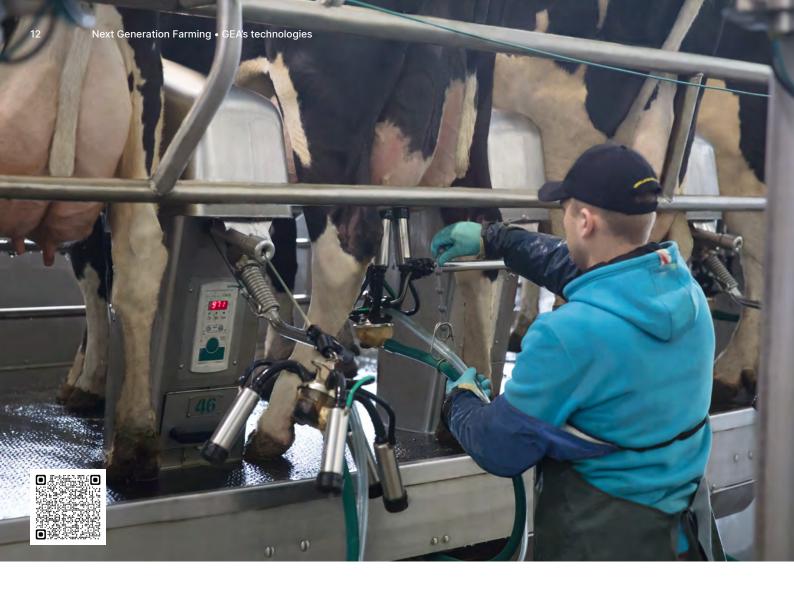
Quick group changes and precise positioning let you achieve high work efficiency with the herringbone milking parlour. Wide alleys allow cows to enter the milking stall stress-free and stand comfortably and relaxed for better milking. The convenient milking stall dimensions enable fast attaching over short distances, offering an excellent view of the individual cow. For easy ergonomic handling and little effort, the milking clusters and control units are placed within easy reach.

Are you looking for a way to further increase throughput and profitability? Thanks to short retention times and fast group changes, the optional "Rapid Exit" helps you save significant time and the integrated indexing functions speed up and simplify attaching.

A practical modification of a herringbone parlour: With the swing-over milking parlour, you take care of two milking stalls opposite one another with only one milking control unit and milking cluster. The function of the iNTELARM makes it possible for the milking arm to be positioned in the middle of the milking pit in a herringbone parlour. When you swing it over to the side where you want to start, you instantly have the milking cluster at the ergonomic height you need. The milking control unit takes over milking management for you and sends the herd management system the relevant data on the cow and milking stall, depending on the level of equipment installed. You can switch over to the other side and finalise the milking procedure.







# MILKING EQUIPMENT

Optimise the milking process with your choice of milking equipment. GEA's DairyMilk product line has milking parlour components and milking technology for all your needs. Let us support you in your daily milking routine.

Milking parlour components and a proper vacuum increase the efficiency of your milking system as well as work and cow comfort during milking. At GEA, you will find a wide range of field-proven and highly functional milking clusters and milking control units that milk both animal-gently and efficiently. Even in the background, the proven GEA milking technology works together. Stable vacuum on the teat and continuous pulsation have a positive effect on udder health.

Discover the possibilities to simplify working routines, increase productivity and optimise milk yield.

The GEA DairyMilk product line offers the best foundation for a clean and hygienic milking environment - and of course, high milk quality. This is how you milk safely, quickly, gently and completely.

## Milking Clusters, Milking Control Units, Stall Accessories, Vacuum Pumps

GEA provides you with functional milking clusters and longlasting liners, made from rubber or silicone. GEA's milking clusters including the worldwide popular Classic milking cluster and the IQ milking cluster, ensure that you always have maximum milk quality, quantity and udder health. Using it is incomparably easy! Easier attaching, milking and maintenance.

Stall accessories from GEA help you improve ergonomics, facilitate work procedures as well as support milking staff and cows during milking. Ergonomic and symmetrical positioning aids simplify the attachment process, all whilst ensuring minimal pressure to the udder.

During the milking procedure milking control units from GEA offer practical functions, manage components involved in the milking process and take on essential tasks around milking. They take care of stimulation, pulsation, controlled milk flow as well as milk volume measurement and initiate milking cluster removal.



#### **IQ Cluster**

The IQ milking unit harnesses revolutionary four-chambered technology to promote the most efficient milking while maximising milk quality and udder health.

The milk-channelling technology on the IQ is designed to emulate the structure of the cow's udder. It is subdivided into four channels, and each channel collects the milk separately, guiding it to the central output. Supported by a gradient in each milk chamber, this takes place rapidly, with minimal turbulence to protect the quality of the milk. In addition, the four-chambered unit reduces teat-to-teat crosscontamination of bacteria, promoting optimum udder health.





The IQ milking unit incorporates automatic vacuum shut-off for a quiet milking focused on milk quality. The unit is equipped with four stainless steel balls in each milk chamber, to block vacuum when cups are not attached. Therefore, a full vacuum for each of the quarters is only activated when the teat cup has been closed off by the teat – this helps to eliminate contaminants from being sucked into the milk supply during attachment or unit fall-off. Due to this, the vacuum within the unit is more stable as there is no air admission during attachment. This feature also positively impacts milk quality as there is less manure or other contaminant sucked into the milk line, leading to cleaner milk filters and higher quality milk.

#### Classic 300 & Classic 300 Evolution

The Classic 300/E Milking Unit is the industry standard designed for high-capacity milking of today's high producing dairy cows. The Classic 300/E is constructed using high grade stainless steel and the strongest and longest lasting composite material in the industry.

Available with different claw piece configurations to suit varied udder conformations, allowing you to find the perfect fit for your herd. The claw top on the Classic 300 is designed for normal to wide teat settings, whereas the claw top on the Classic 300 Evolution is designed for narrow to normal teat settings.

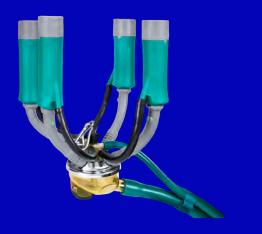
The flow-promoting design of the Classic 300/E supports rapid removal on the milk without any detours or restrictions on flow. This also aids in gentle treatment of milk. These features result in better adhesion to the teats, faster throughput and optimal milking.



#### **Global GQ Liner**

GEA's new Global GQ silicone liners promote gentle milk harvest with shorter unit on times. The unique material properties and innovative engineering provide excellent teat fit. Shorter unit on times help you get cows in and out of the dairy faster for superior efficiency. The GEA GQ portfolio of liners is designed for your Classic 300/300E and IQ milking units and are compatible with a variety of competitive units. Best of all, they are made to last - you can enjoy an exceptionally long service life between change intervals while maintaining superior milking performance. Featuring a number of Anti-Twist features to prevent the liner from twisting inside the shell and compromising milking performance. The unique barrel design of the GQ liners combines the best features of a round and square shaped liner into one barrel, providing superior massage action and better teat-end condition. Additionally, the unique taper design of the GQ barrel means it can optimally milk a wide range of teat sizes and shapes without sacrificing performance.





#### **Global Shell**

GEA's new Global Shells are designed to match precisely with the Global GQ silicone liners. Made from extremely durable fully composite materials, the shells encompass many innovative features to provide optimal performance. The shells have a number of Anti-Twist features such as top and bottom locking and an easy to see alignment triangle to ensure the liner doesn't twist inside the shell. The recessed ribs and flared bottom of the shell provides added grip when attaching and positioning the milking unit. Additionally, the lightweight material of the shells aids in improved ergonomics and easier unit attachment.

## **Detachers**

GEA's range of detachers include the DeMax and DemaTron family of milk control units. Offering varying levels of complexity and information, from easy cluster removal through to ICAR-approved milk metering with cluster removal.

These systems are configurable to meet your farm's needs, even as they change over time. The DemaTron/ DeMax family can be expanded in a seamless manner and installed in existing or newly planned systems. With little effort, the DeMax control unit can be upgraded to a DemaTron.

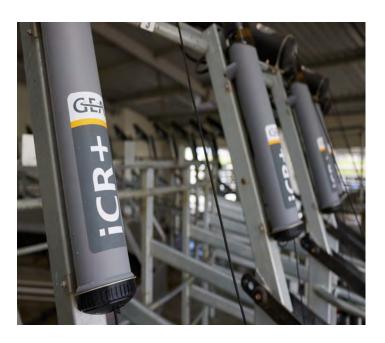


### **DeMax**

The DeMax milking control unit offers you an intelligent entry point into the modern automated milking process and a perfect solution, if cluster removal is of primary importance. GEA's DeMax detacher system with flow sensor provides maximum milking comfort. Featuring simple, convenient controls with an ergonomic control panel at each stall plus optional remote start or easy start.

## **DemaTron**

The DemaTron range of milking control units combine cluster removal with milk yield monitoring. Combining all the benefits of the DeMax system with a visual display of milk yield indication or milk weight cowside. There are different versions of the DemaTron system available, offering varying levels of milk management – from basic yield indication to the highest accuracy milk weights available with conductivity monitoring.

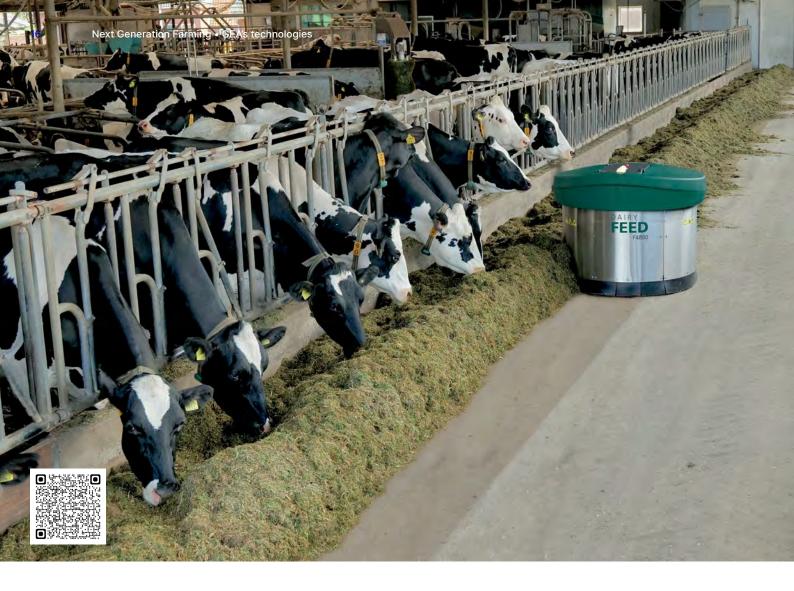




## ICR+

iCR+ is a highly intelligent cluster remover that offers features previously only available with high-end automation systems at an affordable price. Designed for simplicity, the system is easily fitted, easily commissioned and is made easy to operate due to innovative product design. With iCR+, the operator is in full control of the milking point. The LED's and warning strobe lamps located in the head of the ram indicate the mode of control and if a problem occurs during milking. Key features include:

- Heavy duty, powerful ram with high visibility indicators located in the head
- The kick off sensor shuts off the vacuum on the claw and retains the cow on the platform if fitted with a bail restraint system.
- Flexible software to customise the product for each specific installation
- Integrated iSPRAY pre and post spray options.



# FEEDING TECHNOLOGY

Performance-orientated feeding is a key factor for high milk quality and rising yields.

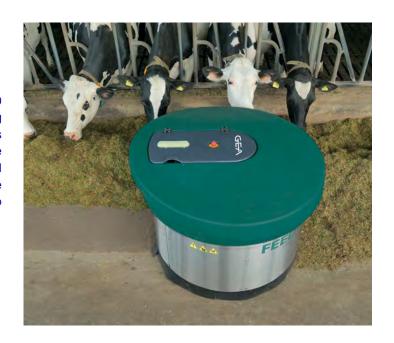
Take advantage of the work management benefits of an automatic feeding system from <u>GEA's DairyFeed</u> product line for the individual feed supply per group.

Promote the feed intake of your performance groups with fresh TMR rations, in small portions throughout the day. GEA's Automated Feeding System weighs, mixes and distributes the feed as you have planned and takes over the labour-intensive feeding tasks from you. GEA's Automated Feed Pusher eases the workload, pushing the feed towards the feed fence at intervals chosen by you.

If you want to additionally support your cow's performance, the automated concentrate feeder distributes the concentrate individually, precisely as it is needed in the lactation phase. In the youngstock area, the automated calf feeders provide the calf milk and concentrated formulas necessary for healthy growth right from the beginning.

## Feed Pusher DairyFeed F4800

Fully automated, reliable, and precise. GEA DairyFeed F4800 takes over the laborious task of pushing feed and working around the clock, at fixed times set by you. It supports increased cow visits at the feed fence and therefore intake of dry matter, resulting in more milk production. DairyFeed F4800 is fitted with established technology and pushes the feed precisely up to the feeding fence, enabling the cows to reach it easily without having to stretch.



## Dairy Feed Calf Feeder

Each calf develops differently – therefore, individual feeding is the key to success. The GEA automated calf feeders can be programmed to meet animal requirements: whether for raising or fattening. Each calf will receive what it needs for healthy growth.

Automated calf feeders make the day-to-day feeding of calves easier and help minimise the routine tasks involved with raising calves. They can be used as a stand-alone unit or in conjunction with a herd management program to create a highly economical calf management system. Every calf can be recorded and monitored from the day it is born.





## Feeding Robot DairyFeed F4500 (Available at selected markets)

The autonomous feeding robot weighs, mixes and distributes up to  $2.2~\text{m}^3$  of fresh TMR feed every hour for up to 300~cows in different nutritional groups. It ensures that customised rations are perfectly prepared in accordance with the feeding cycles set by you. The robot also takes over the work of feed pushing after and between cycles.

Fitted with navigation sensors, the F4500 creates a precise map of the farm allowing to work out the ideal routes for distributing feed. The robot can constantly localise its position, recognise obstacles and avoid collisions, safely navigate between barns, on uneven floors and travel on inclines of up to 10%. With the F4500 no major farm modifications are needed.



## MANURE MANAGEMENT

GEA ProManure offers you intelligent manure technology from manure removal systems in barns to distribution in fields or efficient exploitation. However our systems are also ready for more sustainable demands, such as manure recovering or processing as well as emissions reduction.

Put the focus on performance, efficiency, reliability, and safety: For sustainable manure management, GEA's ProManure product line offers you intelligent solutions from manure removal systems in barns to proper manure transport and manure application in fields all the way to processing in manure separators for fertiliser or bedding material.

The product range offers you a wide selection of high-performing manure technology with reliable equipment. With GEA's ProManure product line, you benefit from profitable advantages for the bottom line of your farm. Years of know-how, as well as tried and tested concepts for manure handling, help you get the most out of nutrients in an efficient, environmentally friendly way.

## Free Stall Alley Cleaner Systems

Good hygiene standards lower infection pressure, prevent claw diseases and mastitis, and promote animal hygiene. This makes clean slatted floors essential for profitable milk production.

### Scraper Systems with cable, with chain or hydraulic

GEA offers special scraper systems, which can be easily installed on-site, with high-quality manufacturing as well as long service lives and safe operation. Whether cable, chain or hydraulic scraper – we will be pleased to offer advice, based on your requirements and farm situation.



## Flush Valves

A flush system is designed to effectively clean dairy farm alleys and holding areas. Automated and low maintenance, using it requires very little labour and keeps cows clean.

- Stainless steel base for a long life span.
- · Consistent and controlled flow.
- · High volume directional flush.
- Labour and time savings.
- Simple and reliable controls for up to 30 flush valves.
- Robust and reliable 8" (203 mm) airbag to open and close valves.
- Requires only 40psi to shut off 26 feet (8m) of head pressure.

A complete range of flush line fittings is available to ensure maximum performance and durability.



## **Manure Handling and Processing**



## **Pumps and Agitators**

Pumps and agitators play a decisive part in the further processing of the manure which has been gathered.

The use of the most suitable machines on your farm depends on the viscosity of well-agitated manure. You have the choice between piston pumps, electrical pumps and agitators as well as power take-off shaft (PTO) pumps.



#### **Separators**

Through separation, the liquid and solid materials in manure can be recycled and the amount which has to be stored can also be considerably reduced. GEA is attuned to the various demands of your manure management system. From the two-stage separator for manure produced from flush systems to the combination of a roller press and dewaterer, we can offer you optimal separation solutions – suited to your needs and tailor-made to your space requirements.



# MILK COOLING & STORAGE SOLUTIONS

Efficient cooling and storage systems to reduce energy costs.

## Your cows produce precious milk every day and fundamental to the task of collection is the storage.

Milk quality can only be guaranteed when the milk cooling process is efficient and reliable. The refrigeration of milk is essential to maintain its quality, prevent bacterial growth and ensure high quality milk for processing. Whether it is a standard solution for storage of milk or an integrated solution which takes in smart controls, snap chilling, energy saving and heat recovery, GEA has a solution to meet your cooling needs.

#### Intelligent cooling strategies, individual tailoring

GEA provide you with the perfect, long-lasting cooling strategy.

Ensure that your milk is of the highest quality while minimising energy use and ongoing operating costs at the same time. Also, take advantage of the extensive selection of tank variants and volumes. In combination with high-performance cooling units, the entire system can be individually tailored to your production method from the milking to the tank. Compatible heat recovery systems also transform your cooling system into a small power plant. Produce free hot water, purely as a sideline and at zero expense!

## **TCool - Horizontal Cooling Tank**

## TCool - Storage, cooling and monitoring.

Available in six diameters from 1,010L to 33,500L, the TCool horizontal milk tank prevents the formation of thermal bridges and limits the temperature increase to 0.5°C in a period of 12 hours. The ICool control system enables you to monitor and control every parameter of energy consumption, and the unique cleaning procedure to alert you of any errors which have occurred. Get the most out of your ICool control system with ICool Analyzer. An analyzer gives you easy access to status information for up to 4 cooling units and the agitation process. The software also provides an option to record comprehensive volume and temperature profile information. You can access the last 100 washing cycles directly from the display, and archive up to 10 years' worth of data onto a USB stick.



## **Cooling SiCool**

### **High storage for maximum returns**

The Silo SiCool (available in two diameters) protects up to 40,000 litres of milk in weatherproof tanks outdoors. Low space requirement, full yields, equipped for all weather conditions, Silo SiCool is the stable solution for outdoor milk storage.

The high-quality insulation of the tank proves to be a particularly efficient component, ensuring that the ideal storage temperature is maintained over long periods. It monitors all processes, including cooling and agitation, and starts the integrated cleaning system for a high standard of hygiene with minimum water consumption.



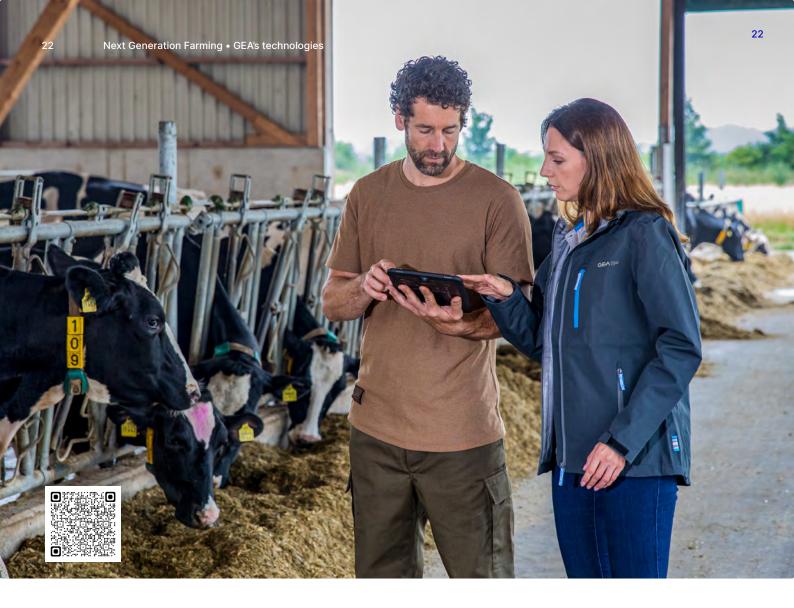


## aquaCHILL - Snap Chilling Solution

aquaCHILL is designed to help any farmer to meet cooling standards, and ideal for a retrofit situation or a new install. aquaCHILL is a booster for your cooling system.

The aquaCHILL is a direct-on-line snap chilling system. What this means is that the power available for cooling at the Plate Heat Exchanger (PHE) is only what is produced by the chiller. The aquaCHILL only runs during milking. The Glycol is circulated through the evaporator to the milk

PHE and back to the buffer tank. The buffer tank provides a 'thermal shock absorber' and prevents the compressor short cycle with milk pump switching.



## DAIRYSERVICE

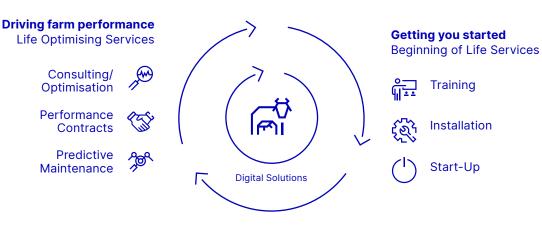
Optimal equipment performance, long machine uptimes and at the same time, more financial security on your farm. <u>GEA DairyService</u> – For your continued farming success.

From our strong global dealer network, we offer comprehensive services for dairy farms of all sizes. Our global DairyService portfolio supports you every day: in maximising milk quality, enhancing parlour efficiency, optimising cow health, reducing system downtimes, controlling costs and sustaining peak equipment performance. Our services cover the entire product life cycle and offer exactly the right solutions for your requirements.

### **Digital Solutions**

Throughout the entire life cycle, digital solutions are the first choice for monitoring, analysing and especially optimising productivity. Your local dealer offers online support: if needed, the remote access guarantees fast technical help. This is how you save time and money.





## **Keeping it running**Lifetime Services



Animal Health



Upgrades/ Refurbishment



Scheduled Maintenance



Operation/ Troubleshooting



Parts/ Consumables

### **Beginning of Life Services**

We offer you full support for your new equipment: we train you and set up the equipment according to the specific conditions of your farm. Our experts make the start-up as easy as possible – for your success – right from the beginning.

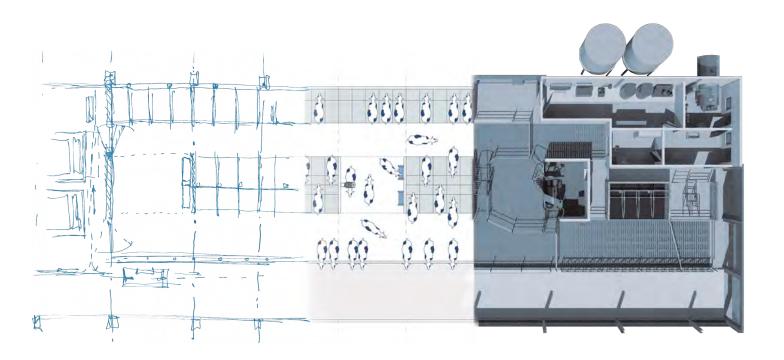
#### **Lifetime Services**

Proactively planned Service visits - thanks to the DairyService agreement, scheduled maintenance will always occur at the right time with the right parts. This also includes the supply of consumables and products for animal health and hygiene. Upgrades support the value retention of your equipment. GEA Originals, genuine spare parts, liners and consumables, are perfectly aligned with your GEA equipment and offer a decisive advantage – for the best results on your farm.

### **Life Optimising Services**

We work with you to achieve the best possible system performance over its entire service life. This includes predictive maintenance, consulting and optimisation of milking processes and monitoring of milk quality and animal health. Our consultants for Herd Management, Feeding and Milking will be at your side. Performance agreements may be the solution to achieve additional security and cost control.





## FARM DESIGN

Dairy farms are so varied in their structure that their planning also needs to be truly individual. GEA's planning experts advise you on all questions concerning your future construction projects and develop your personal farm layout for efficient work routines.

Regardless of herd size, our goal is to optimise the interaction between you, your cows and your technology. Every plan is a customer-specific solution in which individual operational requirements and general factors such as climate, ground or local conditions play a role.

With respect to herd management, we put emphasis not only on cow welfare and traffic, but also on the design of our personal work areas inside the barn and around the milking system.

Instead of focusing on a single area, we always keep an eye on the entire farm and all the systems used. Benefit from the long-term international experience of our architects and engineers – in cooperation with other partners involved in the project, we support you from concept development to detailed technical planning.

# YOUR NEXT STEP

Would you like to learn more? Contact your local dealer!



Scan QR code to find your local dealer





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