Engineering for a better world.

GEA.com

GEA DAIRYROBOT R9500

Your Automated Milking System. Our Masterpiece.





YOUR FARM. YOUR CHOICE.

What is important to you?

- Individual solution tailor-made for my dairy farm.
- Implement the milking routine and cow traffic concept that suits me best.
- Adaptable system that can be integrated into the existing farm structure in a cost-effective way.
- Efficient and cow-friendly milking for best milk quality and animal health.
- Make work routines flexible and save time.
- Manage daily tasks quickly, easily and conveniently at a central place.
- Best visibility and unrestricted, safe and comfortable access to the udder at all times.
- Profitable milking with low operating costs.
- User-friendly technology with free access to all data and figures at any time.
- Trustful dealer and service partner I can rely on 24/7.
- Robust, high-performing system with a minimal risk of downtimes.
- Sustainable business thanks to an overall future-proof dairy farm.

OUR PROMISE.

A customized solution that meets your individual needs allows you to work efficiently every day. You will enjoy unparalleled comfort with full operational transparency. Let us work together as partners to make your dairy farm even more sustainable. We want you to be happy and successful with your milking system in the long term.

Your perfect fit
Discover the greatest flexibility in barn design and milking routine for all farm sizes thanks to our modular concept. Together we develop your individual solution for new or existing buildings in line with your favorite milking and cow traffic style.

Efficiency meets comfort
Experience well thought-out milking and cow management. A unique milking process and a central, ergonomic workplace for efficient and comfortable handling of the entire herd await you.

Everything in view
Benefit from full transparency and pioneering herd and farm management. It has never been easier to keep an eye on animal data, operating costs as well as system performance and hygiene.

Always by your side
Trust in a long-term partnership and reliable service. We put our focus on you, your cows and your milking system – from planning phase to start-up and throughout the entire life cycle.

Today and in the future
Rely on experience, quality and competence. We have been supporting farmers for 100 years and pursue a holistic approach to make your milk production sustainable and fit for the future.



YOUR MILKING SYSTEM. OUR MASTERPIECE.



Modern and sophisticated design: every part of our DairyRobot R9500 has been thought out down to the smallest detail. Get to know these further.

End frame with touchscreen
At eye level and ergonomic: At the clean workplace you have a clear view of the cow and free access to the udder at all times.



Our separate **Supply Unit** provides up to four DairyRobot R9500 boxes with electricity, compressed air and water as well as cleaning, dipping and disinfecting agents. The more boxes you connect to the Supply Unit (max. 4), the more energy you save per box.



Receiver unit
The milk is transported gently from the udder through the sensors to the milk receiver, taking the shortest way.

Feed trough
The feed trough swings to the side, clearing the way for the cow to exit the box quickly.



Entrance and exit gate
The cow enters the box from the side and exits either to the side or straight ahead.

Milking stall module with robot unit
For quiet milking right from the start, the milk rack swings under the cow by making only one move. Then it follows every movement of the cow without the use of energy while the cups cannot fall on the floor.





Unique platform strategy.

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 as well as in the DairyProQ automated rotary parlor. Therefore, we can offer you customized 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

Barn Design. Milking Routine. Cow Traffic.

JUST AS YOU WISH.

Your perfect fit

The DairyRobot R9500 makes you extremely flexible in regards to barn concept and milking routine: Choose an individual barn design that supports your work routine best and arrange the boxes as you wish – whether in new or existing buildings. Go for voluntary milking or group milking at fixed milking times and adjust the cow traffic according to your preference.



Main customer needs:

I need an individual solution tailor-made for my dairy farm.

I want to implement the milking routine and cow traffic concept that suits me best.

I am looking for an adaptable system that can be integrated into the existing farm structure in a cost-effective way.

A modular concept that leaves all options open.

We are not limited to only one solution, but we will find exactly the right one for you. Our modular system allows us to put together exactly the right package to meet your individual needs.



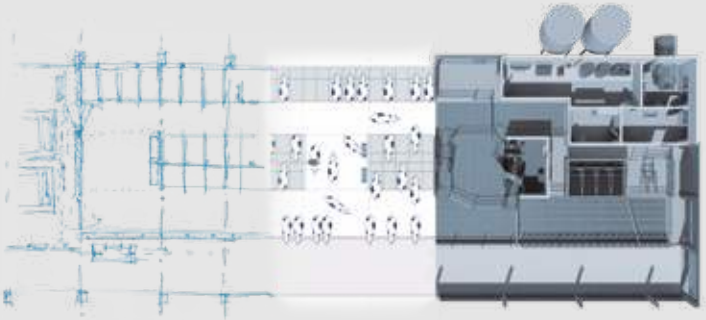


Smallest box. Greatest flexibility.

Extremely space-saving as single or multi box system.



Less space than you might imagine.
With its 5.3 m² footprint and lowest box height, the compact box has the smallest space requirement on the market. When arranging multiple boxes, up to 40% of space can be saved compared to other milking robots. This reduces investment costs and increases profitability.



Made for you.

The optimal planning for your farm is individually customized by our GEA planning specialist: from the first sketch to the smallest detail, matching the existing infrastructure on site, according to your wishes and the requirements of your herd.



J-flow
Practical for single boxes as well as multiple boxes arranged head-to-head or side-by-side.



K-flow
Allows the boxes to be positioned in a row.

Versatile in use.
The DairyRobot R9500 can be used flexibly: The side entry intuitively guides the cow into the box and can be combined with a straight exit (J-flow) or side exit (K-flow). This way you can arrange the boxes as you like – stand-alone as a single box as well as next to each other or in a row as a multi box system.



Fits in everywhere.
Whether new barn, retrofit, or modification of an existing milking parlor, plan the robot installation your way.The DairyRobot R9500 is your universal solution that can be integrated almost anywhere. For example, if you place your new milking robot in an old milking parlor, you can use the existing pit.





Makes everything possible.

You decide which style of milking and cow traffic is right for you.

You can combine voluntary milking in a single or multi box system with free, semi-guided or guided cow traffic. Depending on the cow traffic style you choose, you could divide your barn into separate areas: feeding, resting and milking. Did you know that a cleverly implemented cow traffic concept can save up to 5 hours of working time per cow and year?

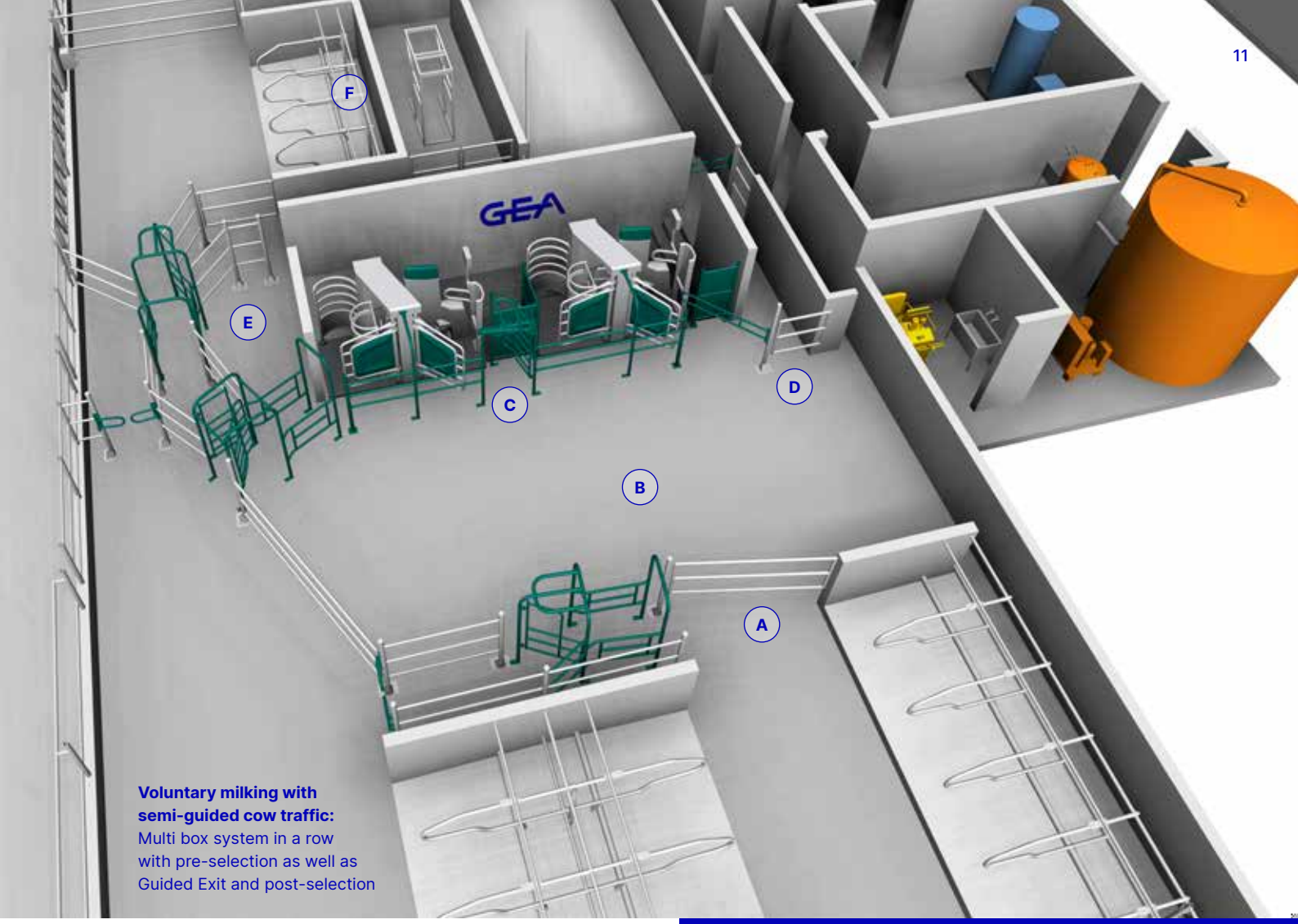
Our milking robot can also be combined with the advantages of a group milking parlor: The parallel arrangement of the boxes enables efficent automated group milking at fixed milking times.



Voluntary milking with free cow traffic:
Single box with post-selection after milking



Group milking at fixed milking times:
Parallel setup of the boxes



Voluntary milking with semi-guided cow traffic:
Multi box system in a row with pre-selection as well as Guided Exit and post-selection

Legend

A Pre-Selection
B Waiting Area (before milking)
C Guided Exit
D Bypass Gate
E Post-Selection
F Special Needs Area

Selection gates for high work efficiency
Combine the DairyRobot R9500 with a selection system. With a post-selection, you can automatically guide cows to the special needs area after milking, if needed. Here you can easily take care of these cows. A pre-selection ensures that only cows which are ready for milking have access to the robot. This leads to optimized throughput as the box cannot be blocked by other cows.

Unique to GEA: Several boxes become one system.
With our unique Guided Exit concept, we optimize cow traffic directly in front of the multi box system. Cows that finished milking are guided directly to the exit without entering the waiting area again so that cows which have been milked are not mixed with cows that are still to be milked. This reduces stress and can increase system performance.

Your countless options at a glance.

- Voluntary milking (free milking times) or group milking (fixed milking times)
- Single box or multi box system
- Stand-alone, in a row or side-by-side with or without milking pit
- Optional with Guided Exit (when boxes are arranged in a row)
- Free, semi-guided or guided cow traffic
- With integrated special needs area, if you wish
- In combination with grazing, if required

Milking Process. Cow Management. Working Environment.

PERFECTLY THOUGHT-OUT.

Efficiency meets comfort

Efficient, hygienic and animal-friendly: the DairyRobot R9500 automatically milks the herd for you day in, day out. At the same time, it offers you extra comfortable management functions: The intuitively designed touchscreen and operator panel show you the status of the current milking process. You take over control whenever you want and if necessary, you can intervene in the milking process at any time.



Main customers needs:

I want efficient and cow-friendly milking for best milk quality and animal health.

I would like to make work routines flexible and save time.

I want to manage daily tasks quickly, easily and conveniently at a central place.

I need best visibility and unrestricted, safe and comfortable access to the udder at all times.

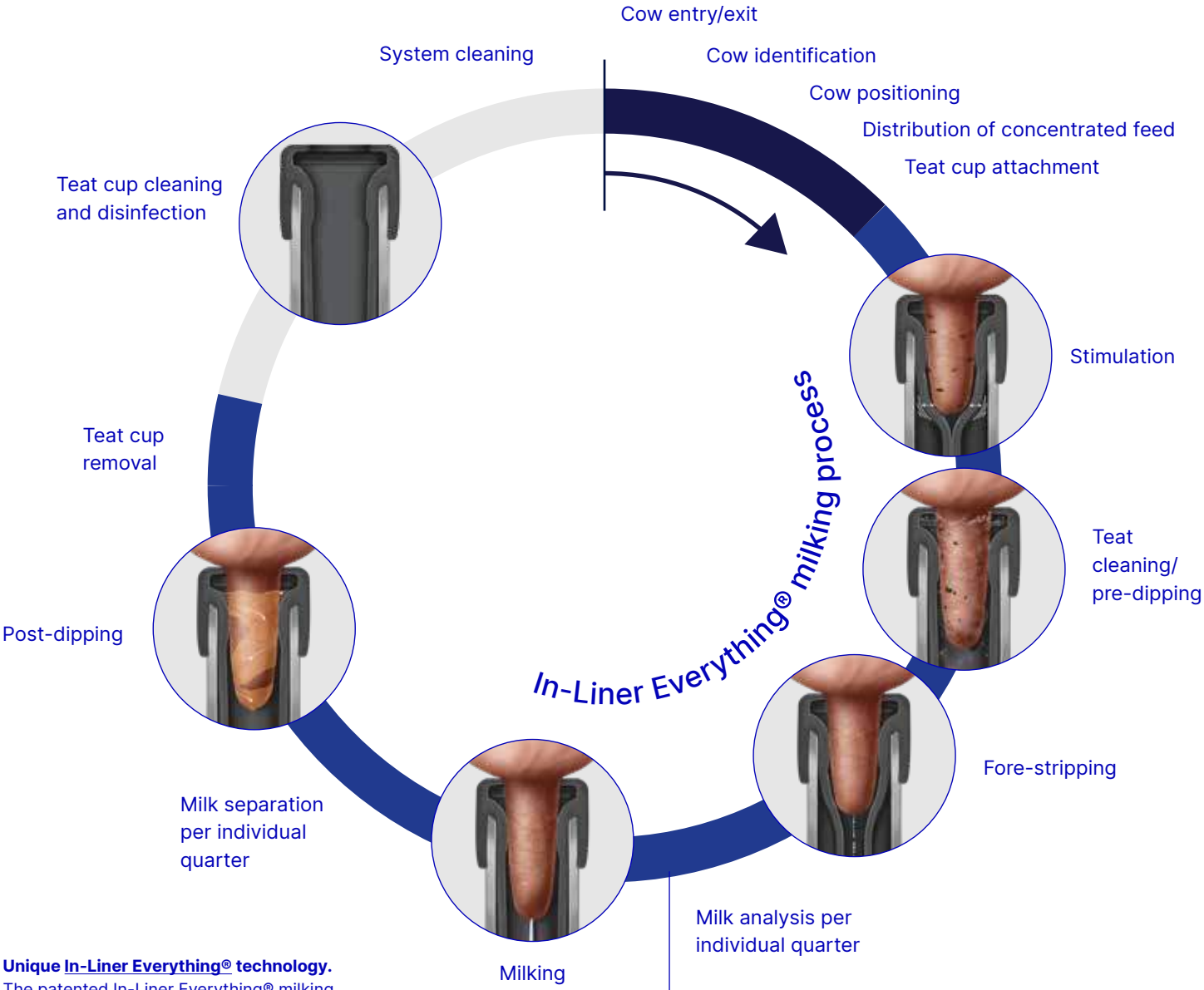
Working comfort at your attractive workplace.

You can easily take care of all cows within short distances with only one person at your ergonomic, clean workplace. On top of that, you enjoy heavenly silence because the DairyRobot R9500 is one of the quietest robots on the market.

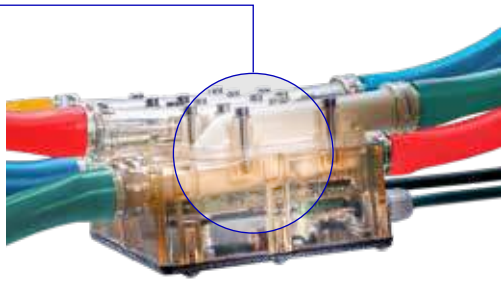


All-round good cow milking.

The entire milking process is designed for hygiene, efficiency and comfort for both you and your cows. Experience safe, gentle, fast and complete milking!



Unique In-Liner Everything® technology.
The patented In-Liner Everything® milking routine performs every step of the milking process from stimulation to dipping and disinfection in a single attachment – fully protected within the teat cup.



Groundbreaking DairyMilk M6850 cell count sensor.
Besides conductivity, color and temperature, we can even analyze the cell count classes of each quarter.



Cow identification and positioning. Distribution of concentrated feed. Teat cup attachment.

Next one, please.
As soon as the former cow has left the box, great animal comfort welcomes the next one.





Cow identified. Box size individually adjusted.
As soon as a milking right has been detected via the ID system, the size of the box will be adapted to the size of the cow thanks to the adjustable feed trough. Thus, the udder is always at the same position allowing for fast attachment. This does not only save time, but also energy.

By the way: You can allocate concentrated feed in individual ratios.

One and done teat cup attachment.
In the DairyRobot R9500, the attachment arm swings under the cow‘s udder by making only one move. As pioneers of the 3D camera teat detection, we achieve an attachment time of 14 seconds under optimal conditions, with a minimum of movements. As soon as the teat cups are attached, all motors stop. Our so-called milk rack follows the cow’s movements, without the use of energy. If a teat cup is kicked off, the short milk hoses make sure that it cannot fall on the floor and get dirty. Instead, it will be re-attached immediately.

In-Liner Everything® milking process. Teat cup removal.

The key to high milk quality.
GEA's famous technology: the entire milking process is carried out inside the liner – safe and hygienic.





Proactive health management per teat.
Various smart features within our miking process help proactively prevent diseases. For example, each teat is cleaned and stimulated individually in its own teat cup (optionally pre-dipped) instead of using a separate brush or pre-milking cup. This prevents the spread of bacteria from teat to teat and reduces the risk of mastitis.

Continuous, quarter-individual milk monitoring.
It is a short way for the milk to reach the sensors located in the milking technology module. Our sensor systems analyze the milk flow at each udder quarter individually and continuously. This way, measurement is faster than any method that requires to take milk samples. In addition, the milk flow will not be interrupted and there is no need for contrast media. Highly recommended: The optional DairyMilk M6850 cell count sensor analyzes the cell count classes of each quarter.

Accurate in-liner dipping.
Dipping inside the teat cup ensures an even distribution of the dipping agent without any spray shadows. Post-dip will be applied to each teat while the teat is still under vacuum and stretched out in the liner. This method allows the dip to penetrate into all of the folds and wrinkles of the teats. When the teat cups are removed, the teat surface is perfectly covered.

Teat cup cleaning and disinfection. System cleaning.

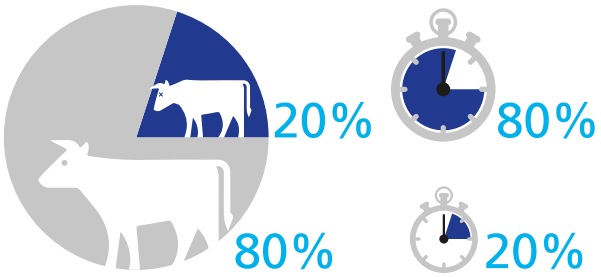




Effective backflush between milkings
For intermediate disinfection of the teat cups, we do not rely on steam, but on energy- and cost-efficient disinfection with peracetic acid. The dosage can be (seasonally) adjusted. Under certain conditions, it is even possible to disinfect without using peracetic acid: while GEA's best quality dipping agents carefully cover the teat, the liners are coated simultaneously. This has a disinfecting effect as well.

Effective system cleaning thanks to circulation.
After flushing with warm water, 65° C hot water circulates in the system together with cleaning agents. The combination of water temperature, cleaning agents and turbulences cleans extra effectively.

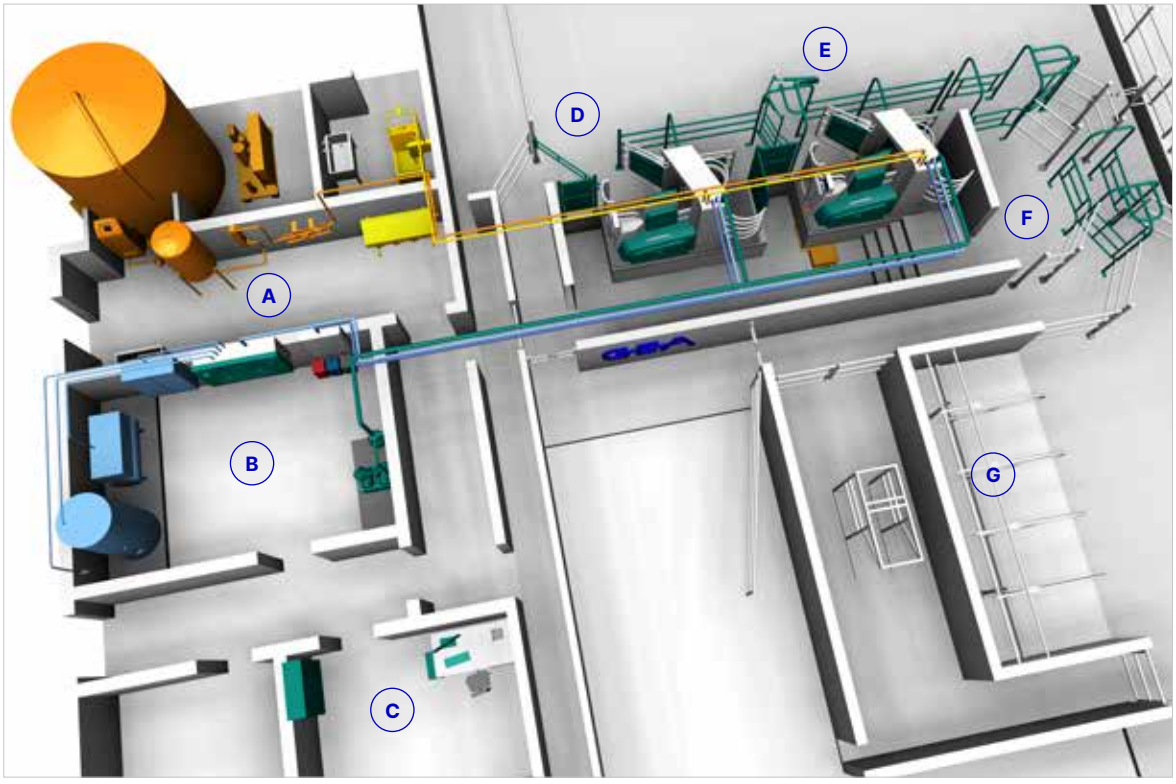
Manage all cows centrally.





Every farmer knows that 20% of his cows have special needs and therefore require 80% of his working time. But there is great support: while DairyRobot R9500 takes care of milking, GuidedExit and selection gates optimize cow traffic to efficiently manage the whole herd.

Your Milk and Management Center of today.
You are looking for automatic milking coupled with reduced workload? The Milk and Management Center concentrates all features and components at a central area which makes it possible for only one person to do all the work: You can train, milk, check and support all special needs cows within short distances, whenever it fits your schedule.



Legend

- **A** Milk Tank Room with Calf Milk Separation
- **B** Milking Technology Room with Supply Unit
- **C** Farm Office
- **D** Bypass Gate
- **E** Guided Exit
- **F** Post-Selection
- **G** Special Needs Area



All in one.
One for all.



DairyRobot R9500 takes care of every cow. No need for an additional milking parlor.

Modern workplace, innovative functions.
Do you want to check, treat, train or dry-off a cow, intervene in the milking process or attach manually? The control panel is ergonomically positioned at your clean workplace. The touchscreen visualizes the milking process. Start the separation mode to milk special needs cows as a group, one after the other. That saves time and is especially efficient.



Access to the udder at any time.
Taking care of the so-called special needs cows is especially easy for you in the clean milking pit. The end frame with integrated udder light protects you, while at the same time it provides you with a perfect view of the udder. Like no other milking robot, the DairyRobot R9500 enables free access to the udder, e. g. to train fresh milkers. If you take care of specific cows directly after milking, you save an extra work step!



Ongoing milking process in real time.
The live view mode shows you the current milking process in real time: follow the rising milk yield of each cow directly on the touchscreen, control and optimize system parameters with just a few clicks.



Not a must-have.

A milking pit is not mandatory. If you decide to not have one, just put your touchscreen on a higher level.

Animal data. Key figures. System performance.

NEVER MISS ANYTHING.

Everything in view

It has never been easier for you to keep an eye on cow data, system parameters and running costs anytime, anywhere. Benefit from unsurpassed transparency as well as low consumption rates and optimize the value chain of your milk production.



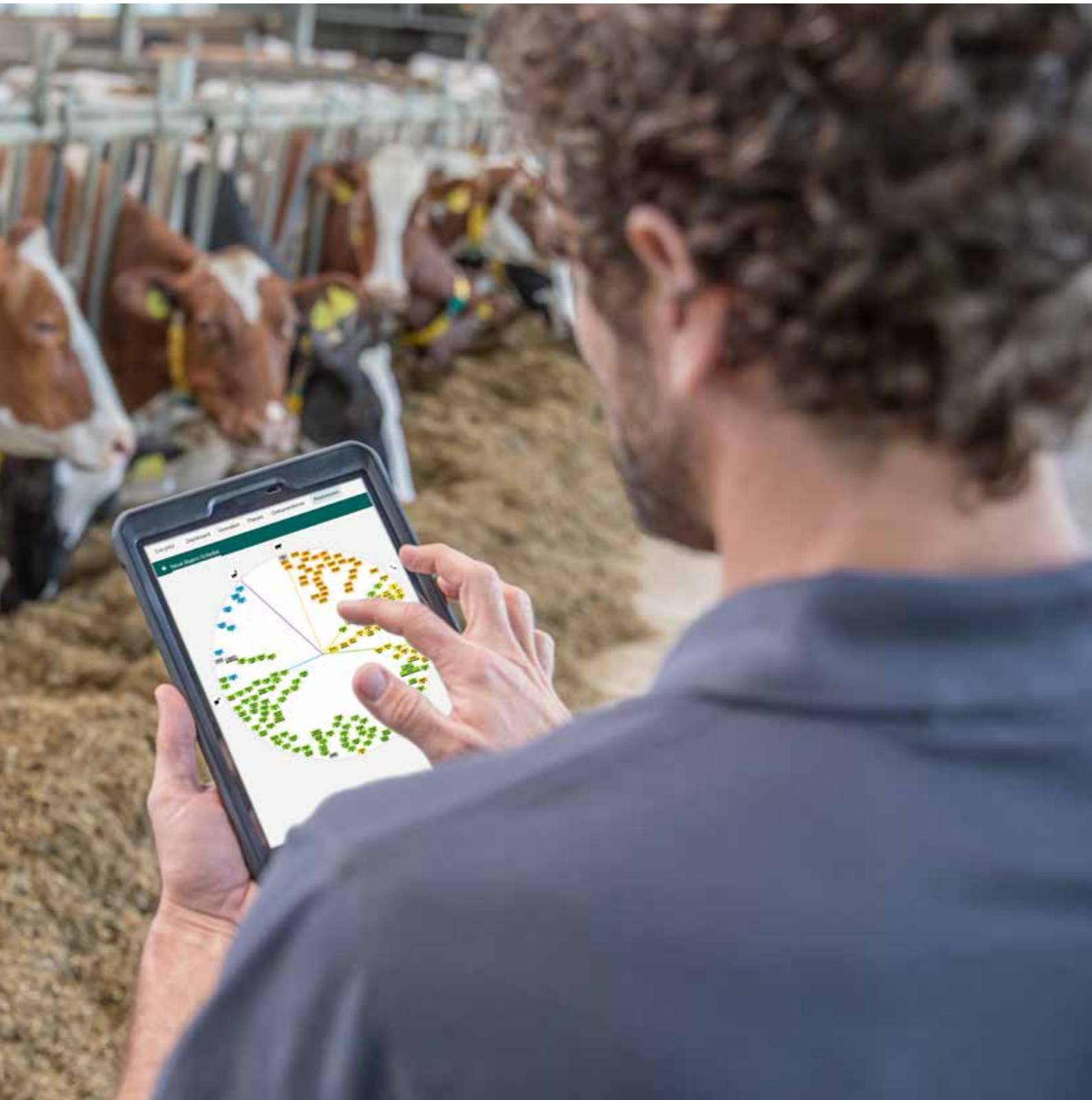
Main customer needs:

I want profitable milking with low operating costs.

I am looking for user-friendly technology with free access to all data and figures at any time.

Mobile herd and farm management via app.

GEA pioneered the analysis of digital data in the milking parlor 35 years ago. Now, it is time to take the next step with GEA DairyNet®: use the innovative functions for planning, analyzing and documenting and develop discover the next level of smart farming.



Smart farming with full transparency.

GEA DairyNet® herd and farm management.

All animal and farm data at a glance.
GEA DairyNet® makes your farm's key information available at a glance. The software is extremely user-friendly, the functions are smart and innovative. Current tasks, analyses, notifications and reports allow you to manage the daily routine of your herd and your farm more easily.

Your office on a smartphone.
The DairyNet® app makes herd and farm management mobile. Logged-in devices synchronize themselves automatically. Each data entry brings you and your employees up to date, anytime and anywhere!

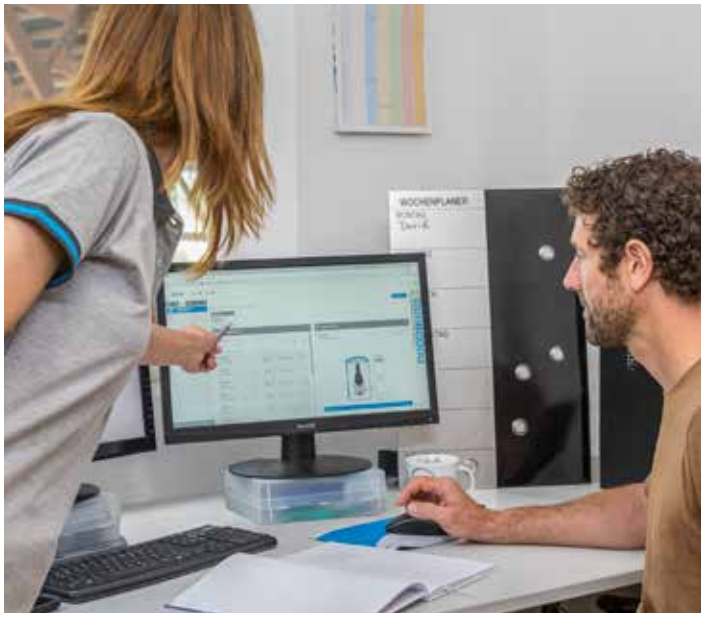


Maintain animal health, optimize reproduction.
Whether detecting low activity in the barn or a cow in heat, GEA CowScout alerts you when a cow needs your attention. The monitoring system allows you to react immediately. Optionally, it guides you directly to the current location of a specific cow. From the first alert to the documentation of treatment or successful insemination, GEA DairyNet® and GEA CowScout work seamlessly together!





Comprehensive system insights. Low operating costs.



Online monitoring and transparent service.
Keep an eye on the running system. You can conveniently check relevant parameters with the system monitoring software. On request, your GEA service partner can connect to your milking system via online access to be able to support remotely. GEA's individual service contracts ensure calculable and transparent costs – including scheduled maintenance.

Milk monitoring per quarter without running costs.
Our milk sensors do not need any resources or reagents and require very little maintenance. Analyzing the milk flow continuously enables monitoring at quarter level and a quarter-individual result that provides you with the relevant data much earlier than other methods. Any deviation will be indicated and this helps you to maintain herd health.

Visible milk yields.
Transparency is a top priority and starts with our valves and milk receivers. Transparent components allow for visual controls and our small receivers ensure energy- and resource-saving cleaning. The milk valves reliably separates tank milk from calf milk. Energy-efficient pumps transport tank milk gently to the tank while calf milk will be collected in the calf milk separation system.



Proven to be economical.

Independently verified consumption rates.
Because we have nothing to hide.
The official DLG test* proves that our DairyRobot R9500 works economically. We are not only talking about the lowest standby power consumption that has been measured, but also the energy use during operation. Sharing is caring: with a multibox system, the power and water consumption per box is significantly reduced. Adding a second box already results in 30% less power consumption and 5% less water consumption.

You can also keep an eye on the energy use directly on site. Just take a look at the freely accessible electricity and water meters.

*Landwirtschaftsverlag GmbH, profi 07-2019
(profi international: 10-2019)

Planning. Support. Optimization.

TRUSTFUL TEAMWORK.

Always by your side

Choose the direct connection to one of the strongest partners in the world. Our service and support covers the entire product life cycle, tailored to your needs. With a great network of GEA dealers and herd management consultants, reliable on-site services as well as digital services, we will be there for you around the clock.

Main customer needs:

I need a trustful dealer and service partner I can rely on 24/7.



The beginning of a unique partnership.

Right from the start, we do everything we can to continuously improve the performance of your herd, your milking system and your life on the farm.



Comprehensive consulting. Forward-looking service.

We support you every day to keep your herd healthy and your milk production profitable.

Detailed planning and successful start-up, step by step.
We listen to your needs and develop work-efficient strategies. We pay special attention to your herd, for example when it comes to the future feeding strategy. You will feel well trained and ready for starting up your new milking robot.

Optimization program for a stable return on investment.
Shortly after milking, you will get used to the routines. We like to look over your shoulder, check the condition of your herd, observe cow traffic, and analyze potential for improvement. Thanks to individual evaluations in the herd management system, you can develop promising strategies for the future of your farm.



Best equipment performance and peace of mind.



Proactively planned service. On-site and remotely.
GEA's individual service contracts, 24/7 hotlines and digital solutions give you peace of mind throughout the entire life cycle. Scheduled maintenance, consumables, hygiene products – we provide you with everything you need at the right time. On top of that, your dealer offers you online support: if necessary, remote access allows for quick technical assistance. So you're always well prepared!

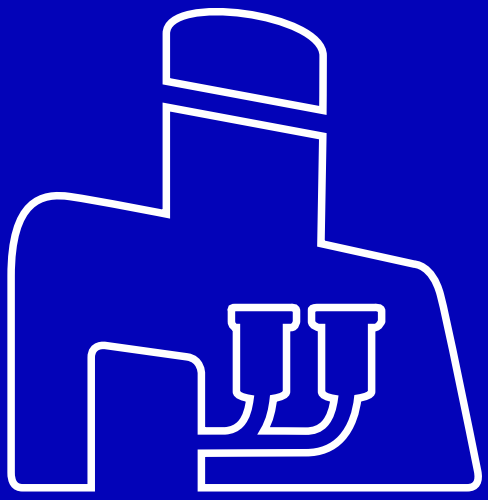


Fast service without interrupting milking.
Just remove the cover to pull out the complete milk sensor package: core components of milk analysis and metering are bundled inside the milking technology module. While the compact module is serviced, it can be quickly replaced by another one to make sure that milking continues. A unique service concept!

The only ones that are updateable.

Updateable and future-proof thanks to platform strategy.
Automatic milking must be permanently efficient, sustainable and cost-effective. Therefore, we continuously further develop our robot module.

Up to date via update.
Can a perfect milking system be perfected? Get to know the Edition 2021 and learn how we have lowered the system's operational and service costs even further. New features and optimizations provide even more efficiency and sustainability. An unbeatable advantage for anyone, who already milks with the DairyRobot R9500: thanks to the unified platform, you can upgrade to the newest version and benefit from all the innovative features.



Experience. Quality. Competence.

YOU CAN COUNT ON THAT.



Today and in the future

Together with GEA, in a close partnership, you pursue a holistic approach that analyzes the resources of your farm and develops an individual concept: Simplify work routines, increase animal comfort, sustainably increase the efficiency of operational processes!

Main customer needs:

I need a robust, high-performing system with a minimal risk of downtimes.

I wish to run a sustainable business thanks to an overall future-proof dairy farm.



More experience in milking.

Many years of knowledge: 100 years conventional milking, 25 years automated milking, 35 years herd management. Build your individual milking system on experience, quality and competence.



We know what good cow milking is all about.

A whole century of know-how.
Around 100 years have passed since we launched our first “Westfalia” milking machine. Based on such long-time know-ledge, our first automated milking systems was developed 25 years ago – and we move on.



Westfalia. Surge. GEA.
A long history of success that is within us.

1883 Westfalia was founded

1926 Our first milking machine

1941 Our first pipeline milking system

1952 Our first group milking parlor

1962 Our first rotary milking parlor

1994 Westfalia becomes a part of GEA

1997 Our first generation automated milking: Leonardo

1999 Merge of Westfalia and Surge

2008 Our second generation automated milking: MI*one*

2009 GEA WestfaliaSurge becomes GEA Farm Technologies

Welcome to #TeamDairyRobot.

We support dairy farmers worldwide on their way towards sustainable milk production and take a holistic view of each farm. We want to make sure that all humans, animals and the environment as well as all future generations benefit from a perfect synergy of resources and farming processes.

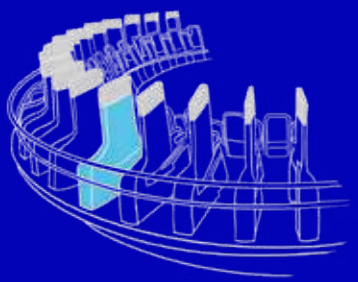
Already thousands of farms in over 45 countries are milking with our automated milking systems. As we care about our customers and their future, committed GEA dealers and employees are always at their side. Together, they form our #TeamDairyRobot, which is growing daily. Be a part of it!

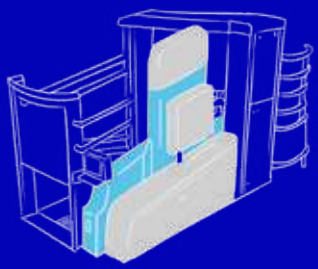




MADE IN GERMANY

Quality MADE IN GERMANY.
Benefit from sustainable engineering and first-class manufacturing.





Our best generation automated milking.

2012
Milking stall module in our DairyProQ rotary

2016
Milking stall module in our Monobox

2017
Milking stall module in our Multibox system

2018
Milking stall module in our DairyRobot R9500

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