

GEA DAIRYROBOT R9650

The New Automatic Batch Milking Parlor



UNITE THE BENEFITS

Experience the efficiency of an automated batch milking system with the GEA DairyRobot R9650, which combines the structured processes of conventional group milking with the high performance of GEA automated milking robots.

Additionally, benefit from the innovative subway design: Important milking components are placed beneath the robots to improve efficiency, streamline maintenance, and minimize noise. This setup not only creates a quieter, more comfortable barn environment for cows and operators, but also reduces labor requirements, increases productivity, supports animal health, and optimizes your and your team's work-life balance.





NEXT LEVEL BATCH MILKING

Choose your customized solution for Automated Group Milking with the GEA DairyRobot R9650! The system can be perfectly adapted to your individual requirements. And while the intelligent Subway installation makes Batch Milking even more efficient, you benefit from great convenience and full operational transparency. Shape your dairy farm future-proof and more sustainable together with GEA as your partner. We want you to be happy and successful with your milking system in the long term!



Reliability without downtime

- ✓ Continue milking, even if 1 or 2 units are being serviced.



Reduced labor requirements

- ✓ Less staff training required if coming from conventional milking (less skill requirement).
- ✓ Costs can be managed more effectively – SOPs can be defined and followed.
- ✓ Reduced physical workload compared to conventional milking.



Control the routine

- ✓ Milking at fixed times (controlled processes) – peace of mind, no unexpected alarms while sleeping.
- ✓ Efficient multi-tasking: Bedding can be easily cleaned while cows are being milked, this is especially true if using a compost bedding system. Familiar routines can be kept like with conventional milking.



Focus on high throughput

- ✓ Proven higher milk flows.
- ✓ Working in groups for max. efficiency e.g. high yielding groups, special needs groups etc.



More sustainable

- ✓ Less water consumption required.*
- ✓ Less consumables required.*
- ✓ Less overall equipment required (e.g. less IPCs).*

*Internal comparison compared to R9500.



Reduced total cost of ownership

- ✓ Reduced servicing costs
- ✓ Reduced extended warranty costs



Small footprint

- ✓ Reduced building costs and environmental impact.
- ✓ Easily expandable due to Multibox concept.

YOUR PERFECT FIT

Discover the greatest flexibility in barn design and milking routine for farms of all sizes with our scalable, modular batch milking system. Thanks to this adaptable concept, we can work together to develop an individual solution for new or existing buildings, ensuring that your system can grow along with your farm's needs.



“Batch milking with DairyRobot R9650 lowers the workload, reduces stress for the animals and has a positive effect on milk yield.”

Carsten Göbel,
CEO Agrargenossenschaft Ballhausen



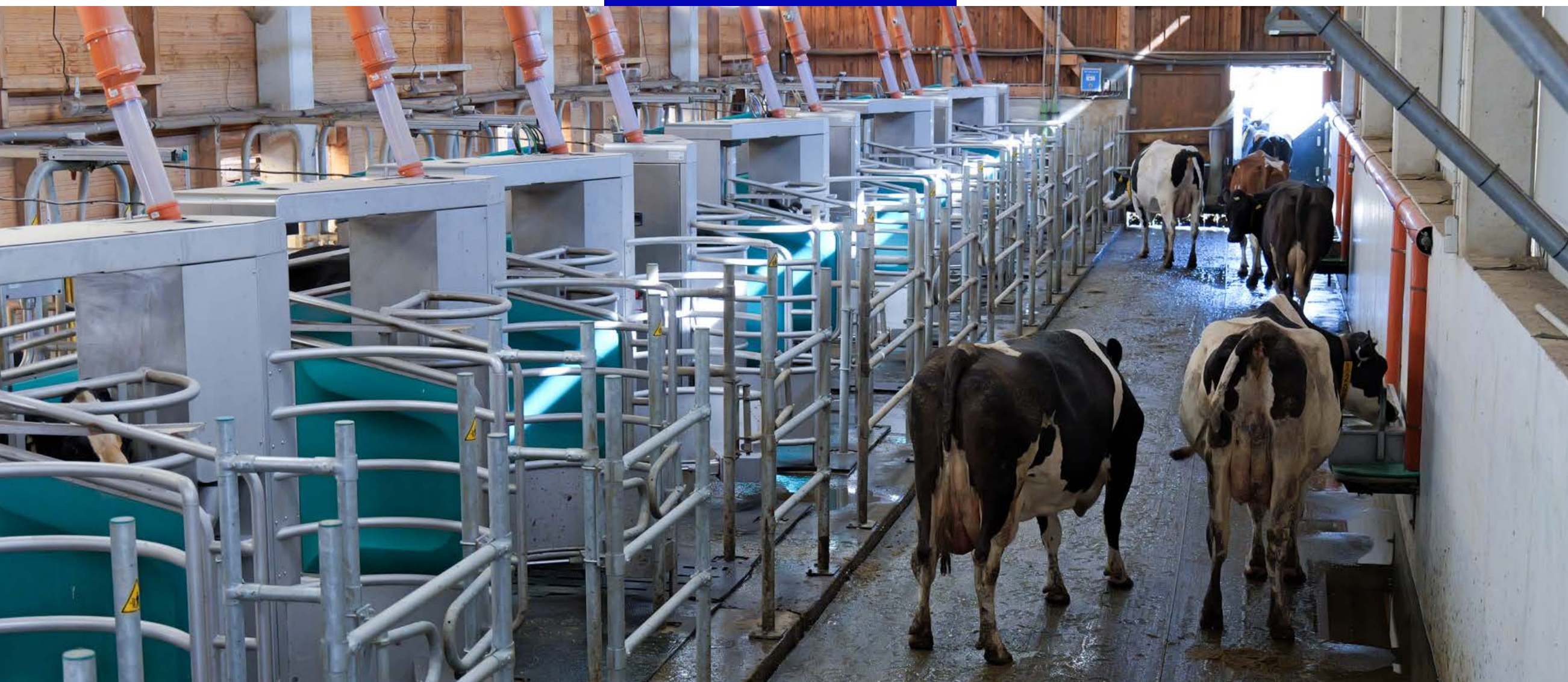
Redefining Automatic Group Milking

The DairyRobot R9650 is an automatic batch milking parlor in linear format. It fuses together the characteristics of automatic and conventional milking. Its innovative subway cellar design ensures premium milking experience, amongst further benefits highlighted later on.

The milking routine is organized like a conventional milking parlor, which means that cows visit 2 or 3 times per day and then the milking is done – no risk of alarms while sleeping during the night! Consistent milking routines are possible due to automation.

The DairyRobot R9650 is suitable for:

- Medium to large dairy farms looking to modernize and automate their operations.
- Dairy farmers focused on improving milk quality and animal welfare.
- Farms experiencing labor shortages or looking to reduce labor costs.
- Pasture-based operations or year-round indoor housing.



Added value all round

Both labor and milking equipment are efficiently utilized, thereby adding real value to your bottom line, employee working comfort, and the health of the cow. Our aim is to have the lowest possible total cost of ownership.



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.

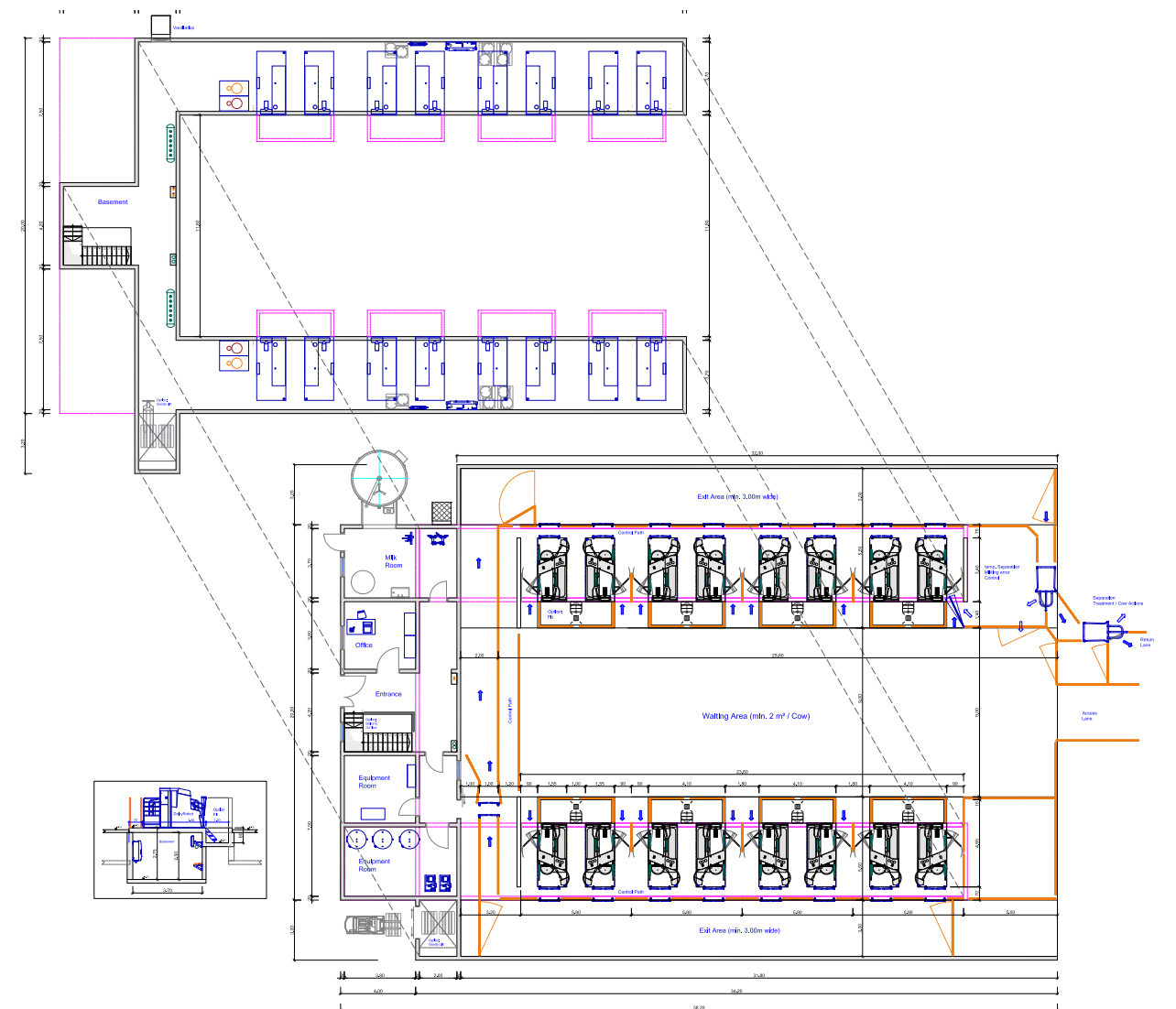
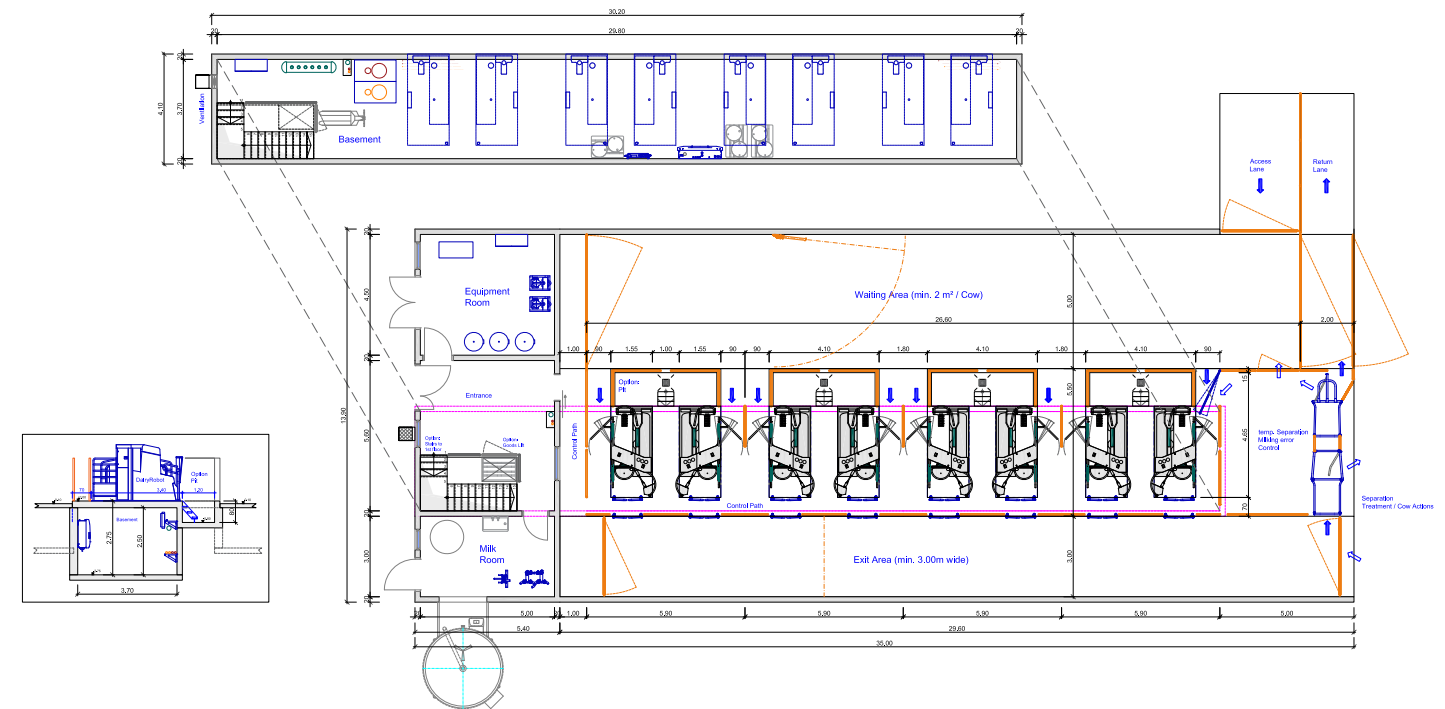
From initial planning

One or two row layouts

6 to 24+ boxes in one system

Combine the DairyRobot R9650 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.

Through to final concept



EFFICIENCY MEETS COMFORT

Experience well-thought-out milking and cow management. A unique milking process and a central, ergonomic workplace await you, offering efficient and comfortable handling of your entire herd according to your needs.



“I appreciate the great control: thanks to cutting-edge data management you know everything after milking!”



The subway solution

Next Level Comfort

The subway cellar (building works to be handled locally), ensure a premium milking experience for all involved:

- Better access to the components.
- Repairs and servicing carried out without interrupting the cows.
- Clean environment, thereby extending lifetime of components.
- Pleasant and safer work environment for personnel easier to attract and retain employees.
- Quieter environment where the robots and cows are located, thereby creating a calm atmosphere.
- It is possible to place the supply unit and chemicals above the subway cellar, or within it. Note that the positioning of the supply unit will need to be taken into account. It is also possible to position the compressor, vacuum system, milk filter, MS1 (milk separation) and plate cooler above the subway, or within it.

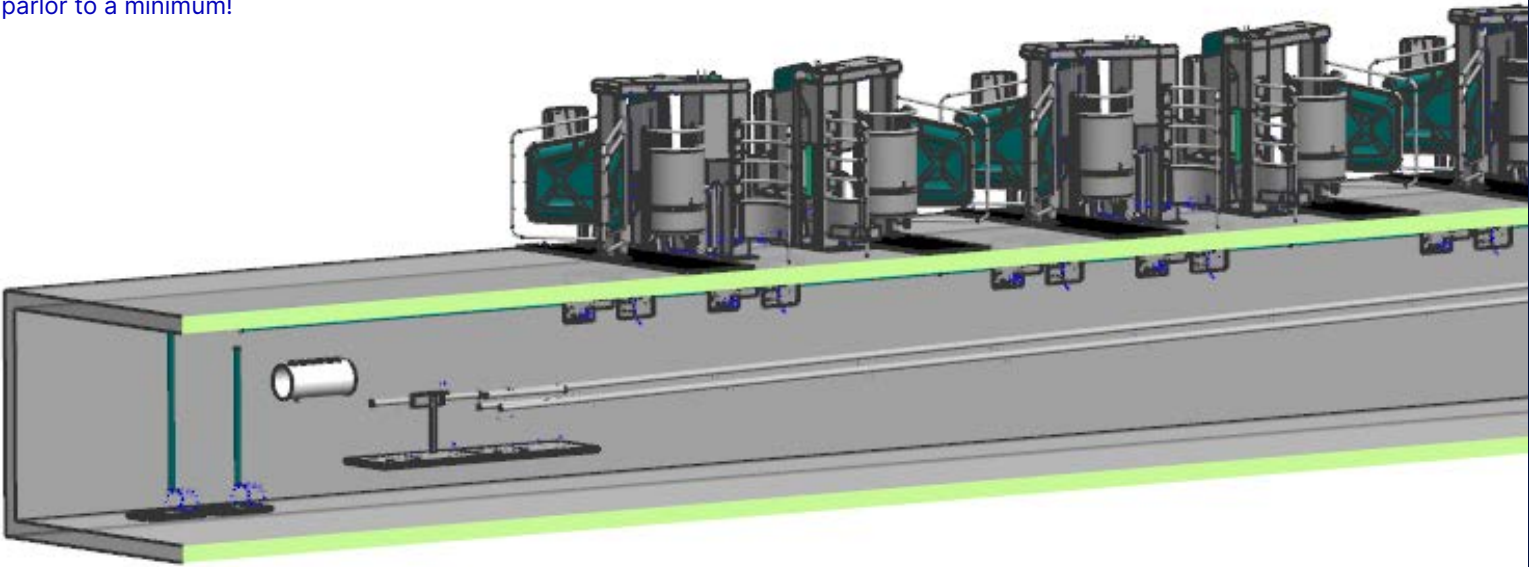
Reduced Noise

The milking module, valve plate and milk lines are now located in the cellar. In addition vacuum pumps and air compressors can also be situated in the cellar to help keep noise in the milking parlor to a minimum. Explore the benefits of this technology and create a quieter, more comfortable environment for both the cows and the operators!



Centralized Milking Excellence

The DairyRobot R9650's revolutionary "subway" design centralizes the relevant milking equipment in the cellar beneath the robots. Enhancing efficiency and quiet operation, this optimized setup simplifies maintenance making the servicing of all components easier and more convenient. Benefit from reduced initial investment, lower servicing costs and keep noise in the milking parlor to a minimum!

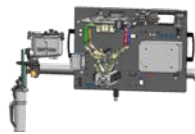


Designed for maximum comfort & efficiency

Components Located in Subway Cellar



Valve plate



Milking module



Samplers



Central receiver

Components That Can Be Optionally Located in or Above the Subway Cellar



Plate cooler



Compressor



Supply unit



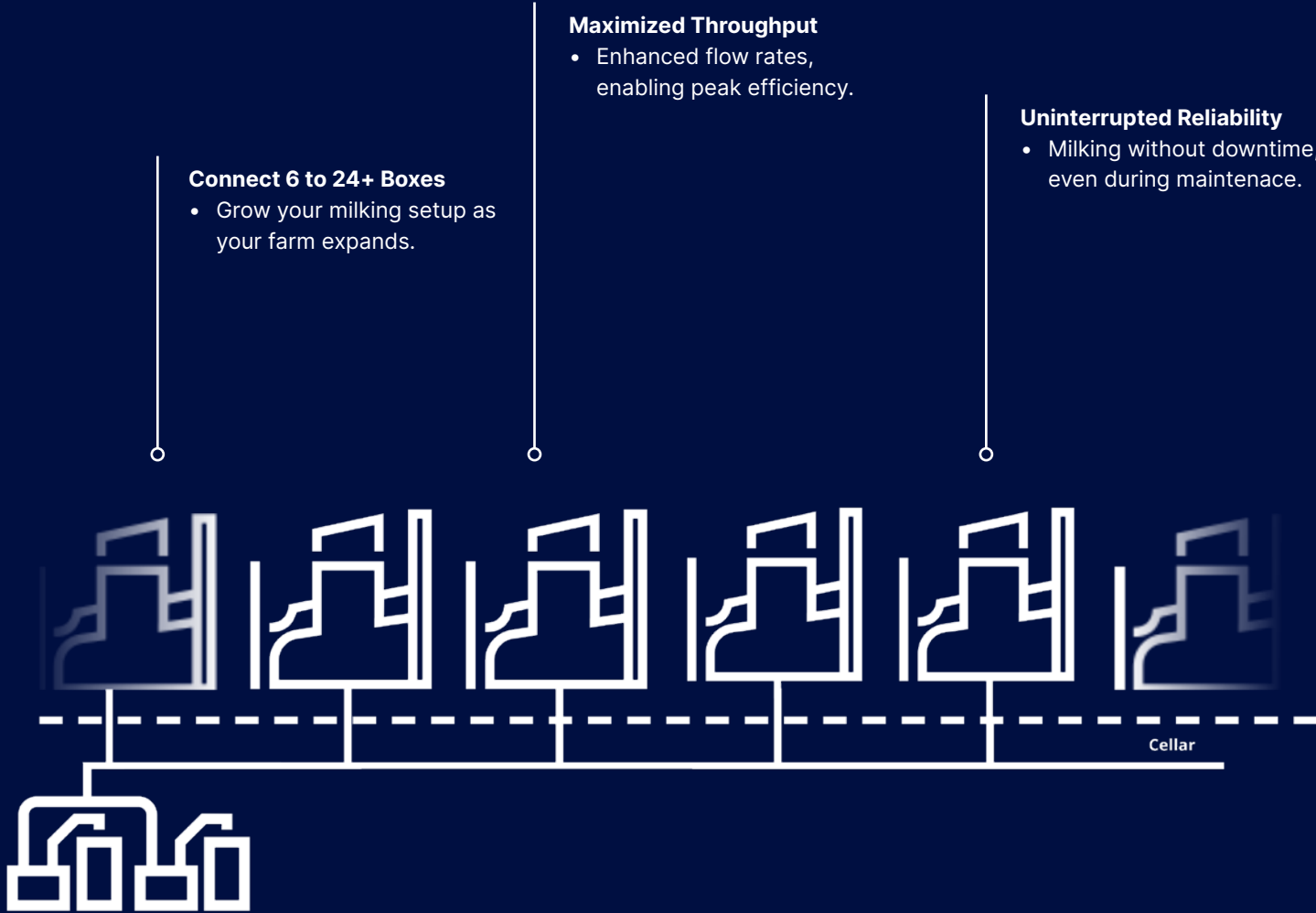
Chemicals



Vacuum pump



Milk filter



Streamlined Subway Setup

- Milking module, valve plate, and milk lines are located beneath the robots.
- Leading to:**
- Minimized noise and simplified service.
- Reduced initial investment, lower servicing costs, and easier maintenance.
- Increased equipment longevity and less cleaning.

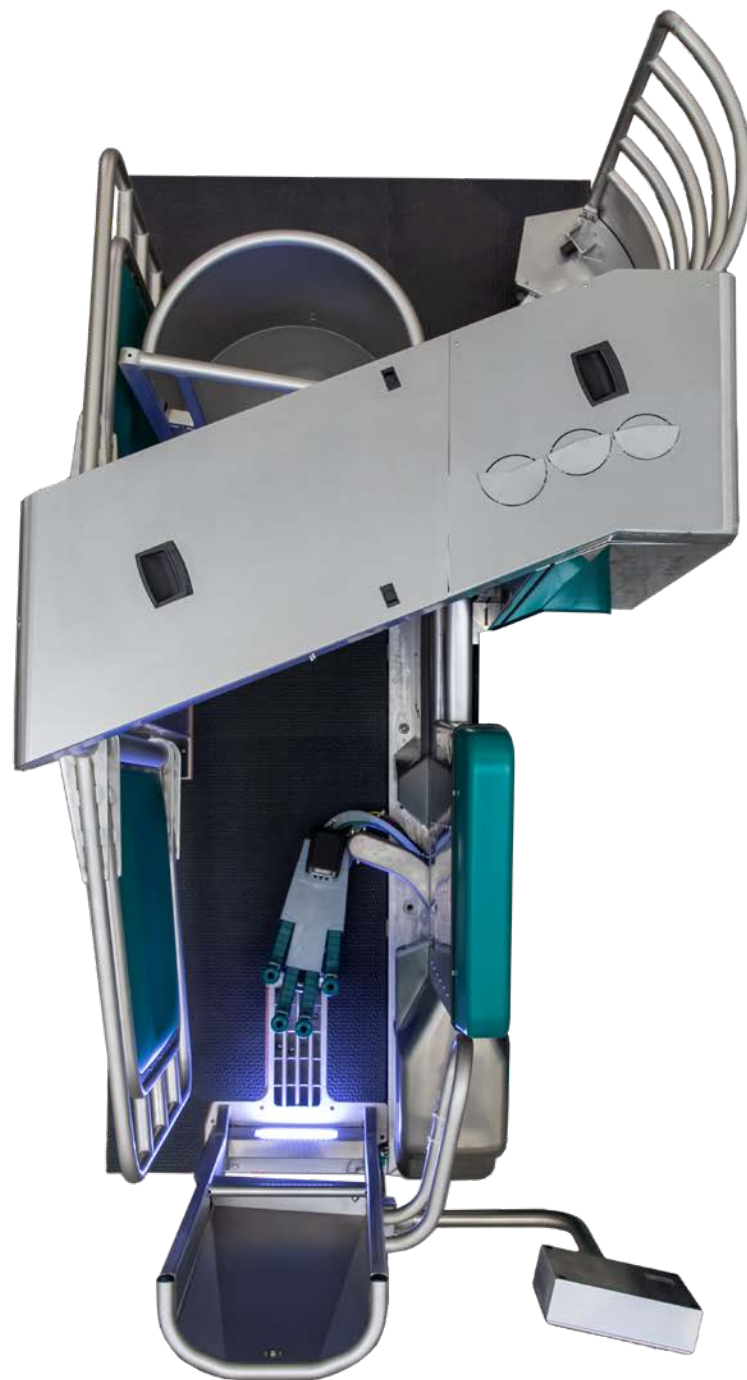
Centralized Efficiency

- Serve multiple boxes with the central receiver unit, eliminating the need for separate receiver units at each robot.

All-Round Good Cow Milking

Efficient, Hygienic and Animal-Friendly

The DairyRobot R9650 automatically milks the herd for you day in, day out. At the same time, it offers you extra comfortable management functions: The intuitively designed touch-screen 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.



Cow Identified. Box Size Individually Adjusted

The milking system identifies each cow and automatically adjusts the box size using an adjustable feed trough, ensuring the udder is consistently positioned for quick attachment, saving time and energy.



One and Done Teat Cup Attachment

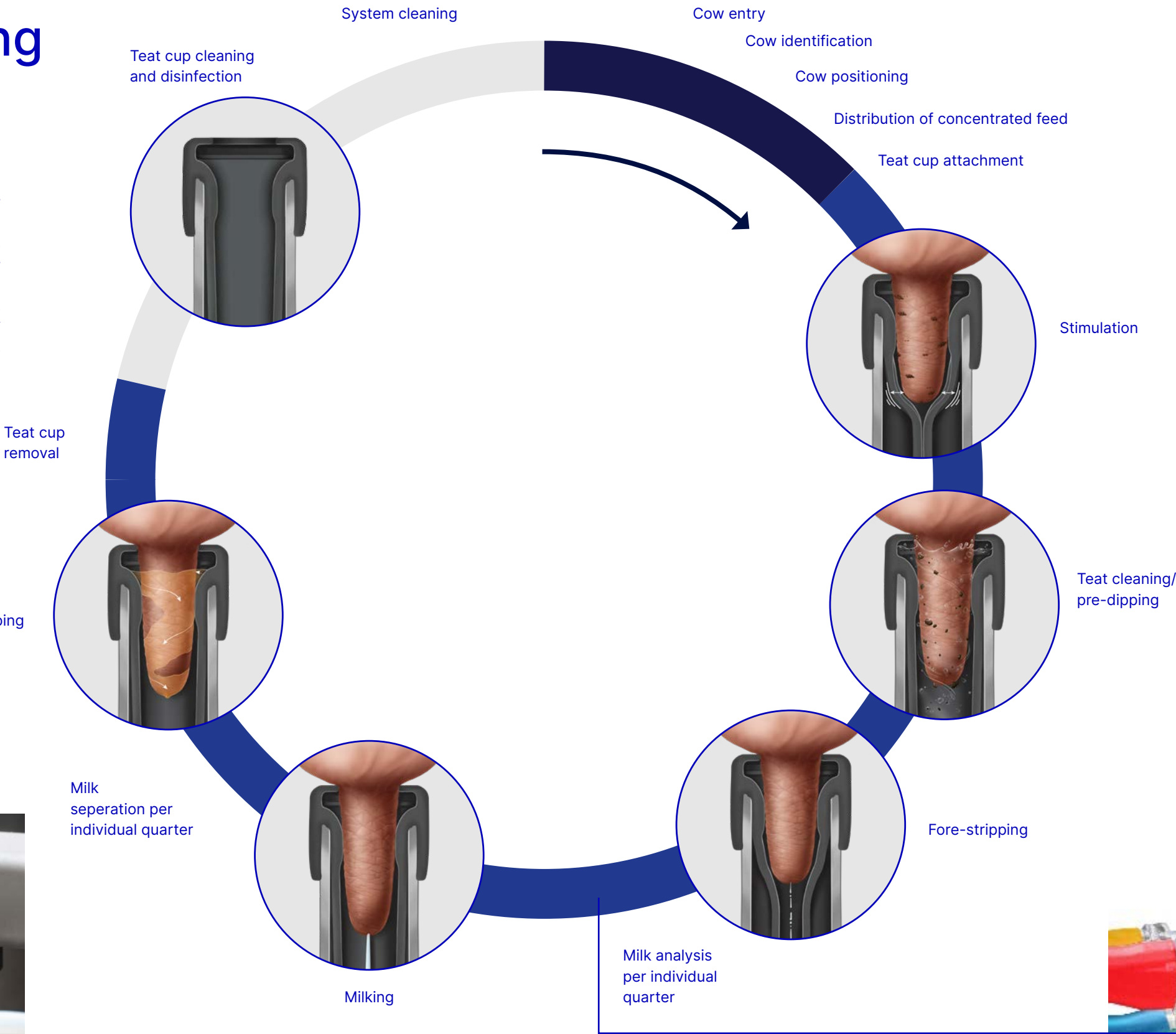
The DairyRobot R9650 features a one-move attachment arm, achieving a 14-second attachment time under optimal conditions. Once attached, all motors stop, and the milk rack follows the cow's movements without energy use. If a teat cup is kicked off, short hoses prevent it from falling to the floor, allowing for immediate re-attachment.

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



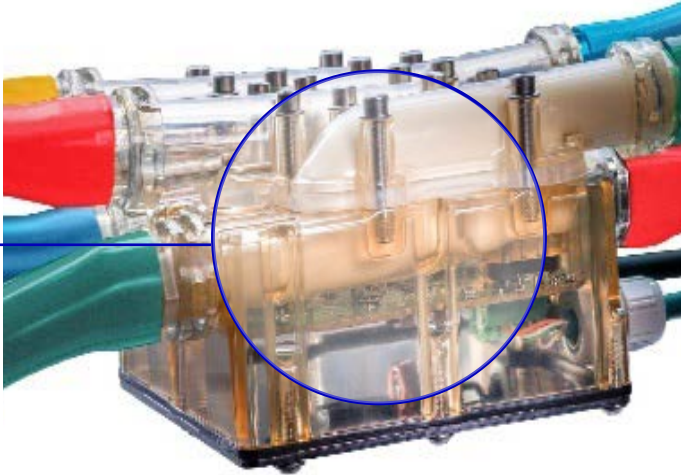
In-Liner Everything Milking Process

The milking process is conducted within the liner for safety and hygiene, featuring proactive health management for each teat. Smart technologies clean and stimulate each teat individually, minimizing bacteria spread and mastitis risk. Continuous monitoring analyzes milk flow per udder quarter, enabling faster measurements without interrupting flow. The optional DairyMilk M6850 sensor assesses cell counts. In-liner dipping ensures even distribution of the dipping agent, allowing it to penetrate the teat's folds and wrinkles while under vacuum.



As pioneers of the 3D Camera teat detection, we achieve rapid attachment times with minimal movement.

Groundbreaking DairyMilk M6850 Cell Count Sensor
GEA's DairyMilk M6850 is the first somatic cell count system in the world to focus on each udder quarter individually during the entire milking process. This early detection system alerts you at the very first sign. That helps you minimize treatment time, safeguard the healing process, and ensure the continuous productivity of your healthy herd.



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.



“Our modern workplace not only attracts new talents but has also greatly enhanced team satisfaction.”

Carsten Göbel,
CEO Agrargenossenschaft Ballhausen

Smart farming with full transparency

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



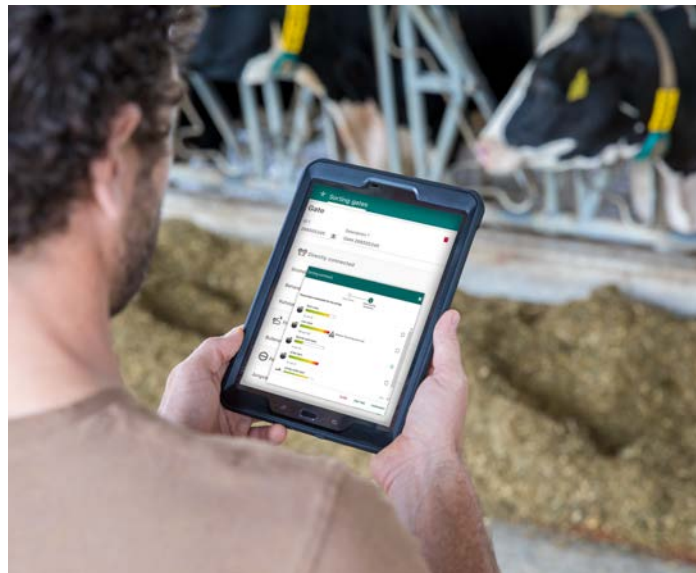
All Animal and Farm Data at a Glance

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, your employees and, if you wish, even your vet or consultant up to date, anytime and anywhere!



Maintain Animal Health, Optimize Reproduction

GEA CowScout alerts you to low activity or a cow in heat, allowing for immediate action. It can also guide you to a cow's location. Together with GEA DairyNet®, it streamlines the process from initial alert to treatment or successful insemination documentation.

Online Monitoring and Transparent Service

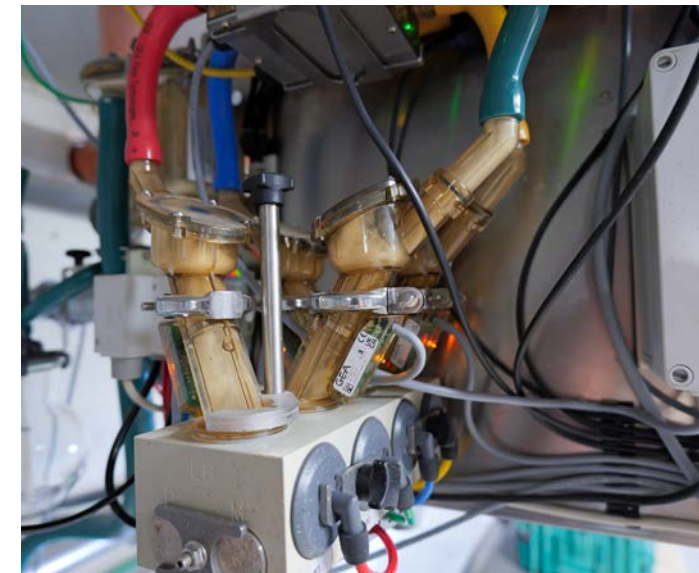
Monitor your system easily with our software, and receive remote support from GEA service partners when needed. Our service contracts offer predictable costs, including maintenance.

Quarterly Milk Monitoring

Our milk sensors require no resources or reagents and have minimal maintenance. They continuously analyze milk flow, providing timely results to help maintain herd health.

Visible Milk Yields

Transparency is key, starting with our clear valves and milk receivers for easy visual checks. Energy-efficient pumps transport tank milk gently while separating it from calf milk effectively.



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.





Teamwork You Can Rely On

Choose a strong partner with comprehensive service and support throughout your product's life cycle. Our GEA network provides reliable on-site and digital services around the clock, tailored to your needs.

Detailed Planning and Successful Start-Up, Step by Step

We focus on improving your herd's performance and milking system from the start, developing efficient strategies for operations, including future feeding plans.

Optimization Program for a Stable Return on Investment

Our optimization program helps ensure a stable return on investment, with regular assessments of herd conditions and cow traffic for ongoing improvements.

Proactively Planned Service. On-Site and Remotely

GEA offers proactive service contracts, 24/7 hotlines, and scheduled maintenance, ensuring you have everything you need when you need it. Remote access provides quick technical support.

Fast Service Without Interrupting Milking

Our fast service allows milk analysis components to be serviced without interrupting milking, ensuring continuous operation.

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.



“The automation of milking optimizes working conditions. This will also make it easier for us to find new employees!”

Your Reliable Partner

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.

A Whole Century of Know-How

Around 100 years have passed since we launched our first "Westfalia" milking machine. Based on such long-time knowledge, our first automated milking systems was developed 25 years ago – and we move on.

Quality Made in Germany

Sustainable in every detail. Benefit from sustainable engineering and first-class manufacturing. For us, sustainability starts with the smallest details – for example, a plastic-coated steel rope that cannot wear out like conventional ropes makes a great difference.





OUR PROMISE



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.



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.



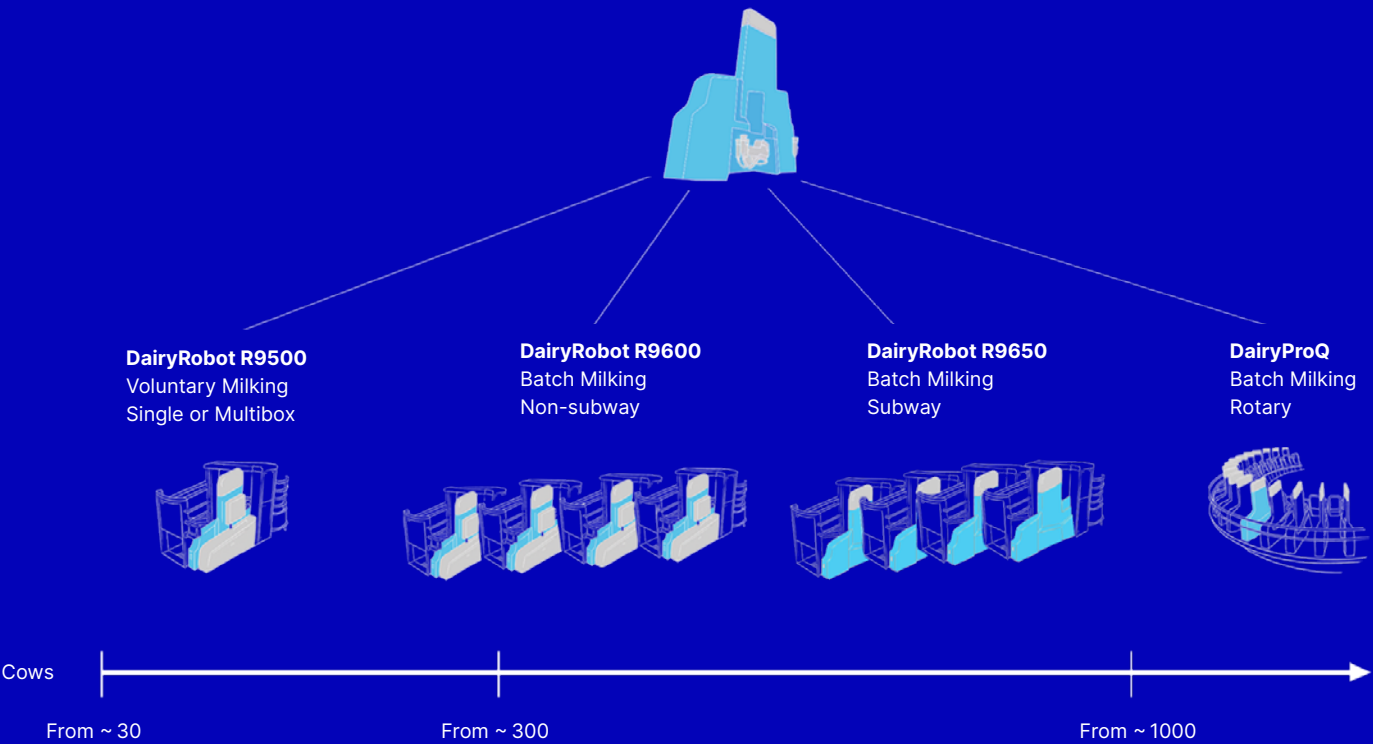
Today and in the future

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.

Part of Our Unique Platform Strategy

The innovative milking stall module is the heart of our automatic milking solutions and can also be found in our DairyRobot R9500 box milking system, DairyRobot R9600 batch milking parlor in non-subway set-up, 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



Partnership
the Way You
like It



Guide Your Farm to Success with Confidence
Are you looking for a way to milk your cows automatically in a cost-effective, sustainable, and profitable manner? Let GEA help you find the perfect solution tailored to your needs. Whether you prefer voluntary milking or batch milking at fixed times, the GEA DairyRobot offers a diverse range of automatic milking systems – from multi-stall units to fully automated rotary milking parlors – designed for your individual and sustainable barn concept.

With GEA, you can count on outstanding performance, hygienic milk quality, and increased animal welfare, all while boosting herd productivity. Benefit from over 100 years of expertise in milking technology, and trust that we'll help you achieve your goals.

Partner with Us for Peace of Mind
Choose a partner you can rely on. With one of the most extensive dealer networks in the world, GEA's specialist centers are always close by, offering timely, reliable support to help you reach your operational goals. Our expert team is ready to assist you, whether it's through our 24-hour hotline, digital services, or on-site assistance at your farm.

GEA's services are straightforward and transparent, giving you peace of mind with clear, predictable costs. With us by your side, you can rest assured that your investments will always pay off.

NO SUBWAY? NO PROBLEM.

Looking to upgrade to a batch milking setup but prefer to skip the subway setup? The DairyRobot R9600 delivers all the benefits you're looking for: Enjoy seamless routines, effortless operation, maximum efficiency and superior cow comfort – no subway required. Tailored to your needs, it's the ultimate solution for farms ready to elevate their milking process their way.



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