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ЗАЛЫ ДОЕНИЯ AUTOROTOR Технические характеристики



AutoRotor Magnum 40 - achieve maximum yields in comfort

The AutoRotor Magnum 40 is our premium product: In designing and optimising the AutoRotor Magnum 40 we have taken into account the requirements and experience of our AutoRotor customers all over the world to enable the user to produce milk easily and effectively to the highest quality. Countless dairy cows, operators and herd managers all over the world value the comfort offered by this internally operated rotary milking parlour. The optimum positioning of the animals and the simple operation of the AutoRotor Magnum 40 are unique. Different types from 16 up to 40 stalls are available.

AutoRotor Magnum 40 F - Feeding
AutoRotor Magnum 40 SF - SingleFlow
AutoRotor Magnum 40 EE - EasyEntry

Maximum comfort for operators

With the cows standing at 40 degrees the operator has excellent access to each cow. Other benefits include problem-free monitoring of the animals, easy maintenance and cleaning of the installation, and easy access of the operator. The design offers an excellent working environment.

Maximum comfort for animals

On the AutoRotor Magnum 40, an animal-friendly milking stall awaits the cows. Newly designed rounded stall dividers make it easier for it to access the stall, and the lack of moving components offers high levels of cow comfort and prevents injury.



Perfect milking routine

The milking equipment on the AutoRotor Magnum 40 offers a high level of technology that is kind to the udder. The programmed teat stimulation and automatic cluster removal enables maximum milk yields to be achieved, whilst providing a constant but stress-free workload for the operator.

High throughput

The path to success: milk more cows within a shorter space of time by using an optimum combination of components and intelligent herd management.

Perfect process

Your personal GEA Farm Technologies milking control assistant guarantees a perfect process round after round. Order the milk management expert with Metatron, choose Dematron as an allround talent or leave the reliable stripping to DeMax!

Cleverly thought-out technology

– Extremely easy to maintain

The modern electric drive ensures a gentle start and smooth operation. It is not only extremely reliable but also has a long service life. This is an energy-efficient and maintenance-friendly system.



The circular solution for improved performance and comfort

Save time by taking it easy: there can be no mad frenzy when one person is looking to milk over 100 cows in an hour. A rotary milking platform with short operating paths and full cluster stimulation makes for a calm but quick milking. The optimum positioning of the cow at 40 degrees ensures that the udder is clearly visible and provides easy access to the animal.

A perfect platform:

The concrete rugged standing surface has proved itself in practice through having a long service life, being easy to service and providing maximum comfort for the animals. The concrete platform is also easier to clean thanks to its sloped surface. Comfortable positioning without any risk of injury within an animal-friendly attractive milking stall: all the stall dividers have a rounded design that suits the shape of the cow's body. This makes it easier for the cow to enter the milking place.

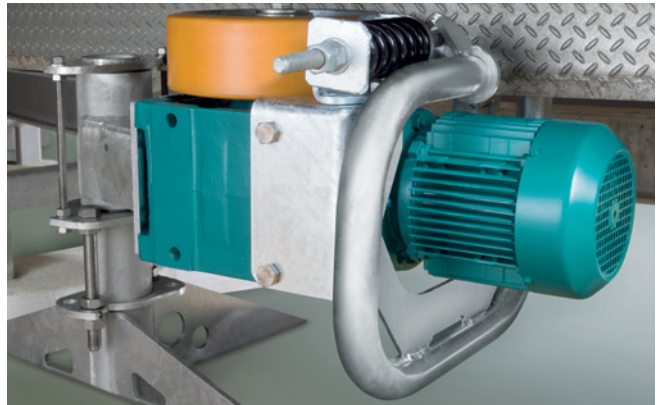
DPView Premium – the cockpit for AutoRotors all information relating to controlling, analyzing and monitoring of all relevant processes are visually displayed and are available via PC or Touchscreen.

DPView Premium
Via colors the milking process is displayed

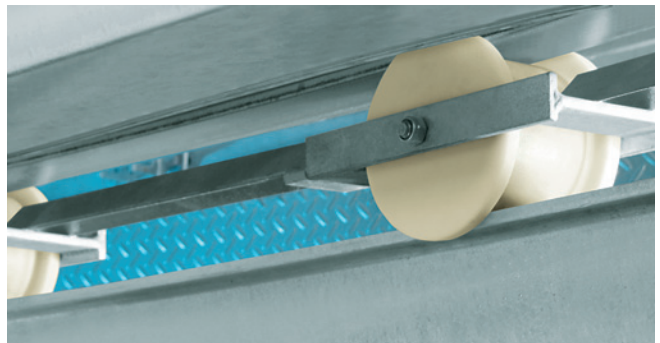


It doesn't get any better:

The new electric drive operates with maximum energy efficiency. This not only ensures cost-effective operation, but also combines a long service life with reliability, and to top it all, lower maintenance and installation costs.



Smooth: the platform runs on extremely rugged maintenancefree track rollers. Unlike other systems, there are no ball bearings which means fewer costly downtimes for the purpose of carrying out maintenance work.



The control panel Operator Control 200i for high performance - the AutoRotor platform speed and direction can be smoothly adjusted to the required milking speed.



The new control panel Operator Control 300i for a visual monitoring of the milking process. The possibility for a faster intervention and an optimal system diagnose is offered.

The result - continuous cow traffic with maximum throughput performance.



EasyEntry (EE) Version

Application recommendation for commercial farms

The cows leave the holding area and go straight onto the platform without stopping. This speeds up the flow of animals, enhances cow comfort and also increases throughput. Once on the platform, the animals are identified quickly and reliably.

- Reliable identification thanks to pass-by antenna
- Animals enter the platform without stopping
- Safe indexing process with breast and neck rail structure
- No time wasted before the operator can apply the cluster
- Higher throughput rate



The cow's entry to her individual place is therefore an easy, reliable and stress-free process that does not impede neighbouring animals.

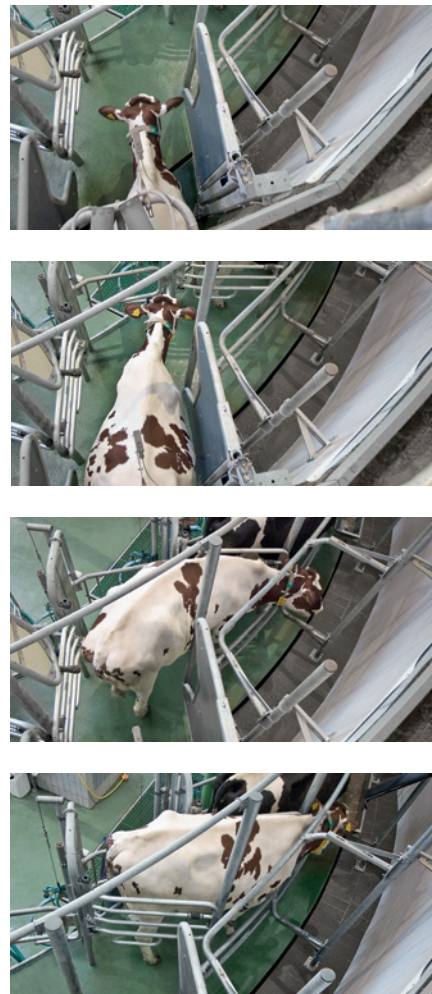


SingleFlow (SF) Version

Application recommendation for family farms

The central entrance gate ensures smooth access to the platform for each individual animal. The moving stall divider guides the cow directly to the milking place.

- Reliable identification at the entrance gate
- Animals enter the platform one at a time without any interference
- Safe indexing process with moving stall divider
- No time wasted before the operator can apply the cluster
- High utilization of the milking places



Support right from the very beginning.

There is a large pool of standards and installation plans to help you along. We can also design customized solutions on our CAD system. You will be able to immediately see the result of your ideas in detailed drawings, regardless of the size of the installation.

DairyDesignService:

On-site consultancy is extremely important to us! Above all, you will profit from the experience of our Worldwide network of excellent dairy design experts. Our support will not end with the completion of the installation. Furthermore we will provide detailed instructions which will allow you to use the system to its full potential.



Customer satisfaction is one of our most important goals: With the DairyDesign Group from GEA Farm Technologies we are able to provide you with an optimal planning of your facility. If you're satisfied, we have done our job properly! Our service will guarantee that your goals and ideas can be turned into reality.



AutoSelect 2000-5000 and the route is set

Careful treatment and inspection of the animals is a basic requirement for a healthy and productive herd. With the segregation gates from GEA Farm Technologie, manually searching for and constantly segregating your herd is a thing of the past! GEA Farm Technologie offers different systems for automatically separating individual animals or groups of animals, efficiently, quickly and reliably:

AutoSelect 2000 –

Sorting segregation directly via the AutoRotor network

- 2 ways sorting
- An additional ID is unnecessary

AutoSelect 3000 SA –

is particularly suitable for quick, reliable and easy segregation of individual animals. With AutoSelect 3000 –connected to DairyManagementSystem21 – the animals have a responder permanently fitted. Segregation is controlled centrally via DairyPlan C21 (up to 3 segregation gates).

AutoSelect 5000 –

enables a wide variety of customised segregation solutions, for group and individual segregation in DairyManagementSystem 21 (up to 5 segregation gates; max. four separation areas).



GEA Farm Technologies AutoRotor™ PerFormer

Proven efficiency, performance and reliability

For more than two decades, rotary parlors have revolutionized dairy production around the world — by increasing cow flow, reducing labor and improving overall operating efficiency. GEA Farm Technologies is the market

leader with over 1,000 AutoRotors in service today. Our experience is our greatest asset with proven technology and know-how to assist you in the design and layout of your milking facility to maximize your investment.





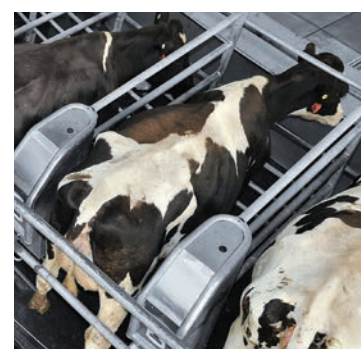
Custom design your own milking center

The AutoRotor PerFormer offers dairy producers a rotary parlor stall that can be built to meet individual farm management styles while reaching individual milk production and profitability goals.

Design a milking facility that meets your labor requirements, works with your milking procedures and provides the highest of standards when it comes to cow comfort, cow safety and operator ease.

The AutoRotor PerFormer offers flexible options for today's commercial dairy:

- n Choose from 24 to 80 milking stalls.
- n Select from our Metatron, Dematron or DeMax detach automation options for the best in parlor management and reliable automatic take-off.
- n Choose from two hose support options: the PosiGuide, for easy attachment and proper unit alignment, and the PosiForm, for a premium break-away support arm that also drops the unit below the deck for a smooth and more hygienic cow entry/exit.
- n The EasyStart option offers operators quick and easy "button-free" unit attachment.
- n Stainless steel is available on request, above or below the platform.
- n Two choices of drive systems: the heavy-duty variable speed hydraulic system or the variable speed electric drive system.
- n Optional Subway System provides easier access to equipment and a cleaner, well-protected environment (for parlors over 40 stalls)
- n An optional retention arm for cows that require a second trip around the parlor is available.



Ruggedly built for 24/7 operation — with low maintenance and long life

When it comes to reliable performance, the GEA Farm Technologies AutoRotor PerFormer is second to none. And, that is the assurance you need when it comes to milking hundreds of cows every hour. There are no

wasted steps to hamper parlor efficiency. Every second saved per cow will significantly improve cow throughput. With the AutoRotor PerFormer, the technology is in the details...and we have every detail covered.



AutoRotor PerFormer shown with optional all stainless steel stalls.

Cabinet integration — safely houses detacher control, cylinder, valves and wires to protect your valuable equipment investment.

Smooth, rounded stall corners — cow friendly design assures greater cow comfort and safety.

Surface sealed — slip-free concrete platform with secure footing.



Heavy-duty platform — ruggedly designed roller carriage requires no lubrication and eliminates the need for bearings that wear out. It also runs quieter for a more pleasant parlor environment.

Hot-dipped galvanized undercarriage — bolt together construction for long life and reliable performance.

Stainless steel control cover — for a great look and easy cleaning.



Integrated C.I.P. panel — folds down for use and quickly stows away for milking. Built with a stainless steel pillow and rubber jetter cups.



AutoRotor PerFormer with PosiGuide

PosiGuide hose support — the swing arm version with a hose adjustment strap for easy attachment and proper unit alignment. The PosiGuide is not available with a unit drop-down feature. Air detacher only available in the U.S.



AutoRotor PerFormer with PosiForm

PosiForm hose support — the break-away arm version with hose adjustment removes the milking unit straight off the udder, safely away from the legs of the cow.

PosiForm automatic unit presentation — keeps the milking unit down and out of the way during udder preparation, and is presented to the operator at an ergonomic working height for a quick, easy and consistent attachment process.

PosiForm automatic unit lowering — after milking, the unit is lowered to provide unobstructed access to the udder.

PosiForm unit cleaning — with the arm in the lowered position, the milking unit and hoses can be cleaned, away from cows' udders. Cleaner milking equipment and cows that are kept clean and dry (even in the milking parlor) helps reduce the chance of new mastitis infections.

PosiForm exit/entry — with the milking units below the deck at the exit/entry area, cows now have a streamlined path on or off the platform for relaxed and continuous cow traffic — improving throughput.



Unique ball support strap — this easy-to-use hose adjustment support ensures proper unit alignment throughout the milking process.

PosiForm — the ultimate milking control arm

1

Cow Entrance: Cows quickly and easily enter the platform with no milking unit interference.



2

Cow Prep: PosiForm arm keeps the milking unit safely out of the way from the cows and the operators during prep procedures.



5

Unit Removal: After milking, the PosiForm arm removes the milking unit straight off the udder (not at an angle) and away from the cows' legs.



6

Unit Drop-down: The PosiForm arm swings the milking unit down and out of the way after milking, providing operators unobstructed access to the udder.



3 Unit Attachment: The milking unit is presented to the operator (at a selected position) for a quick and easy attachment, which saves valuable time and reduces operator fatigue.



4 Unit Alignment: The PosiForm arm positions the unit squarely under the udder, and the hose support provides additional adjustments for optimal unit alignment — at every milking for every cow.



7 Unit Cleaning: As milking units pass under the deck, they can be automatically or manually sprayed off with water — away from cows' udders.



8 Cow Exit: With the milking units out of the way, cows can easily and safely exit the platform. In addition, milking units and hoses stay cleaner for better milk quality.



The PerFormer stall offers flexible options to meet the needs of your operation

EasyStart — offers operators “button-free” attachment. With EasyStart, the pulsation and vacuum supply is automatically started and the unit is put into “milk-mode” when the operator moves the arm slightly forward. There are no buttons to reach for or push, making unit attachment extremely operator friendly and quick.



Easily integrated herd management software — the GEA Farm Technologies AutoRotor PerFormer, together with the Dairy Management System 21, keeps reliable herd and parlor data at your fingertips — 24 hours per day.



Full line of automation options — the AutoRotor PerFormer can be matched with your choice of parlor automation packages — with or without milk yield indicators and/or milk metering — based on your management needs.



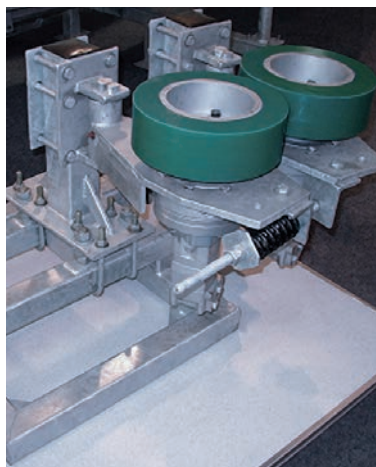
Subway system — available on GEA Farm Technologies AutoRotor PerFormer parlors with 40 or more stalls, the Subway System provides greater access to critical components and a clean, dry working environment. In fact, maintenance can be performed while the platform is in operation.



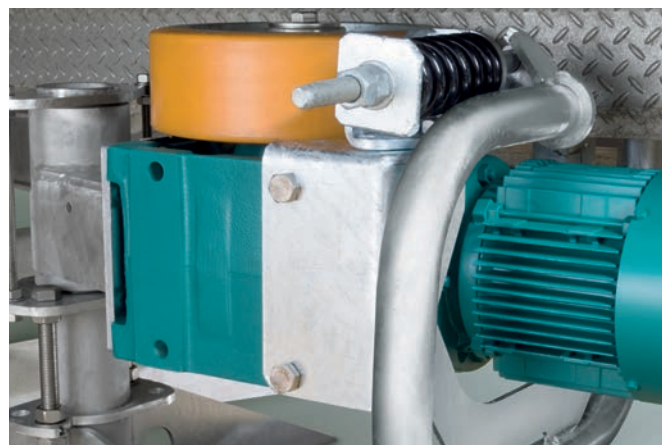
Stainless steel skirts and splash shields — provide a sleek design and keep the parlor and everything in it cleaner.



Choose a drive system to fit your operation — the proven GEA Farm Technologies hydraulic drive system gets even better with improved orbital drive motors and a more efficient design, providing a quick, quiet and smooth operation. An electric drive system is also offered as an option.



Hydraulic Drive System



Electric Drive System

GEA AutoRotor™ PerFormer CX360

GEA AutoRotor™ PerFormer CX360



For more than two decades, rotary parlors have revolutionized dairy production around the world — by increasing cow flow, reducing labor and improving overall operating efficiency. GEA is the market leader with over 1,000 AutoRotors in service today. Our experience is our greatest asset with proven technology and know-how to assist you in the design and layout of your milking facility to maximize your investment.

GEA has taken rotary
parlor innovation to the
next level with the
AutoRotor PerFormer
CX360.

Below the deck innovation — like nothing else on the market today!

New industrial roller system — keeps the platform on-center, which reduces friction on the rollers themselves, allowing them to last longer, improving the performance of the stall.

Sleek design — recessed parlor skirting meets a slim platform for a clean, functional look. Milking units won't hit the parlor skirting upon detach, protecting valuable milking equipment.

Quiet operation — the new components of the undercarriage system run extremely quiet.

Quick installation — the unique segmented design of the platform plates allows the parlor to be installed much more quickly than traditional rotaries, with less labor.

Easy maintenance — the AutoRotor PerFormer CX360 can be maintained while running, which means less downtime for regular scheduled service.

Above the deck performance — efficiently milk hundreds of cows per hour, 24/7!

Cabinet integration — safely houses detacher control, cylinder, valves and wires to protect your valuable equipment investment.

PosiForm hose support — a break-away arm with hose adjustment that removes the milking unit straight off the udder, safely away from the legs of the cow.

PosiBall hose adjustment — this unique, easy-to-use hose adjustment strap ensures proper unit alignment throughout the milking process.

Smooth, rounded stall corners — cow friendly design ensures greater cow comfort and safety.

Surface sealed — slip-free platform with secure footing.

Longer front splash shield — keeps equipment in the pit cleaner and drier so it has a longer life.

Integrated C.I.P. panel — folds down for use and quickly stows away for milking. Built with a stainless steel pillow and rubber jetter cups.



The CX360 platform and rollers carry a 5-year warranty

PosiForm — the ultimate milking control arm



1. Cow Entrance: Cows quickly and easily enter the platform with no milking unit interference.



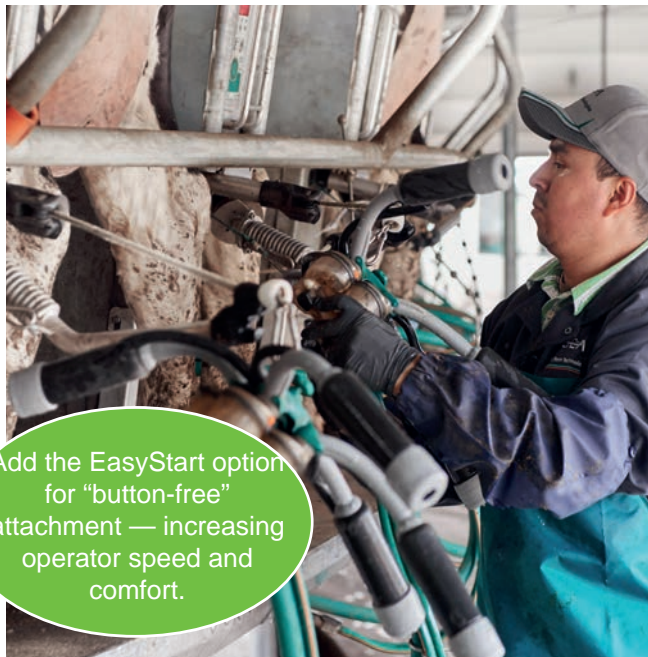
2. Cow Prep: The PosiForm arm keeps the milking unit safely out of the way of the cows and operators during prep procedures.



5. Unit Removal: After milking, the PosiForm arm removes the milking unit straight off the udder (not at an angle) and away from the cow's legs.



6. Unit Drop-down: The PosiForm swings the milking unit down and out of the way after milking, providing operators unobstructed access to the udder.



3. Unit Attachment: The milking unit is presented to the operator at an ergonomic working height for a quick and easy attachment, which saves valuable time and reduces operator fatigue.



4. Unit Alignment: The PosiForm arm positions the unit squarely under the udder, and the hose support provides additional adjustments for optimal unit alignment — at every milking for every cow.



7. Unit Cleaning: When milking units are in the lowered position, they can be easily sprayed off with water — away from cows' udders.



8. Cow Exit: With the milking units out of the way, cows can easily and safely exit the platform. In addition, milking units and hoses stay cleaner for better milk quality.

The GEA AutoRotor™ PerFormer CX360 offers features and options designed for today's commercial dairy operations.



EasyStart offers operators “button-free” attachment — With EasyStart, the pulsation and vacuum supply is automatically started and the unit is put into “milk-mode” when the operator moves the arm slightly forward. There are no buttons to reach for or push, making unit attachment extremely operator friendly and quick.



Easily integrated herd management software — The AutoRotor PerFormer CX360, together with the Dairy Management System 21, keeps reliable herd and parlor data at your fingertips — 24 hours per day.



Full line of automation options — The AutoRotor PerFormer CX360 can be matched with your choice of parlor automation packages — with or without milk yield indicators and/or milk metering — based on your management needs.



Subway system — Provides greater access to critical components and a clean, dry working environment. In fact, maintenance can be performed while the platform is in operation.

Electrical drive system — 1.1 kw motor provides a smooth start and is the most efficient option on the market. It's a robust drive that requires very little maintenance. Unique vertical installation limits rotary slippage, enhances life of drive wheels and ensures easy access for service if needed.

Two entrance style options — The standard entrance allows cows to enter the platform one at a time and the V-shaped entrance allows one cow to enter the platform while the second cow establishes position to enter the platform. This continuous process helps improve cow flow, especially when there are new or slow moving cows.

Quick installation – the unique segmented design of the platform plates allows the parlor to be installed much more quickly than traditional rotaries, with less labor.



REVOLUTIONARY CONSTRUCTION

The foundation of the AutoRotor PerFormer CX360 is based on a truly innovative series of pre-assembled, pie-shaped segments that fit together to form the circular platform of the rotary. The platform is turned via a revolutionary roller system. When combined, these undercarriage components provide installation accuracy that ensure your parlor stays perfectly on-center.

This reduces friction on the rollers, allowing them to last longer. This stall is built for commercial dairy applications.



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