

The background of the image is a photograph of a DeLaval herringbone milking parlor. The view is from a low angle, looking down a long, narrow aisle. On the left side, there are rows of milking machines (milking units) mounted on a metal structure. The ceiling is high and features several long, bright fluorescent light fixtures. The floor is made of a dark, perforated metal grate. The overall atmosphere is industrial and clean.

DeLaval herringbone parlors
Cow and milker interaction –
driving superior performance

Cow and milker interaction – driving superior performance

When you want to expand your herd without losing close contact with your cows, think DeLaval herringbone parlors.

When you want comfortable cows but superior milking performance, think DeLaval herringbone parlors.

We have helped dairy farmers just like you, produce high-quality milk effectively for over 130 years and are happy to help you find the perfect herringbone parlor for you, your cows and your wallet.



Complete solutions for cow and operator comfort



When you invest in a DeLaval herringbone parlor, you acquire an integrated system.

It's the seemingly small things that make the difference: the suspended, angled rump-rail, wide entrance lane and minimal turning space for the cows. These unique design innovations lead to time and labor savings: small differences that add up to provide extra cow and operator comfort.

With DeLaval herringbone parlors you will achieve:

**Optimal
cow
comfort**

**Operator
friendliness**

**Faster
throughput**

**Integrated
automation**

**Flexible
design
for
upgradability**

**Low
maintenance**

DeLaval herringbone HB30

For optimum cow-milker positioning and interaction

DeLaval herringbone parlor HB30 improves productivity by prioritizing milker comfort and good cow positioning. With the angled staggered rump-rail, the cow stands comfortably close to the pit with no pressure on her sensitive pin and tail areas. And because the rump-rail is suspended, it is easy for the operator to access the udder from the side.



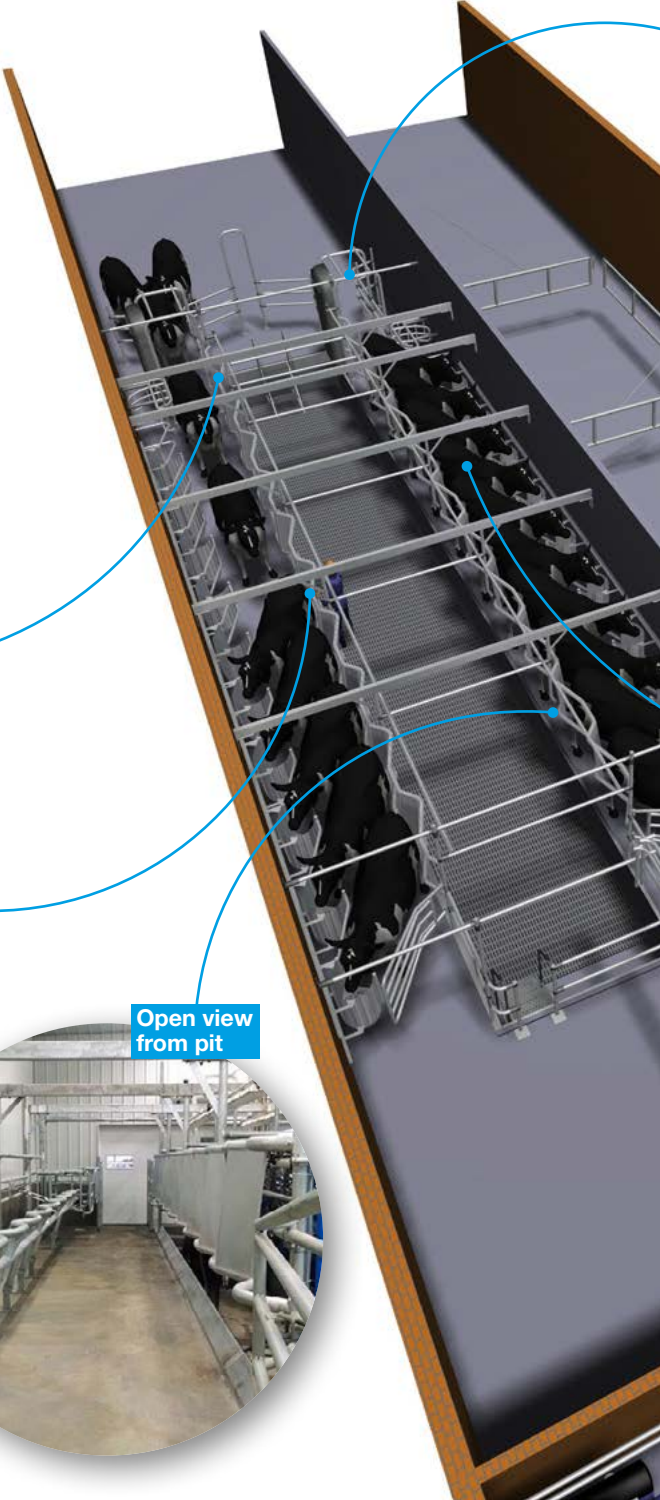
Staggered suspended rump-rail



Entrance gate



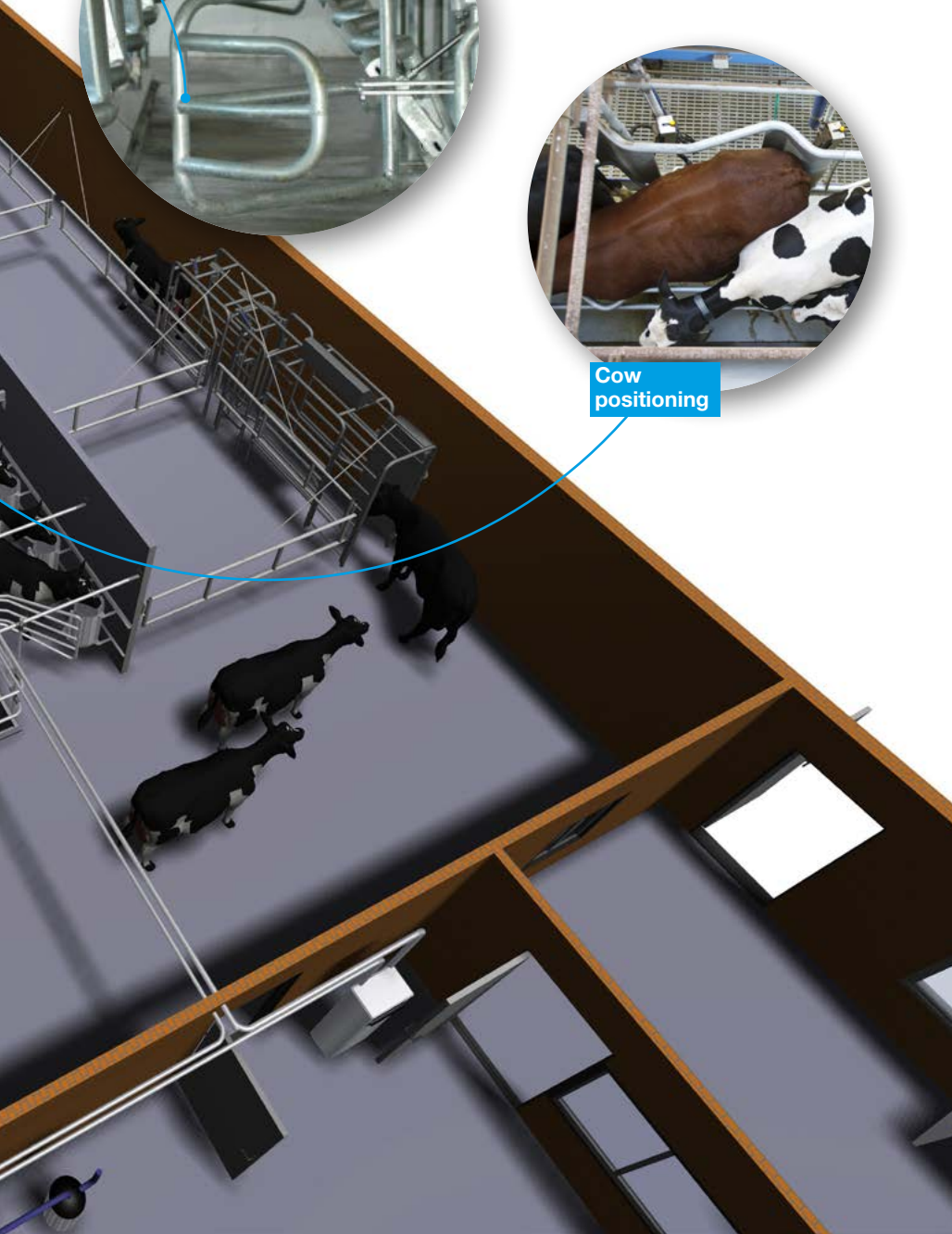
Open view from pit



Wide entrance lane



Cow positioning



Cow comfort

- Minimal turning needed to get into position for faster loading.
- Adjustable breast rail for comfortable, snug fit (manual or pneumatic options).
- Angled staggered rump-rail increases cow confidence, promotes fast milk let-down and milk-out.
- Less bullying due to staggered positioning.
- Cluster support ensures good cluster alignment, reducing the risk of liner slip (option).

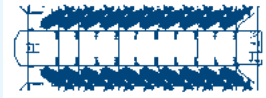
Operator comfort

- Comfort-Start allows operators to start milking by lifting the cluster, without having to push any buttons (option).
- Suspended “post-free” rump-rail gives unobstructed view of the udder and helps reduce risk of operator injury.
- Angled rump-rail allows cows to stand close to the operator.
- Kick-rail positioned close to back leg reduces risk of milker getting kicked.
- Splash guard protects milkers and equipment.

- Swinging vacuum-controlled entrance gate opens fully for fast entry.
- Swinging exit gate with manual or vacuum control for speedy exit.
- Proven ID system provides fast and reliable cow identification (option).
- Crowd gate for faster milking (option).

Robust and reliable

- Durable design with heavy gauge steel tubing and 2 1/2” x 5” rectangle beam.
- Rump-rail suspended from robust cross-beam.
- Hot-dip galvanized welded components.



Optimal flow

DeLaval herringbone HB50

Excellent cow-milker positioning, higher throughput

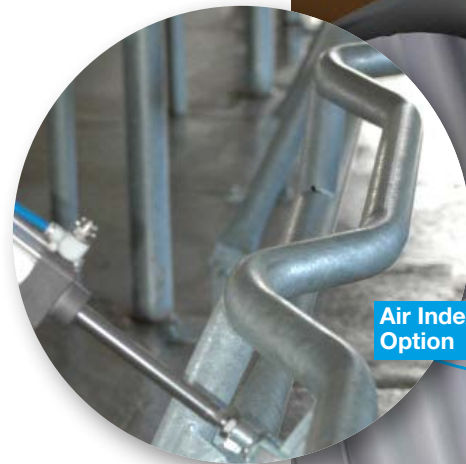
DeLaval herringbone parlor HB50 allows you to fit in more cows per side than DeLaval HB30 for faster milking. With the angled staggered rump-rail, the cow stands comfortably close to the pit with no pressure on her sensitive pin and tail areas. And because the rump-rail is suspended, it is easy for the operator to access the udder.



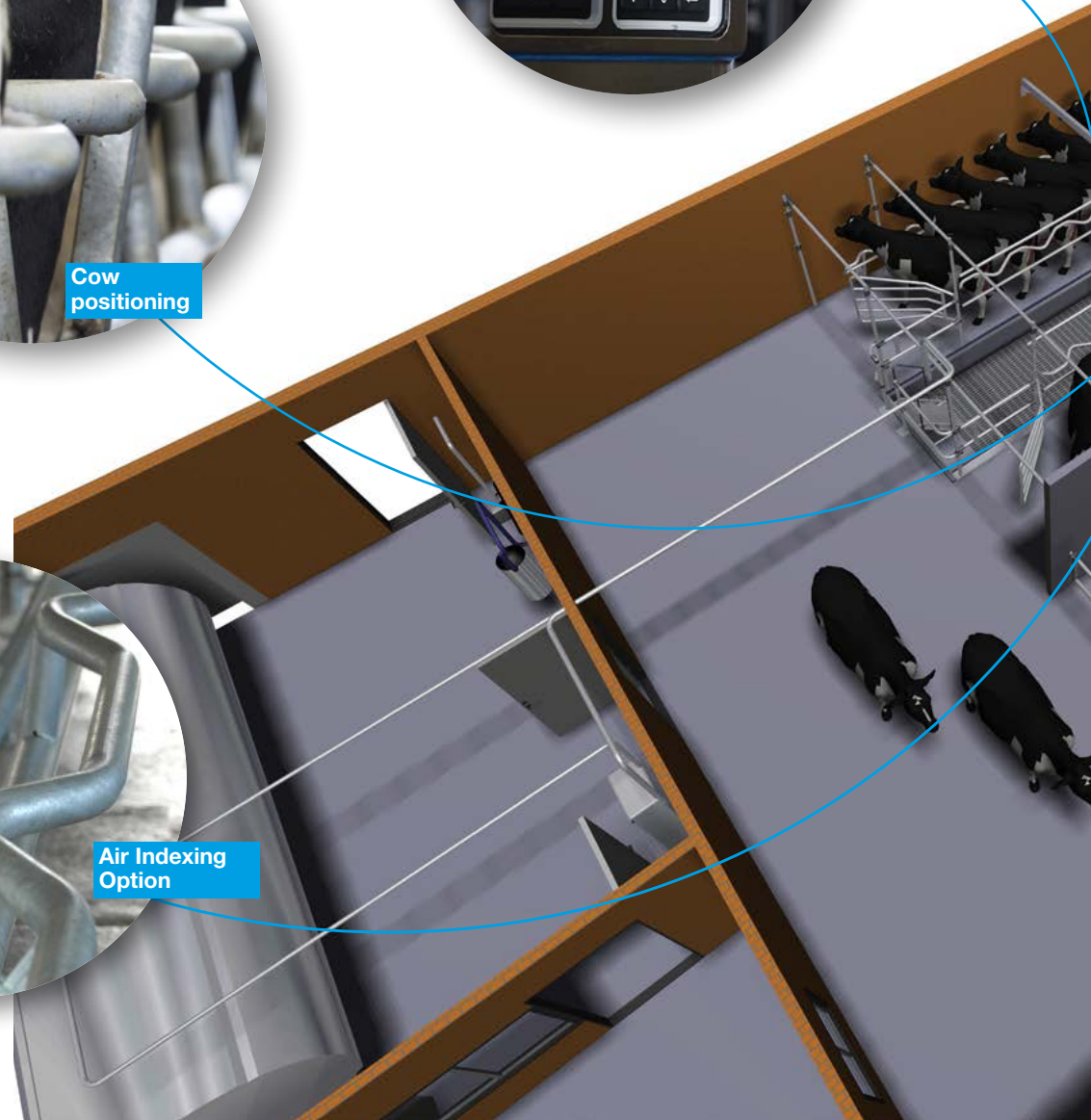
Cow positioning

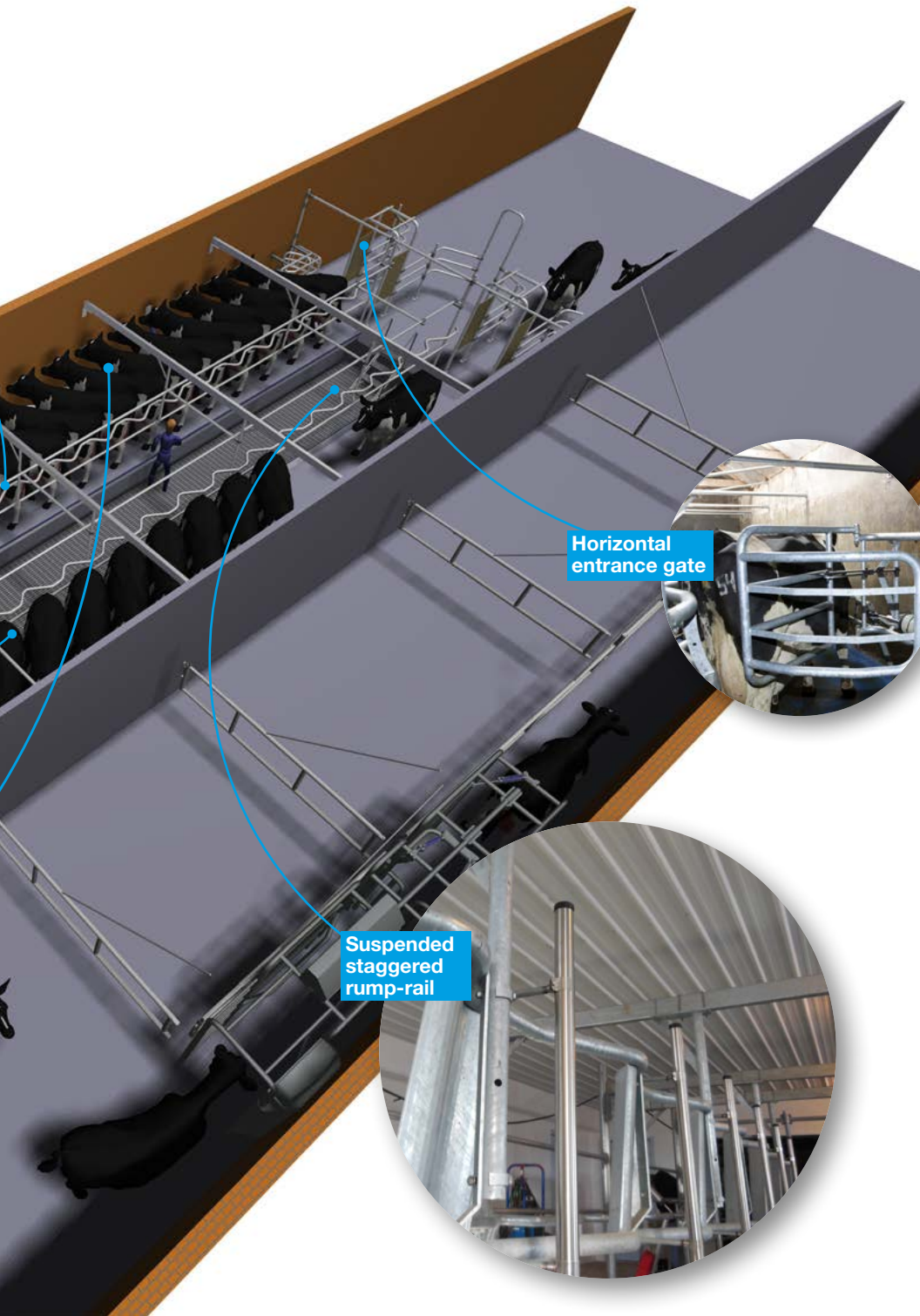


Herd management



Air Indexing Option





Horizontal entrance gate

Suspended staggered rump-rail



Cow comfort

- Angled staggered rump-rail increases cow confidence promoting fast let-down and milk-out.
- Less bullying due to staggered positioning.
- Small turn needed to get into position for fast and easy entry and exit.
- Cluster alignment – reduces the risk of liner slip.
- Adjustable breast rail for comfortable, snug fit (manual or pneumatic options).

Operator comfort

- Suspended “post-free” rump-rail gives unobstructed view of the udder and reduces risk of operator injury.
- Angled rump-rail allows cows to stand close to the operator.
- Kick-rail positioned close to back leg helps reduce risk of milker getting kicked.
- Galvanized steel curb for operator safety.
- Splash guard protects milkers and equipment.

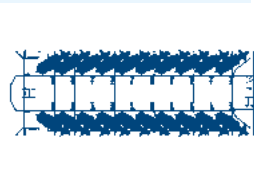
Optimal flow

- Fast and precise cluster attachment thanks to unobstructed view of udder.

- Better alignment means better milk let-down.
- Swinging vacuum-controlled entrance gate opens fully for fast entry.
- Swinging exit gate with manual or vacuum control for speedy exit.
- Proven identification system provides fast and reliable cow ID (option).
- Crowd gate for faster milking routines (option).

Robust and reliable

- Durable design with heavy gauge steel tubing and 2 1/2” x 5” rectangle beam
- Rump-rail suspended from robust beam
- Hot-dip galvanized welded components



DeLaval herringbone HDHB

The heavy-duty parlor with optimum cow positioning and milker comfort

DeLaval herringbone HDHB parlor improves productivity by optimizing cow positioning and milker comfort. This no compromise parlor can handle the toughest conditions with minimum maintenance.

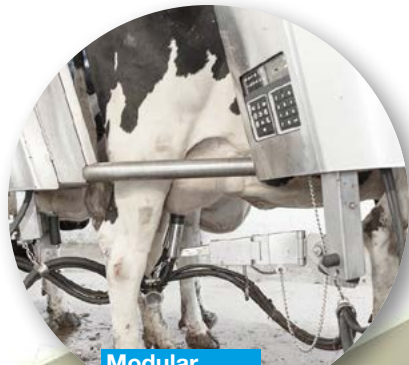
DeLaval herringbone HDHB gives you the flexibility to tailor a parlor to your special needs. You can choose everything: from type of materials, stall spacing and cabinets, to the level of automation; from stand-alone milking points to full herd management connectivity.



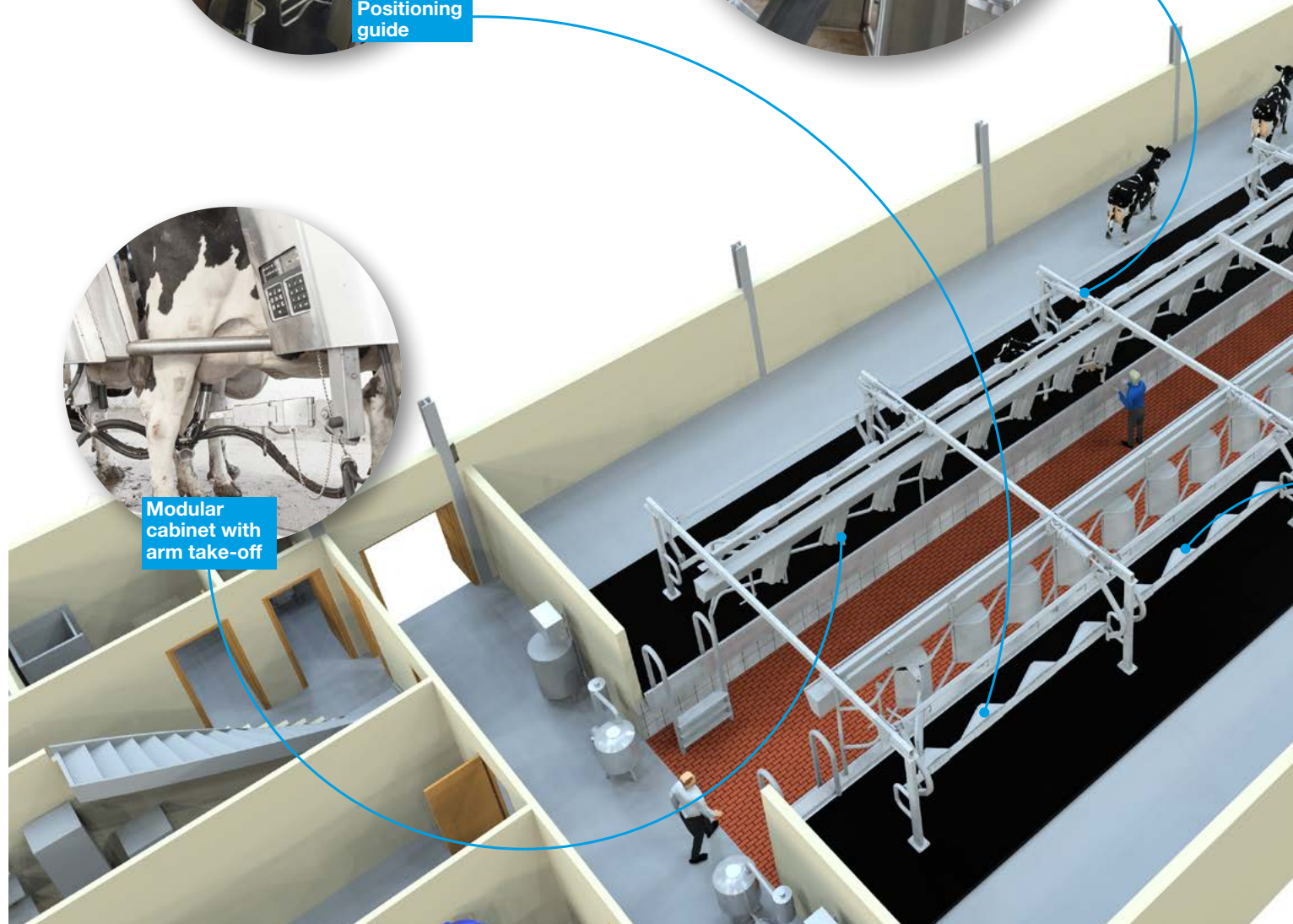
Positioning guide

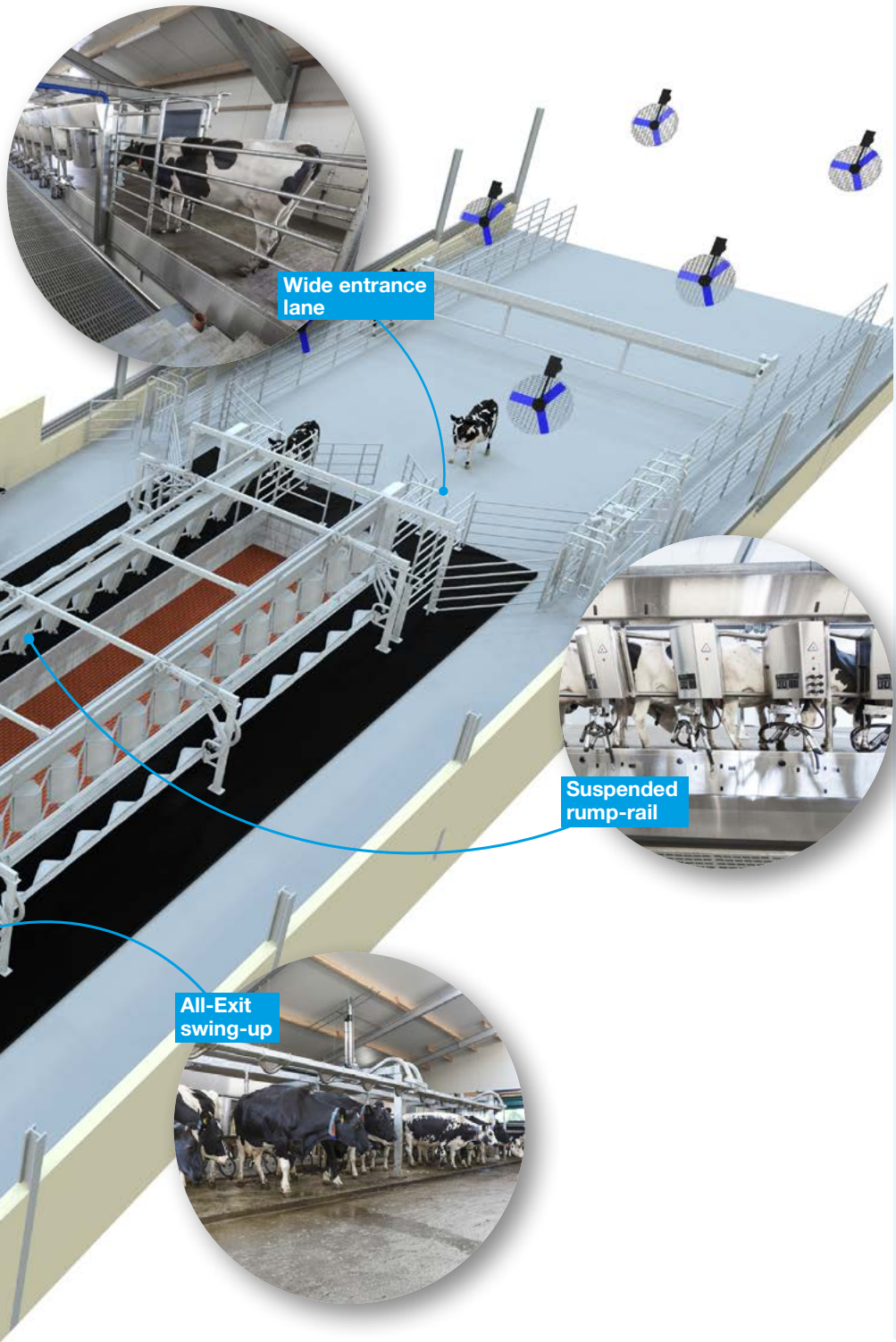


Adjustable air-powered indexing



Modular cabinet with arm take-off





Wide entrance lane

Suspended rump-rail

All-Exit swing-up

Cow comfort

- Brisket rails with positioning guide – allows the milker to attach clusters more quickly.
- Unique two-direction indexing – gently but firmly positions the cows towards the rump-rail and back against the butt-pan. This ensures optimal cow fit and positioning, resulting in faster milker routines.
- Angled rump-rail – shaped to the back of the cow for good cow positioning and comfort.
- Wide entrance lane – minimal turn needed to get into position for fast and easy entry.

Operator comfort

- Suspended angled rump-rail – gives unobstructed view of the udder resulting in better working environment and operator comfort.
- Air powered All-Index™ – optimum positioning of cows for better udder preparation and operator comfort.
- Angled rump-rail with integrated butt-pan – allows cows to stand close to the operator and protects milkers and equipment.
- Remote start – activates milking point controller improving operator ergonomics (option).
- Deck flush – automatically cleans platform, reducing risk of contamination (option).

Faster throughput

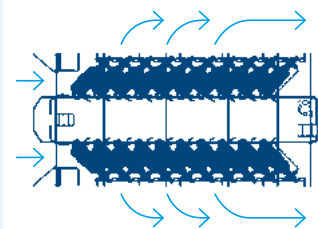
- Fast and precise cluster attachment and alignment – thanks to unobstructed view of udder.
- All-Exit™ – one push of a button allows cows on each side to exit, helping to save time (swing-up or vertical-lift options available).
- Open cow platform from entrance to milking place for fast loading.
- Exit Plus – automates exit/entrance sequence to save operators time (option).

Faster installation

- Bolt-together modular design – eliminates on-site welding, speeding up installation process for faster start-up.
- Surface-mount method – simplifies concrete work resulting in faster installation and retrofitting (option).

Robust and reliable

- Robust structure – provides a low maintenance and long parlor lifetime.
- Heavy-duty cylinders, no steel-to-steel wear points, plus strong rectangular structural frames provide durability.
- Air control box with built-in filter – provides pneumatics with clean air for longer life of air components.
- Entrance lane is designed to provide highly accurate identification for data integrity.



Better alignment, better ergonomics – robust arm take-off

DeLaval arm take-off with legendary reliability offers many benefits (option for 42-inch/1,067-mm stall spacing):

- Quicker and easier cluster attachment – can eliminate up to 20% of your work routine.
- Helps to protect udder health by providing a controlled removal of the claw, with no residual vacuum.
- Claw and teat-cups hang straight in the rest position.
- Fall-offs do not disturb the rest of the system.
- Reduces parlor noise.
- Less wear and tear on equipment, claws, teat cups and liners.

DeLaval MidiLine™ ML2100 milking system

Low investment swing-over system

With its swing-over clusters positioned in the middle of the pit, DeLaval ML2100 lets you cut automation costs in half.

Serving both sides of the parlor, DeLaval MidiLine ML2100 makes extremely efficient use of milking points compared to a system with one unit per stall. In other words, you can achieve a similar parlor capacity to a double-up or low line system, for a significantly lower capital investment.



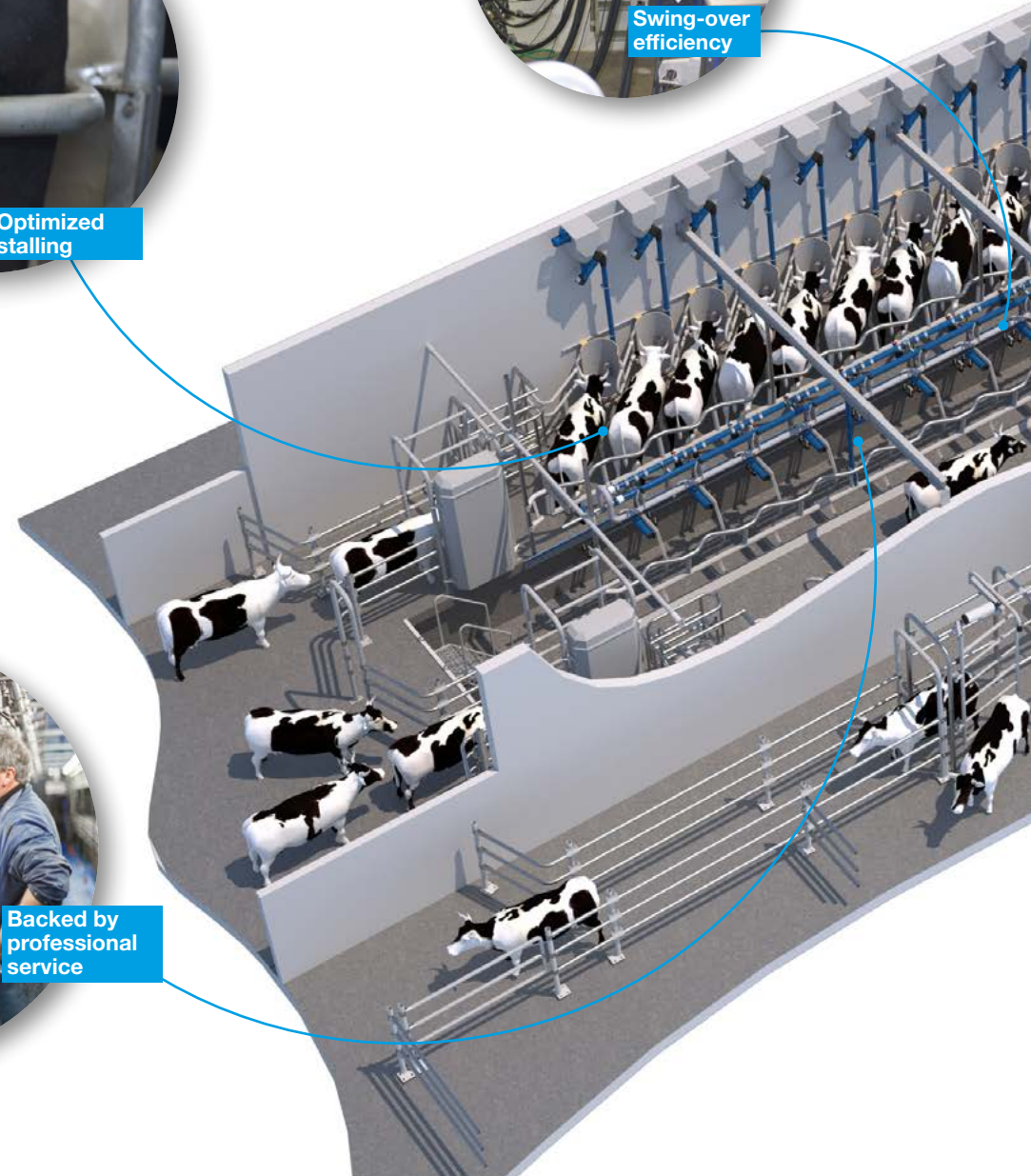
Optimized
stalling

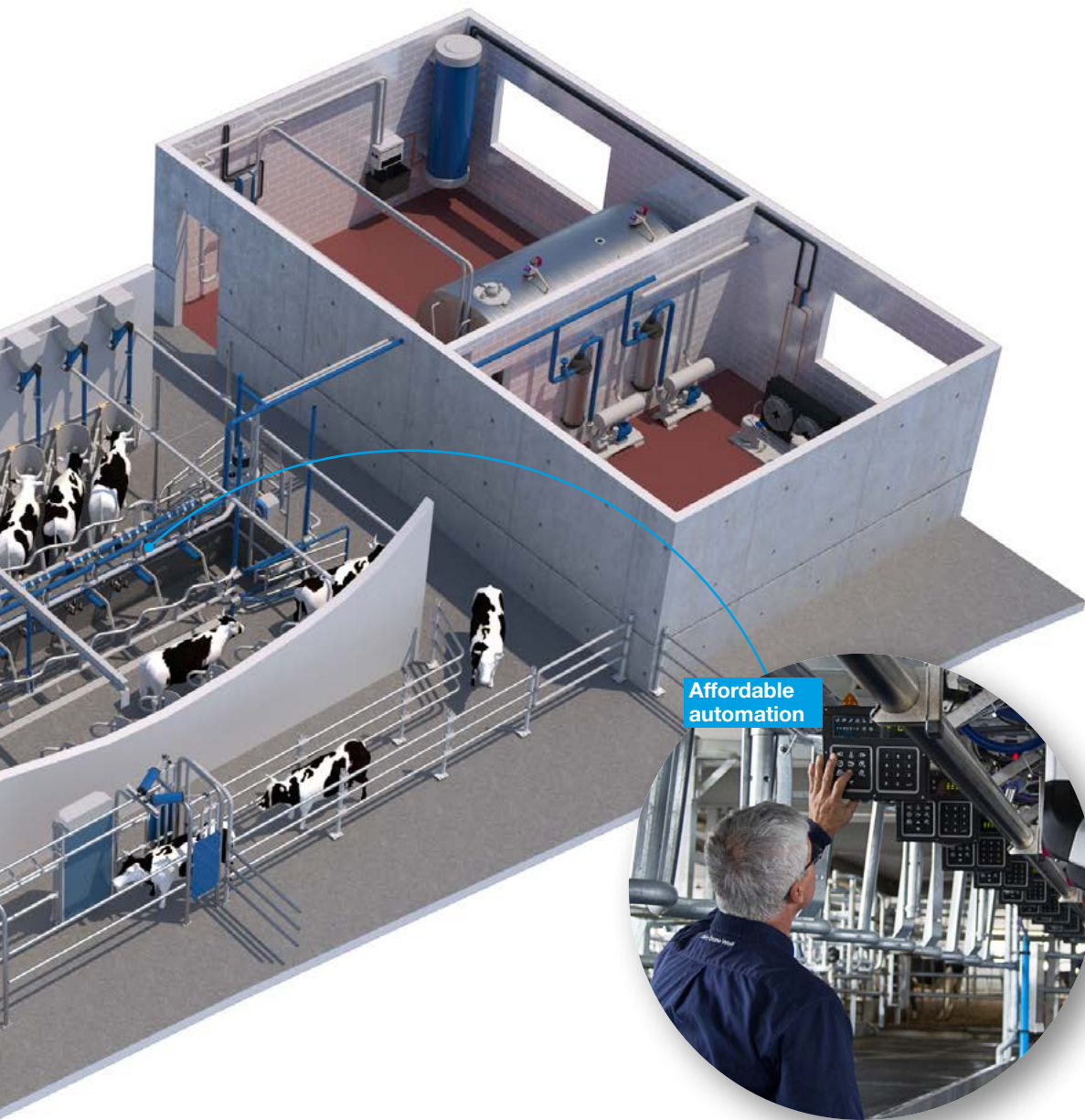


Swing-over
efficiency



Backed by
professional
service





Affordable automation

Operator comfort

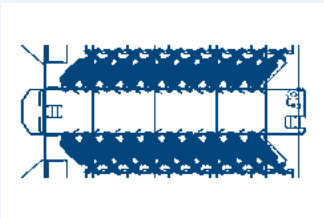
- Well positioned interfaces ensure comfortable and easy operation.

- Accurate and intuitive automatic cluster removes ACRs promote better routines and less walking.

- The optimized design of our ML2100 swing-arm, ensures open work areas and unhindered preparation of the next row of cows.

Cow Comfort:

- Positioning leads to comfortable cows. With optimum cluster alignment provided by the DeLaval swing-arm, cows milk quickly and easily, leading to higher throughputs.



Affordable automation:

- With a swing-over parlor, you get high cluster utilization per dollar invested.

- Requiring fewer units than a lowline, DeLaval MidLine ML2100 offers lower investment for high level automation.

- Quality equipment that helps you finish milking faster.



HRS Holding Pen Reduction System



Cow comfort



Farm planning



Cooling



Milk room

The integrated solution provider



Hoof care



Activity meter



InService™



Farm management



Milking



Milking





Farm planning

Get the most out of your parlor milking system – plan today with tomorrow in mind.

Plan for success

DeLaval has the experience and expertise to help you plan a milking system that will suit your specific situation – both now and in the future.

The way in which you manage workflow is another important consideration when planning your parlor configuration.

Plan for the future

With milk yield per cow increasing and herd-sizes continuing to expand, your parlor should be configured to account for this right from the start.

Solutions to help you grow

At DeLaval, we believe that milking systems should be designed for optimal performance in order to maximize farm productivity.



Cut energy costs

DeLaval lobe vacuum pump LVP is available with an enhanced model powered by DeLaval variable speed drive. With its unique frequency inverter, regulates vacuum pump speeds. The combination of DeLaval LVP and VSD can save energy costs on your vacuum system. When used in combination with the DeLaval Clover™ liner, fast milkout and smooth treatment of teats are further improved.



MC 70 TopFlow cluster

This cluster has gained a reputation for top milking performance, as well as being one of the most hygienic, durable and easiest-to-use clusters on the market. When used in combination with DeLaval Clover™ liners, fast milk-out and gentle treatment of teats are ensured.



Easy to use milking points

DeLaval provides a range of milking point options based on your management needs, with everything from a take-off only option, to premium herd management systems. When coupled with MidiLine, you will have maximized functionality with minimal investment. Whatever your choice, your automation solution is fully upgradable at any time.



Milk recording

Effective monitoring of milk with ICAR approved milk meters and non-ICAR indicators provide the information you need to improve cow health as well as milk quality. DeLaval ICAR approved milk meters such as the MM27BC go a step further by monitoring blood traces in milk, conductivity, kick-off and air entry into liners.

Farm management systems

Bringing the latest technology to dairy farms around the world



A farm management system collects and processes data around the clock, 24/7. It helps to identify trends and supports you in developing strategies at an early stage, helping you to manage your herd and identify cows in need of extra care.

The right decision at the right time

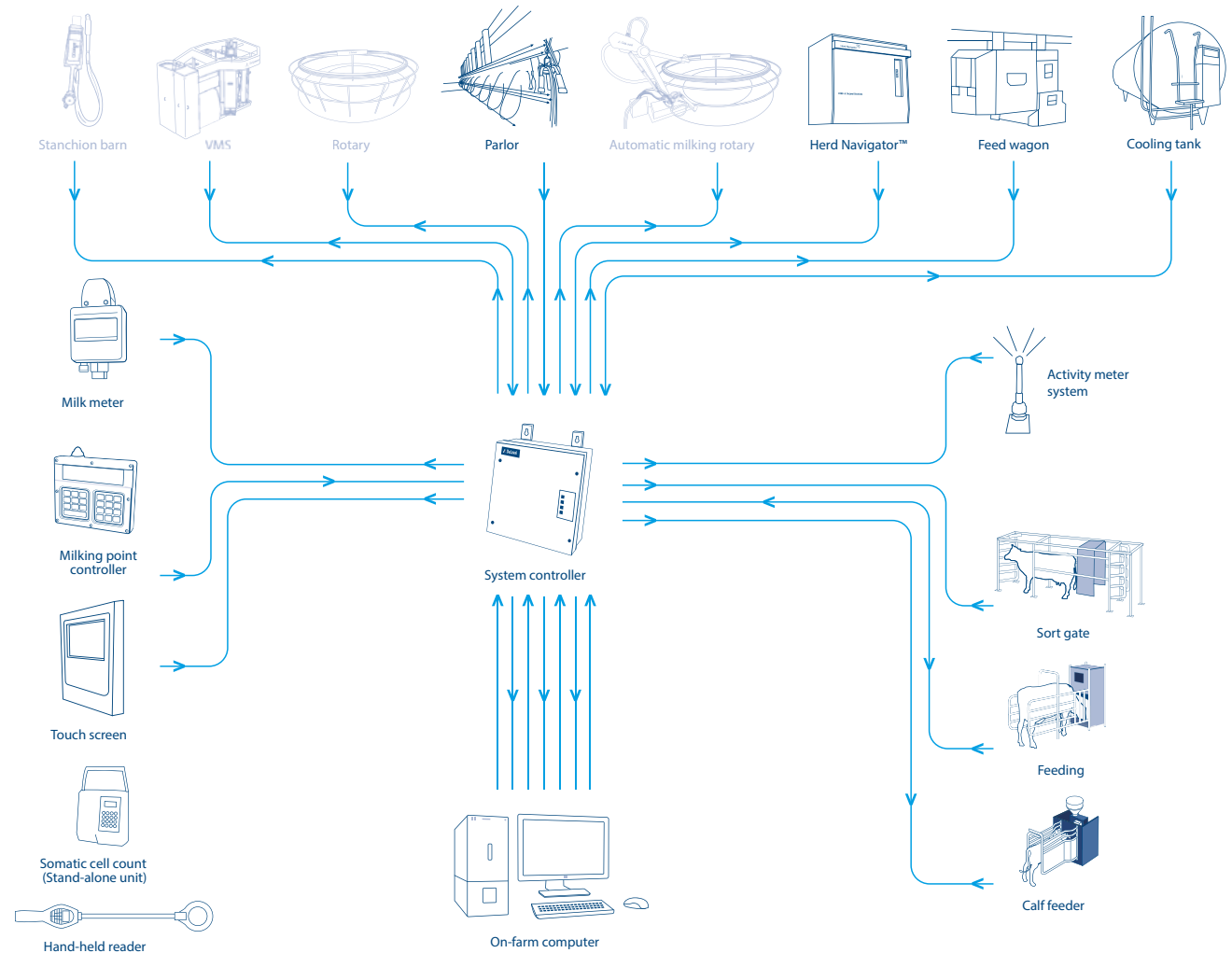
A herd management tool is essential for all farmers who are interested in optimising production. DeLaval farm management system is a modular concept that allows you to manage sorting, feeding, milking and breeding as one integrated business operation. This optimum herd management solution keeps track of each animal, monitors trends and evaluates options.

The power of control

Knowledge is a powerful tool. Reliable ID and milking point controllers help you to manage your milking process in an accurate way and provide you with valuable information.

Easier herd management

Lactation curves can be displayed graphically as can the development and trends of fat, protein and somatic cell count. Activity meters and a breeding calendar are powerful tools in your reproduction management.



HRS Holding Pen Reduction System



An intelligent cow traffic system ensures optimal cow-flow and labor savings. Parlor-integrated crowd gates ensure a smooth flow of cows from the waiting area into the parlor. Swing-up and vertical-lift crowd gates often provide the optimal solution.

Optimat™



Automating the feeding process lets you tailor feeding programs to the needs of individual cows, while saving time, reducing wastage and labor costs. Optimat can be fully integrated with DelPro™ Farm Manager to ensure that each cow receives the optimum feed for her stage in the lactation cycle, thus maximizing yield.

Farm Monitoring Camera



With the DeLaval Farm Monitoring Camera system, you can keep an eye on what matters most to you from any smartphone or computer. This scalable and flexible solution allows you to monitor virtually anything: milking machines, automatic feeders, calving pens, VMS, even your diesel tank or supply area. The FMC-IP1 is also durable - designed to withstand the dirt, dust and humidity of barns, as well as the weather extremes of the great outdoors.

Cooling



DeLaval offers a range of effective cooling and pre-cooling systems that can be tailored to meet the needs of a productive farm. They ensure that milk is cooled down rapidly and kept in motion, preserving fat content and reducing bacterial growth. In short, they keep milk fresh, so that you can maximize milk quality and help secure milk premiums.

Hoof care



If a cow becomes infected, the last thing you want is for the infection to spread among your herd. You can minimise this risk by treating and cleaning hooves as cows leave the parlor with our footbath and hoof care products. Prevention with regular hoof care will increase cow productivity and longevity.

Barn equipment



A good barn environment is essential for optimum cow comfort, health and productivity, while protecting milk quality. This is particularly true in loose-house barns, where your animals are indoors all or most of the time.

Ventilation and illumination



Your animals need fresh clean air to achieve their production potential. Unventilated or poorly ventilated structures with high levels of moisture, manure gases, pathogens and dust are detrimental to your cows, and your productivity. Good light management will optimize milk production.

Cow comfort



DeLaval supplies a wide range of proven solutions, equipment, consumables and accessories to help you control the production of the highest quality milk from healthy cows. By helping your animals relax in a more hygienic, ergonomic and comfortable environment, you help improve productivity.



Testimonials



**Mike Gudenauf Farms, WI —
DeLaval HDHB**

Two years ago, the 120 cows of Gudenauf Farms moved into a modern barn fully equipped by DeLaval. "I always wanted to go with a herringbone," says Mike. "I milked for 30 years in a stanchion barn and knew every cow – and that's how I wanted it to be in the new parlor." Things have worked out well: for example, somatic cell count has dropped from 250 000 to 110 000 cells/ml.

"I like the simplicity of the parlor and at the same time it looks very robust," says Mike and explains that the new parlor allows for excellent loading times. "Positioning is perfect. At first, we were planning for shorter stalls, but our DeLaval representative convinced us to go with the 42-inch stalls."

Another feature they like is the swing-up solution: a natural and comfortable way for the cows to exit. Mike also comments that the parlor is very well designed, not just for the cows but also for the comfort of the operators.

"During the whole process, the dealer and DeLaval people took a keen interest in our requirements, trying to understand our perspective. Though we are not a big customer, we felt highly valued. There were some challenges with the layout, but they really helped us design this facility for the long term," says Mike.

"We are really happy about how it has turned out. We also like the fact that the system is upgradable. The new parlor has also made us more efficient: we are milking twice the number of cows and in just half the time," Mike says and adds that they are thinking about expanding the farm.



**Kyle Zimdars, Dairy-Producer, Ripon, WI —
DeLaval HB30**

The Zimdars family has farmed near Ripon Wisconsin, for five generations. They expanded the herd and build a 236 stall barn. They milk in a DeLaval double 8 HB50 parabone parlor, that can be expanded to a double 12. They have a herd management system with MPC680 milking points and MC70 milking clusters with Delatron Pulsation. The take offs are stainless steel with chain, and they meter the milk with the MM27 metering system. They use individual CIP cabinets for cleaning.

"I choose the HB30 because I like how it was installed— it's a bolt down. One of the biggest reasons we got the HB30 is that it is a lot better than stanchion milking for our large cows. The best thing about this parlor is the cows are positioned so you get awesome unit alignment. Another thing it is so open (and safe) that you can see everything. It is easy to check the cows."



For more information

DeLaval Inc.

11100 North Congress Avenue
Kansas City, MO 64153

Tel (816) 891-7700
Fax (816) 891-1606

www.delaval.com

DeLaval Inc.

3000 Lakeside Drive
Suite 305 South
Bannockburn, IL 60015

usa.info@delaval.com

Follow DeLaval

