PEARSON
Milking Technology



DAIRY PRODUCT GUIDE

PEARSONMILKING.COM

25+
COUNTRIES



Built in Ireland,
trusted worldwide.

Welcome...

Pearson Milking Technology

Pearson Milking Technology is a family business with a long-standing passion for the dairy industry. Our knowledge, experience and commitment have been built over generations, working closely with farmers to understand the challenges they face and develop solutions that make a real difference.

From milking parlours and automation to milk handling, cooling, feeding, herd management and animal health systems, we manufacture and supply a comprehensive range of equipment designed for modern dairy farms. Our focus is on delivering reliable, practical and innovative technology that helps farmers improve efficiency, productivity and animal welfare.

Our dedication is simple – to support the dairy industry with quality equipment, dependable service and solutions designed for the future of farming.



History

Founded in 1948 by Eric and Florence Pearson, Pearson Milking Technology began with a simple idea. After recognising the demand for milk separators and butter churns among neighbouring farmers, Eric used his engineering skills to source, improve and eventually manufacture dairy equipment locally.

What started around a kitchen table soon evolved into a dedicated dairy engineering business built on practical innovation and continuous improvement.

Today, Pearson Milking Technology is a third-generation family business, exporting milking parlours, automation systems and herd management technologies to more than 25 countries worldwide. Combining traditional engineering values with modern manufacturing techniques, Pearson continues to develop solutions that improve efficiency, cow comfort and profitability for dairy farmers around the globe.

Generations of Experience.
Built into Every Product.


80+
Years
Of Dairy Innovation

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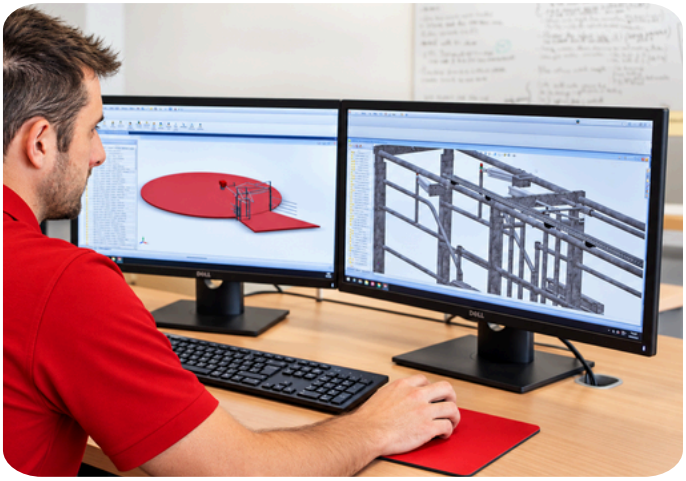
88 Herd Management

91 Milk Bulk Tanks


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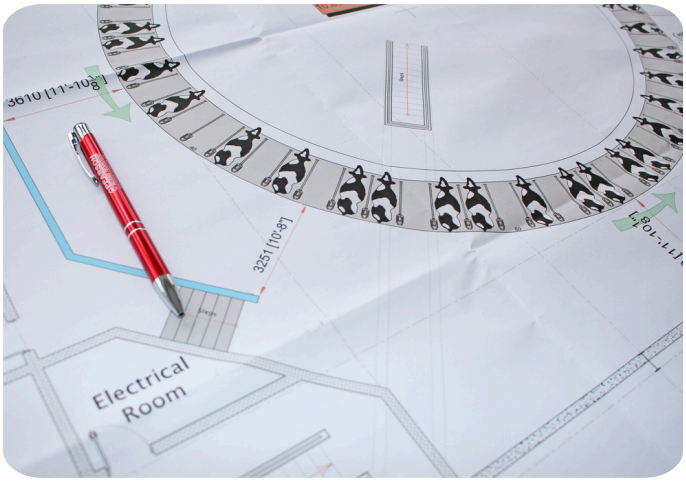


Industrial Engineering,
for Modern Agriculture.



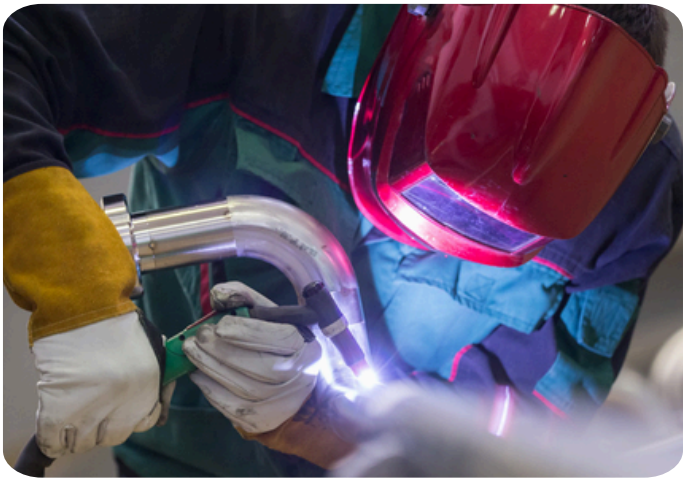
Research

For over 80 years, research and innovation have been at the heart of Pearson. By working closely with farmers, we develop practical solutions that meet the evolving demands of modern dairy farming.



Design

Every Pearson solution combines intelligent engineering with practical design to deliver reliable performance, improved cow comfort and greater efficiency throughout the milking routine.



Manufacturing

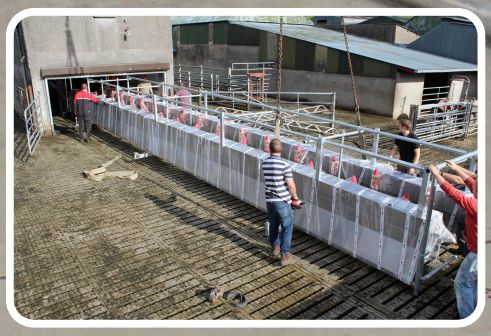
Engineered for performance and built to last, our milking equipment is configured to suit the unique requirements of every dairy farm, regardless of size.



Quality

Designed and manufactured in Ireland, ensuring exceptional quality, proven durability and dependable performance.





Minimise Downtime, Faster Installation.

The Factory Built Milking Parlour

Express Fit

A Proven Process:

Pearson's Express Fit service revolutionises parlour installations by dramatically reducing on-farm disruption and downtime.
Unlike traditional installations, your new herringbone parlour is fully assembled, wired, and rigorously tested by our skilled technicians at our manufacturing facility in Ireland before ever arriving on your farm.

1. Factory Built & Tested
Every component from stallwork and milk lines to controls and electrical systems are professionally assembled and commissioned under factory conditions, ensuring exceptional quality and reliability.

2. Delivered Ready to Install
Your complete parlour is transported directly to your farm, arriving ready for immediate installation.

3. Installation & Commissioning
An installation team fits and commissions the system with minimal disruption to your dairy farm.



Rotary Milking

Comfort for the Cow and Operator

To manage milking on large dairy farms, rotary milking parlours offer an effective solution that maximises space, labour, and time. Each cow enjoys her own bail area and feed trough while on the rotary platform, which minimises bullying creating a more comfortable and relaxed atmosphere.

With nearly constant cluster application and reduced movement for the operator, rotary parlours are among the quickest methods for milking cows. By integrating milk metering with our ProFarm Management System, you gain complete control over your dairy herd.



The perfect combination of cow comfort, operator ease and durable construction.



Industrial Roller System

The double I-beam nylon roller system features heavy-gauge 180 × 75 mm galvanised I-beams for exceptional strength and durability. Mounted on galvanised feet, the system ensures stability, while nylon rollers and carriage assembly create a smooth-moving upper beam. With no bearings, it delivers a low-maintenance solution built for long service life.



Deck Design

The concrete deck features a forward slope to direct wash water away from the operator improving safety and cleanliness. Reinforced with mesh and fibre concrete, it delivers exceptional strength and durability. Structural nibs and a galvanised pan system enhance stability, creating a quiet, solid platform for smooth cow movement.



Drive System

The rotary platform is powered by an electronic drive system. Heavy-duty gearboxes with large drive wheels ensure smooth, reliable rotation. Each drive is positioned inside the rotary and allows easy access for service. Variable speed inverters are supplied with H1 Filters to minimise harmonic voltage during the milking process.



Rotary Control

The stainless steel control panel manages forward, stop, reverse, wash and speed functions for smooth operation. Safety sensors monitor cow movement, automatically pausing and restarting the system. LED colours allow the operators a visual view of the status of the rotary state.

Space Saving, Simple Design.

TP195 Stall Divider

Construction & Design

The bail is constructed from heavy-duty steel pipe and hot-dip galvanised for exceptional strength and durability. A stainless steel front cover houses the control unit or indicator display, providing secure and practical positioning for the operator.

The bail dividers are manufactured from two heavy-gauge box sections, with the lower section incorporating a stainless steel manifold for the milk and pulsation pipes. This design reduces the amount of rubberware required per unit, helping lower annual service costs.

The narrow bail design allows more units to be installed within the available space, maximising parlour capacity. Integrated jetter cups are also built into the bail for quick and convenient attachment and removal.

Comfort

The bail unit features smooth, rounded lines to improve cow comfort as animals enter and exit the rotary. Its low profile allows cows to step easily onto the deck, promoting faster entry and a calmer, more relaxed exit.

The design also allows cows to lift their heads over the bail while backing out of the unit. When feeding on the rotary, head dividers help prevent cows from crowding, while stall dividers reduce pushing and bullying between animals.

Together, these features create a comfortable environment for both cows and operators while supporting smooth cow flow through the parlour.

Technology

All rotary bail units can be installed with a basic cluster remover and upgraded over time to the Vision Global LED System, enabling advanced management of both herd and parlour operations.




PEARSON
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Industrial
Working 24 / 7

Enduro Cabinet Bail

Construction & Design
The cabinet is manufactured entirely from heavy-gauge stainless steel and incorporates a stainless steel jetter door assembly. This construction ensures excellent durability in the demanding conditions of modern rotary parlours, including exposure to cleaning chemicals and cluster flushing systems.

Designed for large herd dairies, the Enduro Bail is engineered for industrial applications. Smooth stainless steel surfaces allow for easy cleaning while maintaining the highest hygiene standards in the parlour.

The bail dividers are formed from two heavy-gauge box sections, with the lower section housing a stainless steel manifold for milk and pulsation pipes. This design reduces the amount of rubberware required per unit, helping to significantly lower annual service costs.

Comfort
The Enduro Bail unit features curved stainless steel folds designed to improve cow comfort as animals enter and exit the unit. The low-profile bail allows cows to step easily onto the deck, encouraging faster entry and a calmer, more relaxed exit from the rotary. This design also allows cows to lift their heads over the bail while reversing out of the unit.

If feeding on the rotary, head dividers help prevent cows from poaching feed, while stall dividers reduce pushing and bullying between animals. The result is a comfortable and efficient environment for both cows and operators.

Technology
The Enduro Bail can be installed with a standard cluster remover and upgraded over time. It is also designed to integrate seamlessly with the Vision Global LED System.

With the Vision Global LED System installed, all electronics are located outside the bail cabinets, leaving the units free of electrical components. This reduces maintenance requirements and minimises the risk of downtime.

Combining this advanced electronic platform with the Enduro rotary bail creates a state-of-the-art, industrial rotary parlour designed for reliable, low-maintenance operation.



Retention Bar System

Performance

The retention bar system helps maximise the performance of the rotary table. Once the cluster is attached, the retention bar lowers to keep the cow in position. If a cow is milking slowly, the bar prevents her from exiting at the normal exit point.

When milking is complete, the retention bar lifts, allowing the cow to exit the platform when the exit point comes around again.

Durability and Control

Retention bars are manufactured from industrial nylon and stainless steel to ensure long service life and excellent resistance to corrosion. The system can be operated using either vacuum or compressed air.

Intelligent Retention

The retention bar system can be integrated with the ProFarm system for intelligent control of the rotary table. The system monitors milk flow, yield, and cow health during milking. If any irregularities are detected, the retention bar lowers just before the exit point, bringing the cow back to the operator for inspection.



Swing Arm System

Comfort

A swing-over arm can be fitted to the rotary unit to improve comfort for both the operator and the cow. The arm supports the weight of the milk and pulsation tubes during milking, helping position the cluster comfortably on the cow.

When the cluster is removed, the take-off cord is guided through the end of the arm, providing a more direct and comfortable cluster removal.

Material

All rotary cluster support systems are constructed from heavy-duty stainless steel for strength, durability, and corrosion resistance.



Hydro Brush Clean

Hydro Clean Brush

The Hydro Clean Brush is designed to keep your rotary parlour performing at its best.

Mounted at ground level, the Hydro Clean Brush works in sync with the rotary platform. As the deck rotates, the brush gently engages with the stainless steel skirt, continuously removing dirt, slurry, and build-up to maintain a clean and hygienic environment.

Designed for Performance

Built with durability and simplicity in mind, the Hydro Clean Brush is a practical addition to any rotary parlour, helping you maintain high standards with minimal effort.



Rota Wash Boom System

Rotary Boom Wash System

The Rotary Boom Wash System is designed to simplify and improve the cleaning process in rotary milking parlours. A stainless steel boom is mounted at the centre of the rotary platform and extends outward, where a wash hose is attached for easy access during cleaning.

The boom swivels smoothly from the central mounting point, allowing the operator to move freely around the rotary while using a single wash hose. This design eliminates the need to drag hoses across the parlour floor, improving safety, reducing clutter, and making the wash-down process faster and more efficient.

Constructed from durable stainless steel, the system is built to withstand the demanding conditions of a modern dairy environment while ensuring long service life and reliable performance. The Rotary Boom Wash System helps maintain a clean, hygienic parlour while making daily cleaning tasks easier for operators.



EasyMilk Line

The EasyMilk Line is an excellent enhancement for any rotary parlour. It serves the purpose of separating milk from individual cows, whether for treatment or antibiotic reasons. Featuring quick attachment and effortless cleaning, it offers a swift and economical solution for milk separation.

Components

The EasyMilk Line is comprised of a ring vacuum line around the exterior of the rotary platform. Near the operator, there are a number of milk bucket assemblies incorporating a pulsator and milking cluster.

Operation

Once a cow enters the platform and her milk is to be separated, for example for milkings. The bucket is attached to the hooks under the rotary table and a tube is connected to the ring vacuum line to supply vacuum.

After the cluster is attached, the operator can restart the rotary deck, allowing the bucket assembly to move in sync with the rotary table.



Leg Divider Pod

Comfort Pod

The Comfort Pod Leg Divider unit is installed onto the rotary deck. Once the cow enters the unit, her back legs are positioned either side of the divider, creating an open and inviting area for the operator to attach the cluster to the udder.

Quatro Pod - Teat Spray

The Quatro Pod Leg Divider has a 4-angle jet spray system incorporated. This system allows teat spray to be applied once the cluster has been removed from the cow. A pre and post-spray system may be used with the Quatro Pod.

Material

All Leg Divider units are constructed from a special mix of plastics to ensure a durable and long-lasting product. The unit is fixed to the deck with stainless steel fixing screws.



Time and labour
efficiency at its best.



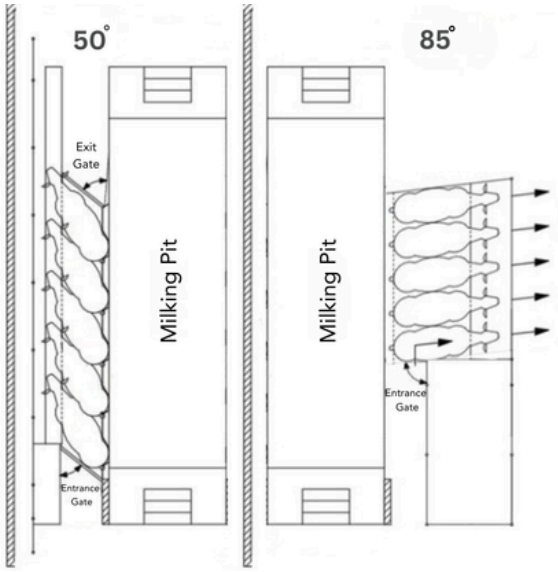
Milking Parlours

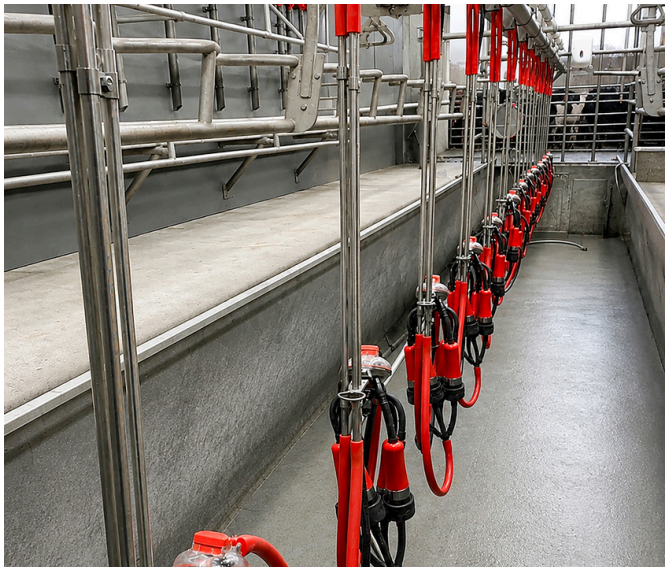
Herringbone & Parallel Milking Systems

Herringbone parlours are a practical and efficient solution for dairy farms looking for reliable consistant milking. Cows stand at a 50 or 30 degree angle to the pit, giving the operator excellent access to the udder for cluster attachment and cleaning routines. Its proven design provides good cow flow, efficient use of space and comfortable working conditions for the milker.

Parallel Milking Parlours have cows standing side-by-side and perpendicular to the pit. This arrangement allows excellent operator access to the rear of the cow, making cluster attachment and cleaning routines fast and consistent. The compact layout provides efficient use of space and is equipped with a Rapid Exit System, making it particularly suited to larger herds where speed, throughput, and reduced labour are important.

HERRINGBONE OPTIONS





Parlour Cow Standings

50 Degree Milking

Cow Flow

A 50-degree milking position provides a fast cow flow due to the cow only having to turn 50 degrees into position. This speeds up cow entry and exit from the manger system on exit.

Comfort

Cows position themselves in a head-on belly position in a herringbone fashion; with this, when the cows increase in size (e.g. in calf), they fit more uniformly and comfortably into the total length of the parlour.

85 Degree Milking

Cow Flow

85-degree milking with the sequential bail system allows fast entry and exit of the cows through the parlour.

Comfort

85-degree milking position with our sequential bailing or yoking system provides total comfort for the cow. Once locked into position, there is no poaching or bullying occurring during the milking process.

MidLine Milking Parlour

Start With Quality

Installing a MidLine milking system provides a strong foundation for efficient and reliable milking. Each parlour is equipped with high-performance milking clusters, dependable pulsation systems, and robust heavy-duty stallwork.

Features:

- Low installation cost
- Durable heavy-duty construction
- Minimal maintenance
- High throughput
- Ease of adding extra equipment

All parlours are designed for easy upgrades, whether you're increasing the number of units or enhancing the technology level.



SwingOver Milking Parlour

Comfort

The stainless steel Swing Over parlour provides a comfortable milking position for the cow. The swing arm supports the milk and pulsation tubes, ensuring optimal cluster positioning on the cow's udder during milking.

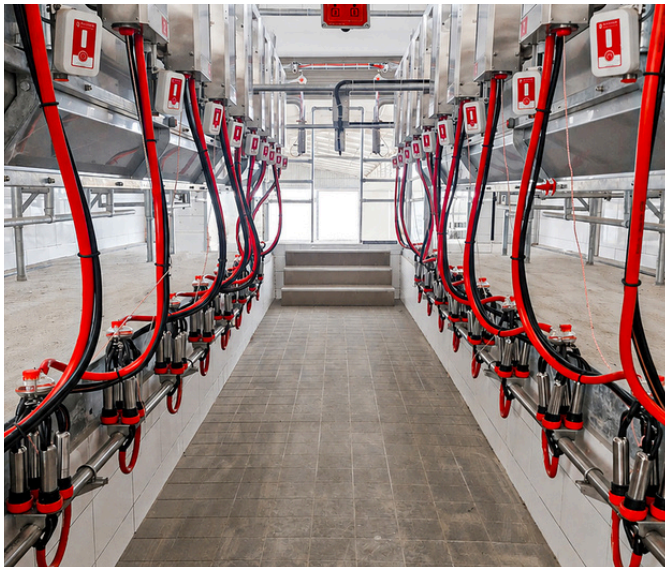
This design also improves operator comfort by keeping the milking pit spacious and free from obstructions.

True Efficiency

Once milking begins, clusters are attached to the first row of cows while the opposite row is prepared for the next cycle. When milking is complete, the clusters are smoothly swung over to the other side and attached to the next row.
This process minimises cluster idle time and ensures all milking units remain in use throughout the milking routine.

Features:

- Cluster support for comfortable milking
- Durable heavy duty construction
- Stainless steel swing arm
- High throughput
- Ability to easily add on extra features
- Capital equipment minimal for maximum throughput



Double Up Milking Parlour

Minimum Space with Maximum Performance

To create maximum output with in a minimum space, double up parlours are a great option.

There is one milking unit per cow. The units are positioned at either side of the milking pit.

Pit lengths are considerably shorter with double-up parlours than with swing-over parlours, allowing fast loading and unloading of cows and shorter walking distances for operators.

Features:

- Cluster support for comfortable milking
- Durable heavy duty construction
- Stainless steel cabinet option
- High throughput
- Ability to add on extra features easily
- Install more units when restricted with space
- Less operator walking

RUMP RAIL OPTIONS



Tapered Straight Rump Rail

The tapered rump rail provides comfortable positioning for cows of different sizes. Its design allows cows to stand closer to the operator, enabling faster and safer cluster attachment.



Cranked Rump Rail

Long herringbone parlours with straight troughs are available with this option. Cows are positioned at an angle along the rump rail, preventing them from stepping backward during milking.



Sheeted Rump Rails

Stainless steel or galvanised sheeting can be fitted to the rump rail to help protect both the milking pit and the operator from dung during milking.



Butt Pans

The stainless steel butt pan helps maintain a clean milking pit by capturing waste before it reaches the floor. The design allows waste to be flushed towards one end of the pit, where it is directed into a drain.



Strength and Durability

All herringbone rump rail and stallwork designs are manufactured from heavy-duty steel and hot-dip galvanised to ensure long-term durability and corrosion resistance.



Volume Wash System

A pressurised water system can be supplied to the parlour, allowing immediate cleaning during milking and helping maintain a cleaner, more hygienic pit area.



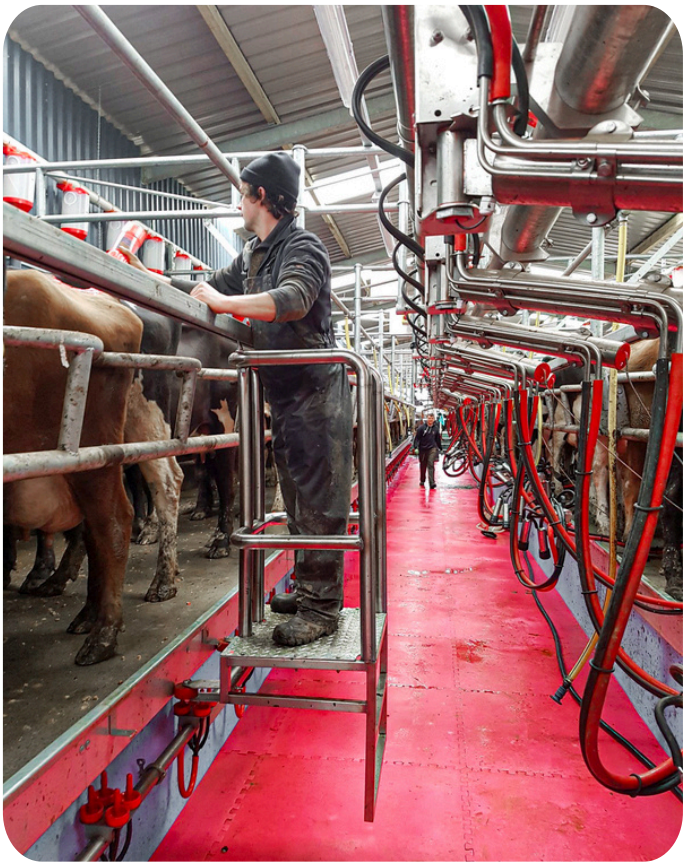
Pit Kerb Rail

A galvanised or stainless steel folded kerb rail is bolted to the side of the pit wall to prevent cows' hooves from entering the pit. The design encourages cows to stand close to the pit edge, giving the operator easier access to the udder.

Parlour Chariot

If additional labour is available in a swing-over milking system, the parlour chariot allows other herd management tasks to be carried out in the pit.

Standing on the carriage provides the operator with an ideal working height for tasks such as tail painting, body condition scoring, artificial insemination, and herd scanning. The carriage moves smoothly along a rail system, allowing the operator to easily slide along the parlour for convenient access to each cow.

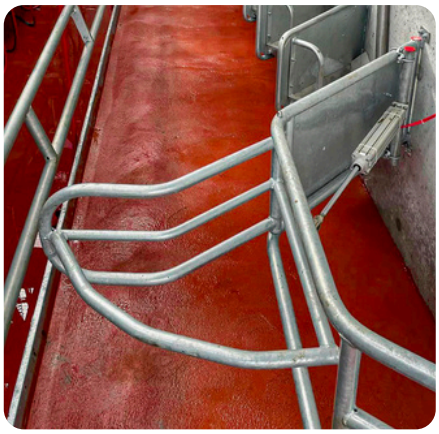




Operator Comfort

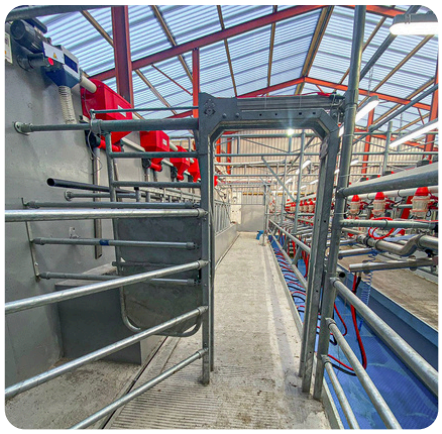
Volume wash systems and pit kerbing contribute to a cleaner, safer, and more comfortable parlour environment.

AUTOMATIC GATES



Entry Gates - 50 Degree

Auto Wrap Around Entry Gates are built from heavy-duty galvanised steel for durability. Integrated into a guide rail, they ensure controlled single entry, guiding each cow smoothly into the parlour.



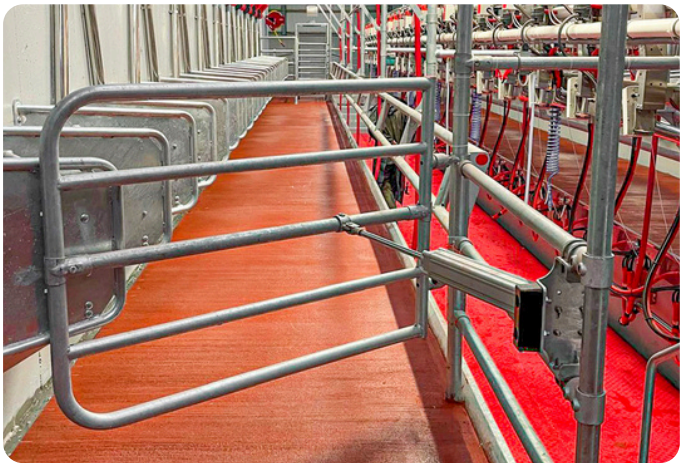
Entry Gates - 85 Degree

The entrance gates are constructed from heavy-duty steel and hot-dip galvanised for long-term durability. A guide rail system ensures controlled single entry into the parlour.



Entry Gate - 50 Degree

Entry Gates designed for auto ID races are built from heavy-duty galvanised steel for durability. Integrated into an entry race guide rail, they ensure controlled single entry, guiding each cow smoothly into the parlour.



Exit Gates - Automatic

To close the exit gate, simply press one of the control buttons located in the pit. The gate will automatically close and lock into position. This simple system improves milking efficiency while reducing operator movement.



Guillotine Exit Gates - Automatic

The automatic guillotine gate lifts vertically for fast, smooth cow exit. Controlled from the pit, it lowers and locks securely at the push of a button, improving efficiency while reducing operator movement.



Design your Parlour to Maximise Cow Flow.



Parlour Stallwork

Durability, Strength, Design

Pearson stallwork is designed to provide a strong, durable and practical framework for modern milking parlours. Its robust construction is built to withstand the demands of daily dairy farming while providing a comfortable and clearly defined standing position for every cow. Good cow positioning helps create a smooth, consistent milking routine and makes the operator's job easier.

Designed for Efficient Milking
Engineered around good cow flow, easy access and efficient parlour operation. Pearson stallwork combines durability, practicality and modern design to provide a long-lasting solution for dairy farmers.



Manger System

Experience gained from feeding routines in the parlour has influenced the design of the manger partition and trough. The manger trough features an angled front face that allows cows to lick against it, encouraging faster feed intake and supporting improved performance.

The angled panel guides cows into the correct milking position, while the extended curve at the front of the manger panel allows cows to lift and turn their heads freely, enabling a quicker exit once milking is complete.

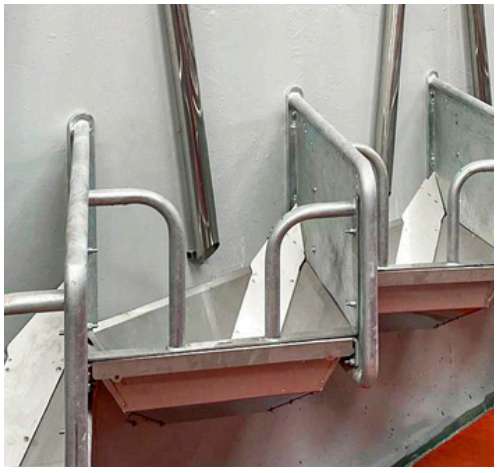
The "zigzag" design positions the cows' front legs more comfortably, helping to create a calmer and more relaxed milking environment.



Bully Bars - Anti Poaching System

While cows are feeding in the milking parlour, bullying or feed poaching between stalls can sometimes occur, creating unnecessary stress for both cows and operators.

Bully Bars help prevent this behaviour by guiding cows into their own feeding space. Positioned on either side of the cow within the Manger System, the panels reduce feed poaching and create a calmer, more controlled feeding environment during milking.





Breast Rail System

The double straight breast rail features two rails to maintain correct cow positioning. The upper rail holds the cow in place, while the lower rail prevents the cow from lowering her head and moving forward away from the operator. An optional neck rail can be fitted to prevent cows from jumping forward over the breast rail.



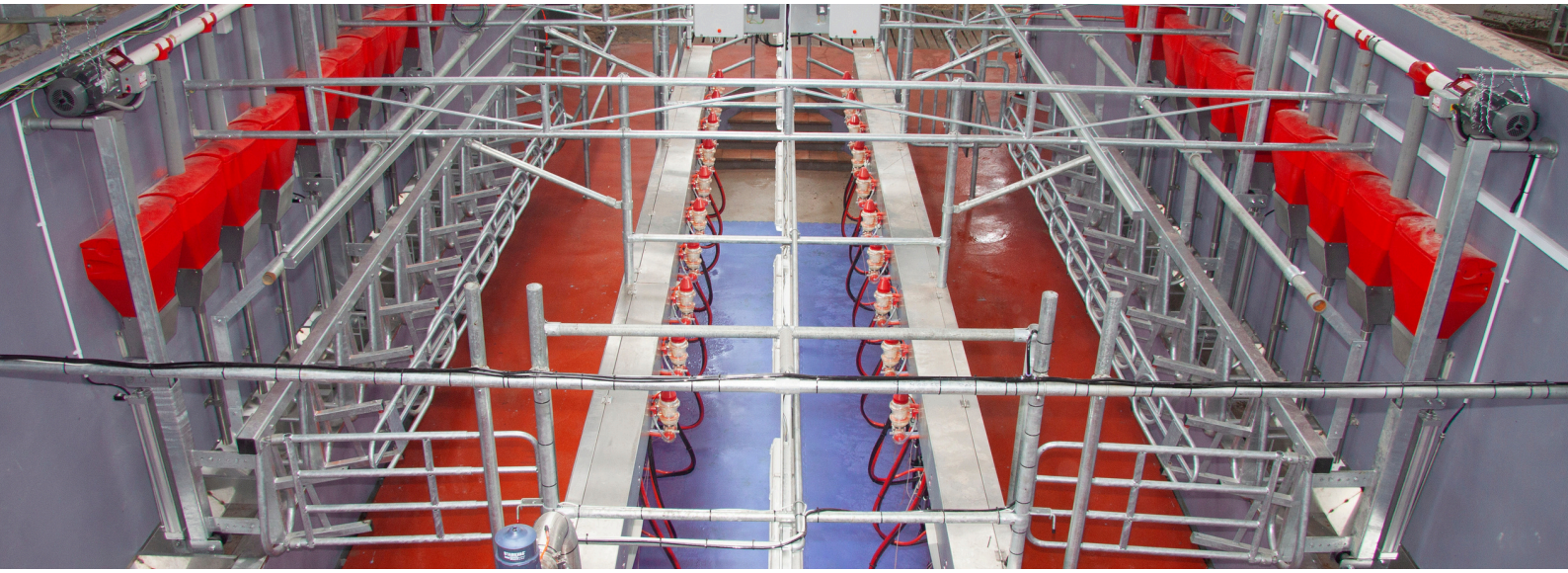
Tombstone System

The Tombstone System creates a calm and low-stress milking environment. Cows enter the parlour and place their heads into the open unit. Once milking is complete, a pneumatic ram opens the Tombstone rail, allowing cows to exit quickly and smoothly before returning to the closed position for the next group.

Yoking System

The Yoking System provides full control of cows during the milking process. As cows enter the parlour, they place their heads into the head-locking mechanism. Once all cows are in position, a pneumatic ram secures the rails, holding them safely in place and preventing pushing or disturbance between neighbouring cows during feeding.





Sequential Bailing System



Construction
The system features a fully galvanised construction designed to withstand the everyday demands of dairy farming. Suitable for 2'4", 2'3", and 2'2" cow stands, it is operated by compressed air rams for smooth and reliable movement. The rams are fitted with safety valves to ensure secure operation when the bailing system is in the up (cow exit) position.

Comfort
To encourage faster cow entry into the parlour, optional feed systems with stainless steel individual troughs can be installed. Steel dividers help prevent feed poaching and bullying, creating a calmer and more comfortable milking environment.



Durability
Once milking is complete, the bailing system lifts to allow cows to exit the parlour freely without obstruction. Nylon rollers are used throughout the system, selected for their durability, self-lubricating properties, and long service life.



Control, Speed, Comfort

This system is ergonomically designed to improve cow flow, enhance comfort, and maximise feed intake. It helps prevent feed poaching, reduce stress, and position cows correctly for optimal udder presentation, making milking easier for the operator.



RED System - Rapid Exit Dispatch



The RED System is designed to maximise speed and efficiency in a herringbone parlour while allowing feeding to take place during milking. It combines rapid entry and fast exit into a single, integrated system.

Quick entry is achieved through sequential bailing paddles, which guide cows directly to the next available stall and prevent them from stopping halfway along the row. This ensures fast and efficient loading of each row.

For exit, the feeding trough system lifts up in front of the cows, allowing them to walk straight out of the parlour. This design clears the milking platform in seconds, helping maintain a smooth and efficient milking routine.



Key Features of the **RED** System:

- Self-levelling trough prevents feed from spilling while lifting, improving cow flow during exit.
- Sequential bailing paddles remain fixed, guiding cows to walk straight out of the stalls without moving left or right along the cow stand.
- Once cows move forward and the paddles close behind them, the entrance gate can open, allowing the next group to enter while the feeding trough lowers.







Smooth Controlled Exit

The **RED** System is engineered to deliver maximum throughput in a herringbone parlour with in-parlour feeding. It combines rapid entry and fast exit in a single integrated system.


PEARSON

Milking Equipment

Performance. Precision. Reliability.

Pearson milking equipment is designed to deliver reliable, efficient and consistent milking performance every day. From milking clusters, pulsation systems, vacuum equipment and parlour components, every part is engineered with the demands of modern dairy farming in mind. The focus is on dependable operation, ease of use and long-term durability.

Pearson combines proven milking technology with practical engineering to help operators improve milking efficiency and animal care. All equipment is designed to work seamlessly within the complete parlour system, providing easy operation, straightforward maintenance and dependable performance.

Increased Efficiency for up to 2500 Milkings

Milking Liners

Performance
Our selection of large bore tapered barrel liners ensures fast milk out times, low slippage levels, and maximum comfort.

Durability
All liners are moulded from a specific rubber compound to provide maximum durability within the shell and at the claw piece.

Comfort
The flared shell is designed to work in harmony with the liner range, providing improved teat comfort and stable cluster positioning during milking.

The flared design secures the liner in place, preventing the hood from slipping off the shell. This feature also eliminates the risk of liners twisting within the shells, which helps avoid downtime for the operator due to the need for readjusting liner positions.





Greater vacuum stability with reduced risk of slip



Even pressure for less teat-end stress and hyperkeratosis



Faster, unrestricted milk flow for high-yield cows



Streamlined design for reliable precision shutoff

Tru - Flo Light Cluster

Flared Shell
The flared shell mimics the front of a calf's mouth creating a more comfortable experience for the cow

Smooth continous surface for ease of cleaning

Manufactured from **Nylon** for Light Weight and durability

Shell Options

Manufactured from **stainless steel** for long life



1.9 kgs



2.0 kgs



Forward and rear facing short pulse tubes for a more compact cluster on the cow

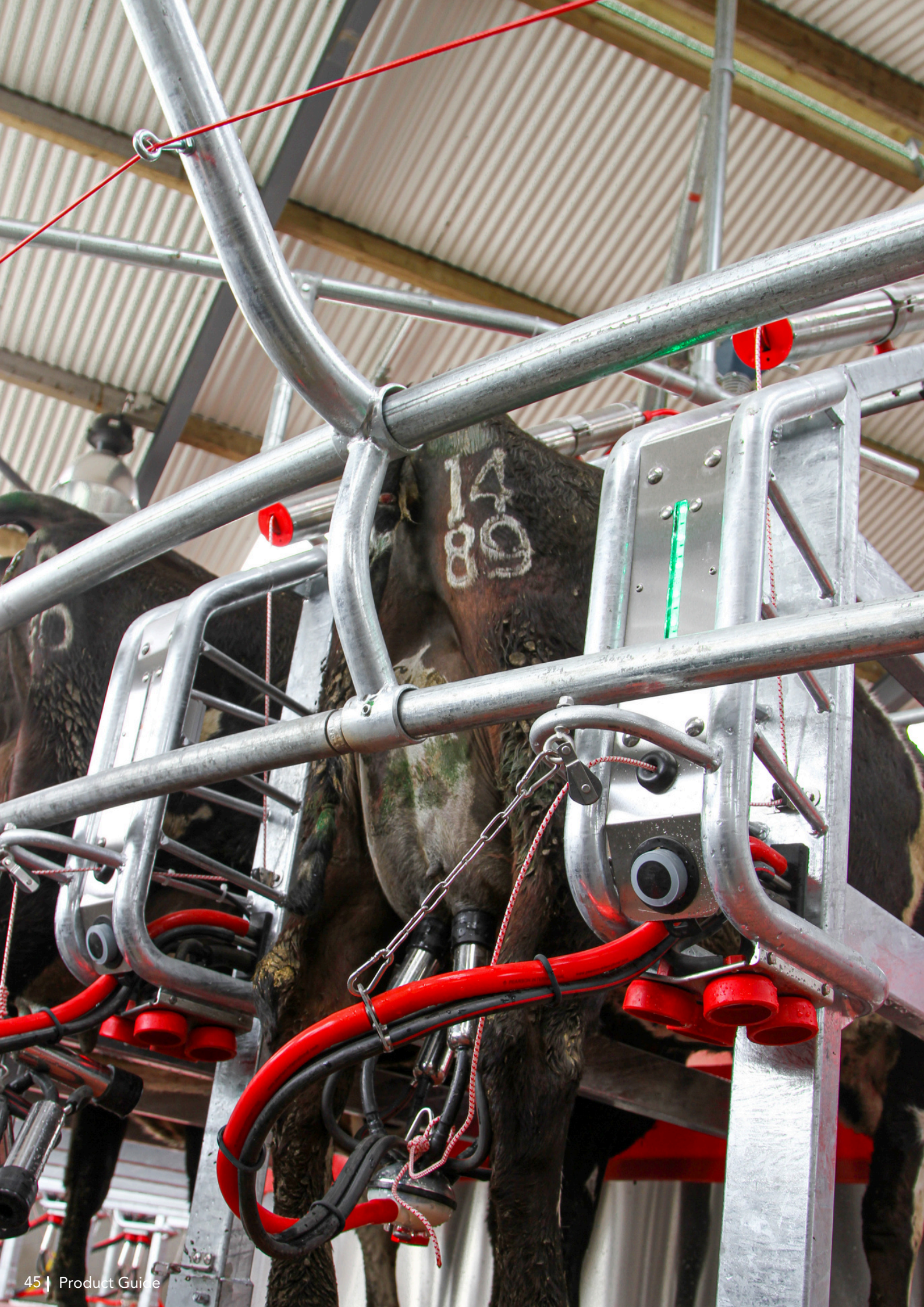
Shut off point in the liner creates minimum vacuum leak at cluster attachment allowing faster and more comfortable cluster attachment

60 degree milk entry's allows **faster direct flow** of milk to the claw from the liner

A **320 ml capacity** claw piece enables this cluster to handle the fastest milking cows

Red Buffer to help prevent breakages

Large bore outlet The large bore 19mm outlet ensures fast milk flow & vacuum stability to and from the claw piece





SmartPuls System

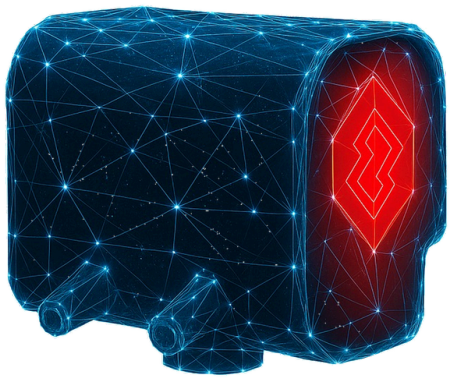
Increase Milking Speed

With one pulsator per cow, airflow to the teat cup chamber is maximised, improving liner response during the A phase and enhancing the B phase of the pulsation cycle for faster milking.

Stimulation pulsation increases the pulsation rate at the start of milking, gently massaging the teat and encouraging faster milk let-down.

Reduced Maintenance

The pulsator operates only while the milking unit is attached. When the unit is removed, the pulsator stops, reducing wear on components such as coils and diaphragms and helping maintain liner elasticity until the next change.



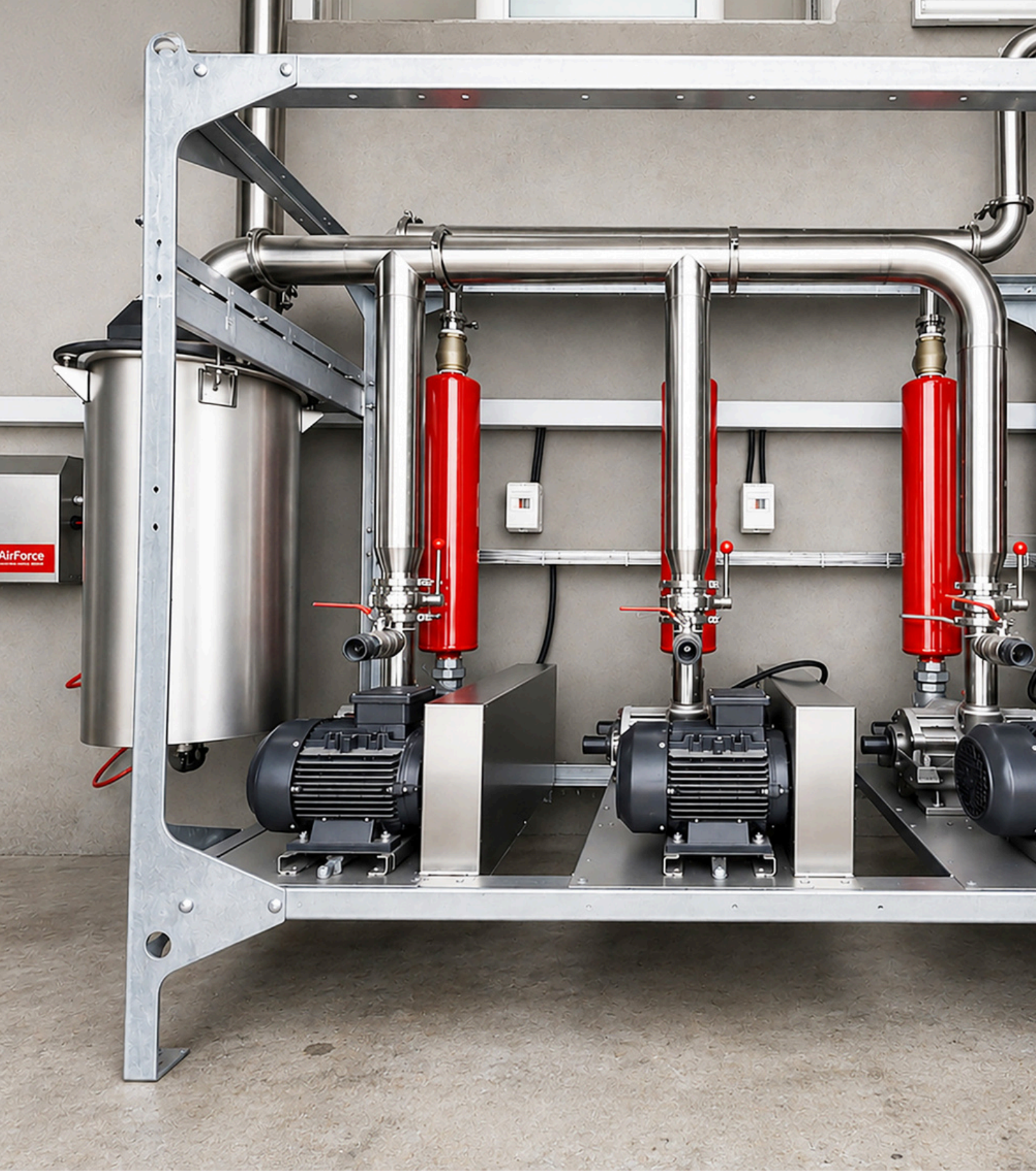
TITAN Smart Pulsation

The Titan Pulsator is a major advancement in modern dairy farming. More than a conventional pulsator, it features intelligent self-diagnostics including vacuum leak detection, and service interval tracking to identify potential issues before they become problems.

By reducing downtime and protecting herd health, Titan delivers four key benefits: improved animal welfare, lower operating costs, clear visual diagnostics, and enhanced cow comfort.

Combining advanced technology with reliability and farmer-focused design, the Titan Pulsator sets a new standard in milking efficiency and profitability.

Reducing downtime and
protecting herd health



Vacuum Systems

All vacuum pump systems can be equipped with the highly reliable VDrive system. This technology can reduce electricity consumption by up to two-thirds during the milking process.



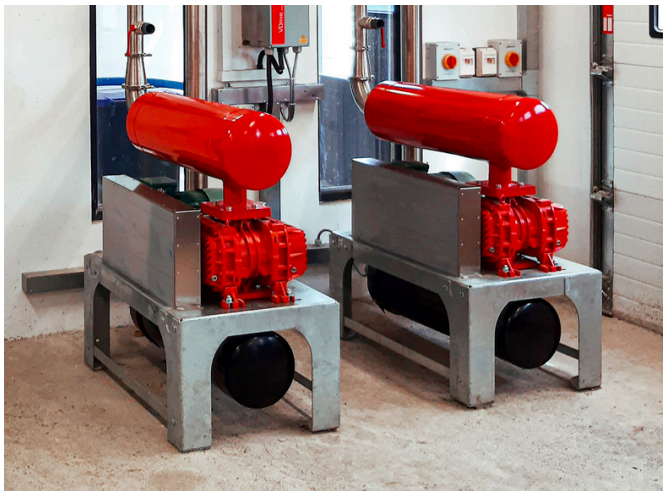


Vacuum Pump Systems

Vacuum pumps are robustly constructed and manufactured to strict quality standards for reliable and efficient operation.

Available models includes 900 litres up to 3,300 litres in rotary vane vacuum pumps and 2000 litres to 5,000 litres in Oil-Free Lobe pumps, all compatible with the VDrive energy control system.

The Vacuum pump systems can be supplied as a Pod unit for the factory built option or stand alone individual units.



VDrive - Variable Speed

The VDrive system is a frequency-controlled vacuum pump that delivers only the vacuum required for operation. Lower vacuum demand during milking allows the system to automatically reduce motor speed and energy consumption.

When combined with smart pulsation control on ACR and electronic metre systems, power usage can be reduced by up to 75%, providing significant energy and cost savings.

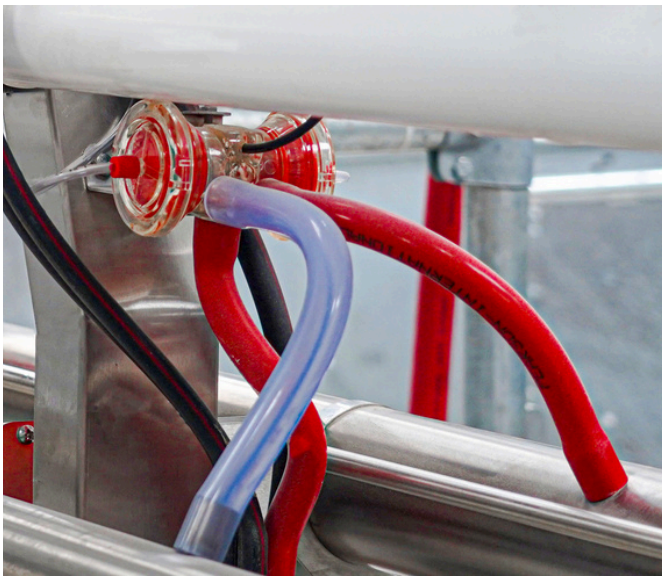
The system is available for single-phase and three-phase power supplies.

Safety

All VDrive systems are supplied with industrial-grade H1 filters, pre-installed to prevent harmonic voltage from the drive units.

Up to 75% Energy Savings





Milk Separation Line

The Milk Separation system allows milk from individual cows to be separated and directed into a dedicated milk line. This removes the need to group cows separately before entering the parlour, helping save time and reduce labour during milking.

Key Benefits:

- Simple and user-friendly operation
- Durable and reliable for long-term use
- Compatible with all types of milking parlours
- Available in a range of pipe sizes
- Reduces workload in the milking pit
- Shortens overall milking time
- Allows milk diversion to the calf feeding system
- Available in both manual and electronic versions

Milk Separation Control

Electronic - Automatic

Milk separation control is built into the electronic control units. When activated, indicator lights or screen messages confirm that milk separation mode is engaged.

After milking, the cluster remover detaches the unit and the system remains in standby until the operator confirms completion. The milk flow then returns automatically to the main milk line.

During washing, the separation line is automatically cleaned using an alternating wash programme that reduces water consumption.



Effortless Milk Separation at the Touch of a Button.

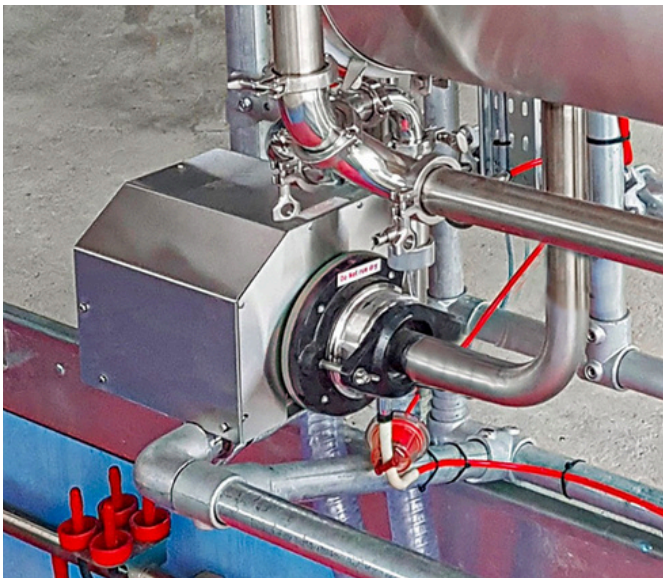

PEARSON
MILKING TECHNOLOGY

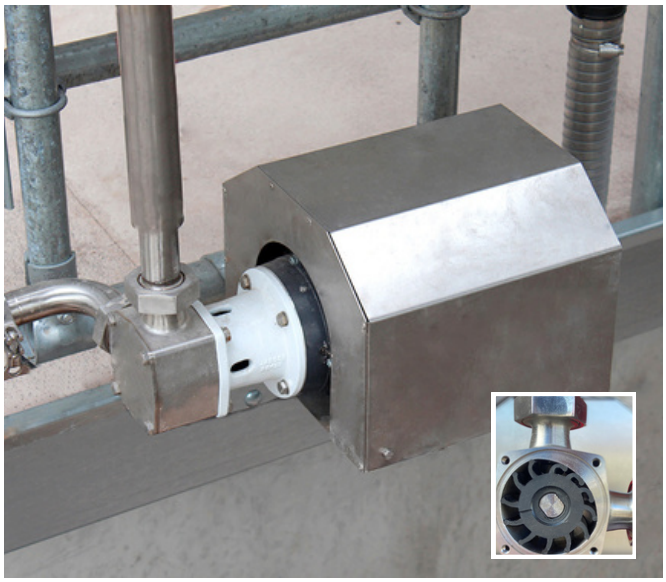
Milk Receiving, Delivery & Cooling

Providing the range to suit all dairies

Pearson milk receiving and delivery systems are designed to move milk efficiently and hygienically from the parlour to the bulk tank. Carefully designed milk lines, receivers and filtration systems help maintain smooth milk flow while providing effective filtration and easy access for cleaning and maintenance. The result is a reliable system designed around milk quality, hygiene and efficient parlour operation.

The milk cooling systems provides efficient and rapid cooling of milk to help protect quality from the moment it leaves the cow. Designed to work as part of the complete milking system, the cooling solution can be matched to the farm's herd size, milk volume and parlour requirements.





Hi-Flo System

Performance
The Hi-Flo System transports milk efficiently through the delivery line using centrifugal force. A stainless steel impeller within the pump head rotates to move milk smoothly along the pipeline and into the milk tank.

Durability
The Hi-Flo milk pump features a stainless steel pump head and impeller, ensuring excellent durability while maintaining high hygiene standards.

Milk Cooling
When combined with the MDrive variable speed system, the pump speed can be reduced to slow milk flow through the plate cooler. This allows milk to reach the bulk tank at a lower temperature while also reducing energy consumption from the tank compressors.

Posi-Flo System

Performance
The Posi-Flo System is designed for efficient milk transfer while cooling and removing froth from the receiving vessel in the milking pit. Using positive displacement technology, a flexible impeller inside the pump head rotates to move milk smoothly through the delivery line to the milk tank.

Milk Quality
The Posi-Flo pump gently draws milk from the receiving vessel and pushes it through the delivery line to the milk tank. This process helps minimise the breakdown of milk solids, supporting improved milk quality and helping maintain higher protein and fat levels.

Milk Cooling
When combined with the MDrive variable speed system, the pump speed can be reduced to slow milk flow through the plate cooler. This improves cooling performance at the bulk tank while also reducing energy consumption from the tank compressors.





MDrive Variable Speed

Milk Cooling
The MDrive system controls pump speed to reduce milk flow through the plate heat exchanger during milking. Integrated cooling software uses specialised speed algorithms to determine the optimal pump speed, ensuring maximum efficiency from both the plate cooler and milk pump.

Options
MDrive systems can be installed on milk pumps of any size and are compatible with both single-phase and three-phase power supplies.

Washing
During the washing cycle, the MDrive system automatically increases pump speed to efficiently return wash water to the wash vessels, improving overall washing performance.

Safety
All MDrive systems are supplied with industrial-grade H1 filters, pre-installed to prevent harmonic voltage from the drive units.

Milk Receiving Vessels

Strength
Stainless steel receiving vessels and moisture tanks provide the capacity required for efficient milking in parlours of all sizes.

Udder Health
A large-capacity moisture tank positioned close to the milking system creates a strong vacuum buffer. This minimises vacuum fluctuations, maintaining a stable vacuum to support good udder health.

Hygiene
Both tanks feature transparent end caps for easy inspection during cleaning. The barrel-shaped design allows the Daytona Air Blast Wash system to create a rolling wash action, ensuring thorough cleaning of the receiving equipment.

Reliable Level Monitoring. Built for Dairy
Pearson systems utilise pharmaceutical-grade level sensors for accurate vessel monitoring. With no moving parts, they provide exceptional reliability, precise measurement, clear LED indication, and long service life with minimal maintenance. Ideal for milk, CIP solutions, and other dairy process fluids.





Milk Filtration & Cooling

Milk Filtration

Stainless steel inline sock filters play an important role in filtering milk before it reaches the plate cooler or bulk tank. The filter consists of a double-stitched filter sock fitted over a stainless steel coil spring and housed within a stainless steel casing.

Plate Cooling

Plate cooling efficiently reduces milk temperature before it enters the bulk tank. Using an average ratio of 2.5 parts water to 1 part milk, milk temperature can be reduced to within 2°C of the incoming water temperature.

- Single Stage Cooling – Well water or mains water passes through the cooling plates to reduce milk temperature.
- Double Stage Cooling – Well or mains water cools the first stage, while chilled ice water cools the second stage. When combined with the MDrive variable speed system, milk temperature can reach 4°C before entering the bulk tank.

Water Saving

A water solenoid fitted to the inlet side of the plate cooler automatically shuts off the water shortly after the milk pump stops. This reduces water consumption and prevents unnecessary water from being sent to holding tanks or wasted.

AirForce Injector System

Milk Quality

The AirForce Injector System uses compressed air to push milk from the milk pump to the milk tank. This process minimises the amount of milk remaining in the delivery line after milking has finished.
The compressed air is filtered through a triple filtration system, ensuring that only food-grade air comes into contact with the milk and helping maintain the highest milk quality standards.

Milk Loss & Cost

Milk left in the delivery line after milking can quickly add up. The volume of milk remaining in a pipeline can be estimated using the following calculation:
3.14 × radius² × pipe length = litres of milk remaining in the pipeline

Example

40mm milk line rising 4m from the milk pump:

3.14 × (20mm × 20mm) × 4 m = 3.14 × 400 × 4 = 5.24 litres of milk remaining in the pipeline at €0.35 per litre: 5.24 L × €0.35 = €2.10 per milking
Milking twice per day = €4.20 per day

€1,533 per year lost in milk remaining in the pipeline.



Fast Efficient Milk Cooling
= Milk Quality


PEARSON
Power Supply

Parlour Automation

Control. Efficiency. Intelligence.

Pearson automation is designed to make milking easier, faster and more consistent by reducing the amount of manual work required in the parlour. Automated cluster removal, cow identification and parlour controls can help streamline the milking routine while giving the operator greater control and visibility while in the milking parlour.

By combining automation, electronics and herd management technology, Pearson help improve efficiency while reducing repetitive tasks and labour requirements. Automation can also provide valuable information on individual cows and milking performance, helping make better-informed decisions and maintain a consistent, efficient milking routine.



Global Control Unit

The Global Control Unit is designed to provide essential functions for comfortable and efficient milking for both the operator and the cow. The system incorporates a cluster remover with a simple push-button interface and LED indicator light, ensuring clear and easy operation.

Key Features:

- Automatic cluster remover on good milk line
- Automatic cluster remover on reject milk line
- Auto-lift start function
- SmartPuls pulsation control
- Stimulation pulsation for improved milk let-down
- SmartComm communication control
- Milk diversion control
- Suitable for cows, goats, sheep, and buffalo



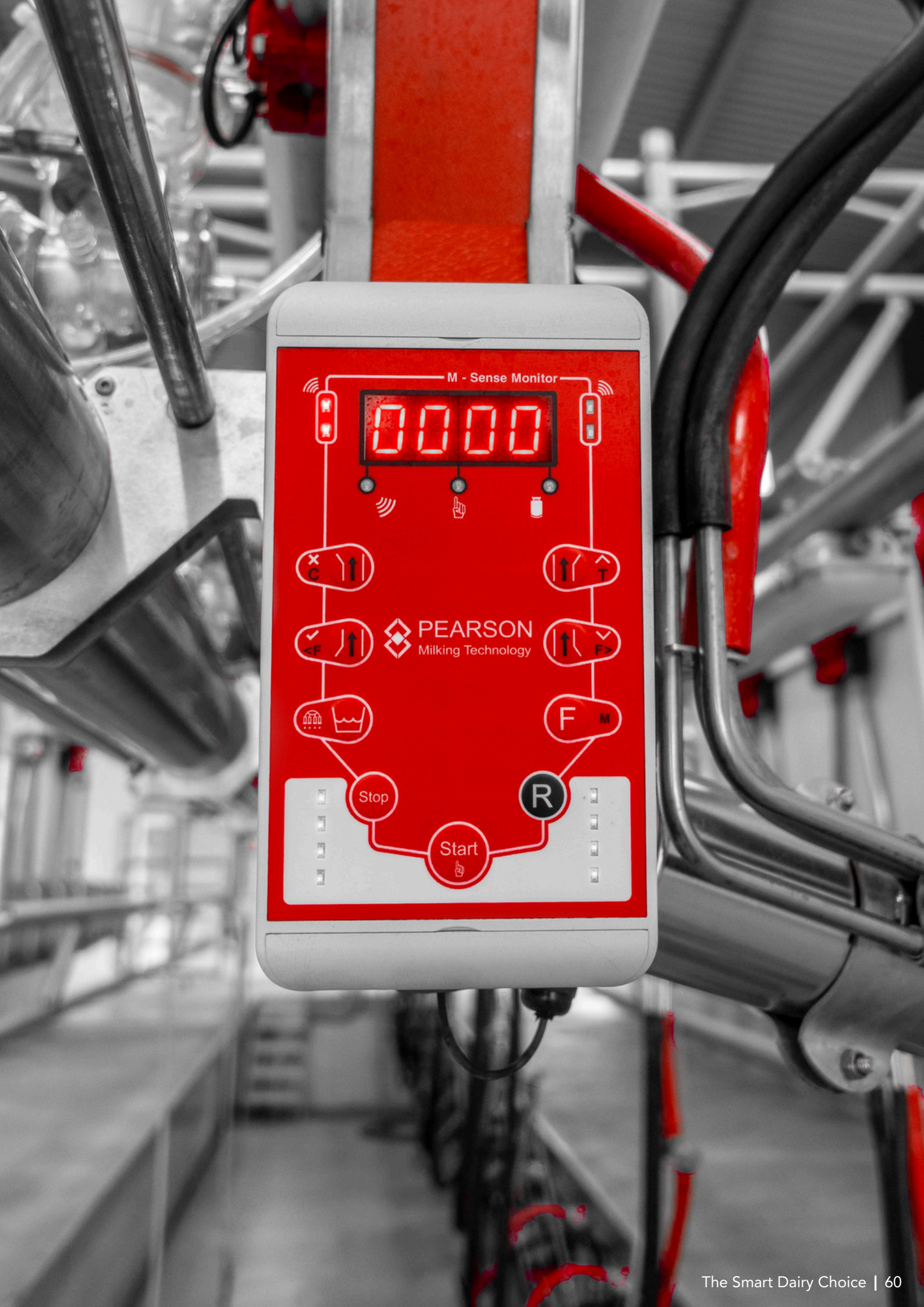
P50 Control Unit

The P50 Control Unit is an efficient and reliable control companion in the milking pit. It provides operators with clear control over feeding, gates, and milking functions, while displaying important alarms and milking information to help maximise pit efficiency.

Key Features:

- Automatic cluster remover on good milk line
- Automatic cluster remover on reject milk line
- Auto-lift start function
- SmartPuls pulsation control
- Stimulation pulsation for improved milk let-down
- Milk diversion control
- Visual alarm display
- Milking time display
- Upgradeable to milk yield display (Apollo Meter)
- Feed unit control
- Gate control
- SmartComm communication control
- Cluster flush control
- Suitable for cows, goats, sheep, and buffalo

Complete Parlour Control at Your Fingertips


M - Sense Monitor
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PEARSON
Milking Technology
F
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Stop
R
Start



Total Control In The Parlour - i500

The i500 Control Unit incorporates advanced technology to deliver complete control of milking hardware in the pit. It provides real-time information and alarms to the operator, enabling fast decision-making and efficient management of the milking process.





i500 Control Unit

The i500 Control Unit delivers advanced control and real-time information directly in the milking parlour. Designed to give the operator complete oversight of the milking process, the i500 combines intelligent control with a clear and easy-to-use LCD display.

Key Features:

- Automatic cluster remover on good milk line
- Automatic cluster remover on reject milk line
- Auto start function
- SmartPuls pulsation control
- Stimulation pulsation for improved milk let-down
- Milk diversion control
- Conductivity indicator for udder health monitoring
- Visual alarm display
- Milking time display
- Gate control
- Automatic cow identification
- Heat detection display
- Auto / manual feed control
- Calendar alarm display
- SmartComm communication control
- Milk yield display (Apollo Meter & Pulsa Meter)
- Suitable for cows, goats, sheep, and buffalo
- Large LCD display for easy operation

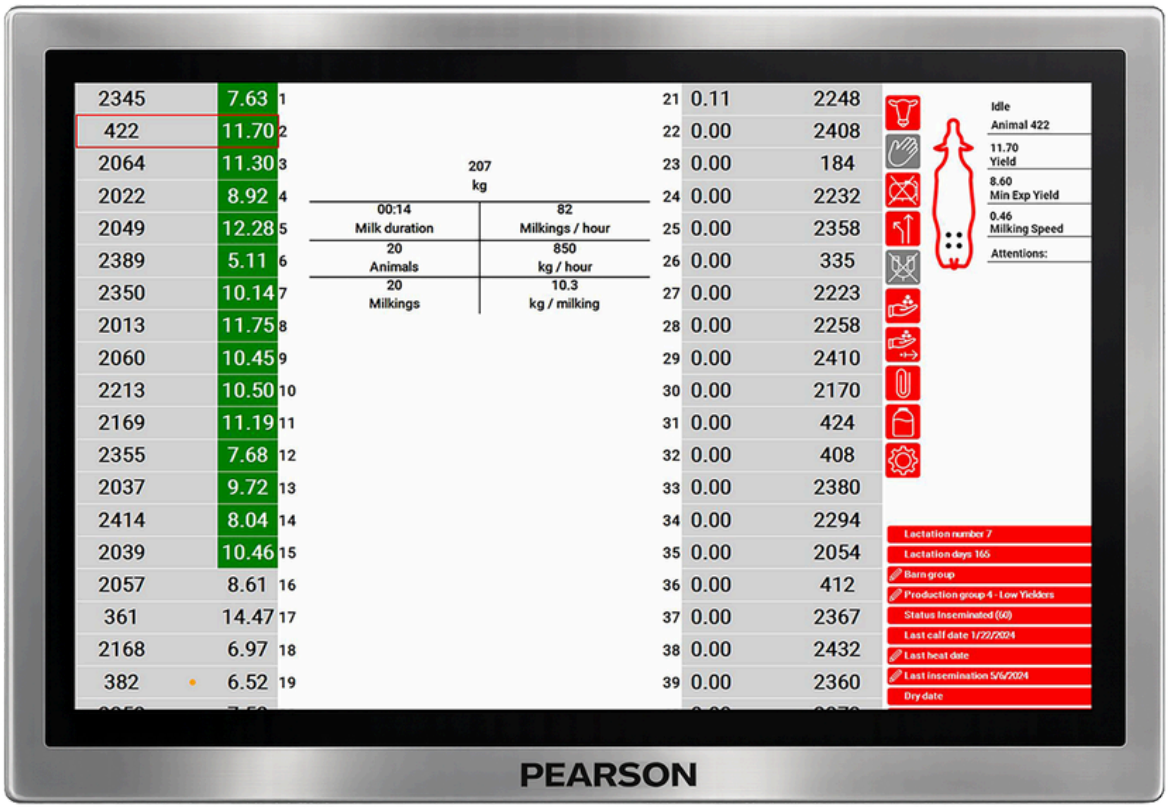
Voice Alarm System

The Voice Alarm System provides audible notifications to the operator as cows enter the parlour, alerting them to important animal information during milking.

Through the Vision System, operators can select a list of alerts they wish to hear in the parlour. Custom alerts can also be created to suit individual herd management requirements.

A range of voices and languages can be selected to match the preference of the manager or operator.

The Voice Alarm System is fully integrated and controlled through the Vision System.



Global MPM Touch Screen Parlour Monitor

Part of the industrial dairy systems range, the Global Parlour Monitor provides a modern and intuitive control interface for the milking parlour. Fully integrated with the Vision System, it offers a clear visual display of animal information and real-time control for the operator.

All herd data and milking information are displayed on the Global MPM Parlour Monitor, giving the operator immediate access to key information during milking.

Suitable for both rotary and herringbone parlours, the system displays milk yield, alarms, and other important herd data, helping improve efficiency and decision-making in the milking pit.

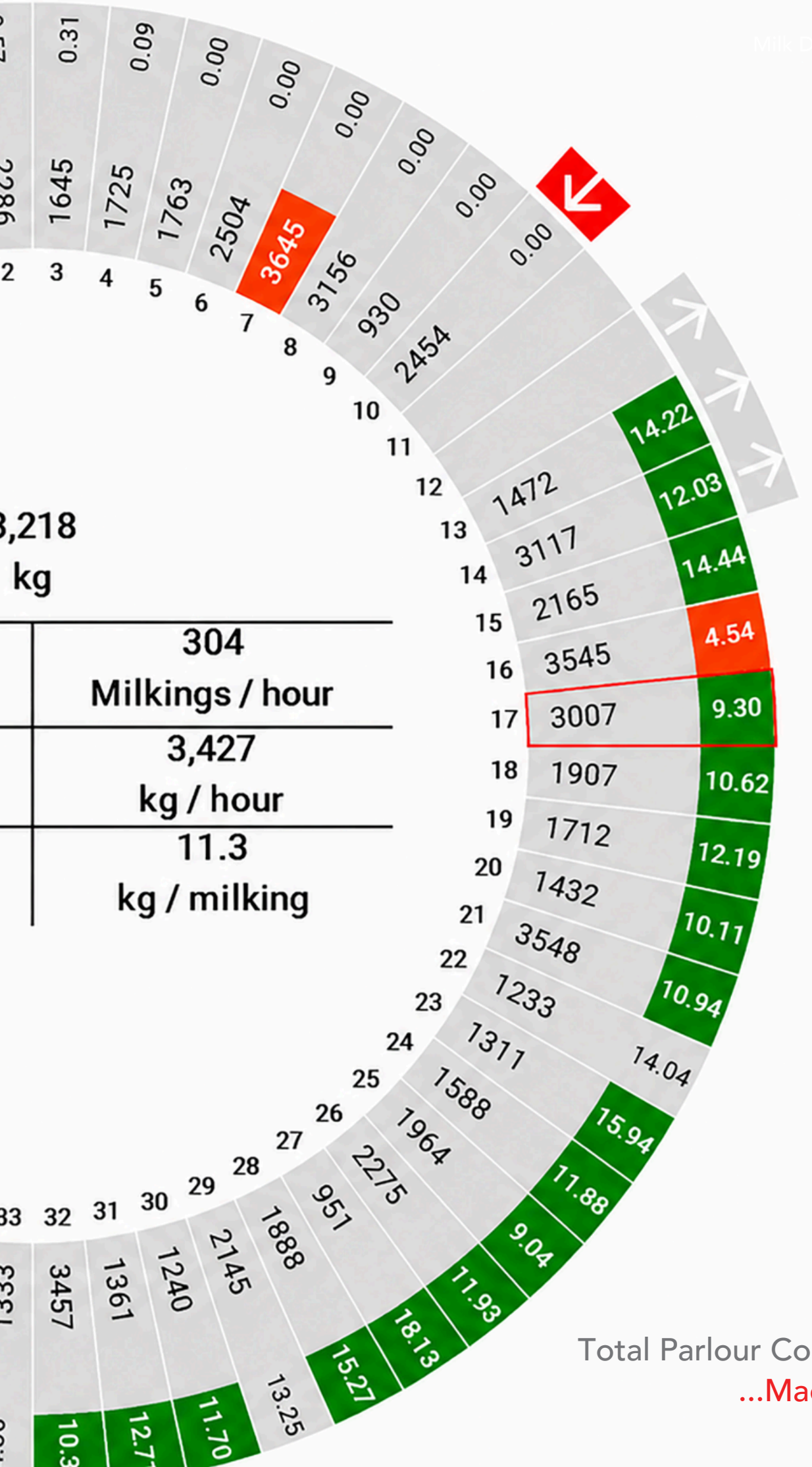
Some Features of the Global MPM Monitor:

Hardware

- Animal identification
- 5-way drafting control
- Retention bar control
- Voice alarm integration
- 4-camera monitoring display
- Milk separation control
- Auto / manual milking control

Software

- Animal data display
- Real-time milk yield
- Milk separation display
- Cow calendar alerts
- Colour-coded alarms
- Heat detection alerts





Total Parlour Control...

...Made Simple



Enjoy a great Start to every milking

Auto Lift Start

The milking unit is activated simply by lifting the cluster. This automatically starts the vacuum and pulsation system, preparing the unit for milking. The feature improves workflow in the parlour and helps the operator work faster and more efficiently.

Auto Swing Start

The unit is activated automatically when the swing-over arm is moved to the opposite side of the pit for the next cow. This movement starts the vacuum and prepares the pulsation system for milking, improving workflow speed and efficiency for the operator.

Forward Motion Start

Herringbone - Forward Motion control has been developed to give a clearer view of the cow's udder and speed workflow through a Double Sided parlour. Once the cow has finished milking, the cluster is removed from the cow and is lowered close to the ground. This allows the operator to post-spray and view the cows clearly. The clusters are still in the down position while the cows have exited and a new row is ready to enter the parlour. This is to allow pre-work on the new cows with no clusters in the way of the operator. Once a cluster is started, the cluster in front of the operator will lift ready to start. This will continue until all clusters are applied to this row.

Rotary - Forward Motion control on the rotary parlour reduces operator movement during the milking process. When the cluster reaches the operator's attachment position, it automatically releases and activates. This removes the need for the operator to press a button or manually lift the cluster, improving workflow efficiency.

Less Operator Movement.
Faster Milking.



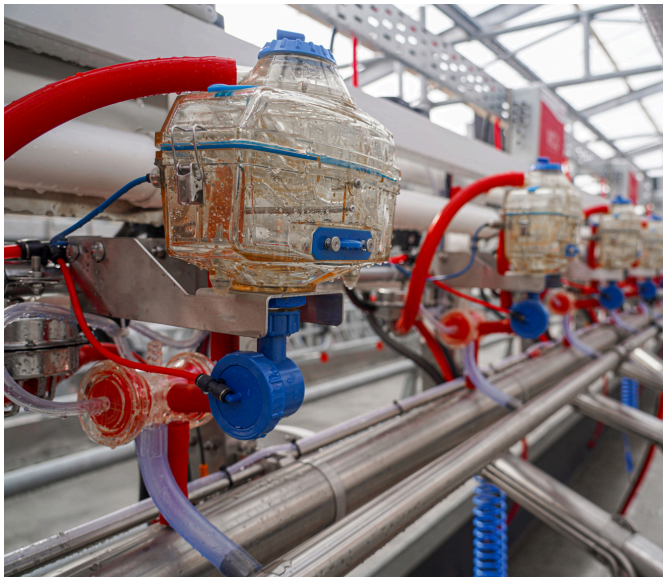


Apollo Milk Meter

The Apollo Milk Meter is a valuable tool for effective herd management in the milking parlour, providing accurate milk yield data to support better decision-making.

Features:

- Precise milk measurement with excellent performance on high-yielding, free-flowing cows
- Real-time milk yield display, helping guide decisions on feeding levels, health monitoring, and drying-off dates
- Manufactured from high-grade materials for durability and long service life
- Optimised washing performance to ensure hygienic operation
- Meter flask design allows high water flow to create turbulence, washing all internal surfaces effectively
- Milk sampling device available
- Compatible with P50 and i500 control units



Pulsa Milk Meter

Approved by the International Committee for Animal Recording (ICAR), the PulsaMeter accurately measures milk yield and milk flow, providing valuable data to support improved herd management.

Features:

- Precise milk weight measurement without affecting milk flow
- Milk sampling device optional
- Integrated with the i500 control unit for real-time parlour data
- Compact, durable construction
- Low maintenance and minimal calibration required

"If you can't measure it you can't improve it "



Vision Herd Management

Vision Herd Management delivers advanced data storage and analysis tools, enabling dairy farmers to make informed decisions and optimise farm performance.

Working closely with dairy farmers has shown that every farm system is different. The Vision Herd Management system is fully customisable, allowing farmers to choose the components they manage and the data they want to monitor. The system also provides flexibility to upgrade milking equipment without changing the farm management software.

Allowing our Vision...

... Manage Your Vision

- Animal History Data
- Health Monitoring
- Easy To Read Graphs and Reports
- Accurate Feed Distribution
- Animal Identification



Parlour & Milking Analyser

The Parlour Performance Analyser is a powerful tool for monitoring the key performance indicators of both cows and operators in the milking parlour. It provides valuable insights into milking performance, helping farmers improve efficiency and optimise milking routines.

Features:

Bimodal Milking Analysis

Monitor individual cow milking characteristics to help make informed decisions on teat preparation, cluster attachment timing, and grouping strategies.

Milking Session Over View:

- Total milking time
- Session start time
- Session end time
- Number of animals milked
- Manual ID entries
- Animals with ID not milked
- Number of reattachments
- Number of manual milkings
- Total session yield (kg)
- Production per milking (kg)
- Average milk let-down time



Milk Conductivity System

Monitoring milk conductivity is an important part of assessing cow health and milk quality. The Milk Conductivity System measures the electrical conductivity of milk from each individual cow, helping to detect changes that may indicate potential health issues such as mastitis.

All conductivity data is recorded within the herd management software, allowing farmers to monitor milk quality trends across the herd. If a reading exceeds the set threshold for the cow's stage of lactation, the system alerts the operator through the parlour control unit and herd management software.

If elevated conductivity persists, the cow can automatically be drafted after milking for further inspection.

Features:

- Durable construction
- Stainless steel sensing probes
- Straight-through milk flow design

The future for professional farm management



Heat Detection & Animal Health

Prevention is better than cure.

The SmartCollar heat detection systems help farmers identify cows showing signs of heat more accurately and at the right time. By continuously monitoring animal activity and behaviour, the system can alert to potential heats and health alerts, helping improve breeding management, reduce missed heats and support better reproductive performance.

Effective pre-milking and post-milking routines, combined with the right equipment, help reduce bacteria and cross-contamination while lowering workload and costs.



Quatro Pod - Rotary

The Quatro Pod Leg Divider has a 4 angle jet spray system incorporated. This system allows teat spray to be applied once the cluster has been removed from the cow. A pre and post spray system may be used with the Quatro Pod.

Material

All Pearson Leg Divider units are constructed from a special mix of plastics to ensure a durable and long life product. The unit is fixed to the deck with stainless steel fixing screws.



ATS Teat Sprayer - Rotary

Operation

The Automatic Teat Sprayer is an essential addition to any rotary platform. Installed at either the entrance or exit of the rotary, the unit automatically applies pre-spray or post-spray to the cows.

An integrated intelligent control system detects when a cow is present in the bail and determines whether she has completed milking (when retention bars are installed). The system then activates the sprayer at the optimal moment while the cow is on the platform.

Construction

Manufactured from stainless steel, the unit is designed to withstand the demanding conditions at the rotary exit. The flexible nylon nozzle assembly provides protection if contact is made with a cow's leg. All materials are durable, corrosion-resistant, and designed for easy cleaning.





AirStream Cluster Sanitiser

The transmission of mastitis can happen due to the presence of high levels of Staph Aureus bacteria lingering in the liner after milking an infected cow. If not cleaned thoroughly, these bacteria can be transferred to other cows during the milking process, a situation referred to as cross-contamination.

Airstream performs a back-flush of the cluster after each individual cow.

The cluster is thoroughly cleaned using a peracetic acid flush, followed by an injection of compressed air to ensure effective washing and drying. The AirStream Cluster Sanitiser System can be easily installed in any milking parlour without requiring modifications to existing equipment.

Reduce the spread of infection.

After milking an infected cow, bacteria remaining in the cluster can spread infection to 6–8 other cows. To prevent cross-contamination, three critical areas of the cluster must be cleaned before the unit is applied to the next cow:

- Liner Head
- Claw Piece
- Long Milk Tube

"A clean cluster for every cow — reducing bacterial numbers on liners by up to 93%." — Teagasc



Heat Detection with Health Monitoring

Know exactly when to take action...

Smart Collar



1-to-1 attention, no matter how many animals you have.

Heat Detection

Every sign of heat is automatically tracked — including increased activity, sniffing, chin resting and mounting behaviour. A clear list displays cows in heat with their optimal insemination moment, plus insights to identify irregular, non-cycling and non-pregnant cows.

Health Monitoring

Each cow's behaviour is continuously compared against optimal benchmarks, her own history, and her group — flagging abnormalities early. Reliable daily alerts mean health issues are addressed before they become costly problems, with dedicated monitoring for transition cows and post-treatment recovery.

Cow Locating

The real-time position of individual or multiple animals is displayed on your barn map, accessible from any PC, tablet or smartphone. Fully integrated with Heat Detection, Health Monitoring and Herd Performance Trends, it saves valuable time when fetching cows for insemination, treatment or checks.

Herd Performance

Trends Group behaviour is continuously monitored, with automatic alerts when abnormalities are detected — allowing you to respond quickly. Strategic reports provide clear visibility of eating patterns, activity averages, cycling rates and Rumination, helping you measure the impact of changes to feeding, housing and milking procedures.

Key Benefits

- Accurate heat detection, 24/7
- Continuous monitoring of every animal
- Early health alerts — up to 2 days sooner
- Indoor & outdoor antenna options
- Instant access to herd data on phone, tablet, or PC
- Improved fertility, health, and farm efficiency
- Suitable for dairy and beef systems
- Fast return on investment



Cleaning Systems

Clean. Smart. Efficient.

Correct cleaning of the milking parlour is essential for maintaining high standards of hygiene, milk quality and equipment performance. Using the right cleaning technology, together with controlled hot or boiling water, helps remove milk residues, fats and bacteria from the milking system. An automated and consistent cleaning process also reduces the risk of human error and ensures the parlour is properly cleaned after every milking.



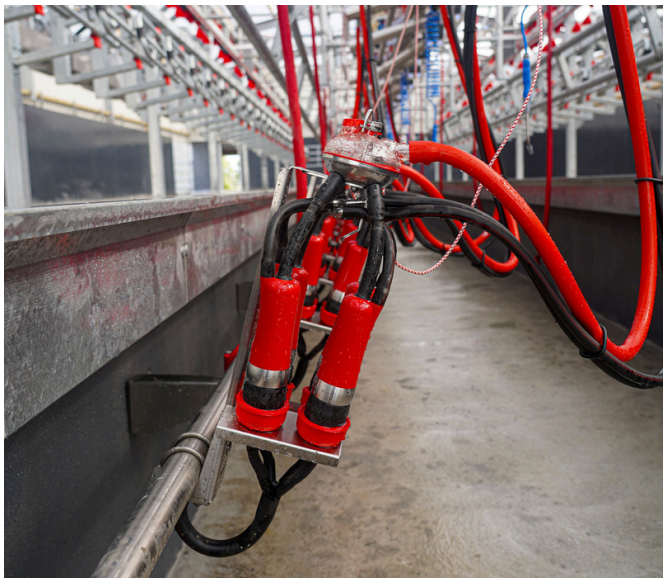
Swing In Wash Line

The low Line Jetter Wash System is mounted on the wash line for efficient cluster cleaning. The candlestick design allows easy positioning while reducing operator movement. The wash line assembly can pivot forward or backwards to place the Jetter assembly under the pit kerb and away from the operator while milking.

The jetter cup ensures full liner coverage during washing.

Features:

- Polyurethane candlesticks
- Complete cleaning of the liner head
- Stainless steel mounting plate
- Compatible with automatic cluster removal



Flip Up Wash Line

The low Line Jetter Wash System is mounted on the wash line for efficient cluster cleaning. The jetter assembly pivots over and places it in an upside down state underneath the pit kerbing and away from the operator while milking.

The jetter cup ensures full liner coverage during washing.

Features:

- Nylon pivot brackets
- Complete cleaning of the liner head
- Stainless steel mounting plate
- Compatible with automatic cluster removal
- stainless steel cluster hook

With the unique jetter cup design,
the face of the liner is thoroughly cleaned.



Daytona Air Blast Wash

Efficiently cleaning large milk lines while minimising water usage is a key challenge in modern milking systems.

The Daytona Air Blast Wash System achieves this by ensuring full coverage of the internal surface area of large-bore milk lines using a smaller-bore wash line.

A "Bullet" of water is formed within the stainless steel Daytona Air Blast Washer and injected at high speed through the pipeline multiple times per minute. This high-velocity action delivers thorough and consistent cleaning across the full internal diameter of the milk line.

The Daytona Air Blast Wash System is manufactured from Stainless steel with an easy to operate control system.



Tru Heat Water Boiler

Designed specifically for dairy farms, these water boiler units feature a stainless steel internal tank, ensuring durability, efficiency, and reliable hot water supply.

The system fully empties hot water before refilling with cold, ensuring the milking plant always operates with water at maximum temperature for effective cleaning.

Key Features:

- All stainless steel water containers
- Adjustable water delivery volumes
- No hot and cold water mixing during draw-off
- Optional stainless steel exterior finish
- Available in a range of sizes
- Specifically designed for milking machine washing
- Heats water up to 100°C

Available Sizes:

- 230 Litres – 1 × 3 kW Element
- 350 Litres – 1 × 4 kW Element
- 500 Litres – 2 × 3 kW Elements
- 1000 Litres – 3 × 3 kW Elements



Ocean Automatic Wash System

The Ocean Automatic Wash System is one of the most advanced milking machine washing units available, designed to deliver reliable, efficient and fully automated cleaning performance.

- Wide range of programmable wash cycles
- Auto and Manual wash selection
- User friendly operation
- Vacuum pump control
- Milk pump control
- Daytona Air Blast control
- AirForce Air injector control
- Suck up valve control
- Up to 3 Chemical dosing units
- Tank safety switches
- Rotary tank valve control
- Temperature monitoring sensors

The Benefits of the Ocean Automatic Wash System

A sensor on the milk delivery line ensures the bulk tank is correctly connected before washing begins

Seven wash programmes available, including three fully customisable options to suit specific requirements

Continuous temperature monitoring with automatic alarms if water temperature drops below the required level

Innovative suction valve reduces wash cycle time and overall machine operating time

User-friendly interface with clear visual graphics for easy operation

Intelligent vacuum control automatically adjusts the number of pumps required during the wash cycle for optimal performance

Valve Unit & Wash Trough

The valve unit and wash trough are constructed from durable stainless steel, ensuring long-term reliability and hygiene in the milking environment. All control and water valves are housed within the valve unit, which features an easy-access lid for maintenance.

* With a detachable control panel, the valve unit, wash trough, and chemical systems can be installed in a separate room, while the control unit remains in the dairy for convenient access and a cleaner working environment.

Chemical dosing units draw directly from drums and deliver precise quantities into the wash trough.





Feeding Systems

Reliable, Accurate & Durable

Pearson feeding systems are designed to deliver accurate, reliable and consistent feed distribution in the milking parlour. Automated feeding can help reduce manual labour while ensuring cows receive the correct quantity of concentrate efficiently and consistently. The system can be integrated with the parlour and herd management technology to make feeding a simple and effective part of the milking routine.

By providing feed according to yield, farmers can make more efficient use of concentrate, support production and help improve overall feed management. Combined with accurate cow identification and herd data, Feeding to Yield provides a more targeted approach to nutrition while reducing unnecessary feed usage.



Tru-Feed - In Parlour

Rugged Construction

Tru-Feed systems feature a durable, blow-moulded feed hopper designed to withstand the demands of daily use in the milking parlour.

High Accuracy

The Tru-Feed system delivers feed portions accurate to within 100g, ensuring precise and consistent feeding.

Vermin & Splash Protection

All Tru-Feed hoppers are fitted with vermin-proof and splash-proof lids, keeping feed dry, clean and in optimal condition.

Tru-Feed In Parlour feeders come in two options:



Tru-Feed
Electric Auger



Tru-Feed Dual
Electric Auger

Tru-Feed - Control

Different dairy farms require different feeding control systems within the milking parlour. Whether operating an all-year-round calving system or a seasonal calving platform, a range of control options is available to suit the specific needs of your herd.

Multi Feed

The Multi Feed Control Unit allows feed amounts to be entered from a single box in the milking pit. Individual and batch feed amounts may be entered into the unit as the cows enter the parlour.

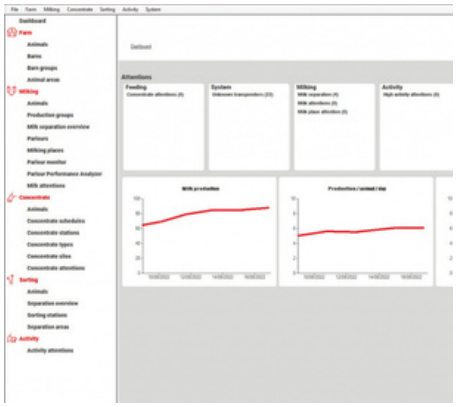


Touch Feed

Touch Feed Control offers both batch and individual cow feeding options within the parlour. The Touch feed control is positioned at the point of cluster attachment giving full feeding control at each milking point.









Automatic Feed To Yield

Concentrate feed is one of the largest costs on a dairy farm, but when fed accurately it can also be one of the biggest drivers of milk production. Our Vision Herd Management Software uses real-time milk yields, animal identification and herd data to automatically tailor concentrate allocations to each individual cow. Feed levels are adjusted according to milk yield, stage of lactation or calving date, ensuring high-producing cows receive the nutrients they need while lower-yielding cows are not overfed.

Using data from Pearson Apollo or Pulsa Milk Meters, Vision automatically calculates feed allowances and sends feeding commands directly to Tru-Feed in-parlour dispensers or out-of-parlour feeding stations. As the central hub of the parlour, Vision also records production, fertility and feeding activity, giving farmers instant access to actionable information from the office, milking pit or smartphone. The result is a smarter feeding strategy that reduces feed costs, improves feed efficiency and helps maximise milk production and herd profitability.

Key Benefits

- **More Milk** – Feed cows according to performance to maximise yield.
- **Lower Feed Bills** – Reduce concentrate use.
- **Healthier Cows** – Support body condition and improved fertility.
- **Less Labour** – Automatic feed adjustments save time and improve accuracy.

Every kilogram of concentrate
must deliver a return.

Herd Management

Maximise Cow Flow, Minimise Labour

Pearson herd management solutions, including crowd gates and cow selection systems, are designed to keep animals moving smoothly and efficiently through the milking parlour. Effective cow flow helps reduce waiting times, minimise stress on the animals and make better use of the parlour's capacity, allowing the milking team to maintain a consistent and efficient routine.

By automating the sorting process, farms can reduce manual handling and labour while ensuring cows are directed to the correct area quickly and safely, improving overall herd management and parlour efficiency.



Commander Crowd Gate

This crowd gate combines a backing gate with an integrated scraping system. It gently guides cows towards the parlour entrance before reversing direction. As it returns to its resting position, the gate scrapes the collecting yard, keeping the area clean and ready for the next milking.

Hydraulic Rail System

A hydraulic system provides slow, controlled movement with the strength required to maintain consistent cow flow.

Construction

Manufactured from heavy-duty galvanised steel, the gate is built for long-term durability. A front hock rail promotes smooth and steady cow movement.

Control

A control unit at the rear of the parlour operates the gate, with timed forward movement and a return-to-home function. Optional switches at the entrance gates allow for automatic activation.



Revolve Crowd Gate

The Revolve Crowd Gate features a fixed guide gate and a rotating drive gate, working together to maintain steady and controlled cow flow towards the parlour.

Drive System

Powered by an industrial pneumatic or electri motor, the system delivers smooth, reliable operation.

Durability

Manufactured from heavy-duty steel and fully hot-dip galvanised for long-lasting performance in demanding environments.

Efficient Group Handling

Designed for efficient handling of cow groups, the idle gate can be repositioned to allow the rotating gate to reverse direction for continuous operation.





Voyager Crowd Gate

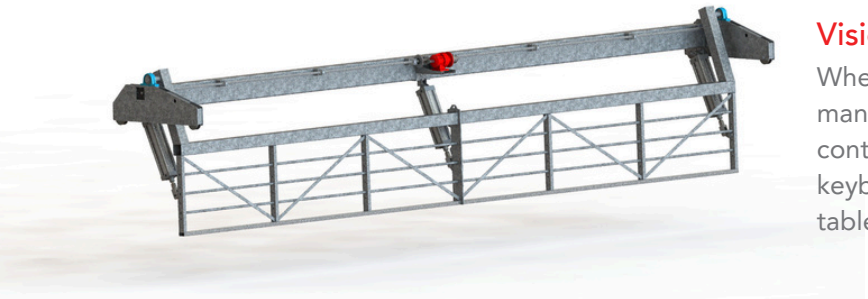
The Voyager Crowd Gate moves cows efficiently towards the parlour in groups. Once a group has passed through, the gate lifts and travels to the rear of the collection yard to bring the next group forward. This makes it ideal for farms where herd size exceeds the capacity of the collection area.

Drive System

Driven by a compressed air or electric motors and pneumatic rams, the system delivers smooth, reliable operation.

Yard Cleaning

An optional scraper unit can be fitted to clean the collection yard as the gate moves, helping maintain a clean and efficient working area.



ProSelect Drafting

Designed for both large herds and single-operator farms, the drafting system enables efficient and accurate herd management. Two-way to five-way drafting options are available, with intuitive controls and advanced models featuring integrated calendar functions.

V – Tag Systems

A simple and cost-effective solution for drafting. Tags are applied in the parlour and identified as cows exit, allowing selected animals to be separated and managed before the tag is removed.

E - Tag Systems

Fully automated drafting directly from the parlour, allowing selection of cows individually or in groups for tasks such as treatment or insemination.

Vision Control

When the Drafting unit is connected with Vision management control up to 10 drafting systems may be controlled. Vision allows calender drafting, parlour keyboard drafting and drafting from your phone or tablet.



Milk Bulk Tanks

Maximum Storage With Minimum Space



Tower Milk Silos

Designed to deliver maximum storage with minimal footprint, Tower Milk Silos are the ideal solution for farms with increasing milk volumes where space is limited. They provide an efficient alternative when extending existing facilities or constructing new buildings is not practical.

Features:

- Optional side-wall cooling evaporator
- Hygienic milk sampling system
- Stainless steel service alcove with integrated:
  Wash & cooling controls
  Bottom access manway
  Bottom-fill non-return valve
  CIP milk line connection
- High-density insulation
- Stainless steel access ladder with safety cage
- Available in Ice Bank or Direct Expansion systems



Classic Milk Tank

Milk is cooled directly using a condensing unit that circulates refrigerant through laser-welded evaporator plates, while gentle agitation ensures efficient and consistent cooling.

Features:

- Elliptical vessel for maximum cooling
- High-density polyurethane insulation
- User-friendly controls
- Automatic wash system
- Adjustable wash programmes
- Stainless steel detergent bowl
- Optional automatic detergent dosing
- Wear-free stainless steel water deflector
- Protected agitator motor
- Quick wash function



Chiller Ice Builder

The Ice Builder produces and stores large quantities of ice, providing a supply of chilled water for instant milk cooling. This rapid cooling helps reduce bacterial growth, while off-peak electricity usage significantly lowers running costs.

Features:

- Slim-line stainless steel design
- High-density insulation for efficient ice storage
- Dual-setting ice controller
- Integrated or remote condensing unit
- Twin chilled water pumps
- Air-assisted agitation on larger models



What system suits me, my cows, and my farm

Type of Dairy Farming

The type of dairy operation you are running can significantly impact the machines and equipment you choose to purchase.

Herd Size

When determining the size of the parlour, it is essential to consider the anticipated future growth of the dairy.

Cow Flow

Having smooth stress free cow flow to the collecting yard , through the parlour and out of the dairy through the selection system.

Milking Time

It's important to limit the time your cows spend in the parlour. Keeping your milking routine in mind, aim to establish a target time for milking your cows efficiently.

Check List

- [x] The Smart Dairy Choice
- [ ] Builder / Electrician / Plumber
- [ ] Site levels are considered
- [ ] Local or national grants
- [ ] Cow flow
- [ ] Finish on parlour walls and concrete
- [ ] Electrical supply, transformer size
- [ ] Waste water volume
- [ ] Compressor / Generator
- [ ] Hot water supply
- [ ] Cow handling layout
- [ ] Meal bin positioning
- [ ] Canteen / Toilet / Shower requirements
- [ ] Energy saving options



Built on Experience.

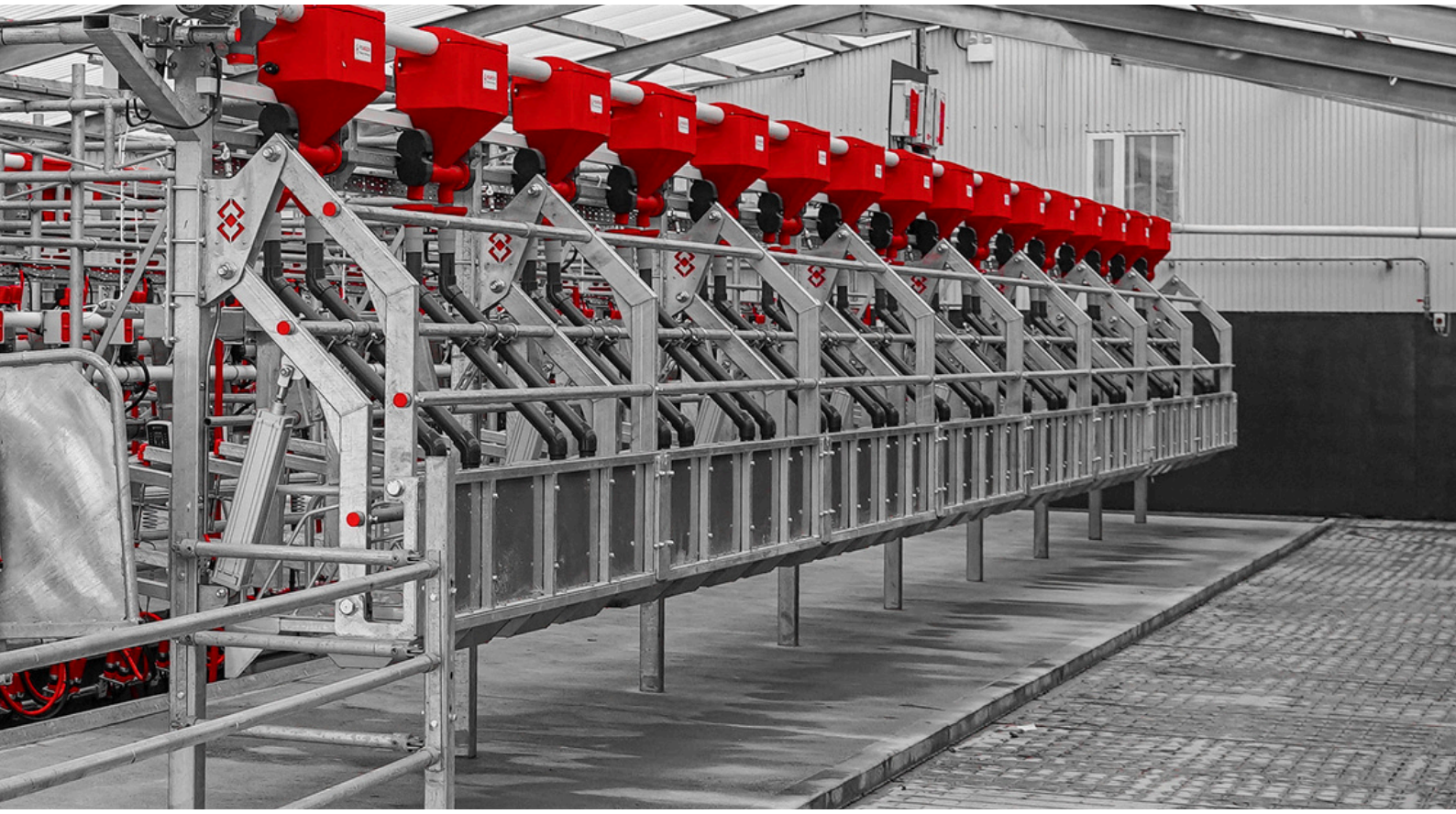
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