

WAIKATO AFIMILK

CABINET COMPOSITE ROTARY SOLUTION



**INCREASE YOUR
MILKING SPEED,
PRODUCTIVITY AND
PERFORMANCE**

DAIRY MANAGEMENT
POWERED BY

afimilk[®]

ELEVATE YOUR MILKING SPEED, PRODUCTIVITY AND PERFORMANCE and grow the value of your dairy

THE ULTIMATE HIGH-VELOCITY ROTARY MILKING SYSTEM WITH UNSTOPPABLE PERFORMANCE

Step into the future of dairy farming innovation through the unparalleled collaboration of Waikato and Afimilk. Designed for the continuous operation of your farm, with unstoppable performance, the Waikato Afimilk Rotary Solution is a state-of-the-art system designed to elevate milking speed, productivity and overall performance.

Unlike other rotaries, the Waikato Afimilk Rotary Solution sets itself apart with its robust structural strength, lightweight design, minimal maintenance and prolonged durability. Meeting the demands of the busiest commercial farmers it ensures 24/7 productive, cost-efficient and profitable operations. Trusted globally, the award-winning Composite Rotary Milking System is a testament to over three decades of expertise, innovation, excellence, and strong partnerships with farmers.

The streamlined process using the unparalleled stability and precision of Waikato hardware, is seamlessly complemented by Afimilk's advanced dairy management systems offering high-precision data on milk quality and cow behaviour. Imagine Waikato as the strong foundation and Afimilk as the heart and soul of your milking parlor, jointly creating a digital facility that optimizes milk flow and provides accurate data. With shared values of stability and value creation, each milking session becomes a profitable step toward a prosperous future.





ADVANTAGES



Designed to never stop turning for 24/7 performance and productivity



Lighter and stronger construction, with a lower cost of ownership



Upgradeable for future automation technologies to increase your performance and productivity



Robust low profile cabinet allows cows to enter and exit the stalls faster and easier



Cluster and tube support arm assists with high capacity, high quality milking



Creates a more enjoyable and efficient working environment



INCREASE MILKING SPEED FOR THE OPERATOR

Increase milking speed for the operator

The Waikato Afimilk Rotary Solution is user-friendly and designed for continuous high-throughput milking. Designed to make milking large numbers of cows easy it features a simple touch-button to start, and a support arm that guides the cluster into the milking position and swings out of the cows way on detachment. Incorporating lightweight clusters and smart milking technologies, the Waikato Afimilk Rotary Solution is ergonomically designed to improve milking speed and performance while providing a quiet, comfortable and enjoyable milking environment.

The stainless steel cabinet has smooth edges for safe cow flow

The fully integrated system works seamlessly together to reduce labour and improve performance

User-friendly system - delivering maximum milking efficiency and reliability

INCREASE MILKING COMFORT AND SPEED FOR COWS

Increase milking comfort for cows

The Waikato Afimilk Rotary Solution has been designed to provide an ergonomically correct milking environment and a faster, stress-free milking environment for any sized cow. The low profile cabinets that house the milking equipment such as the pneumatic detacher, display automation, a multi-function control switch and cluster washer, allow the cows to enter and exit the platform without the obstruction of vertical bail posts. The anti-slip matting covering the composite deck provides a comfortable and quiet environment, and allows the cows to transition on and off the platform quickly.

Fast stopping-power to prevent cows getting caught and injured

A quieter milking environment to reduce animal stress

SmartD-TECT automates pre-milking stimulation and udder health detection to eliminate labour and operator variabilities

Designed for ease of cleaning without stopping the rotary, for maximum hygiene and efficiency

Lighter construction reduces the cost of ownership, and running and service costs

Specially formulated soft and comfortable replaceable rubber mats in every bail to enhance cow comfort and protect their hooves

CONSTRUCTED FOR UNSTOPPABLE PERFORMANCE AND LONGEVITY

The Waikato Afimilk Rotary Solution's high-performance composite technology makes it structurally superior than concrete, chemically resistant, and more capable in any milking application - as well as being extremely quiet, lightweight, durable and easy to clean. Originally developed for Waikato Milking Systems' Centrus Systems, the composite platform technology has been heralded as the most significant evolution in rotary platform design in 50 years.

With correct care and maintenance, the platforms will remain like new for their entire life - with no pitting or cracking with exposure to effluent and harsh chemicals. The composite deck sections are formed using a multilayered lamination process similar to that used in the construction of high-performance aircraft and boats, resulting in a deck that is 75% lighter, and significantly more durable than traditional concrete or steel alternatives.

The dramatic reduction in the weight of the platform means your roller life will be extended, therefore reducing the cost of ownership. The lightweight platform also features impressive stopping power with the ability to be stopped quickly, should an issue arise, or in the event of an emergency - without causing injury to cows.



The platform is designed and built with extreme precision for performance, reliability and durability



The multi-layered laminated composite deck sections are structurally superior and extremely capable in any milking application



The deck is up to 75% lighter and more durable than traditional concrete or steel alternatives, reducing wear and tear



With its single bail modular design, Velocity can be tailored specifically to your requirements and can be built in almost any size you want



Upgradeable for future automation technologies to increase your performance and productivity



DESIGNED TO KEEP YOU MILKING

102



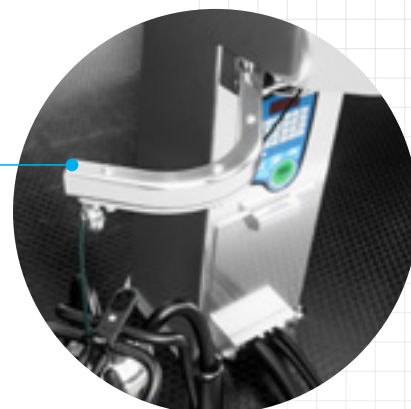
Robust Stainless Steel Cabinet with fully integrated milking equipment

The Cabinet contains the pneumatic detacher, optional automation display, multi-function touch-button and cluster washer.



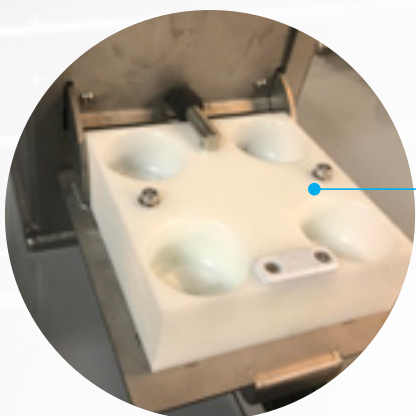
Clever support arm and pneumatic detachers with easy adjustment

The support arm guides the cluster into the correct milking position and swings out of the way on detachment, for the cow to exit the stall area. The retraction cord can be adjusted (lengthened/shortened) from the front of the cabinet with a simple tool. This makes maintenance and fine tuning easy.



Easy washup for the Cabinet, stall and the milking equipment

The smooth outer stainless steel cabinet is easy to clean. The cluster washer folds out for attachment to the teatcups and retracts for milking. A secondary cover reduces water ingress while the CIP is in use.



Platform Structural & Chemical Resistance 2 Year Deck Guarantee

The Waikato Afimilk Rotary Solution's multi-layer fiberglass composite construction makes it structurally superior to concrete platforms, and provides superior resistance to harmful chemicals, acids and manure - and comes with a 2 year platform structural and chemical resistance guarantee.



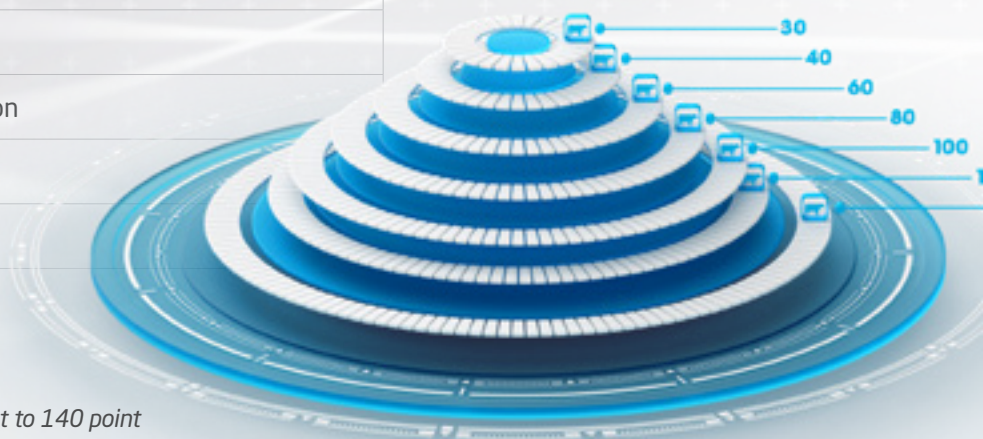
CONFIGURATIONS FOR ALL HERD SIZES

PLATFORM SPECIFICATIONS:

Rated operating duty per day
Extra Comfort Bail Width (980mm c/c outer rim)
Heavy Duty Galvanised Stallwork
Heavy Duty Stainless Steel Stallwork
Low Profile Stainless Steel Cabinet
Double Beam, nylon rollers 24/7 systems, approx. 450mm spacing
Lightweight, Heavy Duty Composite Deck
Drive Units & Cups On Controls
Heavy duty galvanised sub frame
Extra wide 2.7m platform
Rubber Mats for cow comfort
Automatic lubrication system
Full circumference control and emergency stop ropes
Entry Crush Switch
Entry D-Gate Assembly
Full circumference Rump and Kick Rail
Stainless Steel Dry Edge
ACR's / Detachers
Milking Point User Display
Mastitis and Udder Health Detection
Milk Metering
Dairy Management System

WHAT'S INCLUDED:

- Waikato 320 Cluster Sets
- Dropper Set
- Pulsation
- Filtered Air
- Rolled Lines
- Receiver and Sanitary Trap
- Milk Pump
- Milk Pump VSD (SmartDRIVE)
- Milk Recovery
- Auto Drains
- Rotek Gland
- Milk Filters
- Milk Delivery Lines
- Wash Water Return System
- Jetter Wash Lines
- Air Injector
- Heavy Duty Block CIP
- Vacuum Pump
- Vacuum Pump VSD (SmartDRIVE)
- Main Air Lines



*Available from 30 point to 140 point
in multiples of two points*

afimilk®

The Waikato Afimilk Rotary Milking Solution:

Ready-to-go automation for informed dairy decisions



Afimilk provides comprehensive solutions for monitoring and analyzing transition cows, empowering herdsmen with high-precision data to make informed decisions to optimize performance, while mitigating risk factors.

The Afimilk MPC Milk Meter, recognized for their accuracy and ICAR approval, precisely measure milk production, identifying cows deviating from expected yields for timely checkups.

The AfiCollar, a neck sensor, monitors key indicators like rumination, eating patterns, heat stress, and activity, aiding in the early identification of transitioning cows facing energy deficiencies.

This integrated approach, utilizing data from various sources, ensures early detection and intervention, promoting optimal herd health and productivity throughout lactation. Afimilk's tools not only identify cows struggling to increase milk production but also detect subclinical ketosis and other health issues, emphasizing the importance of effective management for sustained production success during the transition period.

AfiCollar

Reliable, precise heat detection on dairy cows and heifers. AfiCollars can be used as a standalone health and fertility monitoring system or as part of a comprehensive milking solution.

ADVANCED NECK COLLAR FOR COW MONITORING

Accurate heat detection: Animals that show signs of heat are listed in the “Animals for Insemination” report. Relevant fertility data is provided to help you determine which animals to inseminate now, quickly, should an issue arise, or in the event of an emergency - without causing injury to cows.

Real-time rumination and eating data: Track eating and rumination 24/7 and receive alerts on health changes at the individual, group and herd levels so you can investigate problems before they escalate.

Monitor panting and heat stress: AfiCollar monitors panting to identify heat stress at an individual and group level.

Group-level data for informed decision making: Widespread declines in eating can indicate problems with feed quality, sickness, heatstroke, environmental conditions and more. Group-level data on eating and rumination delivers powerful insights to support informed decision making. AfiFarm provides timely alerts, allowing for early intervention, which is key to maximizing farm efficiency.



AfimilkMPC

Afimilk's ICAR-approved milk meter and milking point controller (MPC) provide easy, reliable control of the entire milking process at each milking point.

Accurately monitor milk yield and conductivity, detect mastitis risk early and prevent the damage caused by udder disease. The Afimilk MPC protects against vacuum fluctuations, supports ideal cluster removal timing and automatically adjusts pulsation based on milk flow.

HOW DOES AFIMILK MPC IMPROVE YOUR BOTTOM LINE?



Optimizes milking routines



Promotes a calm milking environment for cow comfort



Maximizes parlor efficiency



Maintains udder health



AfiFarm™

Smart Farm Management Software

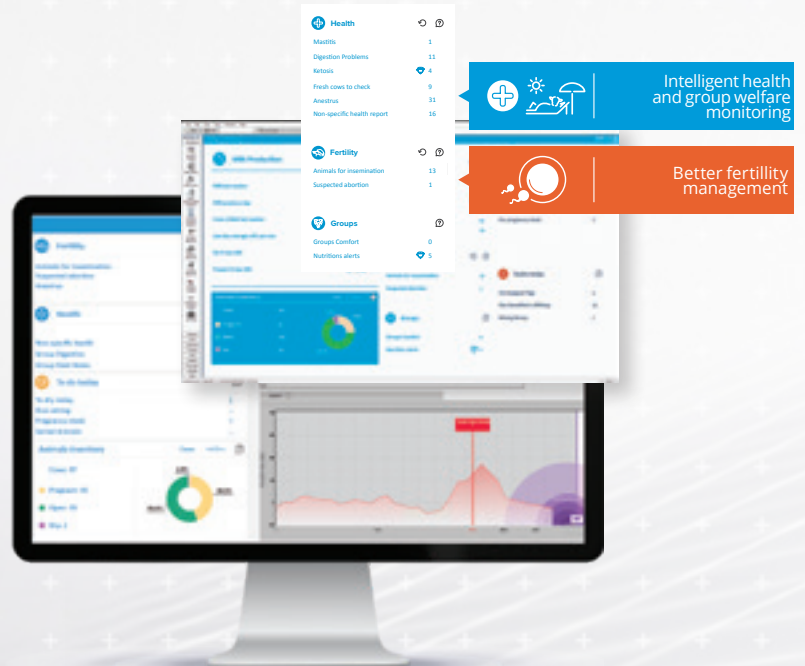
Enhance performance, increase profit. AfiFarm Management Software delivers real-time insights to improve dairy farm performance and profitability. AfiFarm's smart technology utilizes the data collected by the different sensors to create a comprehensive profile about each farm of up to 60,000 animals.

Easy-to-analyze data insights

- Health
- Fertility (heat, insemination, and abortion)
- Attention lists
- Group digestion trends
- Milk production (current and past sessions)

Specific reports

- Animals for insemination
- Suspected mastitis cows
- Suspected ketosis - AfiLab based detection, and risk factors (by AfiFarm)
- Fresh cows to check
- Anestrus cows
- Nutrition alerts (including SARA - Sub-Acute Ruminant Acidosis)
- Suspected abortions



The Afi2Go Prime app gives you the power to monitor cows, and assign and process tasks from anywhere

Set animal codes, assign tags, check cow status, manage treatments and group changes, assess fertility status and more - all from your mobile device.

AfiSort

Reduce lock-time and improve labor efficiency with AfiSort.

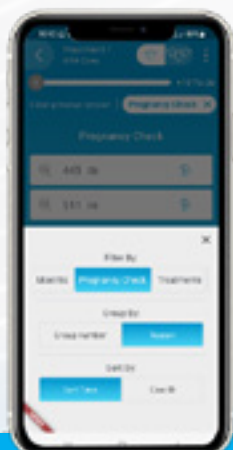
Sorting cows for treatment can be stressful for animals and staff alike. AfiSort changes all that with its easy to setup automated routines for animal sorting.

Smooth, streamlined procedure - AfiSort is designed and installed to maintain cow flow, and ensure calm sorting for animals

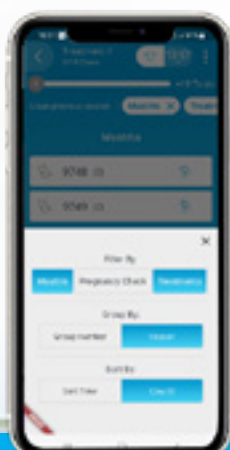
Labor savings - significantly reduce the number of people and the time it takes to locate and treat animals

Size doesn't matter - AfiSort works with farms of all sizes, and all manner of sort options, including two-way, three-way, single- or multiple sort gates

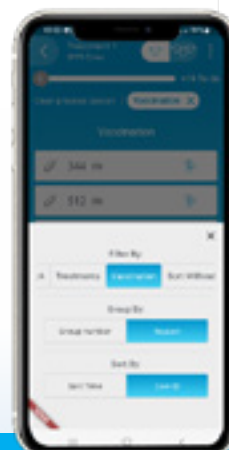
Sort and weight scale - integrated scale option for weight monitoring



PREGNANCY CHECK



TREATMENTS



HEALTH



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Growing the value of precision dairy farming