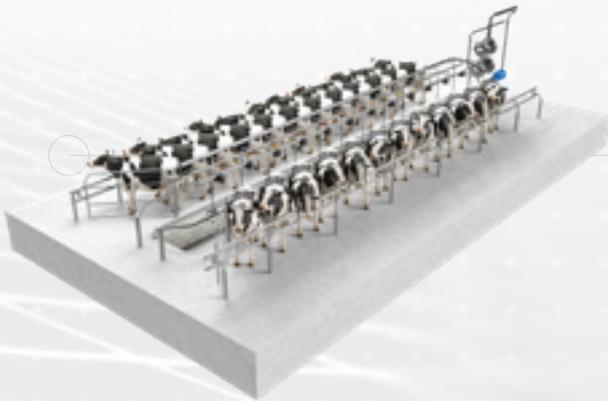




SUPA4 INLINE HERRINGBONE MILKING SYSTEMS



**FASTER MILKING WITH
GREATER EFFICIENCIES**



Maximise milking performance and throughput and elevate the value of your dairy operation through precision dairy farming

SUPA4

The Waikato Milking Systems range of Supa4 in-line swing-over milking systems are renown for their fast, efficient and clean milking performance.

Designed and engineered to meet the demands and expectations of modern milking, the Supa4 systems have outperformed and outsold all other milking systems in their class.

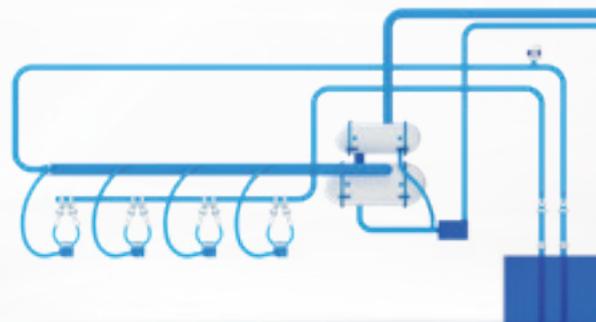
The single large volume 100mm (4") milk pipe drains into a receiver mounted at one end of the pit, and ensures a stable milking vacuum is maintained at an optimum level at all times - while eliminating milk line flooding. Meanwhile, the latest electronic pulsation system ensures milking is both fast and uninterrupted.

The Hurricane Slugwash System, recognised as the best cleaning system of its type, was designed specifically for the Supa4 and is included in all systems as a standard feature.

The Waikato Milking Systems installation process guarantees the overall quality and integrity of the Supa4 system, and the system's unique mounting system accommodates a wide range of accessories including Swing Arms, Swing-down Cluster Washers and many more.

Hurricane Slug Wash System

The Hurricane Slug Wash System is the best cleaning system of its type, and comes standard on all Supa4s. It has unique features incorporated into the design which ensure that the 100mm milk line is maintained at the highest hygiene level taking full advantage of a totally enclosed wash system.



Electronic Milk Meter

SwingARM

User Display



**FASTER
MILKING**

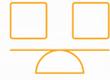


**GREATER
EFFICIENCIES**



**POWERFUL
CLEANING**

SUPA4 FEATURES



Stable milking vacuum

The large volume 100mm (4") milk pipe ensures a stable milking vacuum is maintained at an optimum level - a key factor for udder health and milk quality - while eliminating milk line flooding.



Hurricane Slugwash System

Designed specifically for the Supa4 systems, and recognised as the best cleaning system of its type, the totally enclosed wash system ensures the highest levels of hygiene and clean milking performance.



Modular design and construction

The modular design and construction provides a globally standardised system and installation integrity - with the assurance that technical support can be provided anywhere in the world.



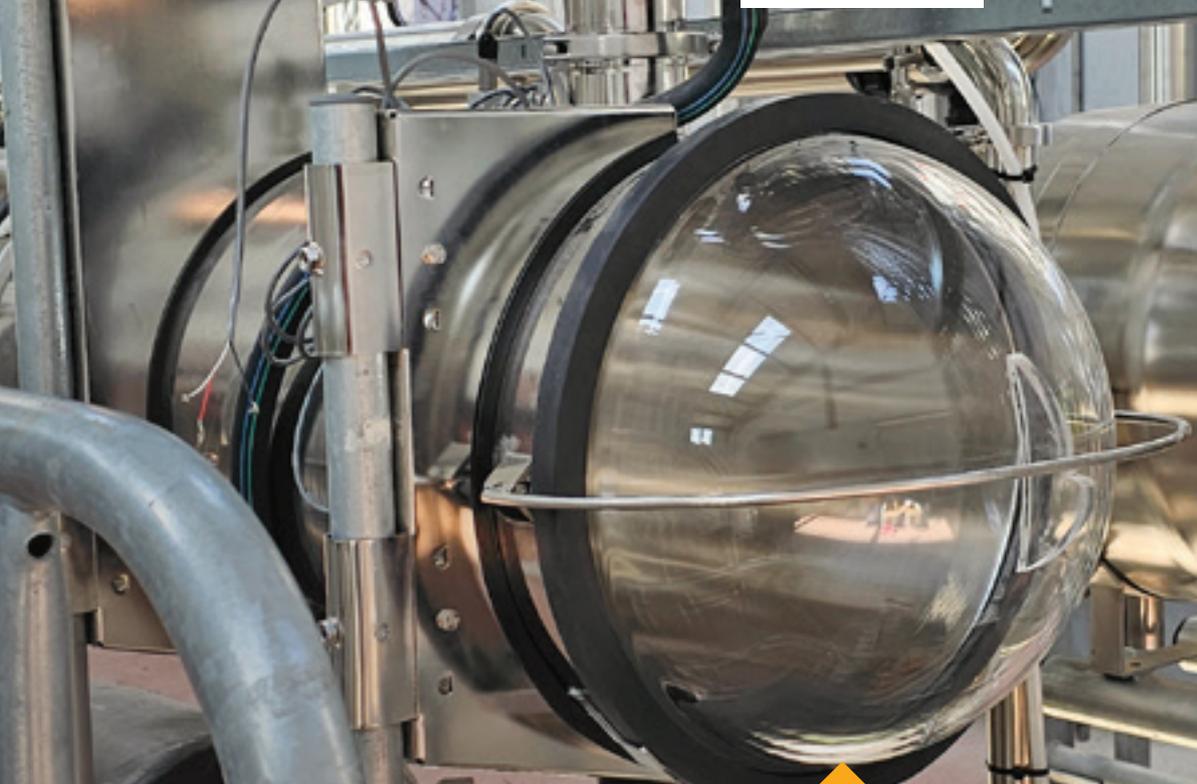
A simple, easy to use system

The simplicity of the system's design ensures ease-of-use for operators - especially when changing operator modes - for example changing from "Milk" mode to "Wash" mode.





Receiver



Sanitary Trap

A close-up of a rectangular digital display mounted on a stainless steel pipe. The screen shows some graphical information, and there are two buttons below it, one green and one grey. A yellow arrow points from the text label to the display.

User Display

A view of a long, horizontal stainless steel arm that supports multiple milking units. The arm is part of a complex mechanical system with various pipes and cables. A yellow arrow points from the text label to the arm.

Swing Arm

SwingARM

Optimise your cluster alignment,
and improve your milking efficiency

With a modular design, Waikato Milking Systems SwingARM also provide a cost-effective path for upgrading the Supa4 to more advanced milking automation equipment in the future.



SwingARM 5500

The SwingARM 5500 offers the perfect solution to improve your milking process. The incorporated ECR allows for convenient customisation according to your specific herd.



SwingARM 9500

The SwingARM 9500 sets the standard for premium milking solutions, featuring essential components such as ECR, AutoSTART, ControlSWITCH and SmartD-TECT, which brings additional benefits to your milking process.



SMARTD-TECT
PREMIUM

SYSTEMS

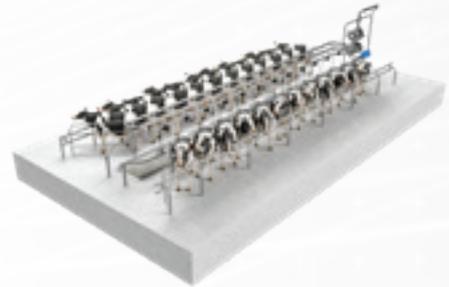
SUPA4

A Waikato Supa4 is a premium quality mid mounted swing-over milking system



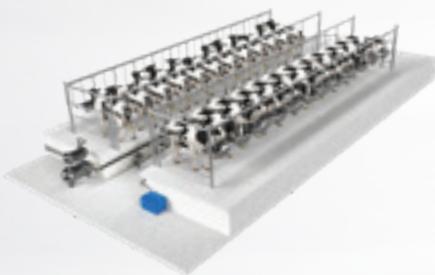
LOOPLINE

Designed to maximise milking efficiency and easy to use



LOWLINE

A reliable, well proven solution for swing-over In-Line parlours



SYSTEM COMPARISON CHART

	SUPA4				LOOPLINE	LOWLINE
	2500	5500	5600	9500	5500	5500
Mid-line configuration	■	■	■	■	■	
Low-line configuration						■
100mm milk pipe	■	■	■	■		
75mm milk pipe					■	■
Looped milk line					■	■
Slug-wash cleaning system					■	■
Hurricane wash system	■	■	■	■		
End-on mid mounted receiver group	■	■	■	■	■	
Floor mounted Low-line receiver group						■
See through receiver	■	■	■	■	■	■
See through Sanitary trap	■	■	■	■	■	■
50mm square fascia pipe	■	■	■	■	■	
SmartPULS	■	■	■	■	■	■
Automatic Cup Removers (vertically mounted)		■				
Swing Arms			■	■		
DairyHQ™ Dairy Management System		■	■	■		
Milk Meters				■		
SmartD-TECT				■		
Swing Down Cluster Washers (or Swing Out)		■	■	■		
AutoWash		■	■	■		
* Stallwork is not included						

INCREASE EFFICIENCY BY ADDING AUTOMATION

By incorporating Waikato Milking Systems automation equipment, you can streamline milking time, creating a more efficient working environment.

ECR

Automatic Cup Removers

Automatically remove cups to reduce your labour requirements and improve your milking consistency and efficiency.



CENTRALISED CONTROL



REDUCES EFFORT AND FATIGUE



GENTLE ON THE COW AND STALLWORK

Milk Metering

Increase production with valuable milk data insights



Electronic Milk Meter



YieldINDICATOR



MK V Milk Meter

SmartD-TECT | Mastitis Detection & Pulsation



Reduce your labour and increase your productivity with SmartD-TECTs automation technology.



INDIVIDUAL
QUARTER TESTING



VISUAL UDDER
HEALTH ALERTS



ALERTS 4 DAYS
BEFORE VISUAL
SIGNS EVIDENT

User Display | Monitor each animal's status in real-time, and identify issues immediately.



The User Display provides the operator with the status of each animal, and includes any alerts that may have occurred.



REAL-TIME
INFORMATION AND
ALERTS



ANIMAL
DRAFTING
FEATURES



RETAIN COWS
IN STALL

Improving the milking environment, and teat health.

When the dairy plant on Craig Clarke's operation in South Taranaki was being redeveloped, he decided it was the ideal time to make changes so milking time would be more enjoyable for his staff, while ensuring animal health remained paramount. Craig, a former Chiefs Super Rugby captain, is 50/50 sharemilking for farm owner Dennis Bourke, and takes care of 400 cows on the 150 hectare dairy in Hawera.

The original 30-aside Herringbone had no cup removers, so when the owner decided to replace it with a new Waikato Milking Systems Supa4 40-aside inline milking system, Craig talked to other farmers for advice on Electronic Cup Removers. "With the extra length of the new Herringbone, I thought including cup removers in the new shed would take the pressure off staff" says Craig. "So instead of having three people in the shed at milking time, we would have the option of only using two people - while still doing a very good job."

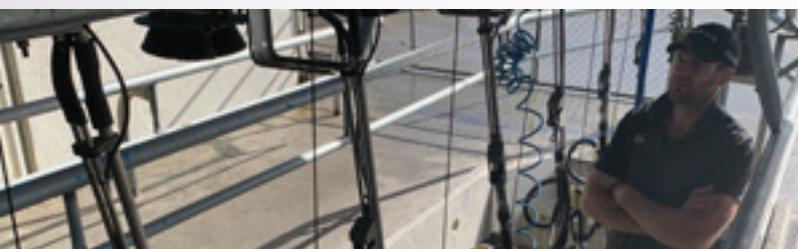
Having previously worked with Hunts Farm Services in Hawera for the supply and installation of other Waikato Milking Systems components, Craig engaged them to install ECR-S Electronic Cup Removers along with the new milking system - which was commissioned just before the beginning of the 2021-22 season.

After completing their first season in the new shed, Craig says "We're pretty happy with it all, and we're looking

forward to our second season." The big bonus for Craig and his staff was during AB time, "Having the cup removers doing their thing at milking meant we had more time to focus on identifying cows in heat. We weren't under the pump all the time." The cup removers also ensured the cows weren't over-milked, "That's particularly important during the mating season when you're concentrating on other things. Now we don't have to worry because the cups will come off at the right time." says Craig. The new milking system and cup removers performs up to Craig's expectations. Milking time takes about 2 hours and 30 minutes in the morning during the peak of the season, and just under 2 hours in the afternoon - with two people in the pit. Normally they have one person getting the cows in, while a second person starts milking and has a row ready for the first person when they get into the pit.

"In a perfect world, we would have myself and two other full-time workers on-farm. Because we've got four children in our family, we like to be a little bit over-staffed to give us some flexibility. But we can get away with me and one other full-time staffer and another half-labour unit." says Craig.

Since installing the new milking system their milk production forecasts had been exceeded in the first season. "We increased our numbers since moving to the





CRAIG CLARKE
– TARANAKI, NEW ZEALAND

“The cup removers make milking time a more pleasant environment and easier to attract staff, as well as looking after the teat health of the herd”

longer Herringbone but we still did better in terms of per cow production, on what we had budgeted.” Craig’s advice for farmers looking to redevelop or upgrade is to set your priorities at the outset. “The two big factors for us were finding a way to address the dairy industry’s staff shortage, and ensuring good teat condition. The cup removers make milking time a more pleasant environment and easier to attract staff, as well as looking after the teat health of the herd” says Craig.

The performance of the ECR-S units have also inspired him to include the Electronic Cup Removers in another 2022-23 project - a farm purchase they have made on the boundary of their sharemilking property with an existing 40-bail rotary. “We’ll be putting in the same cup removers and putting in new Cow Restraints from Waikato Milking Systems as well. So it’s an exciting time and we’ll be very busy over the next year” says Craig.

Sharemilker:

Craig Clarke

System type:

40 aside Supa4 In-Line Milking System

Herd size:

400

Location:

Taranaki, New Zealand

More efficient milking, and less time in the shed.

Having grown up on a dairy farm in the Waikato and “not wanting to become a dairy farmer,” Michael Tillemans became a qualified Trade Mechanic before taking up farming again in 1997 - after realising that “farming didn’t look too bad after all.”

In 2018 Michael purchased a 134ha dairy farm three kilometres north of Tokoroa, and after several years decided he needed to upgrade the existing 26-aside milking system. With the old system “the time spent in the shed, and cow flow was a shocker,” says Michael - and he wanted his staff to be able to spend less time in the cow shed so they “could be more productive elsewhere on the farm.”

Michael also wanted it to be easier to hire replacement staff when required. “I just wanted to be able to build a 40-aside milking shed with a swing-over, where one person would be able to milk 400 cows by themselves.” Michael decided to install a Waikato Milking Systems premium quality mid mounted Supa4 inline milking system that would be capable of high throughput, with less labour and minimum effort.

The simplicity of the Supa4’s design ensures ease-of-use for operators, especially when changing modes - and it

also includes a state-of-the-art electronic pulsation system for fast and uninterrupted milking. The system features a premium quality 100mm milk pipeline that provides a stable milking vacuum at all times, and totally eliminates milk line flooding.

Since installing the new Supa4 inline system, the labour required at milking time on Michael’s farm has been reduced. “Milking is more efficient and we have better cow flow. The Swing Arms have meant better cup alignment, and there’s plenty of room to walk around the pit,” says Michael.

Michael also says that because his old milking system didn’t have Automatic Cup Removers, “we have better udder health now due to the Swing Arm ACRs that were installed” on his new milking system.

The Supa4 In-line system also features the Hurricane Slug Wash System that ensures the 100mm milk line is maintained at the highest hygiene levels to take full advantage of the totally enclosed wash system. “The slug wash puts a big slug down the milking line to make sure it’s cleaned out properly. And with the AutoWASH function you just push a button and walk away,” says Michael. The system also features Swing Down Cluster



“
Milking is more efficient and we have better cow flow. The Swing Arms have meant better cup alignment, and there's plenty of room to walk around the pit
 ”

MICHAEL TILLEMANS
 – PUTARURU, NEW ZEALAND

Washers that can be lowered to reduce the effort required for cup positioning and cleaning. Qubik Putaruru installed and commissioned

Michael's new Supa4 inline milking system in May 2022 with Michael saying "While they had a fair bit on at the time, they did 12 hour days to get it done and dusted on time."

Michael would "definitely recommend" the Supa4 system to farmers wanting to increase their milking efficiency and reduce their labour. "I just like Waikato Milking Systems professionalism, and they're easy to work with."

Farm Owner:
 Michael Tillemans

System type:
 40 aside Supa4 In-Line Milking System

Herd size:
 400

Location:
 Putaruru, New Zealand



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Growing the value of precision dairy farming

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