



PEACE OF MIND  
THAT **COWS**  
ARE **SPRAYED**  
EVERY TIME

AARON OLESEN  
WAIKATO, NEW ZEALAND

## PROJECT SPECS

40 Bails | 700 Cows | Refit completed 2019

**Product Highlights:** New stall work, ECR Plus, SmartSPRAY Cow Restraints, Rubber mats fitted to original deck

**AUTHORISED WAIKATO MILKING SYSTEMS DEALER:** Qubik Putaruru and Moa Rotary Platforms



# A smarter way to spray more accurately and reliably

With teat health being paramount in ensuring the best possible milk quality and health care for their cows, the SmartSPRAY automatic teat spray system was at the top of Totman Dairies' list of key technologies when they decided to upgrade and refit their old milking plant in the Waikato.

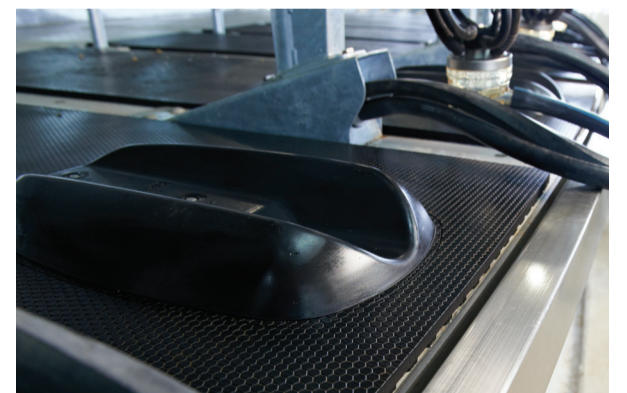
Prior to upgrading to their new Waikato Milking Systems 40-point rotary milking system in 2019, Totman Dairies had been using an older style automated teat spray system at the plant's exit point - where the cows were sprayed as they walked out of the shed.

After undertaking research on teat spray application, Business Manager Aaron Olesen and

his team decided on an in-bail system where the spray could be applied directly a few seconds after the cups were removed. "That's the optimum time to spray, when the teat canal is still open," says Aaron.

The Waikato Milking Systems SmartSPRAY system is designed specifically for this type of application in rotary dairies, and replaces the need for manual teat spraying and teat dipping before and after milking.

Other than refilling the spray tank every three days, which is easily accessible on the outside of Aaron's rotary platform, "There is little operator input required to maintain the SmartSPRAY system," he says.



There was also no effort required to transition the 700-cow herd to the new SmartSPRAY system, "I don't even think the cows noticed the difference when they went on to the rotary for the first time because the spray is released in a very fine mist."

Since installing SmartSPRAY Aaron says the





system has performed “without fault, and is very reliable,” and he has noticed an overall improvement in his herd’s teat health condition, “because the spray is applied accurately and correctly at morning and afternoon milking times, without fault.”

The adjustability of the SmartSPRAY system to ensure the best possible application of the spray was also a big bonus for the farm. This means the operator can “get the timing right,” says Aaron in terms of setting the spray to activate a few seconds after the cups are removed, clear of the cow.

For Aaron the main advantage of the SmartSPRAY system has been its reliability and proven performance in teat health condition. “It’s just given me peace of mind that the cows are going to be properly sprayed every day and every night. It’s a job that gets done without even having to think about it.”

Totman Dairies also added other automation features to their new rotary milking system during the refit by their dealers Qubik Putaruru and Moa Rotary Platforms - which have all performed up to Aaron’s expectations. This included installing ECR Plus (electronic

*“Cows didn’t even notice the difference the first time because the spray is released in such a fine mist.”*

cup removers) which were also fully adjustable and able to be removed from the cows at a time specified by the operator. ECR Plus also controls the SmartSPRAY system and the automatic cow restraints.

The Milk Recovery System on the rotary uses compressed air to force residual milk into the vat, which is saving about 80 litres per milking time. The Vacuum Pump on the rotary also ensured there was next to no vacuum loss during milking which was critical for the cup removers to perform properly.

Aaron also switched over to lightweight shells for milking which had dramatically reduced cup slippage. “This is just a small rotary, only 40 bails, but it is certainly efficient and reliable thanks to the automation technology we added in 2019.”

PRODUCT INFORMATION

# MAXIMUM TEAT COVERAGE, WITH MINIMAL LABOUR

An innovative automatic teat spray system designed specifically for rotary dairies, that replaces the need for manual teat spraying and teat dipping before and after milking.



**Sprays every cow, every time**

Reduces labour in the parlour while ensuring maximum coverage.



**Easier spraying, easier cupping**

The spray system also acts as a leg spreader to make cupping easier.



**Pre-milking option**

A pre-milking spray option is available (only with DairyHQ™ Parlour Management) which reduces labour.

**SMARTSPRAY**

