



DOUBLE K ELECTRONICS AUTOMILKER



*The Collis farms 60 bail rotary.
Milking a spring and autumn herd of 650.*

Without automation in a rotary dairy plant it is impossible to be in the right place at the right time. As a result the milker removing the cups & teat spraying just operates from a fixed position and as a result 90% of the cows get over milked.

The Automilker System in rotary dairies

The Manawatu based Collis family farm is where the Double K team tries new ideas and products. It is where Double K Electronics started the Milk Hub so that all sorts of things could be monitored. Double K products are now focused on preventing mastitis infection and the Collis herd has achieved very low mastitis levels even though a spring and autumn herd are milked together. We have been able to cleanly milk cows at the beginning and end of their lactation.

The Automilker system – 60 bail rotary, 1 x milker, 60 Automilker units plus fixed point take off, (or “RTO” -Remote Take Off). No cow restrainers or second rotation (Unless this is what the milker wants when the cups are put on), Cluster swing arms and Knee Bulb start enable the application of a cluster every 6 seconds. The Automilker system enables one operator to keep up with 60 bails.



The efficient Collis farms 60 bail rotary plant.

The Automilker System

Is designed to milk NZ pasture fed cows. Automilkers are reliable and long lasting because they use compressed air. Farm dairies are like factories and the Automilker uses factory technology and process control for low maintenance and long life. The idea is to automate the most time consuming repetitive aspects of herd management with equipment that pays for itself with more milk or lower costs of production and increased productivity.

Immediate Savings.

Optimizing the hiring of staff so that the business can be run with less housing and all the costs associated with staff is the critical decision many family businesses are currently making. Extra milk is not necessarily extra income.

Long Term Gains.

Many farmers are prepared to try automation if it can do the job better with less staff and increase production by just 1%. Better cow health, less mastitis and lower somatic cell counts can result because with the Automilker system there is more time available to detect and fix health problems.

Double K Electronics main product is the Automilker, generally known by farmers as the electronic cup remover, cluster remover or detacher. However the Automilker system is truly different to all the other brands. It senses the milk flow from each cow using different and better technology.

More than just a cup remover...

Designed in New Zealand to milk pasture feed cows that are dried off at very low milk yields. When you add an Automilker system to your milking plant you will be able to fine tune your existing milking machine to perform better. Some of the things that can be adjusted are vacuum level, cluster weight, cluster air admission anti mastitis claws, teat spraying (before and after milking). Automilker cluster removal can be installed with bail restrainers so some cows go around twice or alternatively with a fixed point take off where cows don't go around twice. The Automilker system can include swing arms to position the cluster. Knee bulb start switches make “Cups on” a two hand operation.

Recession Buster

Simplicity in a Rotary dairy is the key. If you keep your rotary milking parlor simple almost anybody will be able to milk your cows. At times this will be you -The owner ,when your staff have legal holidays, time off or are sick . If you are tired of costly, complicated and imported milking equipment that is costing you time and money to keep going then you need to "Study up" on the Automilker system for rotary dairies.

See www.automilker.co.nz

Existing customers have found that the most valuable feature of the Automilker is that it can be added to any existing milking machine to create a simple reliable long term solution to the problems the owners of large herds and rotary dairies have.

Cost Benefit Analysis

This can be done by simple pay back or more complicated discounted cash flow methods.

The long term cost over a 10 year period is \$150 capital cost and \$20 maintenance per bail per year.

Experience has shown that this is reduced to \$100 + \$20 when the resale value is taken into account. All that is required to justify the Automilker long term is a small 1% productivity increase or a reduction in costs of more than \$6000 - \$7200 per year in a 60 bail rotary milk plant. Contact us for an estimate specific to your plant on 06 354 2077



The key factor is achieving good teat end condition. It is well known that efficient application of a suitable teat spray will significantly aid in control of mastitis and in reducing somatic cell counts .

The Automilker teat sprayer

Automilker teat sprayer equipment for rotary dairies includes a top of the range 100 Litre stainless steel mixing tank and a new patented way of applying the spray to the teats with more precision and less wastage. Installed with the Automilkers, cows that are still milking or are making a second pass are not sprayed twice. The cups on operator can start, stop and reverse the platform without affecting the spraying precision.

Also available are the AMRead aluminum bolt on leg spreaders to assist teat spraying and the cups on operator.

The Automilker System is truly different to other brands. - The Reasons...

- The Automilker system retains a great resale value
- Remote Take Off or Pre-Exit cluster removal means bail restrainers are not required saving time and money (in some cases up to 40 thousand dollars can be saved by not installing bail restrainers.)
- Cluster components designed for rotary milking, AMRead Claw, Leg Spreaders and Pulsation
- Rotary teat spraying that is different and more effective due to high precision and less wastage
- Compressed air switching and circuit board moisture protection
- Easy to see lights that show milk flow from each cow and other information including the RTO flow rate
- Air pressure start bulbs that save time. (every second saved equates to an extra 60 cows per hour)
- Easy to use hand held programmer, so you can set the milking parameters without the cost of a serviceman
- Can be fitted to any brand of milking plant. The normal operation of plant can be reverted to if the Automilkers are not turned on (failsafe mode)
- MAF approved for cleanability, jetter CIP compatibility
- Milk sensor has no rubber components. (big saving in yearly costs)
- Very reliable vacuum cylinders and minimal electrical wiring
- Proudly manufactured in Palmerston North. Supplied and supported via local dealers and Double K Electronics.

FOR FURTHER INFORMATION AND A FREE PROMOTIONAL DVD ON THE AUTOMILKER CONTACT...

WWW.AUTOMILKER.CO.NZ

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