

Happy New Year!



THE RIGHT CHOICE



At this time we, at Pacific Dairy Centre, would like to thank and wish everyone the best for a blessed New Year! Pacific Dairy sees a pivotal year ahead in 2015 with the introduction of GEA Mlone Robots, GEA ProQ Robots, Robivec Automatic Feeders, GEA Manure Centerfuges, Daritech DTX Green Bedders (5 sold) and even Harvester equipment. The farming landscape is certainly changing as more and more environmentally safe Slurrystore Manure Storage, above ground, steel, glass lined Tanks are being put up. Another new product just installed at Kambro is a new barn option called Lumiridge with chimney ventilation and 52 inch fans.

MILK NOT MILK?

American entrepreneurs intend to use a genetically modified yeast to produce a liquid that tastes like cow's milk. They plan to insert DNA sequences from dairy cows into yeast cells and then grow these in cultures at a controlled temperature and harvest the milk proteins. The fat will be extracted from vegetables. Sugars and minerals, such as calcium and potassium, will be added. They intend to use healthier fats and a sugar more suited to those who are lactose intolerant. The motive is to produce a welfare friendly "milk". However, surely two points have been overlooked - Can such a product be called "milk" and what is the GMO dimension? (from *International Dairy Topic Magazine*)

HEALTHY SKIN

It can be easily argued that the teat skin is the most valuable and important part of the cow, making it an incredibly important asset to

protect for all dairymen. And the milking system is the only piece of equipment on the entire dairy operation that operates on living tissue. Therefore, it is important that this equipment operate flawlessly. And it is also important that any product, that comes into contact with the teat, provides all it can to promote healthy teat skin. Does it dry the skin too much? Is it the right PH? Is it a harsh product? Is there skin emollients? Good questions for your route man. Remember that damaged skin may allow micro-organisms to invade the teat skin tissue. (from *GEA Milk Quality*)

GRASS

It is generally accepted that cows are extremely efficient processors of grass. But researcher, Arie Klop, for the University of Wageningen says he can go one better than the rumen in this respect. The key here is a "bio-refinery" procedure where plant structure is broken down and pressed to give a protein-rich juice and high-fibre cake. Not unlike what a centerfuge does to liquid manure in its extraction of nutrients. Klop is certain that, once separated, these two components can be exploited much more efficiently. The cake is ensiled with molasses and used for cattle feed. The high fibre product is also attractive to the paper industry for things like egg cartons. The juice can be used for many rations with cows, pigs, etc. (from *Agri Future Magazine*)

EURO TIER

The every other year "animal husbandry" show in Hanover displayed its wares again at the end of 2014. The show with 2400 exhibitors from 50 countries is certainly the largest Dairy Equipment show in the world.

One of the largest and for sure the busiest of all booths was GEA's 200 ft. by 200 ft. equipment display. Stealing the show and causing a lot of interest was GEA's ProQ Rotary Robotic Milker that is now ready to sell to mainstream farmers. Now any size farm can acquire robotics for milking while not affecting feeding routines or stall management routines. There were also 30 different companies introducing automatic feeding systems.

MILKING EQUIPMENT NAMES

As the Dairy Industry consolidates to aid in producing milk economically and efficiently, the toll on manufacturers grows. The following is a list of manufacturer names that have either quit or sold out to other manufacturers:

- ⇒ McCornack
- ⇒ International Harvester
- ⇒ Chore Boy
- ⇒ Hinman Milker
- ⇒ Sunset
- ⇒ VanVetter
- ⇒ Universal
- ⇒ Mannis
- ⇒ Surge
- ⇒ Germania
- ⇒ SW Lowe
- ⇒ Roka
- ⇒ Kipe
- ⇒ Babson Brothers
- ⇒ Colvin Milkers
- ⇒ Crees Lactator
- ⇒ Empire Milking Co.
- ⇒ Murchland Milkers
- ⇒ Thistle Milker
- ⇒ Melotte
- ⇒ Mehring Milker
- ⇒ Pine Tree Milker
- ⇒ Baldwin
- ⇒ Hodges & Brockenden

GEA Mlone



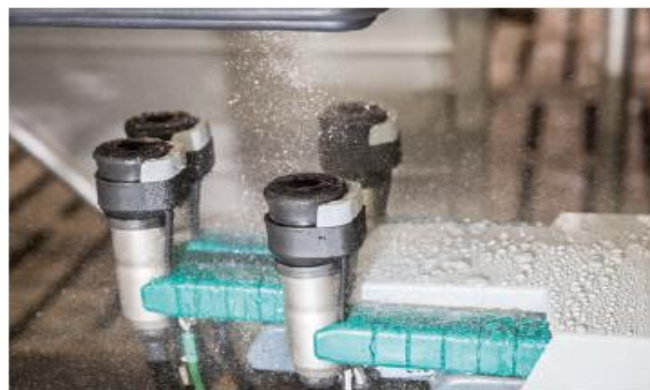
Planning for tomorrow

Put your future investment to the test and judge your automatic milking system against your demands. If necessary, the Mlone multibox system can even grow with your farm by adding an expansion box. The combination of new innovative and established components provides you with a reliable, high-performance and durable basis so that you can be equipped for the challenges facing you both now and in the future. Plan ahead for your farm!



Clean milking for top udder health

No brushing and separate pre-milking: Everything in one single step. The Mlone automatically prevents cross-contamination within the herd – consistently and without exception for every milking session! In addition, the top of the teat cup can be cleaned after every milking session and optionally disinfected with a highly efficient process using peracetic acid.



Pure routine: the milking process

Your cows will like to be milked in the Mlone. Once the box is closed, an undisturbed, stress-free milking process begins: Attaching, stimulating, cleaning, drying, pre-milking and milking, right up to the removal of each of the four individual quarters. In short: the complete milking routine quickly and effectively carried out in one single process!



Milking procedures:



attaching



stimulating



cleaning



drying



pre-milking



milking

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