

# LELY TEAT CLEANING

The facts about automatic teat cleaning



Together with the introduction of automatic milking in the 1990s, the automatic teat cleaning system was also introduced. Although it has always been overshadowed by the more spectacular automatic teat cup connection, it has always been an important part of the success of robotic milking.

The unique patented brush cleaning system which Lely has been using on the Astronaut robotic milking system for 15 years now, has proven to be the most successful system in respect to animal welfare, hygiene, milk quality and optimal stimulation characteristics.

A brush has always been used when cleaning was crucial



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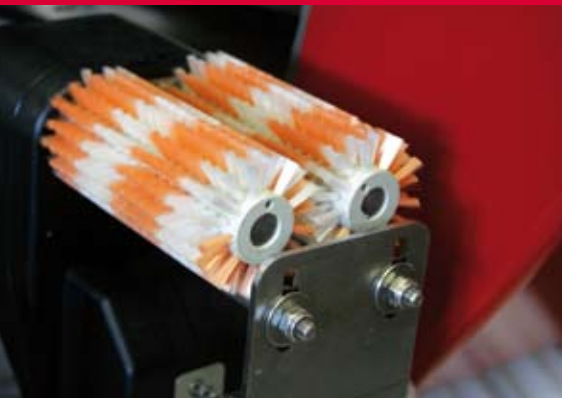
# The main reasons why brush cleaning gives the best results, from different perspectives

## COW PERSPECTIVE



- Brush cleaning enables very quick and most effective tactile stimulation, which is important for optimal oxytocin release.
- Cows are more relaxed and kick 42% less in the Lely Astronaut milking robot than in other systems, according to Swiss research.
- Because of the optimal stimulation, the connection of the teat cups to the firm teats is more reliable, resulting in better milking, lower cell count and less mastitis.

## TECHNOLOGICAL PERSPECTIVE



- Brush cleaning can be used with different kinds of bedding material. Chopped straw does not cause any blockages or other problems.
- The Lely brush has different red / white hair types in a spiral shape for optimal stimulation and cleaning.
- Very reliable and easy to service. Which other manufacturer gives a 5-year warranty to the key component of the teat cleaning system?

## HYGIENE PERSPECTIVE



- Best cleaning results due to the mechanical action of the brush.
- The only cleaning system that cleans the area around the teats where teat cups can touch, as well as the bottom of the udder close to the teat.
- Highest rate of successful cleaning.
- The best milk quality figures, not only for the bacteria count but also on the level of butyric acid. Brush cleaning even scores much better than cleaning manually.
- The brush cleaning system is the only system that is disinfected in between cleaning cows, preventing cross contamination.

## ECONOMICAL PERSPECTIVE



- Better udder cleaning will help you to get a premium milk price.
- Better stimulation will improve the connection time, the milk speed and therefore the robot capacity.
- Highly reliable, proven system requires less service, brushes last at least 6 months.