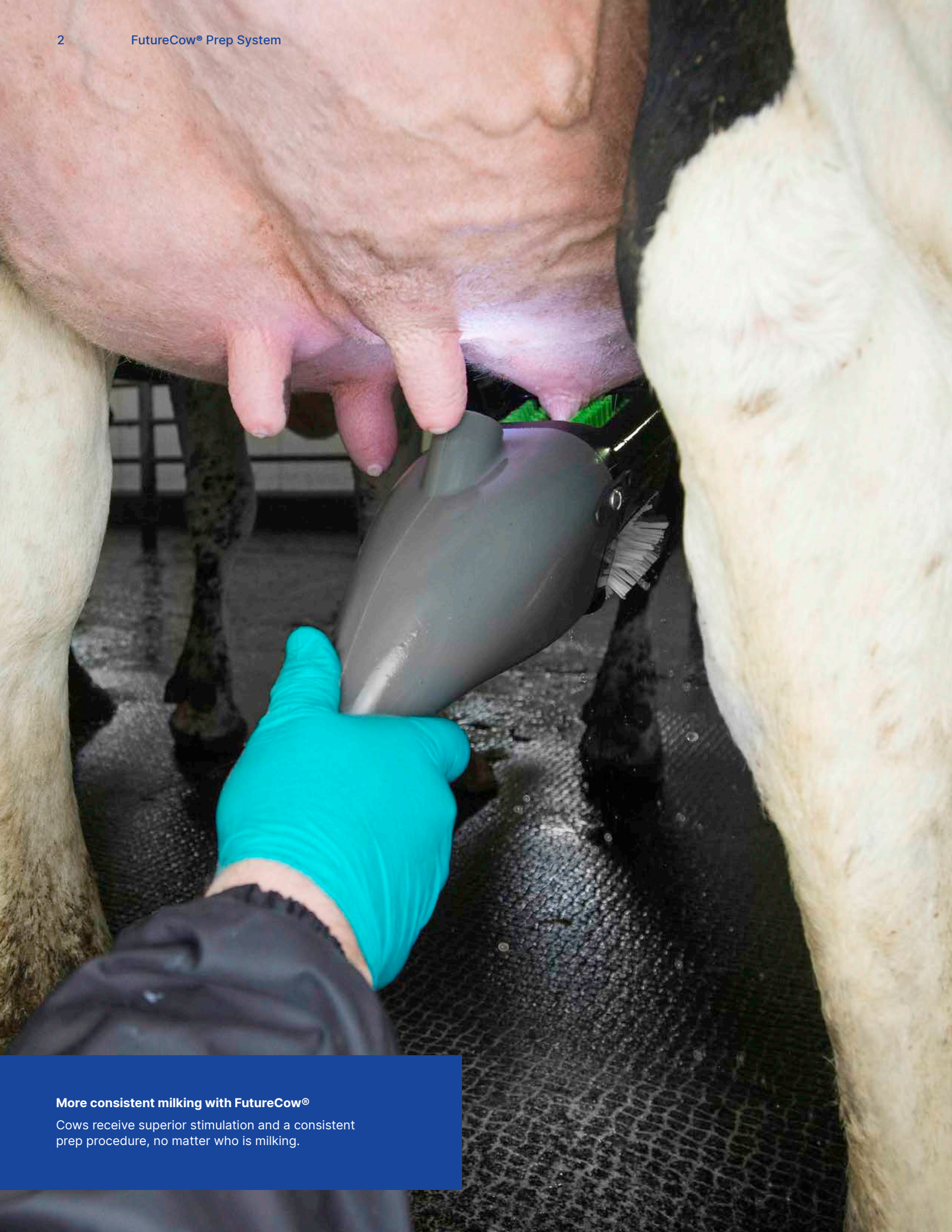




# FUTURECOW® PREP SYSTEM

The most consistent cow prep for any herd size



**More consistent milking with FutureCow®**

Cows receive superior stimulation and a consistent prep procedure, no matter who is milking.



# MULTIPLE PRE-MILKING PROCEDURES IN ONE EASY STEP

The FutureCow® Prep System features a mechanical brush unit that gently washes, disinfects, stimulates and dries all in one visit to the cow.

Dairy producers can potentially reduce labor costs and can certainly reduce operating costs by eliminating towels and laundry.

**Streamlined and consistent cow prep** — allows for a more efficient parlor and greater parlor labor productivity—even increasing the number of cows milked per hour. Consistent prep procedures optimize the milking process and oftentimes aid in increasing production and milk quality.

**Superior udder stimulation** — can increase milk flow rates and decrease milking times, further improving parlor throughput. Faster milking times also benefits teat condition.

**Improved teat health and milk quality** — the durable, yet soft, multi-layered brushes accommodate all teat lengths and ensure teat-ends are properly cleaned before the milking unit is applied.

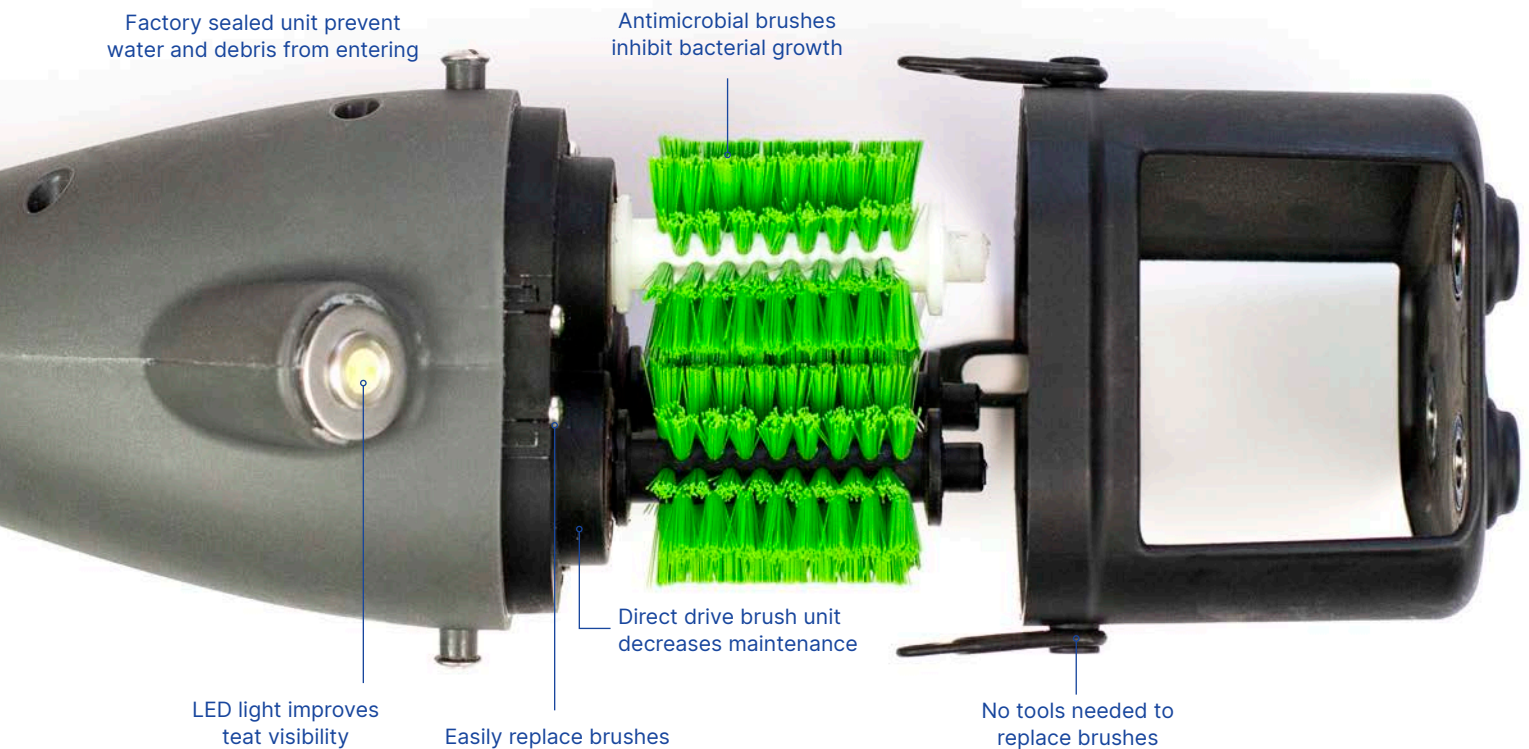
**Fixed cost for pre-milking prep** — flat rate per cow pricing provides consistent and easily managed cost.

**A system for all herd sizes** — whether you milk 50, 500, or 5,000 cows or more, there is a FutureCow® Prep System to accommodate any herd size.

**Installed and supported by GEA dealers** — a professional network with unsurpassed dairy equipment experience available 24/7.

# A BRUSH WITH GREATNESS

No other system compares to the ingenuity and quality found in the FutureCow® Prep System.



New guard stops solution from dripping back on operator.



LED light improves teat visibility.



Proprietary chlorine dioxide solution helps to reduce mastitis causing organisms.

# HOW IT WORKS

The FutureCow® Prep System consists of three independently operating components.

## FutureCow Blending Devices

GEA now offers three different automated blending systems to blend cleansing solution ingredients with water to create a ready-to-use (RTU) product that cleans and disinfects the teats.

- The RTU tank refills automatically with the help of the controller, when it is time to blend more solution.
- Some blending options offer an alarm light that will activate if an ingredient runs out, to prevent improper solution from being made.
- Reverse osmosis units are available to optimize water quality.

## FutureCow Air-Operated Pump

The pump delivers product from the blending system to the FutureCow Control and Brush Unit.

- Located in the equipment room, the air-operated pump draws solution from the RTU tank and pumps it to each control.

## FutureCow Control and Brush Unit

Controls the dispensing and use of the solution.

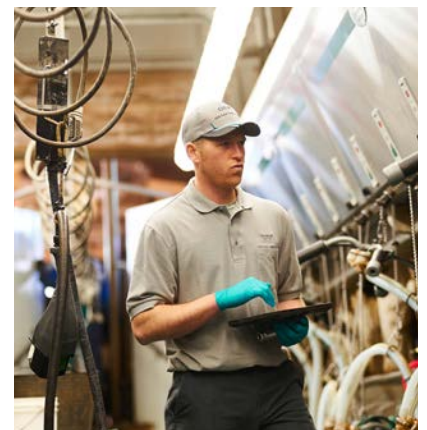
- The brush units are mounted to a cable (or a 20-ft. or 35-ft. drag line) in the parlor, allowing the unit to move from cow to cow. The operator pulls a trigger to start the rotating brushes and dispense solution. The operator cleans each teat then releases the trigger, to stop the flow of solution.
- The brushes continue rotating to wick moisture away from the teats. The operator then moves to the next cow and repeats the process. The DairyAir® brush unit further aids in drying teats. Your GEA dealer will discuss your parlor efficiency goals and customize the brush timing and brush options accordingly.
- The brush unit is connected to the control in the chemical room which delivers power and solution to the brush unit. Motor sensors protect the system and your cows from unexpected challenges, such as tails getting caught in the brushes.



No drive shaft means less maintenance for dairy and dealer.



Heavy Duty (HD) brushes available for increased soil loads.



Professionally installed and serviced.





### FutureCow® Prep System benefits everyone

Discover all the reasons why incorporating FutureCow® Prep System can help your bottom line, while helping your cows and employees.



# BENEFITS FOR COWS, EMPLOYEES AND THE DAIRY'S BOTTOM LINE

## Benefits for your cows

- Improves teat-end health.
- Results in cleaner, healthier teats less prone to mastitis.
- Maximizes udder stimulation; improves milk flow rates.

## Benefits for employees

- Lightest brush on the market and ergonomically more pleasant than traditional udder prep methods.
- Easier on hands and back.
- Reduces footsteps in herringbone and parallel parlors.
- Eases training for new milking operators and builds confidence in performance of existing employees.
- Reduces labor needed for cow prep and simplifies pre-milking procedures into one, easy step.

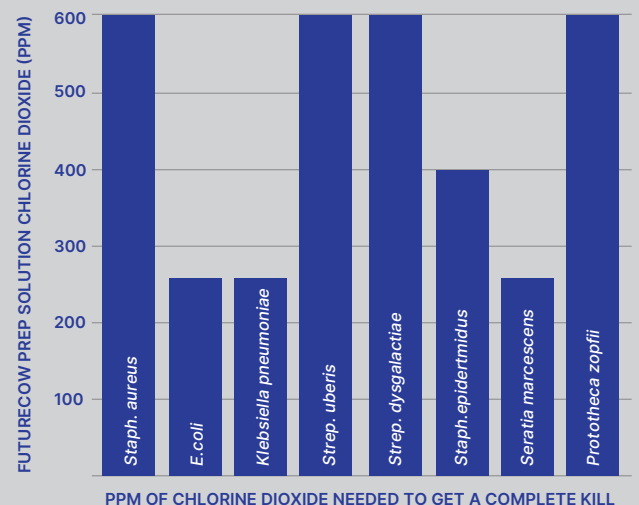
## Benefits to the dairy's bottom line

- Direct drive brush unit requires less maintenance.
- Decreases milking times; increases the number of cows milked per hour.
- Does away with the cost for towels, towel service, and laundry while also eliminating the need for maintaining laundry equipment.
- Improves milk quality, often times reducing somatic cell counts.
- Patented process with specialized chlorine dioxide solution thoroughly cleans each teat, reducing iodine usage.
- Eliminates the delivery and storage of bulky, heavy totes of chemical on the dairy by blending a ready-to-use cleansing solution from concentrated ingredients.
- Backed by GEA dealerships offering industry-leading equipment expertise and customer service to support your purchase.

## FutureCow® Prep Solution Efficacy Data

FutureCow® Prep Solution provides a complete kill against all major mastitis causing organisms.

Your GEA dealer will calibrate your FutureCow system to the appropriate level of Chlorine dioxide. It is important that the pH of the solution stays between 2.5–3.5.



**Note: When soil loads are heavy, we recommend setting system at 800-1,000 ppm to help ensure proper kill rates.**



**Consistency and labor efficiency**

These are the keys to FutureCow® Prep System success stories.



# SUCCESS STORIES



## Ron Gibson, Gibson's Green Acres

The FutureCow® Prep System from GEA is doing exactly what Ron Gibson of Gibson's Green Acres wanted when he was searching for ways to improve milking consistency and udder prep on his Utah dairy. "With FutureCow every cow is prepped the same every time she comes in the barn," says Gibson, owner of this 1,250-cow herd. Plus, Gibson adds, "We are able to milk more cows in our existing parlor because it has made us more efficient."



## Joe Thome, Redtail Ridge Dairy

Joe Thome has seen great gains in labor efficiency since he switched to using the FutureCow® Prep System from GEA at Redtail Ridge Dairy near Malone, Wis. "It freed up one person in the parlor," says Thome, who milks 1,200 cows and maintains a somatic cell count of 90,000. "We even added 150 cows, and milking isn't taking any longer. FutureCow is definitely more efficient than using towels."



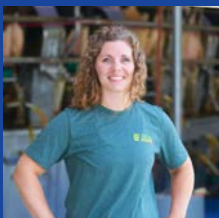
## Matt Berge, Badger Pride

Matt Berge chose the FutureCow® Prep System from GEA to improve teat health and cleanliness and improve consistency with milking prep procedures. "FutureCow has allowed us to achieve good teat end condition and consistent milk prep," says Berge of Badger Pride, a 840-cow dairy milking three times daily in a double eight parlor in Valders, Wis. "With FutureCow, we have consistently improved udder prep throughout every shift, every cow and every milker."



## Braden Munk, Munk Family Farms

The FutureCow® Prep System from GEA has improved milking prep consistency on Munk Family Farms, an 800-cow herd in Amalga, Utah. Herd manager Braden Munk says this consistency has led to fewer cases of mastitis and a lower somatic cell count. "FutureCow is more consistent from employee to employee, shift to shift and cow to cow: it takes the human deviation out of it," Munk explains.



## Leah Kieler, Kieler Farms

Leah Kieler, of Kieler Farms, Platteville, Wis, runs the FutureCow® Prep System on a 50-stall GEA rotary parlor, milking 1800 cows. "One person can prep 270 cows in 45 minutes. The most impressive part of the FutureCow Prep System is knowing my employees are prepping cows consistently. Cows need consistency and that's what FutureCow brings to our parlor."

# EASILY INTEGRATES INTO YOUR PREP ROUTINE

Create efficiency for the operator and the cow while eliminating the use of towels for drying.

## Parlor Prep Routine A

### Pass 1 (ideally 8–12 cows)

- Strip to check for mastitis
- Use FutureCow brush to clean, sanitize, stimulate and dry

### Pass 2

- Attach and align

## Parlor Prep Routine B

### Pass 1 (ideally 6–8 cows)

- Strip to check for mastitis

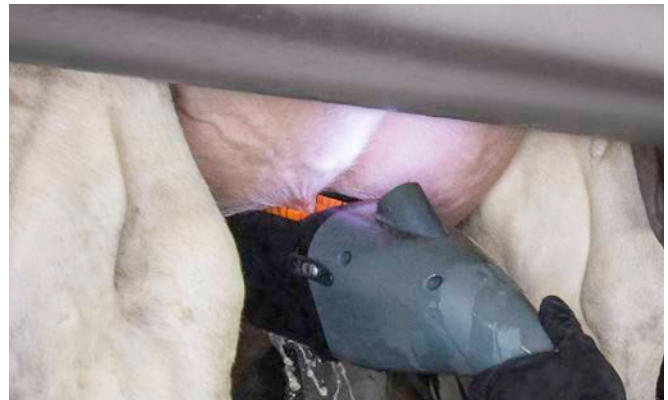
### Pass 2

- Use FutureCow brush to clean, sanitize, stimulate and dry

### Pass 3

- Attach and align

Goal is to maintain 90–120 seconds of lag time for 3x dairies.



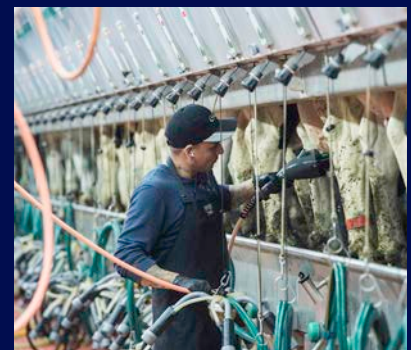
## Compatible with any parlor type

- Rotary
- Parallel
- Herringbone
- Tandem
- Swing over
- Stanchion

Can be installed alongside any brand of milking equipment.



Rotary



Parallel



# CONTROLS AND OPTIONS

Contact your GEA dealer to learn more about FutureCow products available for herds of any size.

## Controls



**FutureCow® Prep System LT, Elite and Elite2** — can be installed on dairies of any size; the LT and Elite models power one single brush unit, while the Elite<sup>2</sup> model powers two brush units with one box. Each of these controls will run DairyAir® brush units.



**FutureCow® PRO Series** — offers large herd sizes a 24/7 parlor control. The Pro 2X will run two brush units, the Pro 3X will run three brush units, and the Pro 6X will run 6 brush units. Dairies can run the parlor with one control, and have a back-up control – all in one. Each of these controls will run DairyAir® brush units.

**FutureCow® Prep System 2AM** — recommended for dairies with less than 300 cows or as a back-up system for larger herds.

**FutureCow® Prep System Mobile Cart** — best for herds milking less than 200 cows in stanchion barns.

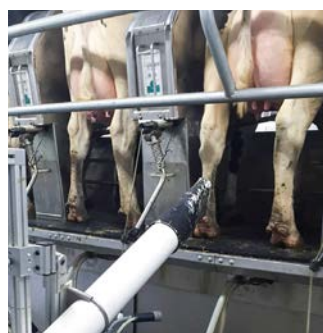
## Options



**DairyAir® Brush Unit** — provides a high pressure jet of air aids the drying action of the brushes to shorten prep time even more.



**Dragline** — provide versatility for installations where nothing can be installed over head or in swing parlors.



**Heavy-duty Rotary Blower** — shortens teat drying time for rotary installations.

## Additional Options

**Stand-alone pH Monitor** — gives digital readout of pH and provides a visual alarm if the pH gets too high.

**Prep Solution Warmer** — warms the prep solution for increased stimulation and enhanced cleaning.

**GEA Farm Technologies, Inc.**

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