

Stay ahead of your future



Lely Astronaut A5 Next
automatic milking system



Lely Astronaut A5 Next

While previous generations also had to comply with increasingly stringent regulations, current and future generations will have to work fully transparently to produce food in the most sustainable way with greater attention to animal welfare.

Our advanced Lely Horizon farm management system delivers extensive decision support enabling you to manage your costs and respond to calls for transparency.

This new Lely Astronaut A5 Next has a series of new innovations, standard as well as optional. Its completely new operating system matches the technology demands of today, tomorrow, and beyond. You and your farm will be better prepared for future challenges and opportunities.

State-of-the-art technology based on over 30 years of experience in dairy automation.

Cow autonomy and comfort

The A5 Next is based on the principles of free cow traffic, allowing cows to act more natural and make their own choices. Thanks to the unique I-Flow concept and the spacious design of the cow box, cows feel more at ease which optimizes productivity.

Easy to operate

The A5 Next is built for cows and people with its intuitive user interface which makes automatic milking easy to understand for everyone. The optional automatic milk filter takes convenience to the next level.

Reliable

Three decades of experience and farmers' insights helped us to improve the A5 Next reliability in every new edition. This provides reliability through resilience, adaptability, and protection.

Return on investment

When developing and testing a new edition of the Lely Astronaut, we paid a lot of attention to the total cost of ownership. We continuously monitor water and energy consumption, as well as the serviceability of components and systems.



Newest improvements

Completely new operating system

A completely renewed nerve system brings heightened resilience, adaptability, and digital protection.

Improved pre-treatment brush unit

Gentle, efficient cleaning and stimulation for milk let down.

Revolutionary teat detection system

TDS2+ connects like a farmer, combining the focus of the laser with the wide view of the camera.

88%

of Lely Astronaut users worldwide are satisfied or very satisfied with their robot*

We never stop innovating

Proven innovations

The hybrid arm

Its silence and accuracy make the robot more human and cow-friendly.

I-Flow

For optimal visit behaviour. The cow can walk straight in and stay within the comfort of the herd.

Horizon

Lely's state-of-the-art management software. Decision support at your fingertips.

New and improved options

New Automatic Milk Filter

Automates the task of changing the filter socks, easy to clean and maintain.

New Eartag ID

Introducing Eartag ID as the entry level identification solution for enhanced flexibility.

New Milk For Use

Easier, cleaner, more gentle, and safer handling of separated milk.



Designed for cows and people

The autonomy of the cow is central to our product development. Our approach to automation leads to peace in the barn, stress-free cows, and helps to optimize production. But to unlock the potential of the system it should be easily accessible for people as well; even with minimal experience.

People

Real-time data access

With a quick glimpse you see which cow is being milked and what her status is; see how all quarters are performing. It only takes one touch to control routing or change milk destination.

Next-level efficiency

The Lely Astronaut A5 Next's energy-efficient design helps reduce the cost of milking. Additionally, the automated system reduces the need for manual intervention, allowing farmers to save time and improve overall farm efficiency.

Peace of mind

Our solutions offer you peace of mind by reducing repetitive tasks. For example, the new optional Automatic Milk Filter eliminates the task of changing the filter socks three times a day.

Cow

Easy and natural access with I-Flow

Thanks to I-Flow, cows enter the milking unit naturally, in a straight line. The milking unit itself is open and spacious, ensuring the cow feels comfortable and unconfined during the milking process.

Comfortable milking

The Lely Astronaut A5 Next arm moves synchronously with the cow, ensuring smooth and accurate connections even with many cows with irregular teat positions. The robot arm is quiet, fast, and decisive.

Different types for different needs

Lely provides a diverse selection of silicone and rubber teat liners. By giving advice on the right liner fit, the system helps safeguard teat health, reduce the risk of mastitis, and improve overall welfare and milk yield.



Eartag ID

The entry level identification

- Seamless, affordable identification solution
- Strategic growth with monitoring integration



TDS2+ teat detection system

Your extra set of eyes

- Improved connection performance through laser-camera combination
- Ready for future innovations in comprehensive monitoring



Milk for Use milk separation

- Improved fly protection
- Transparent buckets are easy to use and clean
- Helps to maintain the quality of colostrum



Pre-treatment Brush

The important first touch

- Gentle, efficient, silent, and tactile stimulation for milk let down
- Improved cleanliness and serviceability
- Efficient with low energy, water, and detergent usage



Automatic Milk Filter

- Automates the task of changing the filter socks, three times a day
- Provides insights into flush performance



Lely Technical Diagnostic Assistant – service tool

- Remote technical performance monitoring
- Smarter and faster service support

Lely Horizon

Decision support at your fingertips

The Lely Astronaut
harvests more than

100+

valuable data points
per milking



The Lely Horizon farm management software revolutionizes the connection between dairy farmers and their cows. It provides you with the tools you need to stay in control of your herd and milking process 24/7. By leveraging Lely robots and Lely Horizon together, you will know what is happening at your farm, understand why, and receive proactive support to optimize your farm, giving you more control over your herd than ever before.

Always in control

Lely Horizon ensures you have continuous access to vital farm information. Tasks, reports, and alerts are readily available on your smartphone, making it easy to stay informed even when you're not on the farm. When on the farm, task-based working and strategic routing help you minimize unnecessary cow touches, saving time and labour. The system operates around the clock, monitoring and collecting data to provide actionable insights.

Data-driven milking

With the data, insights, and analysis provided by Lely Horizon, you control milk quality, milking completeness, and cow performance. Customize milking schedules and feed access based on lactation data to ensure the best results for your farm. Adjust settings independently or consult your Farm Management Support Advisor.

Smart decision-making

Based on smart algorithms and AI, Lely Horizon provides you with proactive decision support advice

that helps you optimize your farm. Accept the advice or take a different course of action based on your personal needs and goals. Enable automatic optimizers to ensure the best robot settings for each cow.

Predict and plan

For optimal farm management, you need as much information as possible to make the right decisions. Lely Horizon combines current data on health, milking, and more with predictive insights like milk yield and herd planning to help you make informed decisions for both today and the future.

Simple and straightforward control

The user-friendly software is used by more than 25,000 farmers worldwide. Lely Horizon offers personalization options, such as setting Key Performance Indicators (KPIs) and farm tasks on the dashboard, allowing you to always have quick access to the information most important to you. Define user roles to ensure data security and confidentiality.

More control than ever before

Health management

Health management becomes more efficient with Lely Horizon. While an international disease database is utilized for informed treatment plans, Lely Horizon helps you identify which cows need attention and assists with health-related decision-making through task-based notifications and treatment insights.

Cow performance

Optimise the performance of each cow, supported by Horizon, with insights through KPIs, widgets,

reports, and analysis. Lely Horizon continuously monitors each cow's performance, supporting finding improvements in overall cow performance.

Reproduction management

Lely Horizon offers in-depth insights into the reproductive health of your herd. It predicts and highlights reproductive opportunities, providing guidance on when cows can be inseminated at the optimal time for conception.

Stay ahead of your future

... with your local Lely Center

Major steps like investing in new milking equipment start with a thorough and smart plan. Contact your local Lely Center experts to discuss your ideas.

The QR code will lead you to your local dairy experts in just a few steps. **We look forward to seeing you so that we can move your dairy farm forward together.**



Contact your **local
milking experts**

The way to dairy.™



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