

THE NEW HYBRID ARM

The way to dairy.™



The hybrid arm is exactly where it needs to be!

The hybrid arm of the Lely Astronaut A5 has proven itself to be the smartest solution for taking care of the milking process. It remains underneath the cow during the whole milking process and quickly reacts fast when a teat cup falls off, keeping it sanitary. The arm follows the cow via the TDS-II laser, allowing maximum freedom of movement in the box.

The hybrid arm of the new Astronaut A5 combines the advantages of electrical driven movements with the softness and power of air. A large pneumatic cylinder carries the weight of the arm, while electrical components move the arm with great accuracy. The air in the system balances the heavy load of the arm and buffers cow kicks, protecting the electrical system.



Cow-friendly

- More rest through quiet operation
- Easier milking through accurate and swift attachment
- Suitable for every cow due to the robot arm's wider reach



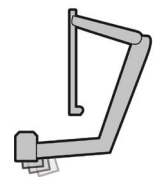
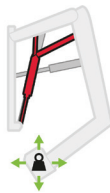
Energy-friendly

- Very little energy usage when the arm is in position
- No air use while moving
- Faster positioning through the most accurate drive



User-friendly

- Easy first milking due to the new control panel and arm accuracy
- More comfort through quiet operation
- Less and easier maintenance due to better accessibility



Large arm reach – fits all cows

The design and shape of the hybrid arm enables the Astronaut to milk any teat on any udder on any size cow. The redesigned arm and pivot points ensures an optimal upright position of the teat cups for a large area. This is the key to fast and accurate attachment.

The perfect balance saves energy

The hybrid technology of the arm saves energy. Because the weight of the arm is transferred to a large pneumatic cylinder, the electrical drivers require very little power to move the arm. A thought-through system ensures this easy movement for all arm positions.

Safety first

Nervous cows have a very powerful kick. The Astronaut's arm is able to handle this by absorbing the kick through a hinging system in the arm, which has two gas springs. This system gives way for the arm to move, saving the cow and sparing all electrical components. The arm will always return to the milking position by itself.