



SPECIALISTS IN MANURE DISPOSAL TECHNOLOGY

- fully automatic
- suitable for virtually any type of barn
- animal friendly



JOZ -Tech

JOZ-TECH ROBOTIC BARN CLEANER



JOZ-Tech robotic barn cleaner

The JOZ-Tech robotic barn cleaner is a fully automatic manure disposal robot for dairy farms. This robust system enables easy programming of multiple cleaning routes. The animal friendly JOZ-Tech moves at a controlled speed and cleans even the smallest corner of the manure alley. The robot follows transponders and knows exactly where they are located in the barn.

The robot has two maintenance free batteries. Electricity and/or water recharging takes place automatically at a charging station, which can be placed in the barn out of reach of the cows.



Suitable for virtually all barns

The JOZ-Tech is suitable for virtually all cubicle barns. Large surfaces such as waiting rooms and intersecting alleys are no problem. The two maintenance free batteries have an operating capacity of +/- 18 hours, which are automatically recharged. The JOZ-Tech can turn on its own axis and this manoeuvrability allows easy cleaning of even the narrowest manure alleys and intersecting paths.



Multiple cleaning routes

The fully automatic manure disposal robot can be programmed to clean various routes. This is less labour intensive for dairy farmers because specific routes, such as more frequent cubicle and feed barrier routes, can be programmed to take place at certain periods throughout the day. In this way, it is possible to clean every part of the barn at specific times, for example, the waiting room after milking, and after feeding the JOZ-Tech is not routed to the feed barrier. Programming is easy and is required to be carried out only once per route. Transponders in the floor ensure that the robot continues to follow the right track and that it moves regularly over a fixed reference point. This makes cleaning of wider alleys or waiting rooms where the JOZ-Tech operates without wall or beam guidance (free movement) unique.





- cleaner and dryer claws
- cleaner cubicles
- less labour intensive
- cleans the entire grid surface
- high capacity, very robust

Water-spray device

Ideal for optimum cleaning of “dry” sections in the barn. The water-spray device* is automatically filled at the charging station and water is sprayed where necessary through the front and rear nozzles.

Lifting device

Unique lifting system programmed to enable the slide mechanism to travel smoothly over alley intersections or for going up or down a steep slope. robot continues to follow the right track and that it moves regularly over a fixed reference point. This makes cleaning of wider alleys or waiting rooms where the JOZ-Tech operates without wall or beam guidance (free movement) unique.



Animal friendly

The silent operation of the JOZ-Tech makes it an extremely animal-friendly system to which the cows become quickly accustomed. Furthermore, this robust robot is fitted with a unique JOZ cow safety system.



A barn with few or no obstacles

An important advantage of the JOZ-Tech is that undesired obstacles such as “guider beams”, manure scrapers, corner units or manure remains are no longer found in the barn. This promotes an animal-friendly environment. Moreover, the software of the JOZ-Tech wireless can be read by JOZ. This will enable JOZ to immediately identify the problem in the event of a malfunction and provide the solution.

* Water-spray device only possible on JT100





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Technical data

JOZ-Tech

Width : 730 mm (excl. slide mechanism)
Length : 1430 mm
Height : 640 mm
Weight : 460 kg

JOZ-Tech spray

Width : 950 mm (excl. slide mechanism)
Length : 1400 mm
Height : 650 mm
Weight : 495 kg (excl. water)

General

Width of slide mechanism: variable (100-210 cm)
Propulsion : Electric motor
Batteries : Power: 165 watt
Capacity : 2x12V; 110 A/h
Sliding capacity : Standard JOZ-Tech
10,800 m²/ day maximum



Water-spray device

The water-spray device has the following specifications:

- Special water tank mounted on the left and right sides of the machine. Total capacity approximately 80 litres
- Front and rear sprays are independently adjustable
- Special charging station, which automatically fills the water tank
- Maximum lifting capacity of 7 cm
- Maximum slope angle of 10 degrees
- Suitable for alley intersections and for travelling up and down steep slopes

Lifting device

- Maximum lifting capacity of 7 cm
- Maximum slope angle of 10 degrees
- Suitable for alley intersections and for travelling up and down steep slopes

* Water-spray device only possible on JT100