Smart feeding with the feed pusher robot

Meet the Moov 2.0

Feed more smartly with JOZ

The heart of circular farming is the feeding process. Frequently pushing roughage means less work for you and a positive effect on the health of your cattle.

JOZ now has an improved smarter feeding solution. The Moov 2.0, a fully automatic feed pusher robot that is suitable for any barn. The Moov 2.0 shoulders the burden of pushing feed at fixed times. JOZ is therefore actively helping farmers and livestock both behind and in front of the feeding fence in the barn.

NEW!

JOZ Made in Holland

Circular
Farming

The future

Smarter feeding

Filtering manure

Clearing manure

Bedding

Separating manure

Nitrogen buster

Soon more

Moov 2.0

Barn-E

Separator

Moov 2.0

Fully automatic
feed pusher robot

Moov 2.0

Switch to automatic feed pushing? The advantages include always having fresh feed at the correct distance from the feed fence, healthier livestock, and more time for yourself.

Type of robot

The Moov 2.0 is JOZ's latest feed pusher robot. It follows routes through the barn fully automatically. It pushes the feed towards the feed fence 24/7, so that your livestock always has access to fresh roughage. This prevents problems with the front claws and withers, among other things, as your cows no longer have to stretch out to reach the feed.

The feed pusher robot is a big help during the day, but at night it really comes into its own. While you enjoy a good night's sleep, the robot automatically pushes the roughage. As a result, the lower ranking cows can also access fresh feed 24/7. All this ensures higher feed intakes and better milk yields.

Each barn is unique, so every farmer will have different ideas about using the Moov 2.0. To help, 3 models are available:

- Standard model
- Model with skirt lift function
- Model with skirt lift function and door opening function

Operation

The Moov 2.0 starts its route from the charging station. This charging station can be placed either inside or outside the barn. You can programme and adjust the routes of the feed pusher robot yourself. This allows you to set an unlimited number of routes for various groups of livestock. The robot relies on transponder technology to define its position. These transponders are drilled into the floor and neatly concealed, so they don't form any obstacle to any other activities in the barn.

> Characterised by its
> robustness, weight and
> smart drive technology

The smooth stainless steel drum of the Moov 2.0 is electrically powered, and works neatly. The new robot is characterised by its robustness, weight and smart drive technology, and the way it deals with uneven quantities of feed by the fence. The heavy robot can rotate left and right as standard, so it can return along the same route when it reaches the end of the feed alley. This makes it even easier and more efficient to determine the routes to be taken.

The Moov 2.0 is also suitable for large barns, as it can move at a speed of no less than 12 metres per minute. The robot's wheels are powered by two motors with efficient hypoid gearboxes. Special profiles on the wheels and a large absorbent castor at the front of the robot maximise grip in the barn.

Obstacles

If there is an obstacle in the barn or a height difference, no problem, as the Moov 2.0 is fitted with a lift function. The drum can lift its skirt to a height of 70 mm, allowing the robot to pass uneven parts of the floor with ease. This also keeps the skirt clean, and guarantees a hygienic working environment for the robot. Lifting the skirt also makes it easier to ascend and descend slopes. A slope of up to 15% presents no problem.

As a farmer, you may be absent from the barn or working on other activities, so you cannot always open the door to allow the robot to enter or exit. To solve this, JOZ has introduced the door control option. The J-Link Pro opens and closes electric doors automatically, giving you even more flexibility in your work.

Scheduling

Not every group of animals is fed the same amount, so the times that feed is pushed may vary. The software in the Moov 2.0 allows you to introduce special schedules for all kinds of situations. These might be:

> A 2-day schedule for those who feed once every 2 days
> One shot: for those who feed at irregular times
> Delayed start time: for feeding earlier or later
> Parking function: park the robot outside during feeding
> Pause/play function: pause the Moov 2.0
> Jumpstart: the route is continued without returning to the charging station

Animal health

If you want to improve animal health, automatic feed pushing can be a big help. It starts with young stock, where the availability of roughage ensures the rumen can develop properly. Eating smaller portions of feed with the same composition more often creates a stable pH (5.8 - 7).

Healthy animals have higher fertility. This requires a good balance between nutrition, energy and health. The availability of fresh roughage plays an important role here. With the Moov 2.0, you ensure plenty of regularity, and keep things in balance.

This is something we can observe when cows are in the dry period. A good dry period is the basis for problem-free calving, and milk production getting off to a good start. A stable pH is also essential during this period.

JOZ Management System (JMS)

The Moov 2.0 connects to the J-Link Pro in the barn, which exchanges data with the JOZ Management System. The Moov 2.0 can be monitored remotely by both the farmer and the dealer 24/7 with the JMS, just like the new robot's predecessor. It's really easy to use, and improves the quality of service provided by JOZ. You can have the software updates performed automatically if desired.

In addition, you can change the route timetable or adjust other specific route settings via the JMS. You will receive a text message or e-mail if the robot has not completed a route, if the battery is low, or if a service is required.

In short

- ✅ 24/7 access to fresh food
- ✅ Higher feed intake
- ✅ Higher milk yields
- ✅ Higher farm profits

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