

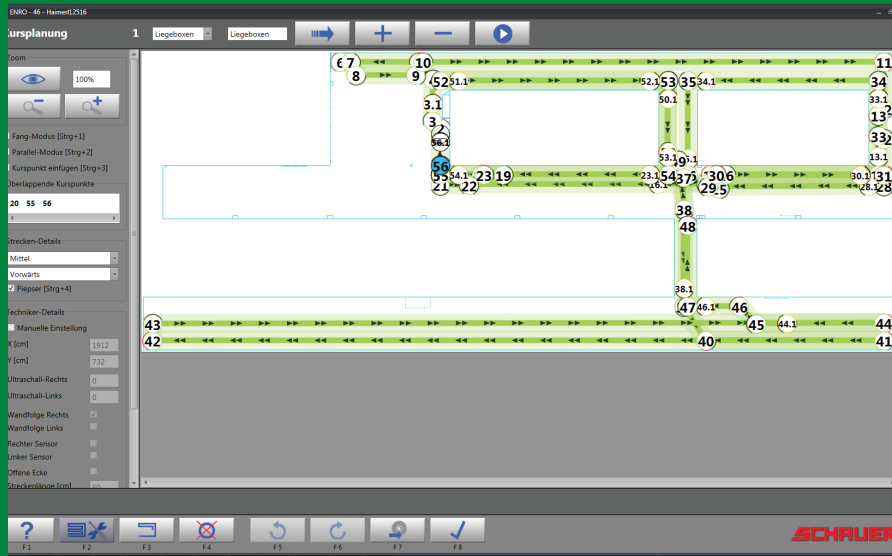
ENRO - *Dung removal robot*



For the optimum level of hygiene in your cattle shed



ENRO - Dung removal robot



with PC route planning for the easiest operation

Hoof and udder hygiene is an important factor for healthy and effective dairy cows. It is also an important requirement for AMS operations in order to guarantee fault-free operations and a highly productive throughput. In this area, dung removal robots have proven their value on walkways with slatted flooring. The new Schauer ENRO dung removal robot finds its way with improved sensors and is also dead easy to programme with route planning on the PC.

ENRO is a mobile, autonomous dung removal robot of the new generation for slatted flooring. Its improved functionality is based on innovative, high-tech sensors and forward looking operating software.

Active navigation pursuant to the route plan through wall tracking mode and dead reckoning to determine positions within a clearing area, leading to an appreciable improvement of the navigation safety and the daily operations.

- Interpretation of the sensor values to find paths and localise obstacles
- Avoidance of obstacles and return to the planned route

Route planning on the PC:

no time-consuming programming needed in the dirty area of the pen. New routes are extremely easy to create with the intuitive graphical user interface. Changes of route can be completed quickly with just a couple of mouse clicks, and do not require any time-consuming repetition of the programming in the pen.

- Manual adjustment of the route guidance and trip parameters (speed, beeper,...) with operating software
- Possibility of simulating the planned routes
- Better animal health due to targeted cleaning routes

Variable trip speed:

Approx. 0.18 - 18 m/min

Wireless remote control (optional):

for manual steering without entering the animal area

Battery management:

condition monitoring for longer service life and gentle charging

Design advantages:

- Low construction height: with its height being less than 41 cm, the robot is able to drive underneath separating grids
- Does not get stuck in corners and optimum clearing of inaccessible areas
- Traction tyres reduce slippage to a minimum
- Pendulum suspension to compensate for uneven surfaces

Technical data:

Drive system:	2 electrical motors
Power supply:	24 Volts (60 Ah)
Clearing speed:	0,18 - 18 m / min
Clearing width:	1100 mm
Weight:	450 kg
Size l x w x h:	1100x1200x400mm



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PERFECT FARMING SYSTEMS

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