

ManuRob

PRESS RELEASE

ManuRob – Who Are We?

ManuRob was founded in 2018 to explore automation and robotics in agricultural handling. The company is part of the M-Extend Group and benefits from its experience, resources, and commitment to sustainability.

To assist farmers in reducing their workload with handling tasks, particularly repetitive operations, ManuRob developed and produces Loadix, an autonomous, versatile, and fully electric handling robot designed for agricultural applications such as biogas, with the ability to learn new tasks in the future.

Features of Loadix:

Autonomous:

- Performs tasks independently (only requires task planning via an app).
- Operates on all stabilized ground types (is not limited to tarmac or concrete surfaces).
- Switches implements autonomously based on the task.
- Returns to the charging station on its own and calculates the optimal time for recharging.

Versatile:

- Designed to load and transport bulk material from point A to point B.
- Highly suitable for biogas plants.
- In the future, ManuRob plans for Loadix to also be able to clean agricultural facilities and feed animals.

Electric:

- Zero CO2 emissions.
- Noise reduction



An entirely new concept

ManuRob is proud to unveil Loadix, the first advanced electric, autonomous handling machine designed to revolutionize agricultural operations. Fully autonomous, Loadix performs a wide range of tasks on its own, including autonomous tool changes, eliminating the need for human intervention beyond task planning and maintenance. While it operates autonomously, it also features a manual control mode via remote control for added flexibility. As a fully electric robot, Loadix operates emissions-free and can autonomously return to recharge when needed, ensuring maximum efficiency and sustainability.

Designed with agricultural applications in mind, Loadix is particularly suited for repetitive handling tasks on farms. A prime example is its role in loading intake hoppers for biogas plants. Loadix is an adaptable and evolving robot, with plans to extend its capabilities in the future, to include tasks such as animal feeding and more.

Loadix's robust four-wheel drive system allows it to operate on a wide variety of surfaces. It excels on paved and concrete areas, as well as on stabilized paths with potholes or inclines, ensuring reliable performance across various terrains. With a lifting height of 4.10 meters and a load capacity of up to 2 tons, Loadix is engineered to meet the demanding needs of modern agricultural operations.

Availability

Currently in the introductory phase, ManuRob is rolling out pre-series models of Loadix in France and Germany. The commercial release is planned for the end of 2025.

About ManuRob

ManuRob is at the forefront of developing innovative solutions in agricultural robotics, aiming to help farmers optimize their handling operations while reducing environmental impact. As a part of the M-extend group, ManuRob benefits from their expertise and dedication to making handling work easier for farmers.



ManuRob
part of M-extend