FJDynamics

Farm Concepts

FJD RM21

ROBOTIC MOWER

FJD RM21

The FJD RM21 Fully Autonomous Lawn Mower is the perfect solution for professional lawn care providers who demand efficiency and reliability. Designed for multiple scenarios, including sports fields and orchards, the RM Series features an intelligent control system, pure electric drive, and a large-capacity battery to maximize mowing efficiency, save time, effort, and cost. The pure electric design eliminates oil leaks and grass damage.

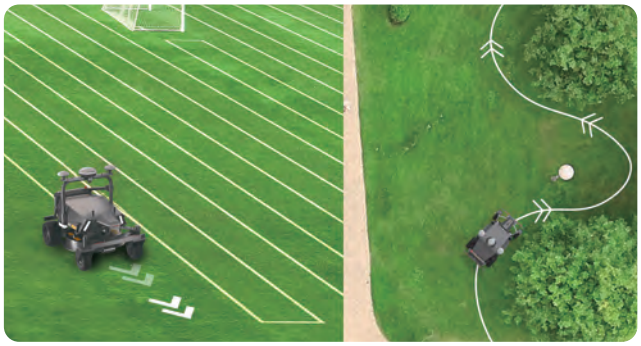
TECH-DRIVEN LAWN CARE REIMAGINED

Accurate and efficient mowing

With centimeter-level positioning accuracy, our mowers can precisely cut grass, reducing the need for overlap or missed areas. This results in faster and more efficient mowing.

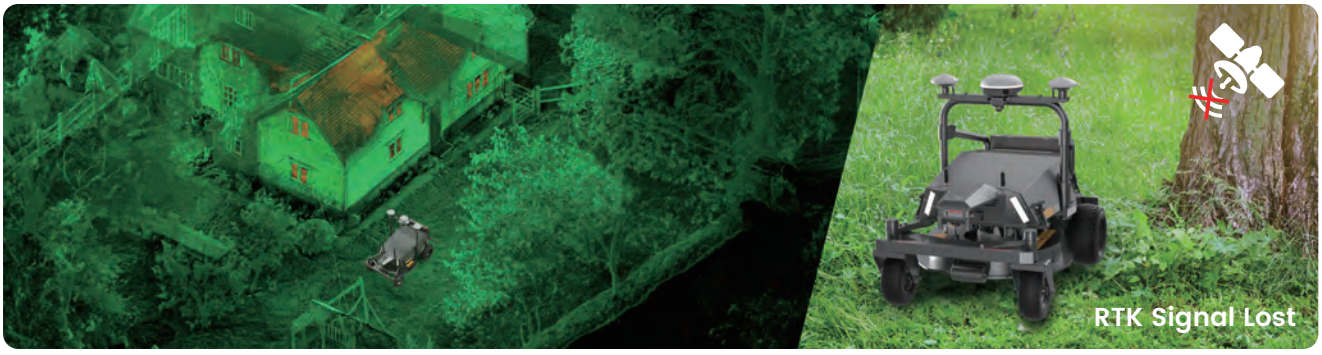
One-click multi-field management

Our mowers can be used to mow multiple fields in a single task. This saves time and effort, making it easier to manage your property.



Smart route planning

Our mowers use built-in obstacle avoidance to automatically plan mowing routes. This helps to prevent collisions and damage, making mowing safer and easier.



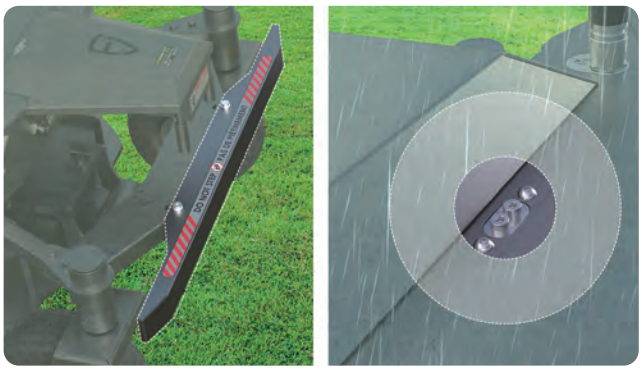
Automatic mowing on complex terrain

Our mowers use LiDAR tech to create a 3D cloud point map of the terrain. This allows them to safely mow in complex areas, such as under trees or around obstacles.

PROTECTION MEETS INNOVATION

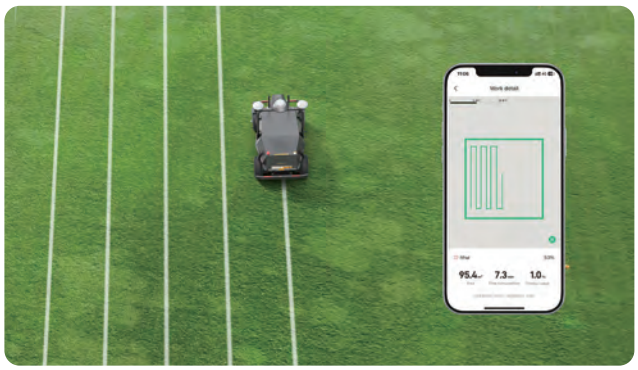
360° real-time obstacle detection

Uses LiDAR to detect surrounding obstacles without blind spots, with three distance modes to choose from, ensuring safety.



Comprehensive Protection

Our mower safeguards itself with collision bumpers and rain monitoring. We've got every angle covered for a safe and flawless operation.



Make Mowing Easier and Smarter

Our lawn mower app makes mowing easier and smarter by giving you the power to control your mower anytime, anywhere.

RELIABLE PERFORMANCE

No more battery anxiety

Automatically returns to the charging station for charging when the battery is low, without manual intervention, significantly improving work efficiency.

No more worry about climbing hills

Climbing ability up to 20°, can handle more complex and changeable terrain.

APPLICATION SCENARIO

SPECS

Weight (with 2 batteries)	375 lb/170 kg
Dimensions	L52×W34×H40 inch L1330×W857×H1012 mm
Number of Blades	1
Cutting Height	0.8–5 inch/20–127 mm
Cutting Width	25 inch/63 cm
Battery Capacity	4 kWh
Battery Voltage	48 V DC

Ground Speed	0–3.7 mph/0–6 km/h
Max Operation Area per Three Days	22 Acres/90000 m^{2*}
Max Operation Area per Charge	3.2 Acres/13000 m^{2*}
Average Working Time	5 h
Maximum Gradeability	≤20°
Charging Time	5 h
Waterproof	IPX4

*Working area capacity is variable due to grass type, soil, cutting height and slope.

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CREATE FOR A BETTER WORLD

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