

## FJD RM21 Robotic Lawn Mower

### Exceptional mowing precision

RM21 uses centimeter-level positioning (RTK + LiDAR).

### Automatic mowing on complex terrain

Automatically detects terrain, obstacles, and trees, ensuring safe mowing even on complex surfaces.

### Smart path planning and multi-zone management

Enables automatic optimal path planning and simultaneous multi-area control with one click.

### Advanced safety and protection

Equipped with 360° obstacle detection, collision and lift sensors, and rain protection.

### Reliable performance and automatic charging

Automatically returns to the charging station when the battery is low and continues working afterward. Handles slopes up to 20°, enabling smooth operation on uneven terrain.

### Full control via mobile app

Allows management and monitoring through a mobile application.



Dimensions (W × D × H)	853 × 1330 × 980 mm
Weight	170 kg
Max Mowing Area per Charge	13.000 m <sup>2</sup>
Charging Time*	300 min
Battery Performance	300 min
Battery Capacity	4 kWh
Cutting Height	30–127 mm
Speed	0–6 km/h
Max Climbing Ability	≤ 20°

## LM01 ADD-ON Line Marker Kit

In combination with the LM01 Line Marker Kit, the RM21 robotic mower enables precise, fast, and fully automated sports field line marking.

### Up to 50% Lower Paint Consumption

The optimized spraying system reduces paint consumption and overall operating costs.

### Up to 90% Lower Labor Costs

Automation significantly reduces the need for manual line marking.

### Up to 20 Fields per Single Refill

With one refill, the robot can mark multiple standard sports fields.

### Automatic Work Resumption

When switching fields or refilling paint, the robot resumes work exactly where it left off.

### One-Click Operation

Control via mobile application.



Dimensions (W × D × H)	1515 × 853 × 1051 mm
Weight	68 kg
Maximum Marking Speed	3 km/h
IP Rating	IPX4
Paint Tank Capacity	25 l
Line Width Range	50–170 mm
Nozzle Height	30–80 mm
Operating Temp.	5–35 °C
Operating Time	*up to 20 h

## GC01 ADD-ON Grass Collector Kit

In combination with the GC01 Grass Collector Kit, the RM21 robotic mower enables a fully automated turf maintenance process: mowing, grass collection, and debris removal.

### Up to 150 L Collection Capacity

The large collector ensures efficient collection of grass, leaves, and other debris.

### Automatic Collection and Emptying

During mowing, the robot collects cut grass or performs independent cleaning after mowing.

### Cleaning of Natural and Artificial Turf

Effectively removes grass clippings, leaves, and other debris from sports surfaces.

### Applications

Sports fields, artificial turf, and golf courses.

### One-Click Operation

Control via mobile application.



Dimensions (W × D × H)	1260 × 960 × 740 mm
Weight	100 kg
Maximum Travel Speed	3 km/h
IP Rating	IPX4
Maximum Collection Volume	150 l
Grass collection height	20–50 mm
Grass Collection width	800 mm
Climbing Ability	8°
Operating Temperature	0–45 °C

## BP01 ADD-ON Ball Picker Kit

In combination with the BP01 Ball Picker Kit, the RM21 robotic mower enables fully automated collection of golf balls on practice areas.

### Automatic Golf Ball Collection

The robot independently collects golf balls across the entire practice area.

### Automatic Return

When the basket is detected as full, the robot automatically returns to the unloading station.

### Lower Costs and Higher Efficiency

Fully autonomous ball collection reduces the need for manual labor.

### Applications

Golf courses.

### One-Click Operation

Control via mobile application.



Dimensions (W x D x H)	1480 x 1120 x 590 mm
Weight	70 kg
Collection Width	900 mm
Number of Baskets	2
Capacity per Basket	400 golf balls

## DB01 ADD-ON

### Dew Brush Kit

In combination with the DB01 Dew Brush Kit, the RM21 robotic mower simplifies early-morning turf maintenance.

#### Automatic Brush Lifting and Folding

The brush automatically lifts and folds while moving, turning, or starting operation, preventing collisions and ensuring smooth operation.

#### Adjustable Brushing Direction

The brushing direction can be adjusted to ensure even dew removal.

#### Professional Playing Surface

A smooth and even surface ensures faster and more consistent ball roll, providing optimal playing conditions.

#### Applications

Golf courses.



Weight	28 kg
Brush Length	
• Single Section	1000 mm
• Three Sections	2930 mm
Brush Lift	Supported
Brush Folding	Supported