

FJD RCM01

Robotic Cylinder Mower



Perfection on Every Blade. Autonomy in Every Corner.

The FJD RCM01 Robotic Cylinder Mower delivers tournament-grade turf quality with high precision. Combining RTK and LiDAR for flawless navigation in any environment, it offers a fully autonomous and efficient solution to maintain world-class golf courses and sports fields.

Reliable & Efficient Operation



Scan Once, Automate It All

Map in minutes with the FJD P2 Scanner—no manual driving required. Create a digital asset shared across your entire fleet.



Nighttime Quiet Operation

Enable autonomous mowing at night, freeing up daytime hours for golf course activities and reducing distraction to players.



Professional Turf Performance



Precision Cutting

Achieve clean, scissor-like cuts with a reel system, minimizing leaf tearing and promoting healthier turf growth.



Professional-Grade Striping

Create clean, high-contrast stripes with precision roller blades. You can also customize striping widths to match your golf course's style.



Shape the Turf, Define the Look

Adjust the mowing angle to easily change the width and direction of the stripes. This lets you create neat, professional, and custom patterns on your turf.

Specifications

Complete Unit

Weight	365 kg (804.69 lb)
Dimensions	1905×1077×1077 mm / 75×42.4×42.4 in.
Software Update	OTA
Connectivity	4G, Wireless Connectivity
Operating Temperature	-20°C to 45°C (-4 °F to 113 °F)
IP Rating	IPX4

Mowing Capacity

Max Mowing Area*	24-Hour Max Coverage Area: 30,000m ² (7.4 acres) 72-Hour Max Coverage Area: 90,000m ² (22.2 acres)
Max Mowing Area per Hour	1,800m ² (0.4 acres)
Max Mowing Area per Charge	20,000m ² (5 acres)
Max Climbing Ability	20°
Max Mowing Slope	15°
Boundary Type	Virtual Wire
Cutting Mode	Customized Angle Mowing

Cutting System

Cutting Height	7-44 mm / 0.3-1.7 in.
Cutting Width	686 mm / 27 in.
Reel Unit Weight	65 kg (143.3 lb)
Reel Unit Dimensions	1000×370×350 mm / 39.4×14.6×13.8 in.
Reel Speed	300–2200 RPM
Number of Blades	1
Reel Diameter	177mm / 7 in.
Reel Width	685mm / 27 in.

Battery & Charging

Fast Battery Swapping	•
Battery Capacity	8 KWh
Battery Life	10h
Charging Time	5h
Rated Operating Voltage	48V

Positioning & Navigation

Positioning	RTK & LiDAR
NTRIP	•
FJD Base Station & CORS Station	•

Factory Configuration

Complete Mower	•
Portable Charger	•
Tablet	•
Bedknife*2	•
V4e Handheld Point Marker	•
P2 Scanner	○
FJD Base Station	○

*Calculated based on 24-hour use. The actual coverage depends on your specific working hours.

*○ Optional / ● Standard / - Unavailable



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