



FJDynamics

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



Fast Mapping

Create maps within minutes by using the FJD P2 Scanner — no need to drive the mowing robot to the field.



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 30,000m ² (7.4 acres) 72-Hour Max Coverage 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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Free Demo and Quote:

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The Northeast's Premier Dealer of FJDynamics robotic mowing
and line marking equipment.