



FJDynamics to Unveil RCM01 Robotic Cylinder Mower and Full-Process Digital Turf Solution at BTME 2026

SINGAPORE (January 9, 2026) – FJDynamics, a global robotics solutions company, is set to redefine precision turf care at the BTME 2026 exhibition. Catering to the rigorous standards of greenkeepers, FJDynamics will debut its "Full-Process Digital Turf Solution," headlined by the revolutionary RCM01 Robotic Cylinder Mower.

Moving beyond isolated tools, this solution integrates autonomous precision with a unified digital management platform. It offers greenkeepers a complete closed-loop system designed to deliver superior cut quality and operational efficiency across key aspects of course maintenance.

The Star Debut: FJD RCM01 Robotic Cylinder Mower

Making its premiere, this autonomous solution is designed specifically for premium turf scenarios. It combines the superior finish of a cylinder cut with the efficiency of unmanned operation.

- **Tailored for Golf Courses:** Featuring a Floating Blade Design, the RCM01 automatically follows terrain contours to ensure a consistent cut. It supports a precise cutting height adjustment from 7mm to 44mm, making it ideal for fairways and roughs.
- **Uninterrupted Navigation:** Powered by RTK and LiDAR fusion, it operates with high precision even under dense tree canopies.
- **Enhanced Experience:** Supports Nighttime Quiet Operation and Professional-Grade Striping, allowing users to customize stripe width and direction.

Revitalizing Fleets: MS200 Autonomous Mowing Kit

Transforming traditional ride-on mowers into autonomous units:

- **Smart Upgrade:** Compatible with major mower brands, equipping professional mowers with centimeter-level RTK navigation.
- **Labor Savings:** Reduces manual labor input by over 90% by automating complex maneuvers, including turning and precise edge trimming.

The Versatile Multitasker: RM21 Combo

Integrating mowing and line marking in one machine:

- **Dual-Function:** Configurable solution for mowing roughs and marking fields.
- **Efficiency:** Marks up to 20 full-size fields per charge, reducing paint usage by over 50%.

- **Precision:** Features "Seamless Spray Resume" to eliminate overlaps.

Compact Solutions for Every Corner

- **FR4000 Wire-Free Mower:** Industrial-grade RTK precision handling 33° slopes. With "Drop & Run" capability, simply move it to any disconnected zone to start mowing instantly—no charging station limits.
- **FJD PaintMaster™ Mini:** Weighing just 21.85 kg, this autonomous robot cuts labor costs by 90%+ and paint usage by 50%+. Powered by industrial-grade RTK, it marks a full standard 11v11 football field on a single charge with centimeter-level precision.

The Digital Foundation: N10 & P2 Infrastructure

Supporting the fleet is a robust digital infrastructure for precise positioning and mapping.

- **FJD Trion™ P2 LiDAR Scanner:** Enables "Walk-to-Map" efficiency. Users can capture high-precision 3D Point Clouds of complex terrains simply by walking.
- **FJD Trion™ N10 CORS System:** Provides a private, stable RTK network service, guaranteeing centimeter-level accuracy for the fleet.

The Central Hub: FJD GreenMaster Management Platform

Completing the closed loop is GreenMaster, a digital management platform that acts as the brain of the ecosystem to synchronize devices, maps, and tasks.

- **Centralized Device & Map Management:** Enables real-time tracking and status monitoring for all devices, coupled with online map editing and task dispatching—all in one centralized system.
- **Virtual Rehearsal:** Features an integrated simulator that allows users to rehearse marking paths virtually before execution. Verifying results in advance reduces errors and saves time.
- **Smart Mowing & Fleet Synergy:** Powered by Smart Path Planning, the platform enables multi-machine, multi-zone coordination. This ensures smart routing for efficient workflows, allowing operators to manage large-scale mowing tasks with speed and consistent quality.

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Notes to editors:

FJDynamics is a robotics solutions company focused on digitalization, automation, and new energy. We are committed to creating practical and affordable robots for labor-intensive industries and using our technology to drive digital transformation across those traditional industries for improved productivity and working environment. Today, our solutions are widely applied in agriculture, landscaping, construction, surveying, and facility services. As our business expands globally, we are excited to collaborate with partners and clients to create a better future for the world.