

FJD PaintMaster™ Mini

RLM02 Robotic Line Marker



Make Line Marking Easier Than Ever Before

FJD PaintMaster™ Mini is a smart and compact line marking robot with a sleek design that delivers centimeter-level accuracy and high efficiency. Equipped with an advanced handheld point marker, it allows you to map the field in minutes—no need to manually drive the robot on-site.

Fully autonomous operation saves hundreds of labor hours annually, making it a reliable and cost-effective solution for sports field managers who look for perfectly accurate results with minimal effort.



Lightweight & Portable



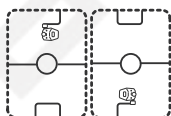
Quick and Easy Mapping



AI-Powered
Autonomous Marking



Swappable Battery
for All-Day Operation



Fleet Management &
Multi-Field Management



Vision-Based
Object Avoidance



GPS Anti-Theft



Real-Time App Monitoring
& Control

UNMATCHED LINE MARKING PRECISION

Feature industrial-grade RTK for stable, interference-resistant signals, ensuring every line is marked with pinpoint accuracy. It supports both local base stations and FJD N10 CORS System with professional NTRIP services, offering versatile signal solutions to meet high-precision marking needs across various scenarios.

Industrial-grade RTK for stable signal and strong anti-interference.



Local base stations for maximum precision.

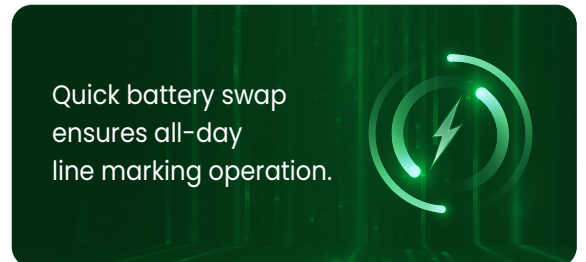
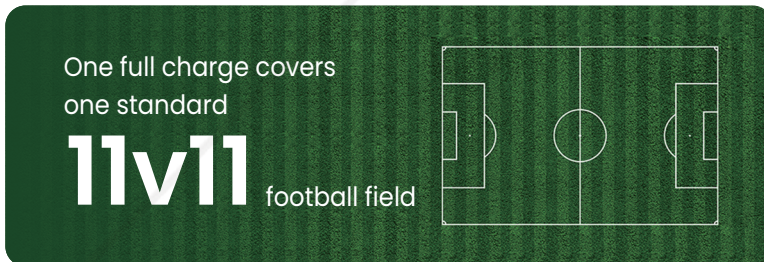


Support NTRIP mode provided by the FJD N10 CORS System.



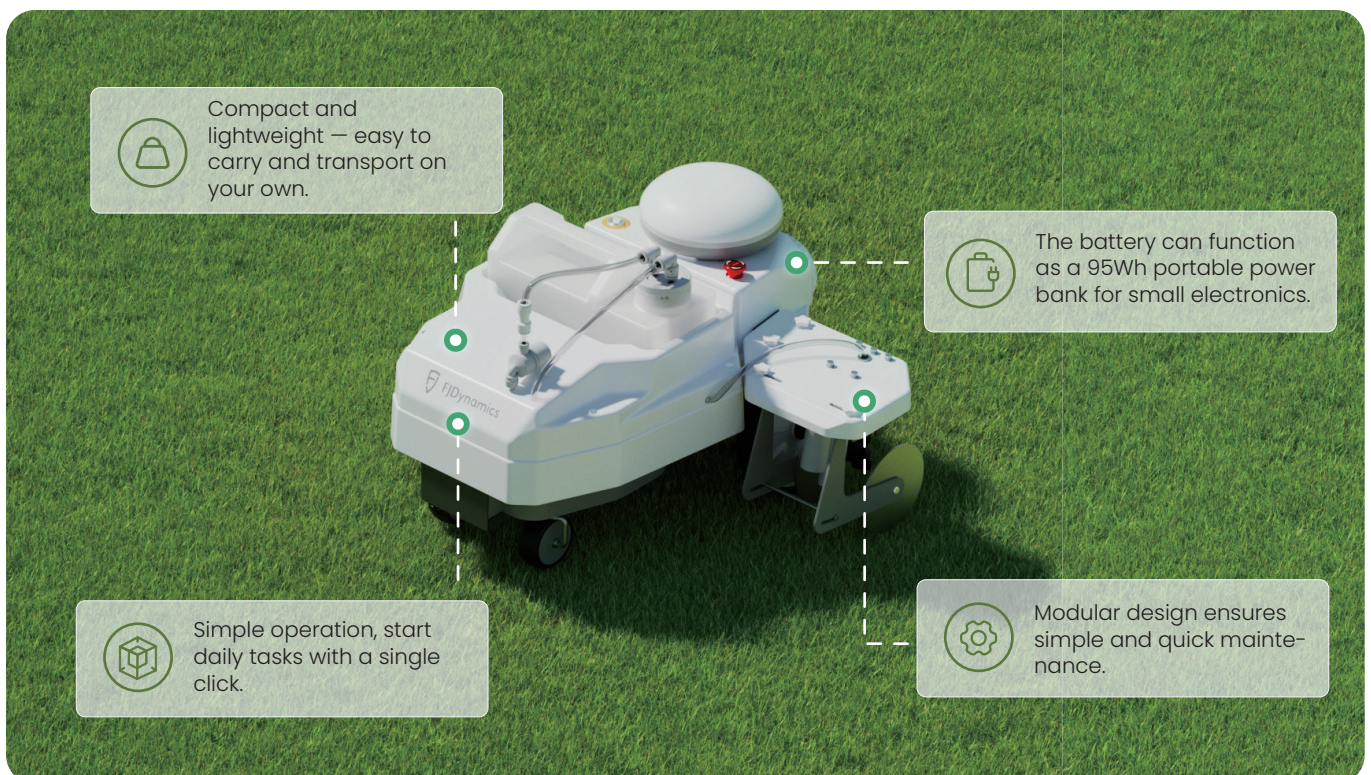
SAVE COSTS, INCREASE EFFICIENCY

Achieve perfect line marking with AI-driven accuracy—every time. Swap batteries in one click and keep working non-stop, all day long. Free up your time to focus on what truly matters.



LIGHTWEIGHT & EASY TO USE

Designed specifically for small to medium-sized sports clubs and organizations.



EASY MAPPING

Offer a portable handheld point marker to complete mapping in just minutes, reducing the need to drive the robot to the site.

Simple & Convenient

Portable design makes it easy to carry and enables mapping anytime, anywhere, free from site or traffic constraints.

Efficient

Create multiple maps at once for large-scale or multi-site mapping tasks, improving efficiency and saving both time and costs.

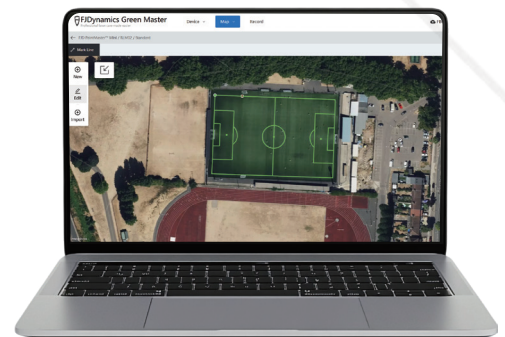
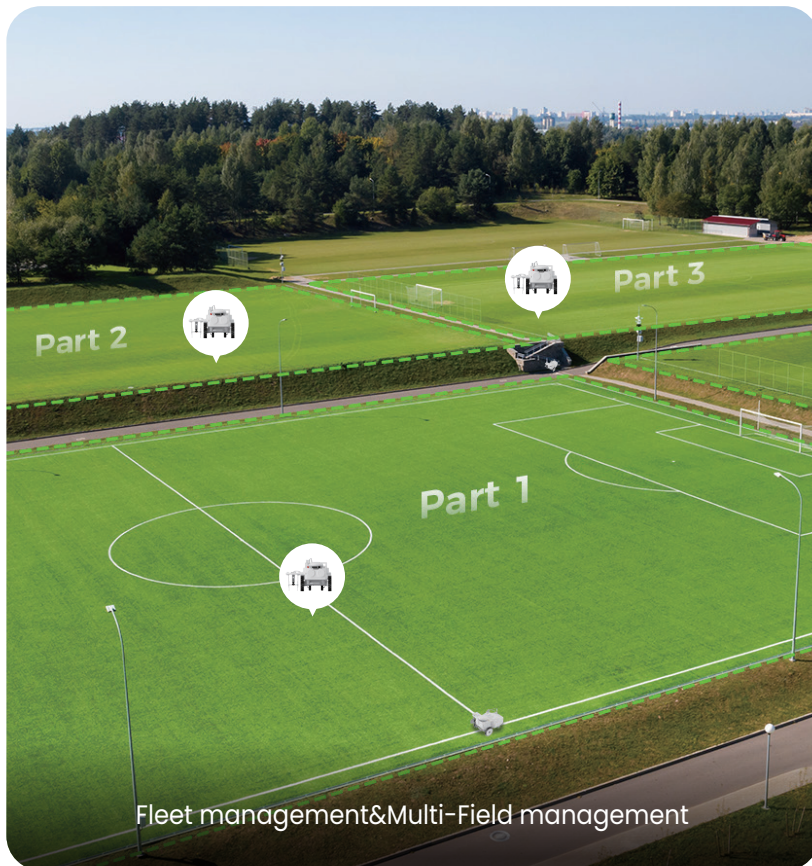
Cost-Saving

Reduce transport costs for the entire machine and labor costs for manual mapping.

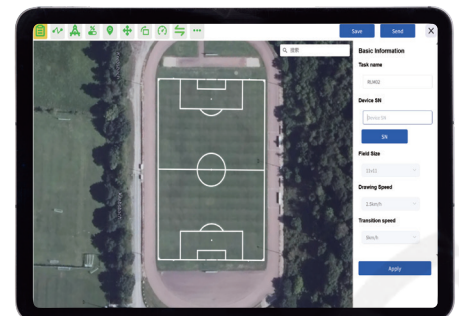


ENDLESS POSSIBILITIES, TAILORED TO YOU

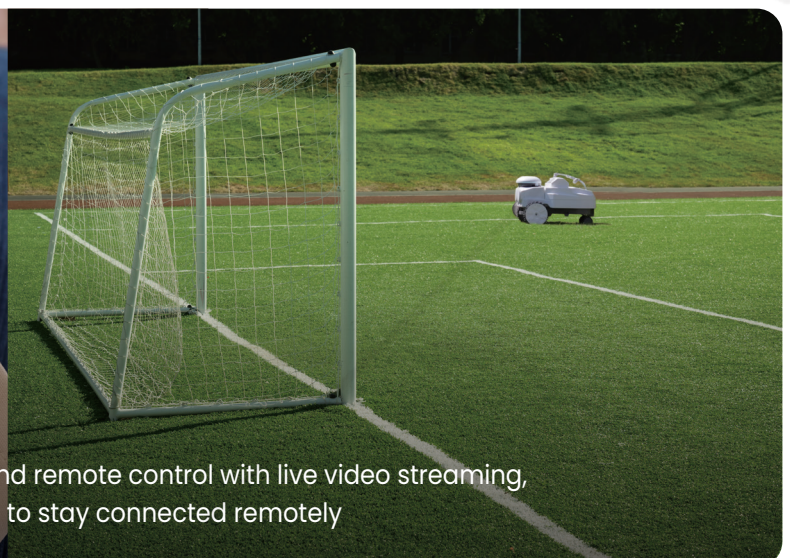
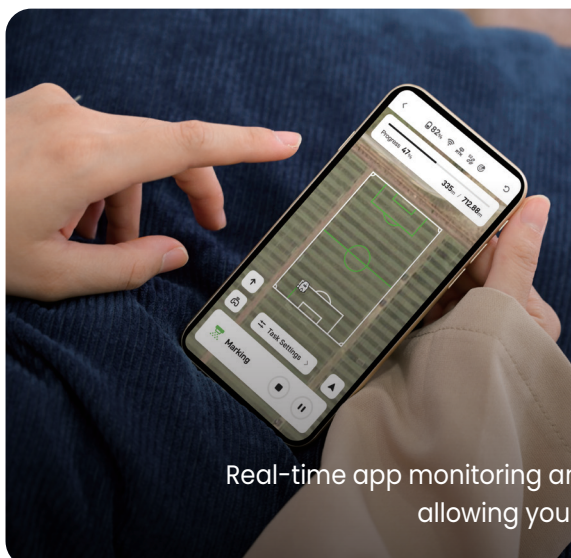
Support custom map designs as needed. Fleet management enables multiple robots to work across several fields at the same time for increased efficiency. You can also check progress and control robots remotely via the app without being on-site.



Customizable line
marking maps



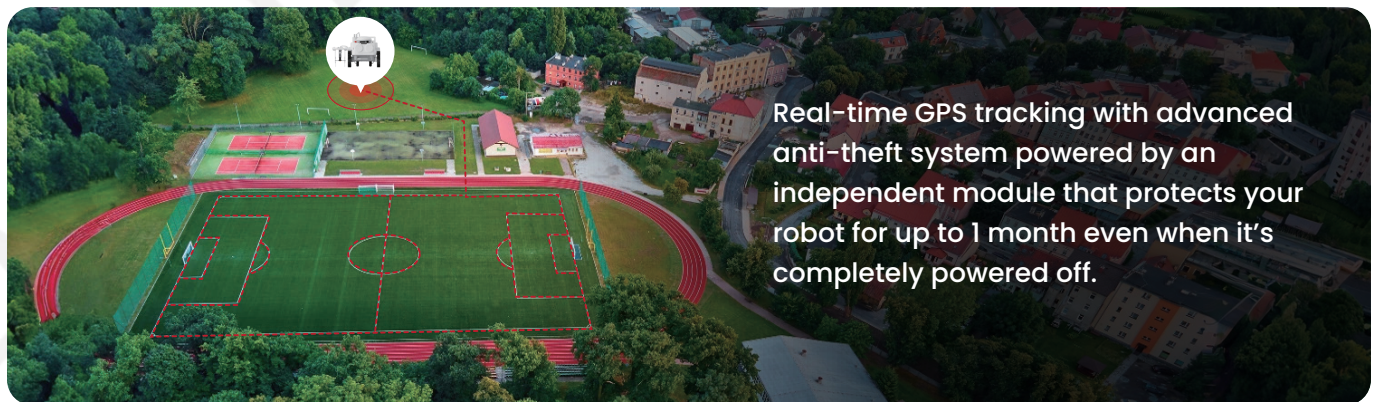
Cloud-based maps with online
editing and map distribution



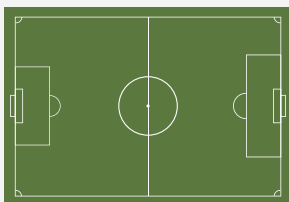
Real-time app monitoring and remote control with live video streaming,
allowing you to stay connected remotely

SAFETY & ANTI-THEFT

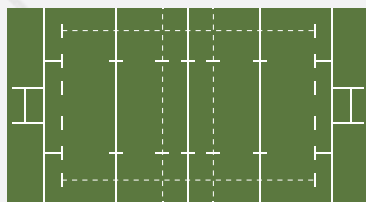
Combine real-time visual monitoring with physical anti-collision design to keep your robot safe during operation. Real-time GPS tracking and a comprehensive anti-theft system completely eliminate theft risks, ensuring secure line marking.



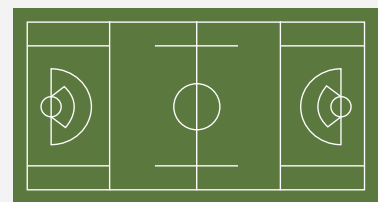
APPLICATION SCENARIOS



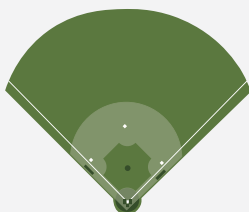
Soccer



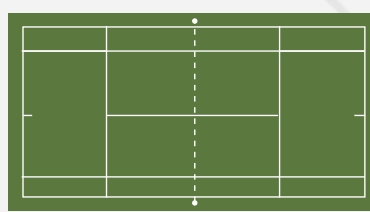
Rugby



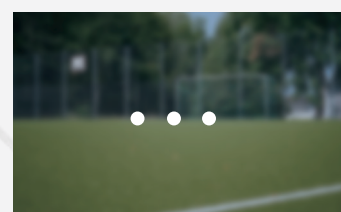
Lacrosse



Baseball

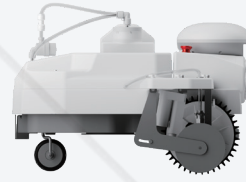


Tennis



Others

Specifications



RLM02

Weight (Excluding Paint)	21.85 kg
Dimensions	656x655x453 mm / 25.83x25.78x17.83 in.
Marking Speed	2 km/h
Line Width Range	5-12 cm
Paint Container	8L
Nozzle Height	3-8 cm
Standard Battery Capacity	190 Wh (2*95 Wh)
Battery as Power Bank	●
Fast Battery Swapping	●
Laser Kit	-
Battery Performance	1.5h
Charging Time	1h (with dual chargers)
Working Temperature	5-45 °C
IP Rating	IPX5

Standard Configuration

Main Unit	●
Battery	●
Charger	●
Paint Bucket	●
Tablet	○
Base Station	○
Handheld Point Marker	○
Independent Anti-Theft Module	○

*○ Optional / ● Standard / - Unavailable

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FJDynamics.com



CREATE FOR A BETTER WORLD

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