



FJD RLM01 ROBOTIC LINE MARKER

MAKE LINE MARKING EASIER

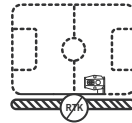
Start a new era of autonomous line marking on the sports fields with the AI-powered FJD RLM01! This robotic line marker delivers centimeter-level accuracy through dual industrial-grade GNSS receivers and a local base station. Paired with FJD's laser kit, it can also provide millimeter-level marking accuracy even in GPS-challenging areas, such as under trees or near spectator stands. The RLM01 can save hundreds of hours and tons of labor costs every year, making it a top pick for marking clear, crispy lines in various sports fields. With the RLM01, your field marking work becomes more efficient and accurate, ensuring that your sports fields are in great condition for each match.



Easy
Transportation



Convenient
Mapping



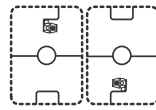
Precise Line Marking
Without RTK Signal



Fast Battery Swapping
7x24 Operation



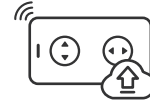
Local Base Station
No Precision Fluctuation



Fleet
Management



Multi-Field
Management



Real-Time
App Monitoring & Control

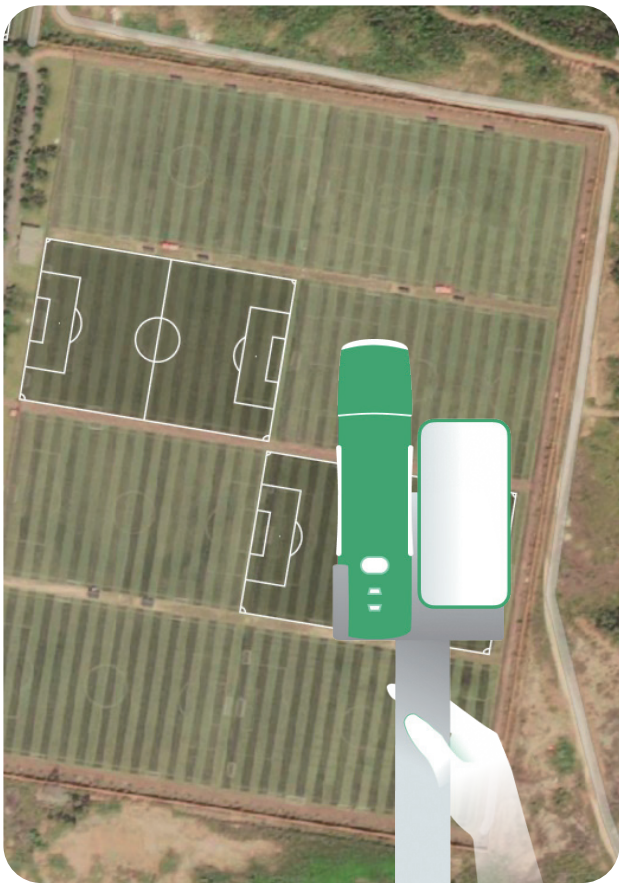
HIGH PRECISION FROM START TO FINISH

Provide stable signals with a local base station, ensuring that every line is marked precisely on point.

- Achieve the highest possible marking accuracy.
- Reduce the risk of signal drift with super stability.
- Save money by eliminating the need to purchase additional NTRIP accounts.

Support professional NTRIP provided by FJD N10 CORS station.





CONVENIENT MAPPING

Come standard with a portable handheld point marker, helping you complete mapping in a few minutes without driving a vehicle around the field for boundary confirmation.

- Carry around anytime, anywhere.
- Increase efficiency via multi-field mapping.
- Reduce costs in mapping and transportation.

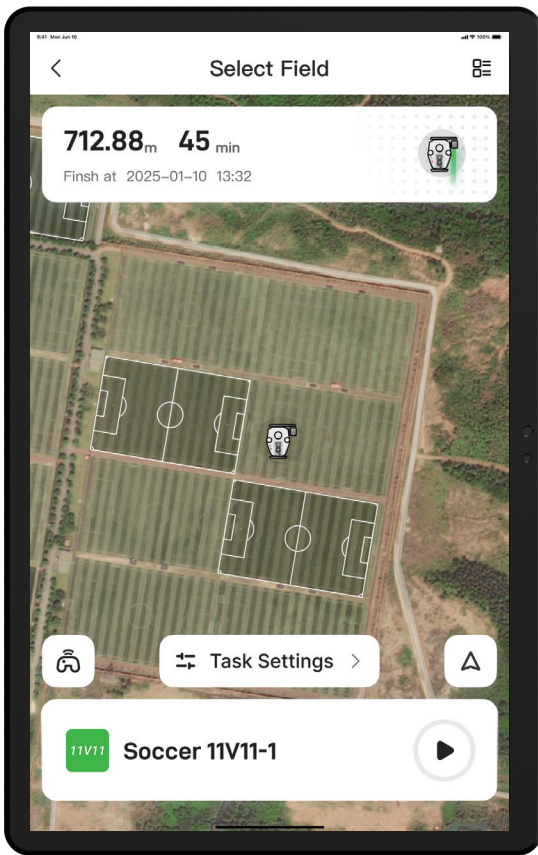
SAVE COSTS, INCREASE EFFICIENCY

Save labor costs
by up to
90%+

Reduce paint consumption
by about
50%+

0.5 kWh: 6 football fields (11v11)
1 kWh: 12 football fields (11v11)
Fast battery swapping
7x24 all-weather marking

Cover various
sports fields
from soccer, rugby, to baseball



USER-FRIENDLY SOFTWARE

- Allow for customizing marking maps based on your needs.
- Distribute maps to corresponding devices from the cloud platform.
- Support fleet management for marking with multiple devices at the same time.
- Switch to the next field automatically upon completing the current marking task when you have multiple fields to mark.
- Monitor marking status in real time and control marking operation and image feed remotely from the app without being on the field.

DESIGNED FOR CONVENIENCE

- Lightweight and portable design for easy transportation.
- Independent paint filling port for fast and convenient paint refills.
- Easy paint bucket change for faster pipeline cleaning.
- Standard tablet for easy control and convenient use.
- Removable structure makes it easy to repair and maintain.
- Versatile battery can be used to power other devices.



SAFE AND RELIABLE

Feature dual protection from real-time visual monitoring and front & rear bumper strips, keeping the machine and people safe during operation.



Come with a binocular camera for enabling automatic stop upon object detection during marking, delivering consistent performance even at nighttime.



APPLICATION SCENARIO



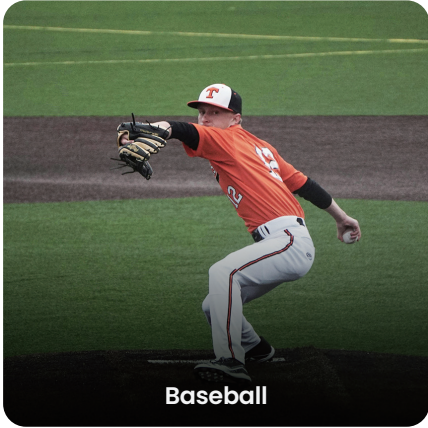
Football



Rugby



American football



Baseball



Lacrosse



Other

SPECS

Weight (Excluding Paint)	58.6 kg	Fast Battery Swapping	Supported
Dimensions	1068*1023*672 mm/42*40.3*26.5 in.	Base Station	Standard offering
Marking Speed	1-3 km/h	Operation Tablet	Standard offering
Paint Bucket Capacity	20L	Handheld Point Marker	Standard offering
Nozzle Above Ground	3-8 cm	Laser Kit	Optional offering
Standard Battery Capacity	0.5 kWh	Battery Life (0.5 kWh Standard Battery)	5h
Expanded Battery Capacity	1 kWh	Charging Time (0.5 kWh Standard Battery)	2h
Mobile Battery Energy Storage	Supported	Working Temperature	5-45 °C

*Note: FJDynamics has the final interpretation right on this product.

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