# FJD PaintMaster™ Pro

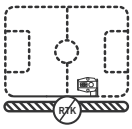
RLM01 ROBOTIC LINE MARKER

# MAKE LINE MARKING EASIER

FJD PaintMaster Pro is a truly intelligent line-marking robot for sports fields. It delivers centimeter-level accuracy through two industrial-grade GNSS positioning systems and a local base station. Paired with FJD' s laser kit, this robot also offers millimeter-level marking precision even in GPS-challenging areas, like under trees or near stands. With great savings on time and labor costs, this robot is a top solution for any sports fields.

Easy
Transportation

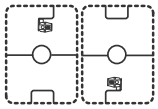
Convenient
Mapping




Precise Line Marking
Without RTK Signal

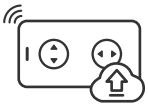
Fast Battery Swapping
7x24 Marking

Local Base Station
No Precision Fluctuation



Fleet
Management

Multi-Field
Management



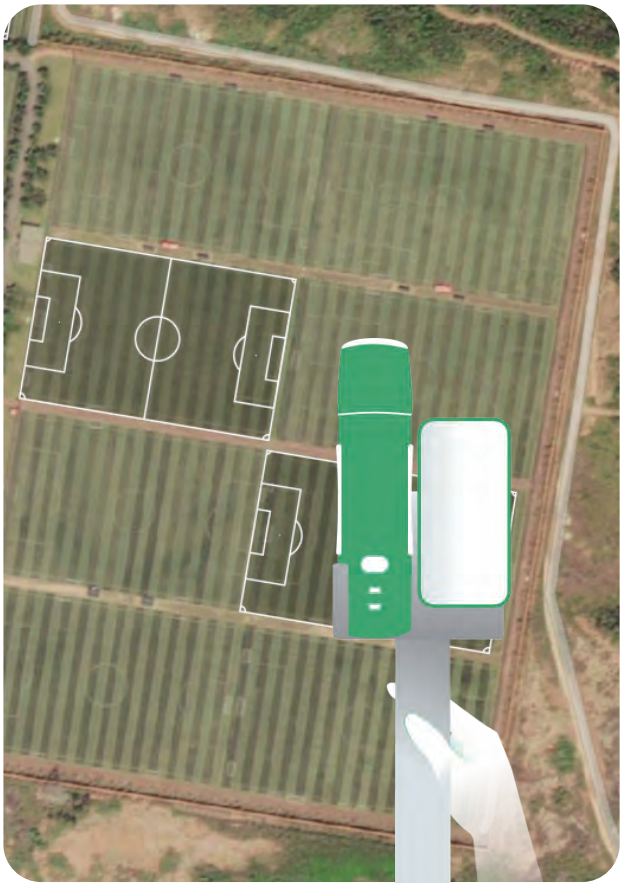
Real-Time
App Monitoring & Control

# HIGH PRECISION FROM START TO FINISH

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

- Achieve superior accuracy beyond manual marking
- Ensure perfect straight lines with super stability
- Save money by eliminating the need to purchase additional NTRIP accounts

Support professional NTRIP provided by FJD N10 CORS station.

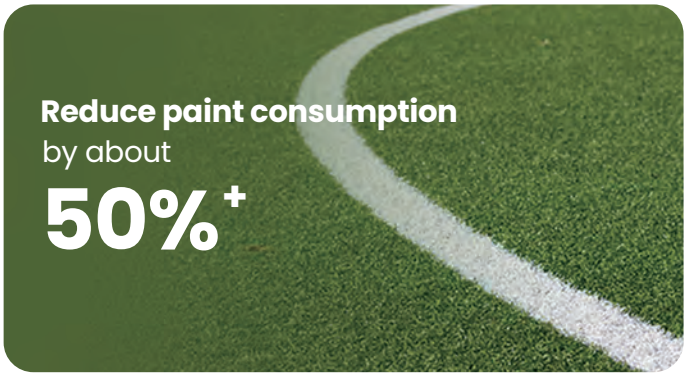


## CONVENIENT MAPPING

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

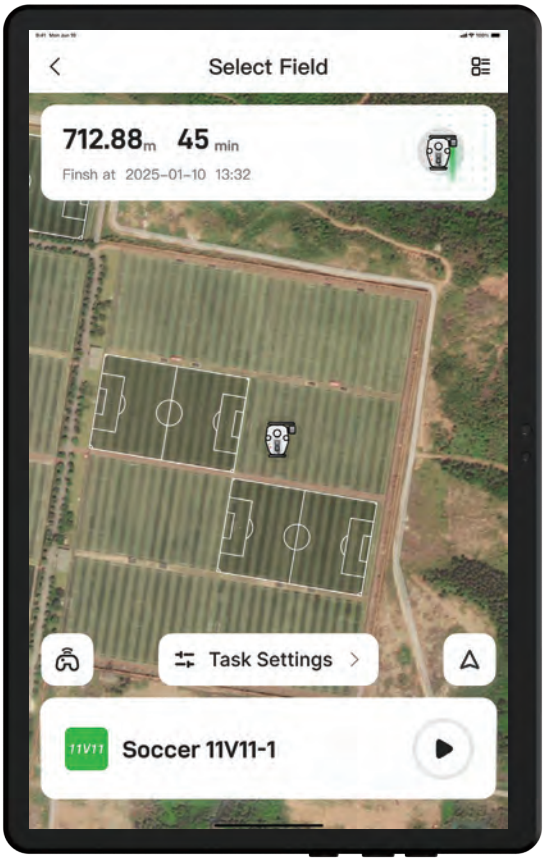



**0.5** kWh: **8** football fields (11v11)

**1** kWh: **16** football fields (11v11)

**Fast battery swapping**

**7x24** all-weather marking




# USER-FRIENDLY SOFTWARE

- Allow for customizable templates for seamless adaptation to your fields
- 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

GET IT ON Google Play

Download on the App Store

# DESIGNED FOR CONVENIENCE

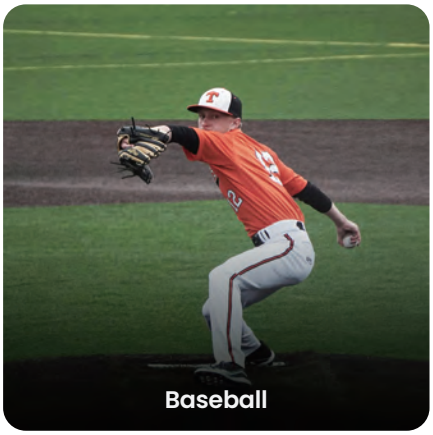
- Lightweight and portable design to foster ease of transportation
- Independent paint filling port for fast and convenient paint refills
- Easy paint bucket change for faster pipeline cleaning
- Standard tablet for easy control and convenient use
- Removable structure makes it easy to repair and maintain

# SAFE AND RELIABLE

The integration of AI powered real-time machine vision along with smart front and rear bumpers guarantees smooth and safe operation.

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

# APPLICATION SCENARIO



# SPECS

| | | | |
|---|---|---|---|
| Weight (Excluding Paint) | 73.4 kg | Fast Battery Swapping | Supported |
| Dimensions | 1074×1023×672 mm / 42.3×40.3×26.5 in. | Base Station | Optional |
| Marking Speed | 1–3 km/h | Operation Tablet | Standard |
| Paint Bucket Capacity | 20L(Expandable to 25L) | Handheld Point Marker | Standard |
| Nozzle Above Ground | 3–11 cm | Laser Kit | Optional |
| Marking Width Range | 6–17 cm | Battery Life (0.5 kWh Standard Battery) | 5h |
| Standard Battery Capacity | 0.5 kWh | Charging Time (0.5 kWh Standard Battery) | 2.2h |
| Expanded Battery Capacity | 1 kWh | Working Temperature | 5–45 ℃ |

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

**Free Quote:**
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