



FJD RM21

ROBOTIC MOWER

NEW COMMERCIAL TURFCARE ERA STARTS HERE

The best turf shines in the real season. That's the motivation driving the RM21 to redefine turf caring for sports fields or sod farms. Designed with pure electric drive for quiet, oil-free performance, it's built with a smart control system and a large-capacity battery, giving you all the eco-friendly efficiency you need to let your landscaping business roll.

TECH-DRIVEN LAWN CARE REIMAGINED



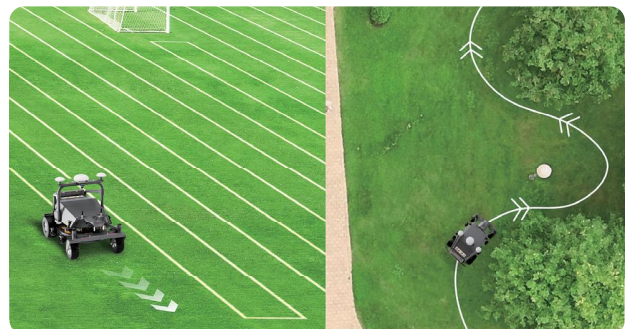
Accurate and efficient mowing

Cut grass with centimeter-level positioning accuracy, giving efficiency a boost while reducing the risk of mowing lapse, mowing task omission or repetitive working.



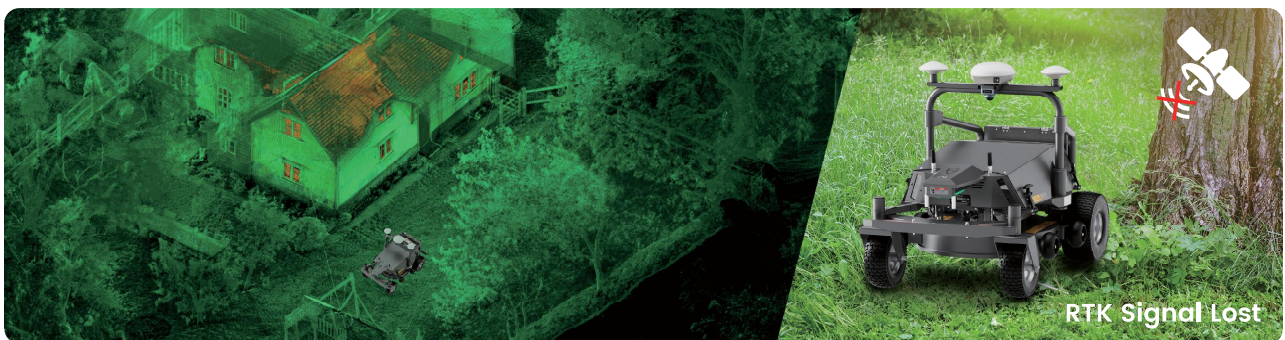
One-click multi-field management

Support mowing multiple zones in a single task to save your valuable time & effort in managing your property, helping you invest more time on critical tasks.



Smart path planning

Plan optimal mowing paths automatically with built-in precision algorithms, relieving your anxiety when working on the labor-intensive mowing tasks.



Automatic mowing on complex terrain

Leverage LiDAR tech to create a 3D map of the terrain, making it a breeze to safely mow in challenging areas such as under trees or around objects.

PROTECTION MEETS INNOVATION



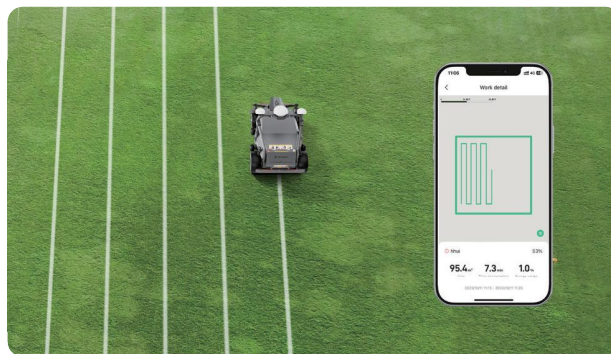
360° real-time object detection

Leverage LiDAR to detect surrounding objects and eliminate blind spots, giving you an extra layer of safety through rapid obstacle avoidance and collision prevention.



Comprehensive protection

Safeguard itself with collision bumpers, lift protection and raining monitoring, meeting your need for a safe and flawless mowing operation.



Easier and smarter mowing

Offer the convenience of app control, allowing you to manage your mower or schedule in real time even when you're out of town.

RELIABLE PERFORMANCE



No more battery anxiety

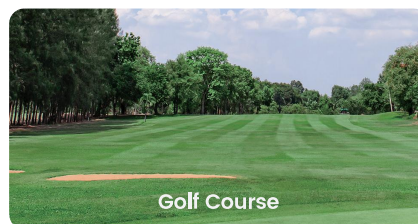
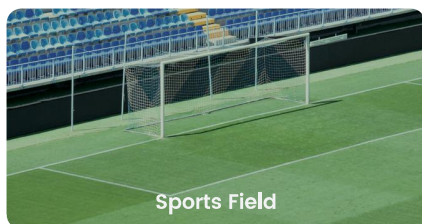
Return automatically to the charging station for auto-recharging when the battery life is low, reducing the need for manual intervention and improving working efficiency.



No more worry about slopes

Climb slopes or inclines of up to 20° without getting stuck, ensuring a consistently smooth ride over tricky terrain.

APPLICATION SCENARIOS



SPECS

Weight (with 2 batteries)	375 lb/170 kg	Ground Speed	0–3.7 mph/0–6 km/h
Dimensions	L52.4×W33.6×H38.6 inch L1330×W853×H980 mm	Max Operation Area per Three Days	93600 m ² /23 acre
Number of Blades	1	Max Operation Area per Charge	3.2 acre/13000 m ² *
Cutting Height	0.8–5 inch/20–127 mm	Average Working Time	5 h
Cutting Width	25 inch/635 mm	Maximum Gradeability	≤20°
Battery Capacity	4 kWh	Charging Time	5 h
Battery Voltage	48 V DC	IP Rating	IPX4

Note:

1. The cutting height can be adjusted up to 20mm/0.8 inches only on flat lawns. For uneven lawns, keep the height above 30mm/1.2 inches.
2. Working area capacity is variable due to grass type, soil, cutting height and slope.

Free Quote:
sales.global@fjdynamics.com

Address:
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FJD LM01 LINE MARKER KIT

MAKE LINE MARKING EASIER

Perfect sports field lines don't happen overnight. It takes high precision marker to make your field the best it can be. The LM01 comes standard with a top-class navigation system that makes precise lines marked in minutes with an ultra-long battery life. With customizable maps and lines, this marking robot lets you get the results both players and spectators can enjoy in any soccer, rugby, and lacrosse field.

HIGH PRECISION FROM START TO FINISH

A local base station provides stable signals to ensure 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.



SAVE COSTS, INCREASE EFFICIENCY

Save labor costs
by up to

90%+

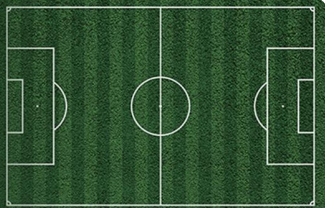


Reduce paint consumption
by about

50%+



Work longer
mark **20**
standard soccer fields (11v11)
per full charge



Cover various
sports fields

from soccer, rugby, to baseball



INTUITIVE INTERACTION AND SIMPLE OPERATION

- Offer an array of built-in marking templates for quick and easy deployment.
- Support multiple map creation methods to meet different marking needs.
- Identify the starting point automatically for marking without manual intervention.
- Resume marking from where is left off for continuous workflow.

SAFE AND RELIABLE

Provide dual protection of 360° laser radar monitoring and physical anti-collision, eliminating your safety concerns about unmanned marking.



CONFIGURATIONS



RM21+LM01 (Marking+Mowing)

Hardware

Base Station

Blade Disc

Charging Station

Portable Charger

Lithium Battery

Feature

Max Marking Time per Full Charge

Mowing

Charging Mode

Screen Plate Auto-Lifting

Resume Spraying

Auto-locate Starting Point

360° Monitoring

Paint Level Alarm



2×2kWh

20h



Automatic charge



APPLICATION SCENARIO



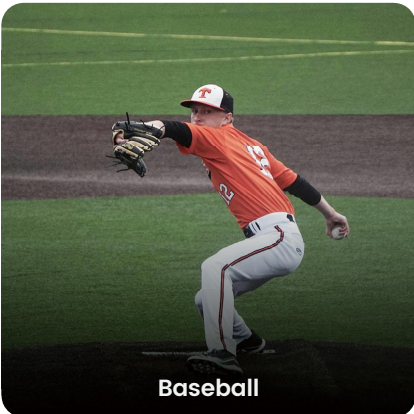
Football



Rugby



American football



Baseball



Lacrosse



Other

SPECS

RM21+LM01 Weight (With Blade Disc)	187 kg	Rated Voltage	48 V DC
Speed	2 km/h	Rated Power	150 W
Paint Capacity	25 L	Rated Current	3 A
Marking Width Range	5-17 cm	IP Rating	IPX4
Nozzle Height	3-8 cm	Max Marking Time per Full Charge	20 h
Working Temperature	5-35°C		

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

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FJD GC31

GRASS COLLECTION KIT

- ✓ Automatic Grass Collection & Disposal
- ✓ Unique Lawn Striping
- ✓ Artificial Turf Cleaning
- ✓ Unmanned Leaf Collection



AUTOMATIC GRASS COLLECTION

Collect grass clippings and debris from your lawn automatically, eliminating the need for manual cleanup.

HANDS-FREE GRASS DISPOSAL

Carry collected grass clippings and debris to a designated location for disposal, keeping your lawn impeccably tidy without effort on your side.

UNIQUE LAWN STRIPING

Create alternating light and dark stripes on the lawn through precise control, aligning with the UEFA standards for sports fields while adding a touch of visual charm.

ARTIFICIAL TURF CLEANING

Integrate RTK and LiDAR navigation technology for high-precision unmanned cleaning operations, making it a breeze to maintain both outdoor and indoor artificial turf.

UNMANNED LEAF COLLECTION

Leverage advanced intelligent technology to automatically collect fallen leaves, effortlessly maintaining a neat and attractive appearance for your lawn and yard.

ULTRA-QUIET OPERATION

Operate silently without noise or harmful fumes, promoting a tranquil lifestyle that benefits your family and neighbors in the community.

APPLICATION SCENARIOS

(1) Mowed Grass Collection on Sports Fields; (2) Artificial Turf Cleaning; (3) Leaf Collection on Flat Areas.

GC31 Weight	100 kg	Max Travel Speed	3 km/h
RM21 +GC31 Weight	270 kg	Max Single Collection Volume	150 L
Dimensions	1260x960x740 mm (49.6x37.8x29.1 inches)	Max Climbing Ability	≤8°
Drive Mode	Electric	IP Rating	IPX4
Number of Roller Brushes	1	Rated Working Voltage	48 V
Roller Brush Rotation Speed	300/400/500 rpm	Rated Working Power	750 W
Grass Collection Height	20–50 mm	Rated Working Current	15.6A
Grass Collection Width	80 cm (31 inches)	Operating Temperature	0–45°C

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FJD Z42P

AUTONOMOUS ELECTRIC LAWN MOWER

LEVEL UP YOUR MOWING EXPERIENCE

FJD Z42P, the revolutionary autonomous electric lawn mower, redefines mowing with our latest technology. Experience unparalleled flexibility and performance as Z42P effortlessly navigates and mows under trees without interruptions, eliminating the need for RTK signals. Enjoy precise cutting efficiency, superior versatility, and cost savings as FJD Z42P transforms the future of lawn care.



Soccer Field



Turf Farm



Golf Course (Auto ball picking solution)



Rugby Field

HIGHLIGHTS

Autonomous

- Path Planning
- Centimeter Accuracy
- Real-time Obstacles Detection
- Continuation after Interruptions
- Path Customization

Performance

- Up to 5 Acres per Full-Charge
- Electric Deck Adjustment
- 100% Electric
- 3 Operating Modes

Safety First

- Weight-sensing Seat for Minimized Risks
- Obstacle Sensors for Stopping and Resuming
- Emergency Foot Brake & Lever Brake



PATH PLANNING

With sophisticated algorithms and Real-time Kinematic positioning, Z42P plans and follows a path with centimeter-level accuracy, so you don't skip or overlap.



PATH CUSTOMIZATION

Flexible mowing paths can be set to cope with complex terrains through path memory function.



REAL-TIME OBSTACLE DETECTION

360-degree obstacle detection system ensures the safety of automatic operations.



MULTI-MODE OPERATIONS



Manual Mode

The assisted driving system helps you to perfect your work without holding the levers and truly turn the working time your time. Working is no longer a burden, but a relaxing and enjoyable driving experience.



Remote Control

Control Z42P from as faraway as 2624 ft (800 meters), monitor the mowing status on the tablet, While keeping yourself away from heat, noise, and dust.



Autonomous

The mower equipped with our new fusion technology to perform unmanned operations even in areas with no satellite signal, such as under trees or near tall buildings.

QUICK SPECS

Dimension (L * W * H)	5.36 * 4.28 * 7.46 (ft)	Ground Speed	7.46 mph (12 km/h) max
	1635 * 1305 * 2273 (mm)	Ground Capability	Gradeability:20° ; Parking:16.7°
Weight	738 lb ± 22 lb (335 ± 10 kg)	Max Distance of Remote Control	2,624 ft (800 m)
Deck Cutting Width	42" (1067 mm)	Operation Modes	Manual , Remote Control , Autonomous
Number of Blades	2	RTK Frequency	GPS L1/L2 ; BDS B1/B2/B3 ; Galileo E1/E2/E5a/E5b ; Glonass L1/L2
Cutting Height	1.2"-5.0" (30-127 mm)	Certifications	CE/FCC/SGS-NorthAmerica
Max Working Area (Per Full Charge)	5 acres (20,234m²)		
Battery Capacity	6 kWh / 6.79 kWh(EU Version)		



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Ball Picker Combo

The FJD ball picker combo needs to be used in conjunction with the Z42P smart lawn mower. It features smart path planning, ball-picking zone customization, and 360° object detection with advanced automation algorithm. It is the perfect picker for any range with great labor cost savings and efficient sports field management.

- ✓ Smart Path Planning
- ✓ Customizable Ball-Picking Zone
- ✓ Precise & Efficient Ball Picking
- ✓ 360° Object Detection
- ✓ 3 Flexible Operation Modes
- ✓ User-Friendly & Compact Installation



Smart Path Planning

Smart path planning technology, avoid unnecessary ball picking which is beneficial for grass perfection maintenance.

Customizable Ball-Picking Zone

Customize ball picking zones can minimize the disturbance to golfers & smoothen the course management.

Precise & Efficient Ball Picking

Cover a ball-picking area ranging up to 10,000 square feet per hour with 40 drums equipped, eliminating the ball-picking lapse with precise ball retrieval.

360° Object Detection

Detect objects in a 360-degree manner to avoid them rapidly, ensuring the safety of both the machine and the golfers.

3 Flexible Operation Modes

Offer auto/manual/remote modes for your selection, allowing flexible switch among three modes as needed to lower the labor cost.

User-Friendly & Compact Installation

Stay away from the bulky structure design, easy for setting up(5 mins only). Leave your hands free with automatic navigation and operation.

Weight	265 lbs	Width	2199mm (Carts included)
Capacity	≈ 1800 balls	Carts	4



FJD Z4210 VERSATILE SMART LAWN MOWER

Joy of Mowing Enriching Garden Life

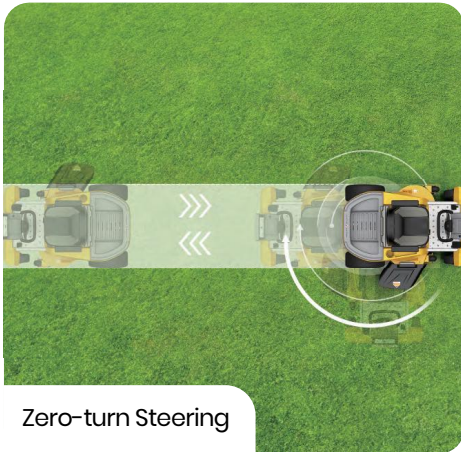
ALL-NEW DRIVING EXPERIENCE



Assisted Driving



Flexible Automatic Steering Options



Zero-turn Steering

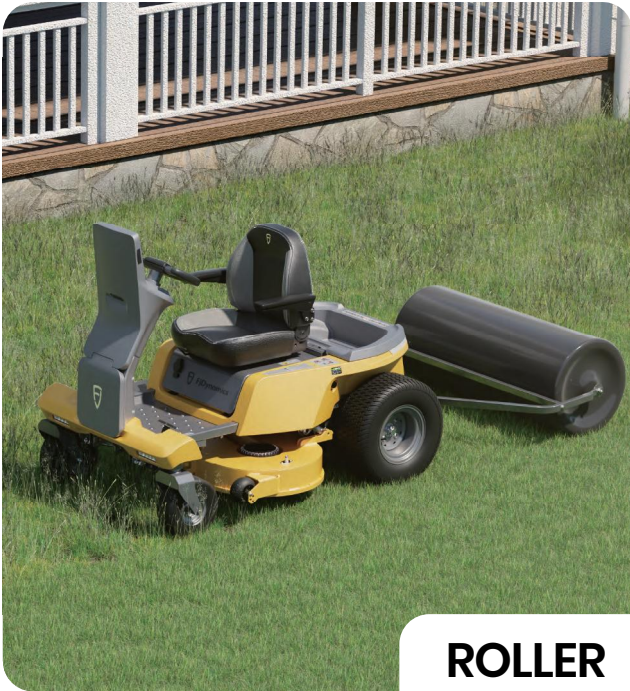


Millimeter Accuracy Adjustment

MOBILE POWER STATION



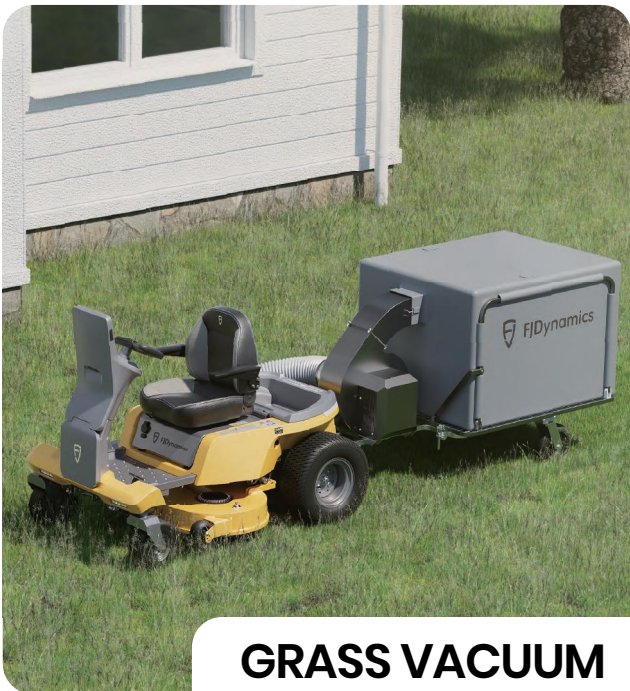
BUILD FOR VERSATILITY



ROLLER



TRAILER

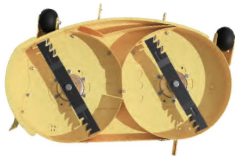


GRASS VACUUM



SNOW PLOW

ACCESSORIES



Mulching Kit



Battery



Solar Panels



Grass Vacuum



Cover



Solar Canopy

SPECIFICATIONS

Weight (without batteries)	275 kg / 606 lb	
Weight (with 2 batteries)	311 kg / 686 lb	
Dimensions	L1669 * W1393 * H1325 mm / L66 * W55 * H52 in.	
Cutting Height	30-127 mm / 1.2-5 in.	
Battery Capacity	4 kWh(standard) / 6 kWh(extended)	
Max Ground Speed	12 km/h / 7 mph	
Max Towing Weight	150 kg / 330.7 lb	
Load Capacity	60 kg / 132 lb	
Number of Blades	2	
Deck Size	1070 mm / 42 in.	
Battery Voltage	48 V	
Max Operation Area per Charge	12000 m ² / 3 acres (4 kWh)	240000 m ² / 6 acres (6 kWh)
Screen Size	10.1 in.	

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FJD FR4000

ROBOTIC LAWN MOWER

MAP BEYOND LIMITS, MOW AS YOU WISH

Powered by industrial RTK technology and a smart vision system, the FJD FR4000 robotic lawn mower defines virtual boundaries and ensures centimeter-level accuracy in positioning, eliminating the need for wires.



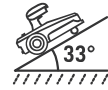
Industrial RTK With Robust Signal and Long Range Coverage



No Perimeter Wires



Mow Up to 4000m² (1 acre)



Max Slope Up to 33° (65%)



Smart Vision System



Route Planning and Auto-recharging



Multi-zone and No-go zone Management

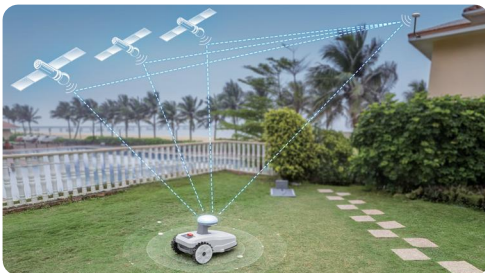


App Control and OTA Updates

RTK POSITIONING MODES TAILORED TO YOUR NEEDS

Radio RTK mode

Achieve centimeter-level positioning accuracy with a reliable signal coverage range of at least 1 km. In this mode, the RTK reference station can be connected via Wi-Fi without data costs. As a leading global brand, FJD's industrial RTK is widely used in precision agriculture, geospatial, digital construction, and professional landscaping.



Network RTK mode

Remove the need for an RTK reference station, offering a versatile alternative to fulfill your flexible RTK connection needs. In this mode, you can effortlessly deploy your mower and set it in motion without additional setup.



SMART VISION SYSTEM BASED ON RGB CAMERA AND STEREO CAMERA

Intelligent boundary recognition

Recognize the grassland and establish optimal boundaries for every section of your lawn to deliver a remarkable level of precision.



Real-time object detection and avoidance

Feature a stereo camera, an RGB camera and a front bumper, guaranteeing superior object detection and avoidance.



Enhanced vision navigation

Navigate seamlessly with visual SLAM technology in challenging environments, ensuring uninterrupted operation even in areas with weak RTK signals.



STAND OUT IN PERFORMANCE

Max slope 33° (65%) to handle tricky terrains at ease

Conquer steep slopes with an impressive 33° climbing ability, handling inclines of up to 65% effortlessly.



Better protection with a built-in rain sensor and IPX5 waterproof

Design with a rain sensor to pause mowing and guide the mower back during rainfall, and build with IPX5 waterproof to protect the mower from water damage.



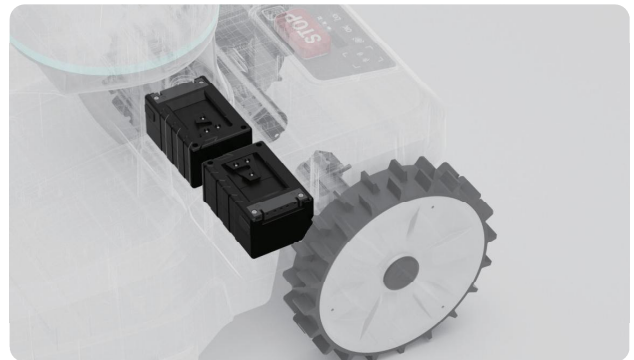
Security system for anti-theft

Come with a combination of PIN access, alarm features, charging station pairing, and GPS theft tracking to provide robust security.



190Wh capacity for long-lasting uses

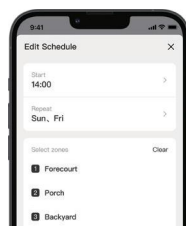
Enjoy up to 180 minutes of mowing time per full charge, maximizing productivity for uninterrupted lawn care.



PERSONALIZED MOWING EXPERIENCE

Set mowing schedule

Define your lawn mow schedule, and the the FR4000 will handle the rest around the clock.



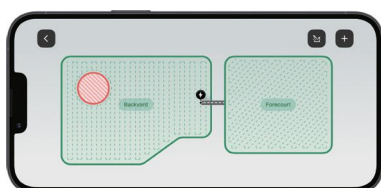
Adjust cutting height

Set the perfect cutting height from 10 to 50 mm for different areas to suit your needs.



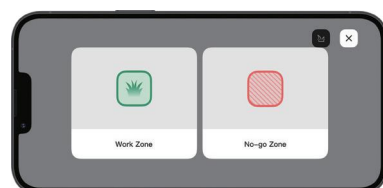
Select mowing modes

Select different modes like parallel stripes for greater mowing efficiency.

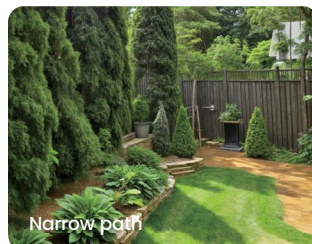
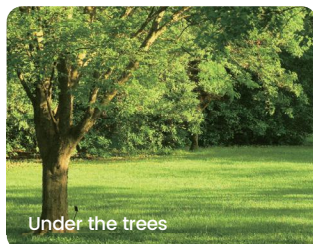
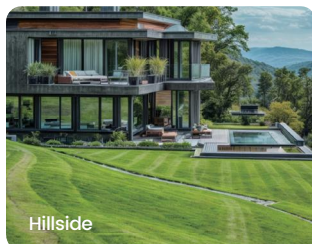


Manage multi-zones and no-go zones

Customize mowing zones with tailored cutting heights and schedules while designating no-go zones to avoid specific areas.



PRECISE POSITIONING & NAVIGATION IN CHALLENGING AREAS



SPECS

Capacity

Max mowing size	4000 m ² (1 acre)
Boundary type	Virtual boundaries (No perimeter wire)
Net weight	13.3 kg
Dimension	645 mm × 444 mm × 420 mm / 25.4 in × 17.5 in × 16.5 in
Max climbing ability	33° (65%)
Max multi-zone management	Supported
No-go zone management	Supported
Engine	Rear-wheel-drive
Rain sensor	Supported
Suggested working temperature	0–55 °C
Waterproof level (mower, charging station, and RTK reference station)	IPX5, IP65, IP67

Positioning & Navigation

Industrial RTK & enhanced vision	Supported
Radio RTK mode & network RTK mode	Supported
User interface	Keyboard & APP control
Firmware update	APP update through OTA
Connectivity	4G & Wi-Fi & Bluetooth

Cutting System

Cutting width	255 mm / 10 in
Cutting height range	10–50 mm / 0.4–2 in
Mowing speed range	0.3–0.5 m/s
Blade speed range	High, middle, and low
Blade type	6 pivoting stainless steel blades
Cutting mode	Parallel stripes with a specific angle

Product Safety

Object detection & avoidance system	Stereo camera & RGB camera & physical bumper
Lift sensor	Supported
Security System	PIN access, alarm, charging station pairing, GPS theft tracking
Tilt sensor	Supported

Battery & Charging

Dual battery capacity	190 Wh
Battery type	Lithium-ion battery
Charging mode	Automatic & manual
Auto-recharging	Supported
Mowing time per full charge	180 min
Charging time	120 min

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FJD FV2000

ROBOTIC LAWN MOWER

PRECISION MAKES MOWING PERFECTION

Upgrade your lawn care with the FJD FV2000 robotic lawn mower, featuring world-leading RTK technology with nearly 10 years history and an advanced vision system for unbeatable precision. This powerful device can tackle up to 2,000 square meters without the need for perimeter wiring. Transform your backyard & home garden lawn into a vibrant and attractive outdoor space, perfect for entertainment and enjoyment.



Innovative RTK Precision
For Lawn Care



Perimeter-Wiring Free



Real-time Object Detection
and Avoidance



AVG Mowing Capacity
2,000m²/d (0.5 acre)



Max Slope
Up to 33° (65%)



Optimal Path Planning



Multi-zone and
No-go zone
Management



Accurate Boundary
Recognition



Smart APP Control

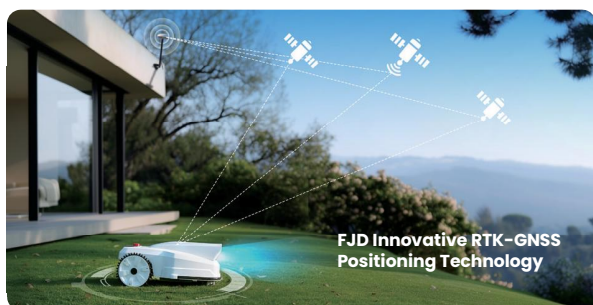


Precise Vision Algorithm

DUAL RTK SOLUTIONS: PRECISION MEETS FLEXIBILITY IN FV2000

Radio RTK mode

Enjoy the convenience of connecting the RTK base station via Wi-Fi without incurring data costs, and relish the free centi-meter level precision enhancement that FJD offers.



Network RTK mode

Eliminating the need for an RTK reference station and offering an alternative RTK connection, just effortlessly deploy your mower and set it in motion without any additional setup.



MAKE DAILY LAWN MOWING A MASTERPIECE BASED ON PRECISE RTK +VISION ALGORITHM

Real-time Object Detection and Avoidance

Driven by cutting-edge RTK & vision tech, the FV2000 can swiftly identify obstacles and navigate around them, ensuring seamless operation and safety.



Accurate Boundary Recognition

Recognize the grassland and establish optimal boundaries accurately for every section of your lawn to deliver a remarkable level of edge cutting.



Optimal Path Planning

The FV2000 is designed with advanced algorithms that intelligently plan the most efficient route to cover your entire lawn, ensuring a perfectly manicured lawn.



NEXT-LEVEL MOWING CAPACITY

Max Slope climbing 33° (65%) : Complicated Terrain Mastery

The FV2000 lawn mower is designed to tackle even the most complicated terrains with ease, to ensure that your lawn is perfectly manicured, regardless of the landscape's challenges.



Daily Mowing Area 2,000m²: Compatible For Various Scenarios

The FV2000 lawn mower boasts an impressive daily mowing area of 2,000m², making it a versatile and reliable choice for various lawn care scenarios.



Equipped With Multiple Sensors: Eliminate Potential Mowing Risk

The FV2000 lawn mower comes equipped with an array of intelligent sensors, to ensure the safety and efficiency during operation, providing a worry-free mowing experience.



Waterproof & Dustproof Design: Maintenance Becomes A Breeze

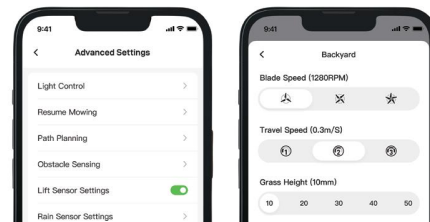
The FV2000 lawn mower features a waterproof and dustproof design, making maintenance a breeze. With IPX5 waterproof certified, you can trust this robust mower to withstand water exposure and be cleaned by flushing quickly.



MANAGE MOWING TASK EASILY AT YOUR FINGERTIPS: SMART APP CONTROL

Customize Your Mowing Tasks:

Customize Your Mowing Tasks by setting the configuration, including the cutting height, blade speed, travel speed & path planning. FJD Landscaping APP also offers 20+ different functions to optimize your mowing experience.



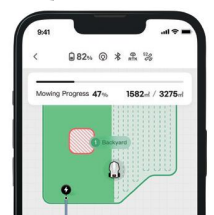
Switchable Mowing Solutions:

The FV2000 lawn mower offers a switchable mowing solution, allowing users to seamlessly transition between automatic and manual mowing modes for ultimate control and convenience.



Manage Your Work Zones & No-go Zones :

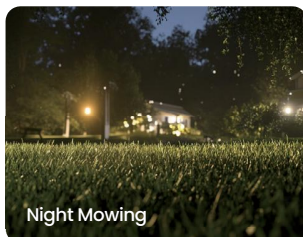
Allows for seamless work zone creation without any limitations, providing maximum flexibility and adaptability for customized lawn care solutions.



DELIVERING ADAPTABILITY TO CONQUER DIVERSE MOWING ENVIRONMENTS



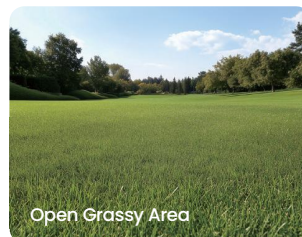
Complicated Backyard Environment



Night Mowing



Narrow Paths



Open Grassy Area

SPECS

Capacity

AVG. Daily Mowing Area	2,000m ² (0.5 acre)
Boundary Type	Virtual boundaries (No perimeter wire)
Max Slope Climbing Ability	Up to 33° (65%)
Max. Quantity Of Multi-Zone Management	No Limitation
Max. Quantity Of No-go Zone Management	No Limitation
Rain Sensors	Equipped
Suggested working temperature	0~55°C
Waterproof & Dustproof Level	IPX5 (Lawn Mower)
	IP65 (Charging Station)
	IP67 (Smart RTK Reference Station)

Positioning & Navigation

Core Technology	Industrial RTK & enhanced vision
RTK Solutions	Radio RTK mode/Network RTK mode
User interface	APP control
Connectivity	4G&Wi-Fi&Bluetooth
Firmware Update	APP update through OTA

Cutting System

Cutting width	255 mm / 10 in
Cutting height range	10-50 mm / 0.4-2 in
Mowing speed range	0.3-0.5 m/s
Blade speed range	High, middle, and low
Blade type	6 pivoting stainless steel blades
Cutting mode	Parallel stripes with a specific angle

Product Safety

Object detection & avoidance system	RGB camera & physical bumper
	(Adjustable Sensitivity via APP control)
LED Light	Equipped(Selectable Switch)
Lift Sensor	Equipped(Selectable Switch)
Tilt Sensor	Equipped(Selectable Switch)
IMU Sensor	Equipped

Battery & Charging

Battery capacity	95Wh
Battery type	Lithium-ion battery
Auto-recharging	Available
Mowing time per full charge	90 min
Charging time	60 min

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FJD GM22S

ELECTRIC WALK GREENS MOWER

GO GREEN IN EVERY SEASON

No engine oil, no grass damage, and cordlessly precise cut. That's just the beginning of what you get with the new FJD GM22S Electric Walk Greens Mower. With pure electric drive and a large capacity battery, the GM22S quietly and eco-friendly making a statement on golf courses, sports fields, and greens everywhere. It all starts with four-direction floating cutting design and quick blade sharpening, making it a breeze for excellent contour following on any terrain. With smarter control and better precision, you'll get perfect cutting results while walking behind the GM22S.

EASY CONTROL



Intelligent touch screen

Boast an intelligent touch screen for intuitive interaction, helping you easily finish blade sharpening, mowing frequency adjustment, speed settings, and more!



Dual walking modes

Walk the mower easily with buttons or a lever to your liking and switch between two regular speeds as needed, taking your mowing experience to a new level.



Floating cutting heads

Travel smoothly above slopes and any tricky terrain with four-direction floating cutting heads, helping you follow ground contour more effectively for an even cut.



Floating cutting heads

Travel smoothly above slopes and any tricky terrain with four-direction floating cutting heads, helping you follow ground contour more effectively for an even cut.

ECO-FRIENDLY AND ENERGY-SAVING



Pure electric drive

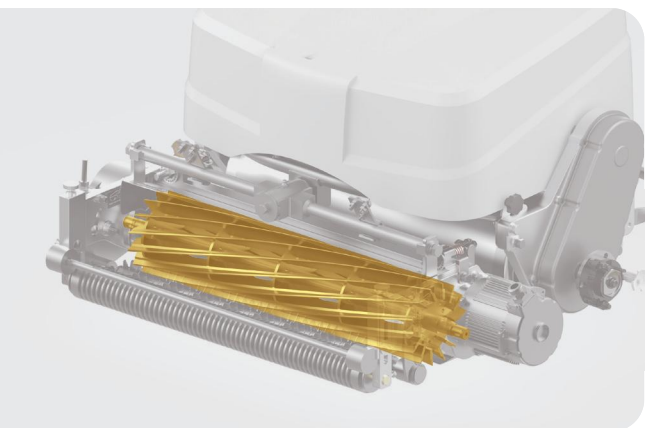
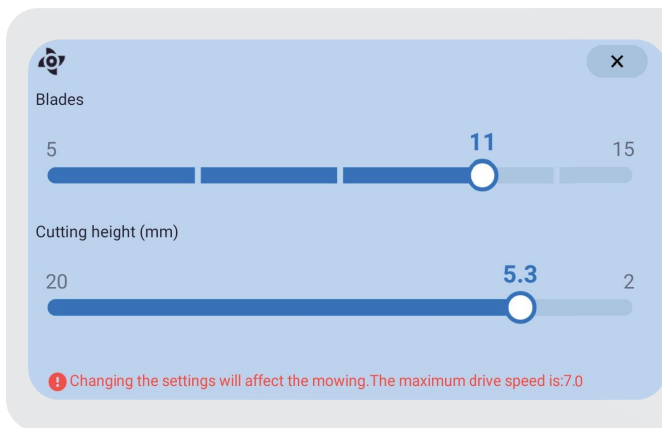
Save over 90% on fuel cost compared to traditional gas-powered models, allowing you to enjoy a worry-free smooth mowing experience without oil leaks and lawn damage.



High performance

Come standard with a large capacity battery to mow an area of up to 7,000 square meters on a single charge, giving you peace of mind without worrying about running out of power mid-task.

HASSLE-FREE MAINTENANCE



Intelligent parameter setting

Adjust intelligently to the ideal mowing frequency after setting a desired mowing height, making it easy even for inexperienced workers to operate.



Quick reverse sharpening

Complete blade sharpening without additional equipment, saving at least 30 minutes of daily sharpening labor and reducing tear and wear for a longer blade lifespan.



Minimal maintenance

Eliminate the need for engine maintenance with a pure electric motor drive, saving a large sum of money and time for maintenance in the long run.

ECO-FRIENDLY AND ENERGY-SAVING



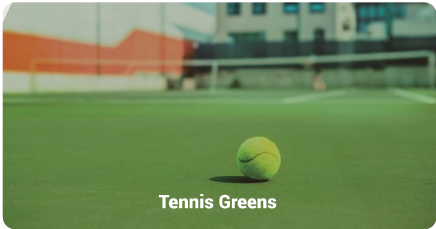
Golf Greens



Football Stadium



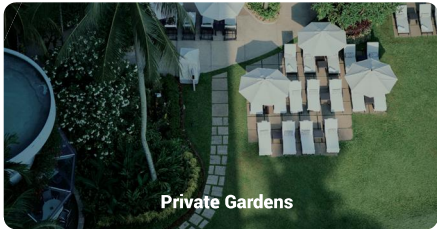
Football Pitch



Tennis Greens



Landscaped Lawns



Private Gardens

SPECIFICATIONS

Weight (with battery)	115 kg	Voltage	48V
Size (highest lever)	L1200 * W908 * H1200 mm	Cutting height	2~20 mm
Max mowing area per full charge	Max 5574 m ²		3~25 mm
Cutting width	559 mm		5~25 mm
Number of blades	8,11,14	Battery capacity	2 kWh
Walking speed	0~7 km/h	Grass catcher capacity	20 L
IP rating	IPX4	Wheel size	11 inch
OTA	Support	Screen size and resolution	5inch (1280 x 720)
WiFi	Support	Horsepower	8 HP

All data were obtained through testing under experimental conditions

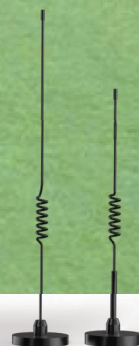
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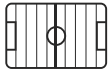


FJD MS100

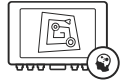
TURF MANAGEMENT SOLUTION

HANDS-FREE & WORRY-FREE

Different lawns. Different operations. That doesn't matter to the FJD MS100 Mower Kit, because the system can be seamlessly integrated with popular turf mowers, sprayers, and aerators for whatever you need in lawn care. From UEFA-standard football field pattern to golfcourse path memory, the MS100 brings more automation and productivity to any lawn management business.



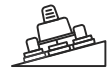
Sports Field Pattern



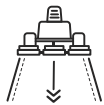
Path Memory



2.5cm Precision



Slope Compensation



Straight Line Mode



Curve Mode



Pivot Mode

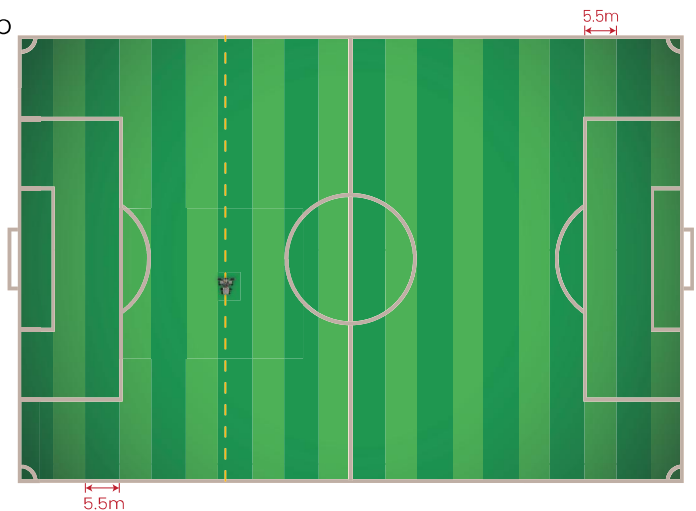


30-Minute Installation

SPORTS FIELD & GOLFCOURSE

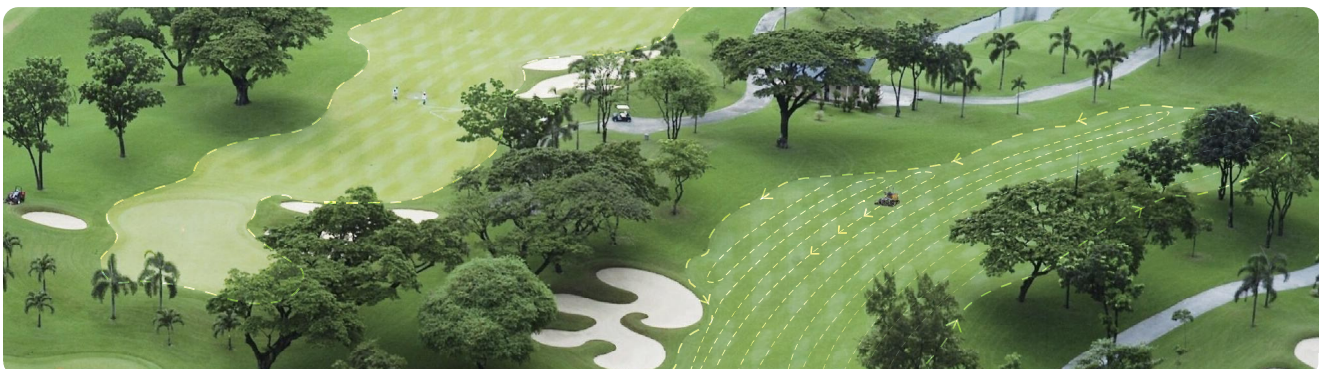
Pro-Looking Mowing Pattern

Forget uneven stripes and get the lawn mowed to meet international standards, letting you easily program any pattern from classic stripes to UEFA-approved designs for sports fields.



Time-Saving Path Memory

Activate path memory to complete the mowing task and finish edge trimming and auto-turn with ease, allowing you to enjoy your time while your lawn gets the care it needs.



*MS100 in action on golfcourse

SUPERIOR MOWING ACCURACY



Ultra-Precise Guidance

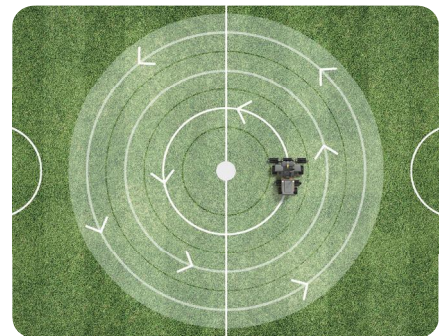
Offer real-time navigation guidance with centimeter-level accuracy, achieving precise mowing results in every pass while reducing overlaps to the greatest extent.



Smart Terrain Adaptation

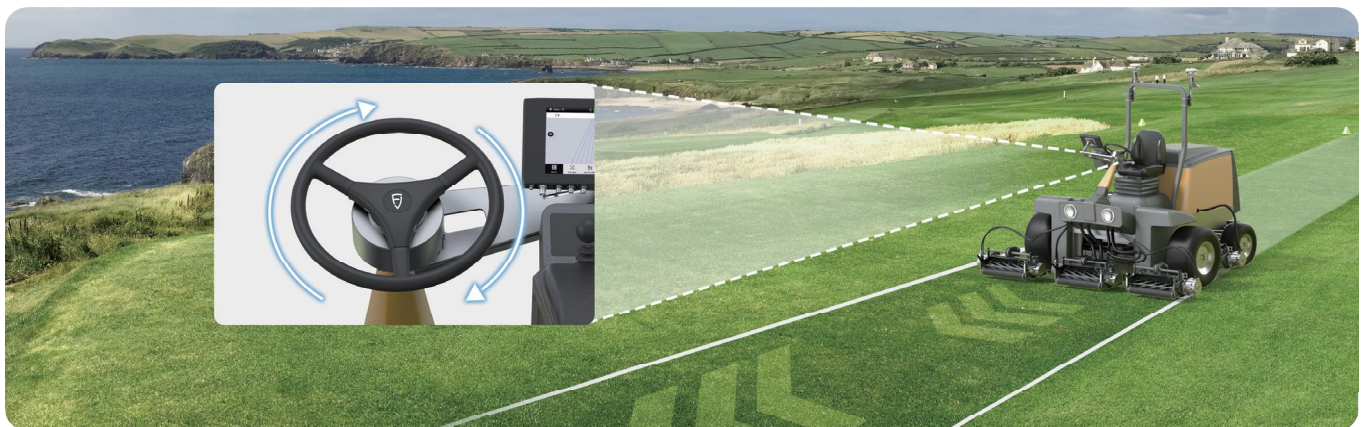
Follow and adapt to the ground contours automatically, delivering a consistently clean cut across different terrain topographies.

EFFORTLESS MOWING MASTERY



Customizable Mowing Modes

Choose from a library of straight lines, curves and pivots, or just design your own, giving you extra freedom in mowing path planning.



Reduced Complexity

Take care of intricate steering control. All you have to do is step on the pedal and let it work, and you can enjoy stress-free mowing in complete comfort and safety.

COMPATIBLE WITH MULTIPLE TURF CARE EQUIPMENT



* Compatible with most popular lawn mowers on the market.

SPECIFICATIONS

Control Terminal

Dimensions	300×190×43 mm
Operating System	Android
Network Mode	4G/3G/2G
Display	10.1 inches, 1280x800 pixels, LEDbackligh

Power Supply	9V–36V
Interface	GNSS receiver x 2, 4G antenna × 1, base station x 1
Operating Temperature	–20°C to 70°C
IP Rating	IP65

Electric Steering Wheel

Dimensions	370×370×123 mm
Max Torque	30 N·m

Power Supply	12 V/24 V DC
IP Rating	IP65

GNSS Antenna

Dimensions	152×63 mm
IP Rating	IP66

Constellations	GPS: L1/L2; GLONASS: L1/L2; BDS: B1/B2/B3; Galileo: E1/E5b.
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IMU

Accelerometer	0.5 mg
Gravity Sensor	0.1°/s

Operating Temperature	–40° C to 85° C
IP Rating	IP67

Angle Sensor

Operating Temperature	–40° C to 85° C
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IP Rating	IP67
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