



# LUBA 2 AWD Series Product Introduction

Named as a [TIME Best Invention of 2024](#)

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1. Product Overview
2. Key Selling Points
3. Specs Comparison

# Product Overview



Models	
Cut Height 1.0"-2.7"(25-70mm)	Cut Height 2.2"-4.0"(55-100mm)
LUBA 2 AWD 3000X	LUBA 2 AWD 3000HX
LUBA 2 AWD 5000X	LUBA 2 AWD 5000HX
LUBA 2 AWD 10000X	LUBA 2 AWD 10000HX

Note: H Version is only available in North America.

## Key Features:

✦ **All-Wheel-Drive For 80% Slope (38.6°) with 165W**

Built-in blade motors

✦ **UltraSense AI Vision (Auto-mapping) & RTK System, no Perimeter Cable**

✦ **Mow Up to 10000m<sup>2</sup> (2.5 acres) with centimeter-level precision automatically**

✦ **Up to 60 Mowing Zones & No-Go Zone Management**

✦ **Voice Control (Alexa & Google) & Smart App Control**

✦ **Intelligent Obstacle Avoidance**

✦ **GPS Tracking Anti-Theft Feature**

✦ **Lawn Printing Technology**

✦ **400mm Cutting Width**



# Key Selling Point 1—Must Mention

## Unbeatable Off-Road Capacity



### All-Wheel-Drive

- Effortlessly navigates up to **an 80% slope (38.6°)**.
- Robust obstacle-crossing power, enabling it to **navigate obstacles with heights of up to 80mm**
- Cutting height: **25mm-100mm (1.0-4.0 inches)**.
- Designed for challenging terrains, **from steep hills to uneven ground.**



### High-Torque Cutting Motors

- **165W Cutting Motors** with High Torque effortlessly handles tall, thick, and wet grass, including tough types like **Kikuyu and St. Augustine**.
- Optimized revolutions per minute ensures smooth, even mowing without uneven cuts.



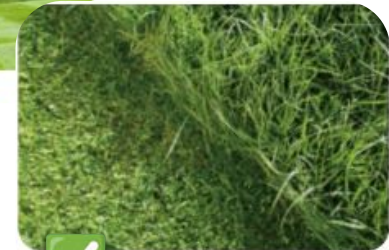
Steep Slopes



Rough Terrain



Potholes

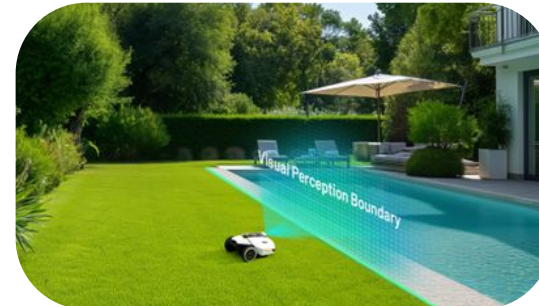


Tall and Thick Grass

# Key Selling Point 2

## UltraSense AI Vision System(with RTK)

- ✓ **Dynamic 3D Vision Mapping:** it can visually cover all grass areas for mapping through edge exploration, including edges under trees or eaves, dynamically recognizing and recording more than 10,000 square meters.
- ✓ **Mowing in areas with no GPS signal:** UltraSense AI Vision ensures mowing for up to 300 meters in areas without satellite signals, such as under trees or narrow paths. Once coverage is restored, it smoothly resumes full operation.
- ✓ **Intelligent Visual Fence:** Using advanced image processing, it identifies the transition between grass and non-grass surfaces to prevent the mower from entering pathways, flower beds, or other off-limits zone, especially in GPS blind spots.





# Key Selling Point 2

## UltraSense AI Vision System(with RTK)

- ✓ **Zero-Distance Edge Cutting:** Advanced visual positioning ensures precise boundary recognition and achieves zero-distance edge cutting within 5 cm of walls.
- ✓ **Smart Obstacle Avoidance:** Vision system adapts in real-time, identifying over 100 obstacles like hedgehogs and pools for smarter avoidance.



## Key Selling Point 3

# Mow 5000m<sup>2</sup> (1.2 acres) In One Day!



### Industry-Leading Efficiency

**Mow Up To 500m<sup>2</sup> (5300ft<sup>2</sup>) Per Hour**

LUBA 2 AWD mows up to 500m<sup>2</sup> per hour with its **dual-cutting discs**, offering a wide 400mm (15.7-inch) cutting width for fast and precise results, even along edges.

(Performance measured under ideal flat and obstacle-free conditions.)



### Power That Lasts

**Mow Up To 260 Mins Per Charge**

With a **robust 15Ah lithium battery**, LUBA 2 AWD delivers up to 260 minutes of continuous mowing, covering up to 500m<sup>2</sup> (0.13 acres) per hour. When it's time to recharge, it smartly returns to its charging station on its own.

# Key Selling Point 4

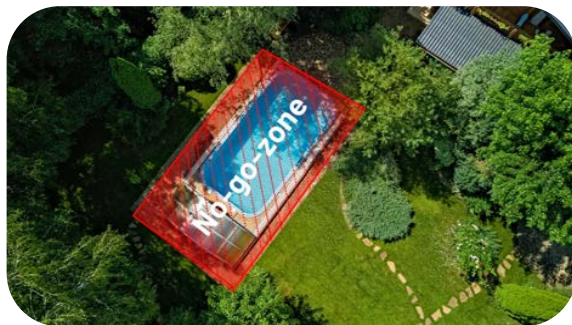
## Smart And Neat, Your Vision's Treat– Mow Exactly The Way You Want



Up to 60 Mowing Zones Storage



Intelligent route planning



Easily Create No-Go Zones



3D Lawn Printing

### What You Can Do Through The App:

- ✓ **Adjust Cutting Height:** Customize your ideal cutting height for different mowing zones.
- ✓ **Choose Mowing Modes:** Parallel, Checkerboard or Diamond Grid
- ✓ **Set Mowing Schedule:** Set your mowing schedule, and LUBA will handle your lawn care 24/7, rain or shine, day or night—exactly when you want it.
- ✓ **Real-Time Tracking:** Stay connected with 4G—check the mower's status anytime, anywhere
- ✓ **Voice Control:** Connect LUBA 2 AWD to Alexa or Google Assistant and manage it effortlessly with simple voice commands.



# Key Selling Point 5

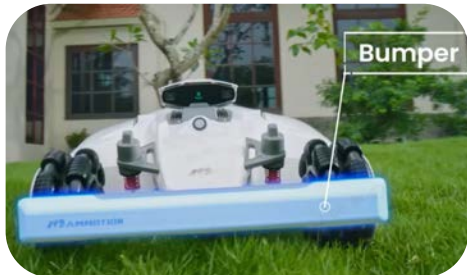
## Safety Comes First

### Intelligent Obstacle Avoidance

#### Recognizes 100+ Objects

It detects moving obstacles and chooses smart, smooth detours to keep family, pets, and small animals safe.

- ✓ Ultrasonic Radar Detection
- ✓ Bumper
- ✓ Supplemental Light



### Safety-Focused Physical Design

- ✓ Sensors
- ✓ Stop Button
- ✓ Security Key
- ✓ Automatic Blade Halt for Abnormal Situations



### Real-Time Surveillance Through Front Camera

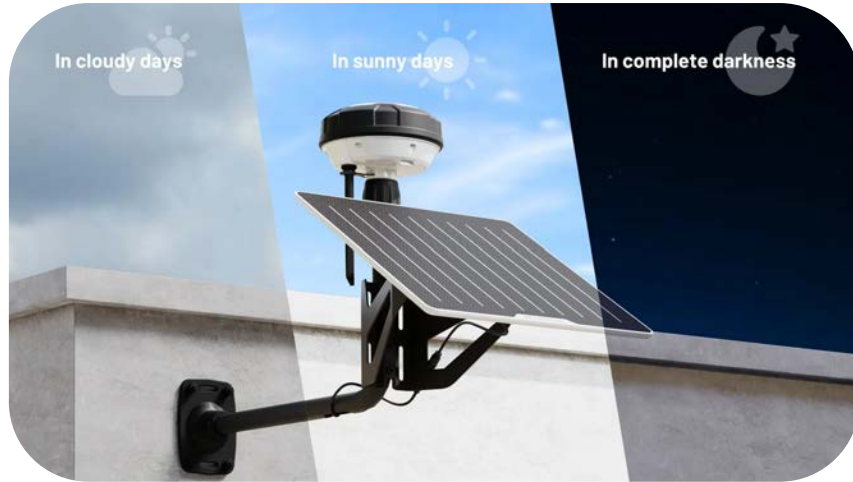
With Private Data Protection









# Other Key Features

A Sustainable Solution for A Better Lawn



## 100% Solar-Powered\* RTK

-  **Eco-friendly:** Operates on full solar power, zero emissions.
-  **Economical:** Reducing energy cost
-  **Convenience:** No need for extended power cables
-  **Flexibility:** The RTK base station can be installed in any outdoor location without the need to consider power sources.

\* Solar panel available in EU/AU/UK only.

## Worry-Free With Thorough **Anti-Theft** Features



App Notification



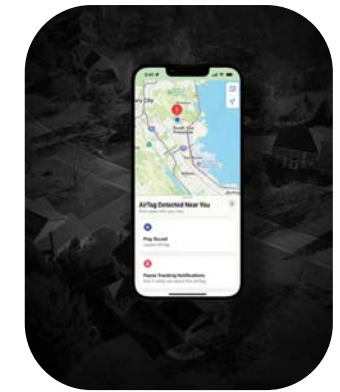
GPS Tracking



Ownership Authentication

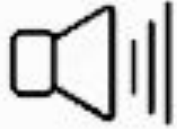


Geofence Alarm



AirTag Compatibility

# Other Key Features



## Whisper-Quiet Noise Level

During operation, LUBA 2 AWD maintains a noise level consistently below 60dB, ensuring no noise pollution is generated.



## Waterproof Performance

The mower is IPX6 waterproof rated, while the RTK reference station boasts an IPX6 waterproof rating. It ensures exceptional durability, even in rainy and humid areas.



## Rain Detection

Automatically adjusts its mowing schedule based on real-time weather conditions, thanks to its rain sensor and the seamless integration of the Mammotion app with local weather forecasts.



## FOTA Updates

Mammotion software continuously introduces new features and enhances user experience. It can be effortlessly downloaded at any time using FOTA (Firmware-Over-The-Air) technology.





**LUBA 2 AWD 2024**

3000	5000	10000
3000m <sup>2</sup>	5000m <sup>2</sup>	10000m <sup>2</sup>
80%slope (38.6°)		
180 min	180 min	180 min
4 pivoting razor blades on each disc		
45W	45W	45W
10Ah	10Ah	10Ah
×	×	×



**LUBA 2 AWD X Series**

3000X	5000X	10000X
3000m <sup>2</sup>	5000m <sup>2</sup>	10000m <sup>2</sup>
80%slope (38.6°)		
220 min	220 min	270 min
6 pivoting razor blades on each disc		
165W	165W	165W
12Ah	12Ah	15Ah
✓	✓	✓

Coverage Area

Slope Capacity

Runtime Per Charge

Cutting System

Cutting Motor

Battery Capacity

Night Vision Light

# Amazing moments with LUBA 2 AWD



Feel free to share your experiences with us!





**LUBA mini AWD Series**  
**Perimeter-Wire-Free Robotic Lawn Mower**  
The Ultimate Off-Road Lawn Mower for Lawns within 1500 m<sup>2</sup>





# Review Guidebook

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1. Product Overview
2. Key Selling Points
3. Specs Comparison



# Product Overview



## Key Features:

☀️ **All-Wheel-Drive For 80% Slope (38.6°) with 88W Built-in blade motors**

☀️ **UltraSense AI Vision (Auto-mapping) & RTK System**  
Auto-mapping, No signal worries, Intelligent Visual Fence, Zero-distance Edge Cutting, Obstacle Avoidance

☀️ **Up to 15 Mowing Zones & No-Go Zones Storage and Recovery**

☀️ **Voice Control (Alexa & Google) & Smart App Control**

Models	
Cut Height 0.8"-2.5"(20-65mm)	Cut Height 2.2"-4.0"(55-100mm)
LUBA mini AWD 1500	LUBA mini AWD 1500H
LUBA mini AWD 800	LUBA mini AWD 800H

Note: H Version is only available in North America.

☀️ **Lawn Printing Technology**

☀️ **24/7 Lawn Maintenance**

6 razor-like blades each disc, Seamless Cutting Resumption, 180 minutes continuous operation, Mow up to 324m<sup>2</sup>/h, Auto-recharge

☀️ **GPS Tracking with Anti-theft feature**

☀️ **Eco-friendly**

Solar -powered RTK and lithium Battery

☀️ **Replaceable Battery**

Note: Solar panel is not available in North America.

# Key Selling Point 1

## Unmatched Off-Road Capacity for Lawns within 1500m<sup>2</sup>



### All-Wheel-Drive

- Effortlessly navigates up to **an 80% slope (38.6°)**.
- Robust obstacle-crossing power, enabling it to **navigate obstacles with heights of up to 80mm**
- Cutting height: **20mm-100mm (0.8-4.0 inches)**.
- Designed for challenging terrains, **from steep hills to uneven ground.**



### High-Torque Cutting Motors

- **88W Cutting Motors** with High Torque effortlessly handles tall, thick, and wet grass, including tough types like **Kikuyu and St. Augustine**.
- Optimized revolutions per minute ensures smooth, even mowing without uneven cuts.



Steep Slopes



Rough Terrain



Potholes



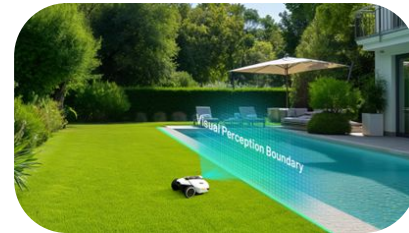
Tall and Thick Grass



# Key Selling Point 2

## UltraSense AI Vision + RTK Navigation System

- ✓ **1500m<sup>2</sup> Auto Mapping:** LUBA mini AWD auto maps 1500m<sup>2</sup>. Optional iNavi offers precise positioning without RTK.
- ✓ **No Signal Worries:** UltraSense AI Vision supports mowing up to 300 meters in areas without satellite signal, resuming smoothly once coverage is restored.
- ✓ **Intelligent Visual Fence:** UltraSense AI Vision detects invisible boundaries, keeping the mower within designated areas and preventing entry into pathways, flower beds, or off-limits zones.
- ✓ **Zero-Distance Edge Cutting:** Advanced visual positioning ensures precise boundary recognition and achieves zero-distance edge cutting within 5 cm of walls.
- ✓ **Smart Obstacle Avoidance:** Vision system adapts in real-time, identifying over 100 obstacles like hedgehogs and pools for smarter avoidance.

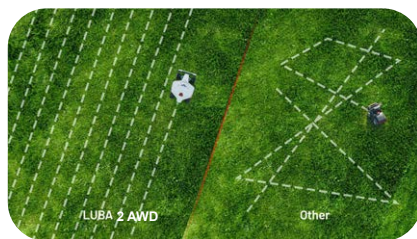


# Key Selling Point 3

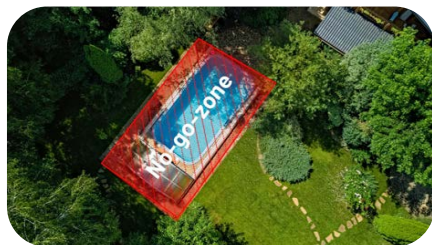
## Smart And Neat, Mow Exactly The Way You Want



Up to 15 Mowing Zones  
Storage



Intelligent route planning



Easily Create No-Go Zones



3D Lawn Printing

### What You Can Do Through The App:

- ✓ **Adjust Cutting Height:** Customize your ideal cutting height for different mowing zones.
- ✓ **Choose Mowing Modes:** Parallel, Checkerboard or Diamond Grid
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- ✓ **Real-Time Tracking:** Stay connected with 4G—check the mower's status anytime, anywhere
- ✓ **Voice Control:** Connect LUBA mini AWD to Alexa or Google Assistant and manage it effortlessly with simple voice commands.



# Key Selling Point 4—Must Mention

## 24/7 Lawn Maintenance with High Efficiency



### High Efficiency cutting system

#### 6 Razor-Like Blades

For disc offers high mowing efficiency



### Seamless Cutting Resumption

#### Well-Maintained Lawn

Seamlessly resumes mowing where is last left off, ensuring uninterrupted mowing and well-maintained lawn.



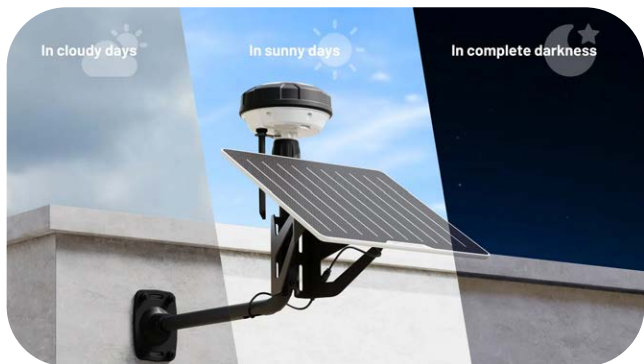
### Power That Lasts

#### Powerful Battery & Auto-Recharge





The lithium battery provides **180 minutes** of runtime, mowing up to **324m<sup>2</sup>/h**, and automatically recharges when needed.

# Other Key Features

A Sustainable Solution for A Better Lawn



## 100% Solar-Powered\* RTK

-  **Eco-friendly:** Operates on full solar power, zero emissions.
-  **Economical:** Reducing energy cost
-  **Convenience:** No need extended power cables
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\* Solar panel available in EU/AU/UK only.

## Worry-Free With Thorough **Anti-Theft** Features



App Notification



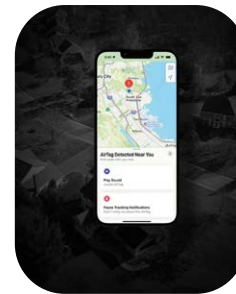
GPS Tracking



Ownership Authentication



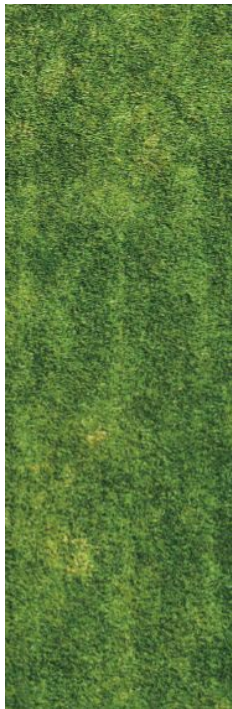
Geofence Alarm



AirTag Compatibility



# Other Key Features



## Whisper-Quiet Noise Level

Below 60dB, ensuring no noise pollution is generated.



## Waterproof Performance

Both mower and RTK reference station are IPX6 waterproof rated, ensure exceptional durability, even in rainy and humid areas.



## Rain Detection

Automatically adjusts its mowing schedule based on real-time weather conditions.



## FOTA Updates

Mammotion software continuously introduces new features and enhances user experience with using FOTA (Firmware-Over-The-Air) technology.



## Replaceable Battery

The battery is easy to dismount and replaceable

# LUBA mini AWD Series Specs Comparison

	LUBA mini AWD 800	LUBA mini AWD 1500
Lawn Size	800m <sup>2</sup> (8,611ft <sup>2</sup> )	1500m <sup>2</sup> (16,146ft <sup>2</sup> )
Max Zone Mgmt.	10	15
Battery Capacity	4.5 Ah	6.1 Ah
Cutting Height	EU/UK/AU: 20-65mm / US: 55mm-100mm (0.8-4.0 inches)	
Cutting Width	200mm / 6 blades each disc	
Connectivity	Bluetooth ✓ WIFI ✓ 4G ✓	
Slope	80% (38°)	
Mowing area per charge	320m <sup>2</sup>	
Charging Time	120 min	180 min
Mowing Time Per Charge	100 min	150 min

[Specs Sheet HERE](#)



- ✓ Lithium-ion and Replaceable Battery
- ✓ Resuming Cutting at Stop Point
- ✓ Rain Detection
- ✓ Auto-Charging



# Amazing moments with LUBA AWD Series



Feel free to share your experiences with us!



# YUKA mini Series

Mow Easy, Life Breezy

## Content Page

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1. Product Overview
2. Installation Guideline & Technical Support
3. Key Selling Points
4. Specs Comparison









# Product Overview

## The Entry-Level and Cost-effective Solution for Easy Lawn Care

Models: YUKA mini 800 | YUKA mini 700 | YUKA mini 600 | YUKA mini 500

### Key Features

-  **UltraSense AI Vision:**
  - 10-minute AI auto mapping
  - Seamless mowing under trees without signal issues
  - Intelligent Visual Fence
  - Precise corner-to-edge cutting
  - Smart Obstacle Identification & Avoidance
-  **Carpet-like Lawn Cutting & Creative Lawn Printing**
-  **Industry-leading battery life** on YUKA mini 800
-  **Effortless App Control:** Manage up to 10 custom zones
-  Masters 99% of residential yards with ability to **climb 45% (24°) slopes**
-  10kg **lightweight** design



# Installation Guideline & Technical Support

- **Install RTK antenna** on the roof or higher wall or stand on the grounds 5 meters away from the wall. YUKA mini does not require a direct line-of-sight view from every point in your lawn to the RTK reference station. It should work on the lawn with at least 90 degree open sky area. If the position of the RTK base station is changed, you will need to re-map the mowing zone.
- **Firmware Updates:** Make sure **the app, robot mower, and RTK base station are all updated** to the latest firmware versions for optimal connectivity.
- **Mapping boundary 15cm distance away from dangerous edge** like river, roads, high house wall.

## How-Tos Videos

Check all [Tutorials](#) and Usage book

- [Unboxing Tutorial](#)
- How to [Upgrade the Firmware](#)
- How to [Bind the RTK and Mower](#)
- How to Set [Lawn Printing Pattern](#)

## Technical Support

Please contact your Mammotion representative to report the issue and upload the event log via the app so we can analyze the problem more effectively.

Click [HERE](#) to learn how to upload the event log.

If you experience connection issues, lack of signal, or other technical problems:

1. Please check the app, firmware, and RTK station are all updated to the latest versions.
2. Solve [4G Network, Bluetooth Connection](#) Issues

# Leading AI-powered Vision for any lawn care scenario.

## UltraSense AI Vision

- UltraSense AI Vision is a **groundbreaking technology** that makes mowing smarter and easier.
- Powered by an advanced AI chip, UltraSense AI Vision matches L3 autonomous driving compute power, performing 5 trillion operations per second.
- With cutting-edge 3D Binocular Vision, it sets a new industry standard for flawless, intelligent lawn care.



## What It Can Do?

✓ **No Perimeter Wires**



✓ **Smart Object Avoidance**



✓ **Intelligent Visual Fence**



✓ **Unhindered by Trees**





# Set Once, Gain The Rest



## AI Auto Mapping

Thanks to advanced AI vision technology, YUKA mini creates a virtual map **all by itself** in the Mammotion app. For an 800 m<sup>2</sup> lawn, it can generate the entire map in just 10 minutes - **no need to manually drive it around the property anymore!**



Mows in GPS Blind Spots

## Flawless Positioning

YUKA mini provides accurate satellite positioning with 3 km coverage via Wifi or 4G, ensuring **reliable performance in any weather.**

Detects invisible boundaries and stays within designated mowing areas even without satellite signals. Using advanced image processing, it distinguishes between grass and non-grass surfaces to avoid restricted areas.



## Corner-to-edge Cutting

When the ground and the lawn are level at the edges, YUKA mini can **ride along the boundary** for clean and precise cutting.



# AI Lawn Maestro for Creating A Masterpiece Lawn

## Carpet-like Lawn

YUKA mini feature **floating cutting disc** to delivery real carpet-like lawn.

The dynamic height adjustments effortlessly **ensures a uniform cutting height** on different terrain.



## Creative Lawn Printing

YUKA mini transforms your lawn into an artistic canvas with customizable **designs, logos, and messages** via the Mammotion App.



## Perfect Stripes

Thanks to centimeter-level AI vision, YUKA mini creates flawless striped lawns with precision that **surpasses manual mowing**.





# Effortless App Control – Manage up to 10 mowing zones



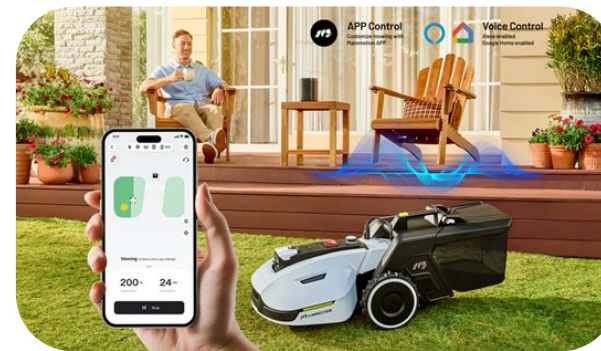
## Multi-Zone Management

- Easily set up to 30 work zones. Even if your lawn is divided into multiple sections, you can create smooth pathways between them.
- Each mowing zone can have its unique schedule, mowing pattern, and cutting height—ensuring all your lawns remain in perfect condition even when you're on vacation.



## Easily Create No-Go Zones

You can create no-go zones for plant beds or children's playgrounds or pools in App, YUKA mini will automatically avoid them.

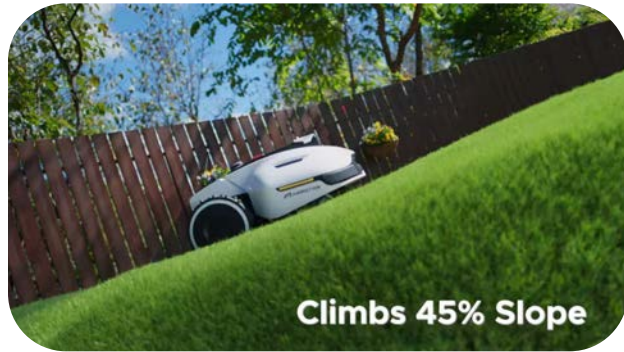


## Alexa/Google Voice control

With built-in system, YUKA mini can be integrated into your smart home system, allowing you to control YUKA mini through voice commands.



# Small in Size, Big on Performance



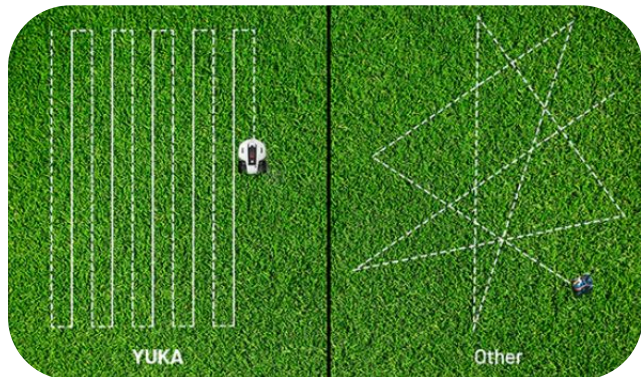
## Conquering 99% of Residential Yards

With the ability to climb **45% (24°)** slopes and clear vertical obstacles up to **1.38 inches**, YUKA mini is designed to operate in over 99% of residential yards.



## Adjustable Cutting Height

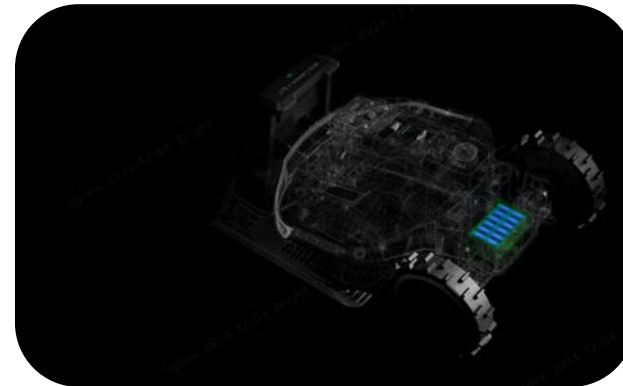
Tailored to regional preferences, this model offers adjustable cutting heights: 50-90mm (2-3.5 inches) in the US market and 20-60mm elsewhere.



## Intelligent Route Planning

YUKA's route algorithms **eliminate repetitive movements**, ensuring maximum efficiency and superior results.

Diverse **mowing modes** like Parallel, Checkerboard, and Diamond Grid via the Mammotion App.



## Longer Runtime & Efficiency

The YUKA mini 800 features a **6.1Ah** high-capacity battery **for extended runtime and efficiency**.

Powered by a **lithium battery**, YUKA mini delivers an eco-conscious, emission-free mowing experience.

# Other Feature Highlights



## Whisper-Quiet Noise Level

During operation, YUKA mini maintains a noise level consistently below 60dB, ensuring no noise pollution is generated.



## Waterproof Performance

YUKA mini boasts an IPX6 waterproof rating, ensuring exceptional durability and efficiency—whether operating in dewy mornings or during rainy, humid conditions.



## Rain Detection

YUKA mini automatically adjusts its mowing schedule based on real-time weather conditions, thanks to its rain sensor and the seamless integration of the Mammotion app with local weather forecasts.



## FOTA Updates

Mammotion software continuously introduces new features and enhances user experience. It can be effortlessly downloaded at any time using FOTA (Firmware-Over-The-Air) technology.



## Completed Anti-theft Protection

**GPS tracking:** Keep tabs on YUKA mini's location with GPS, and get alerts if it strays.

**Ownership Verification:** The activator becomes the owner, with the ability to share access, and a "lost" mode to deter misuse.

**AirTag Compatibility:** For added security, YUKA mini supports AirTag integration, providing an extra layer of protection for your device.

**Geofence Alarm:** When YUKA mini is moved out of the geofence, the alarm will be automatically triggered.

# YUKA mini Series Specs Comparison

YUKA mini 800

YUKA mini 700

YUKA mini 600

YUKA mini 500

[Complete Specs Sheet HERE](#)

Appearance



✓ Lithium-ion and replaceable battery

Lawn Size

800m<sup>2</sup>  
(8,611ft<sup>2</sup>)

700m<sup>2</sup>  
(7,535ft<sup>2</sup>)

600m<sup>2</sup>  
(6,458ft<sup>2</sup>)

500m<sup>2</sup>  
(5,382ft<sup>2</sup>)

✓ Re-cutting at Stoppage Point

Max Zone Mgmt.

10

7

5

3

✓ Rain Detection

Battery Capacity

6.1Ah

4.5Ah

2.4Ah

2.4Ah

✓ Auto-Charging

✓ Bluetooth / WIFI / 4G (optional)

Cutting Height

EU & AU: 20-60mm / US: 50-90mm (2-3.5 inches)

Cutting Width

190mm / **Five** pivoting razor blades

Efficiency (Mowing Area Per Charge)

230m<sup>2</sup>

TBD

80m<sup>2</sup>

80m<sup>2</sup>

Charging Time

230min

180min

90min

90min

Mowing Time Per Charge

150min

TBD

55min

55min







# YUKA Series

Mow, Sweep, Empty

## Content Page

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# Product Overview

## World's First 2-in-1 Self-emptying Lawn Sweeping Mower

Models: YUKA 1000 | YUKA 2000 | YUKA 3000

### Key Features

- ✨ **2-in-1 Self-Emptying Lawn Sweeping Mower**
- ✨ **UltraSense AI Vision:**
  - AI auto mapping
  - Seamless mowing under trees without signal issues
  - Intelligent Visual Fence
  - Precise corner-to-edge cutting
  - Smart Obstacle Identification & Avoidance
- ✨ **Carpet-like Lawn:** Enhanced dual cutting discs with 5 blades and 320mm cutting width
- ✨ **Creative Lawn Printing**
- ✨ **Effortless App Control:** Manage up to 30 different zones
- ✨ **Superior Terrain Adaptability:** Climbs 45% (24°) slopes without sweeper attachment, adapting to various garden terrains



# Installation Guideline & Technical Support

- **Put RTK antenna on the roof or higher wall or stand on the grounds 5 meters away from the wall.** YUKA does not require a line-of-sight view from every point in your lawn to the RTK reference station. But YUKA should work on the lawn with at least 90 degree open sky area. If you change the position of the RTK base station halfway, you need to reset the mowing map.
- **Firmware Updates:** Make sure **the app, robot mower, and RTK base station are all updated** to the latest firmware versions for optimal connectivity.
- **Mapping boundary 15cm distance from dangerous edge** like river, roads, high house wall.

## How-Tos Videos

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- How to set [Dumping Spots](#)

## Technical Support

Please contact your Mammotion representative to report the issue and upload the event log via the app so we can analyze the problem more effectively.

Click [HERE](#) to learn how to upload the event log.

If you experience connection issues, lack of signal, or other technical problems:

1. Please check the app, firmware, and RTK station are all updated to the latest versions.
2. Solve [4G Network, Bluetooth Connection](#) Issues



# First 2-in-1 Self-emptying Lawn Sweeping Mower



## First Self-emptying Lawn Sweeping Mower

YUKA isn't just a mower; it's your all-in-one lawn care solution. With its quick-attach sweeper kit, YUKA effortlessly **handles leaves, debris, and grass clippings**. It can even clear **twigs up to 3.5 cm in diameter**.



## Automatic Emptying at Designated Points

Customize up to **100 spots through the app**. YUKA navigates to the nearest one, handles leaf basket dumping, and resumes tasks for uninterrupted care.

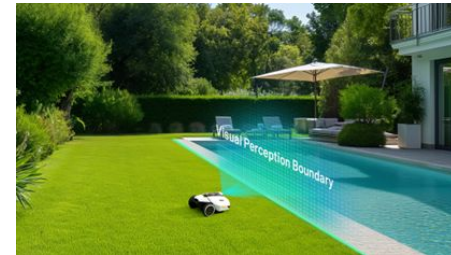
# Leading AI-powered Vision for any lawn care scenario.

## UltraSense AI Vision

- Powered by an advanced AI chip, UltraSense AI Vision matches L3 autonomous driving compute power, performing 5 trillion operations per second.
- With cutting-edge 3D Binocular Vision, it sets a new industry standard for flawless, intelligent lawn care.

## What It Can Do?

- **Automatic Lawn Mapping:** Through our intuitive app, a virtual map is automatically created along the boundaries. No special skills needed—a few taps are all it takes to set up. Once done, you can confidently leave all mowing tasks to YUKA, freeing you to enjoy your leisure time.
- **Unaffected By Tree Obstructions:** Ensures seamless mowing up to 300 meters, even in weak satellite areas. It resumes seamlessly once satellite coverage returns, ensuring uninterrupted lawn care.
- **Intelligent Visual Fence:** Detects invisible boundaries, ensuring it stays within designated mowing in areas without satellite signals. It uses advanced image processing to differentiate grass from non-grass surfaces, preventing entry into restricted areas.





# Smarter and Safer Object detection with UltraSense AI Vision

Small and medium lawns usually have more obstructions initially than large lawns.  
Hence, there are higher requirements for the obstacle avoidance.



## AI Object Identification and Avoidance

With UltraSense AI Vision, YUKA detects and avoids obstacles **as close as 2.5 cm**, dynamically adjusting paths for efficient mowing, while ensuring safety for children and pets.



## Corner-to-edge Cutting

YUKA's AI-driven algorithm ensures precise corner-to-edge coverage.

**Ride-on Boundary:** YUKA rides the edge for a clean cut. Just ensure a level pathway.



**Wall Boundary:** YUKA's smart navigation performs 1-3 extra passes along boundaries for a perfectly manicured lawn, minimizing missed spots. It achieves cutting precision within 5 cm\* of walls, ensuring a clean edge.



# Efficient Carpet-like Cutting



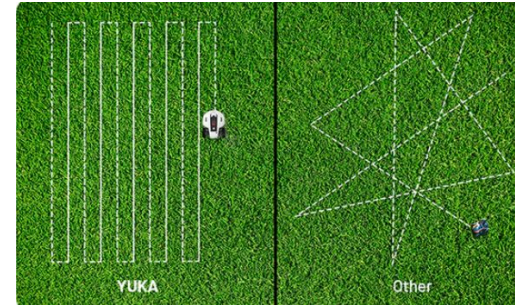
## Enhanced Cutting Efficiency and Better Anti-Clogging.

- Enhanced dual cutting discs with **5 razor blades**
- Enhanced 88w motor of cutting disc
- Anti-clogging Cutting Disc



## Enhances efficiency in tackling tall and thick grass.

- Dual 320mm cutting plates with adjustable heights—20-90mm globally and 30-100mm (1.2-4 inches) for US markets.
- The wide blade disc spacing prevents grass clippings from clogging the cutting disc, reducing the need for manual cleaning.



## Intelligent Route Planning

- YUKA's route algorithms **eliminate repetitive movements**, ensuring maximum efficiency and superior results.
- Diverse **mowing modes** like Parallel, Checkerboard, and Diamond Grid via the Mammotion App.



## Every Cut Matters with Terrain Floating Dual Disc

- YUKA feature **floating cutting disc** to delivery real carpet-like lawn.
- The dynamic height adjustments **ensures a uniform cutting height** on different terrain.

# Creative Lawn Printing

- YUKA transforms your lawn into a masterpiece, redefining outdoor aesthetics. Our AI-powered lawn printing algorithm seamlessly blends your personal style and family activities with your grass, creating unique designs, playful logos, badges, and messages.
- YUKA stays up-to-date with the latest designs, ensuring your lawn is always a trendsetter in the neighborhood.





# Manage up to 30 different mowing zones



## No Perimeter Wire Needed

- Automatic lawn mapping
- Eliminating the need for any wiring.

## In-APP Multi-zone Management

- Easily set up to 30 work zones. Even if your lawn is divided into multiple sections, you can create smooth pathways between them.
- Each mowing zone can have its unique schedule, mowing pattern, and cutting height—ensuring all your lawns remain in perfect condition even when you're on vacation.



## Easily Create No-go Zones

You can create no-go zones for plant beds or children's playgrounds or pools in App, YUKA will automatically avoid them.



# Easy App Control

✓ Automatic Scheduling: Mows the lawn according to your custom schedule.

☀️ Weather-Adaptive: Adjusts mowing tasks based on real-time weather.

🔋 Self-Charging: Returns to recharge and resumes work automatically.

📱 Remote Monitoring: Keep an eye on your yard anytime, anywhere with the Mammotion APP.

## Alexa/Google Voice control

YUKA, your AI gardener, responds to voice commands through Alexa or Google Home. Whether you're busy tending to children, enjoying a game, or simply relaxing, lawn maintenance has never been easier.



# Other Feature Highlights



## Whisper-Quiet Noise Level

During operation, YUKA maintains a noise level consistently below 60dB, ensuring no noise pollution is generated.



## Waterproof Performance

YUKA machine is IPX6 waterproof rated, while the RTK reference station boasts an IPX6 waterproof rating. It ensures exceptional durability, even in rainy and humid areas.



## Rain Detection

YUKA automatically adjusts its mowing schedule based on real-time weather conditions, thanks to its rain sensor and the seamless integration of the Mammotion app with local weather forecasts.



## FOTA Updates

Mammotion software continuously introduces new features and enhances user experience. It can be effortlessly downloaded at any time using FOTA (Firmware-Over-The-Air) technology.



## Completed Anti-theft Protection

**GPS tracking:** Keep tabs on YUKA's location with GPS, and get alerts if it strays.

**Ownership Verification:** The activator becomes the owner, with the ability to share access, and a "lost" mode to deter misuse.

**AirTag Compatibility:** For added security, YUKA supports AirTag integration, providing an extra layer of protection for your device.

**Geofence Alarm:** When YUKA is moved out of the geofence, the alarm will be automatically triggered.

# YUKA Series Specs Comparison

	YUKA 3000	YUKA 2000	YUKA 1000
Lawn Size	3,000m <sup>2</sup> (32,292ft <sup>2</sup> )	2,000m <sup>2</sup> (21,528ft <sup>2</sup> )	1,000m <sup>2</sup> (10,764ft <sup>2</sup> )
Max Zone Mgmt.	30	20	10
Battery Capacity	9Ah	4.5Ah	4.5Ah
Cutting Height	EU & AU: 20-90mm / US: 30mm-100mm (1.2-4 inches)		
Cutting Width	320mm / <b>Five</b> blades each disc		
Connectivity	Bluetooth <input checked="" type="checkbox"/> WIFI <input checked="" type="checkbox"/> 4G <input checked="" type="checkbox"/>		
Slope	45% (24°)		
Efficiency (Mowing area per charge)	700m <sup>2</sup>	350m <sup>2</sup>	350m <sup>2</sup>
Charging Time	220min	100min	100min
Mowing Time Per Charge	130min	65min	65min

[Complete Specs Sheet HERE](#)



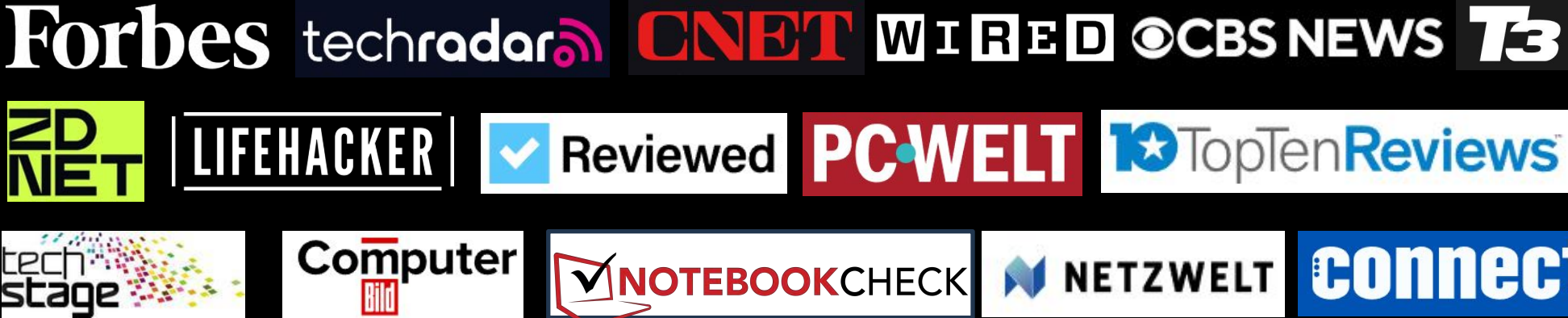
- Lithium-ion and replaceable battery
- Re-cutting at Stoppage Point
- Rain Detection
- Auto-Charging



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## Awards & Certificates



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Germany



Louisville,  
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**Thanks for your cooperation!**

