



MAMMOTION

2026 Range Catalogue



NEXT

SMART

GENERATION

PRECISE

NAVIGATION

VERSATILE

TECHNOLOGY

LiDAR TECHNOLOGY

Tri-Fusion Navigation: Signal Stability Where Others Fail

Integrating 360° LiDAR, NetRTK, and Dual-Camera AI Vision (1080P), the LUBA 3 AWD achieves a level of spatial awareness previously unseen in consumer robotics.

Mammotion's 360° LiDAR system features up to 100-meter range and a 59° vertical scanning angle, capturing everything from ground level to overhanging branches and generating a dense point cloud map for real-time obstacle detection.

**SEES
FAR
REACTS
FAST**



LUBA 3 AWD



NEW FOR 2026

Area Coverage

MSRP (inc. VAT)

LUBA 3 AWD 5000

5000m²

£2899

LUBA 3 AWD 3000

3000m²

£2399

LUBA 3 AWD 1500

1500m²

£2099



TRI-FUSION

Mammotion's new Tri-Fusion Positioning System – developed by Mammotion Atlas Lab – is the world's first solution to integrate LiDAR, RTK, and Vision to deliver unmatched precision, adaptability, and stability in autonomous lawn mowing.

By using LiDAR as the primary navigation method, Vision for rapid object recognition, and RTK for correction in certain situation, Tri-Fusion delivers centimeter-level precision, intelligent sensor switching, and all-scenario adaptability, enabling seamless navigation across any lawn and terrain.



THIS IS DURABILITY YOU CAN TRUST

ACCURACY YOU CAN SEE

How Tri-Fusion Works Across Different Scenarios

In these environments, LiDAR + Vision handles the primary mapping, delivering fast, accurate 3D mapping in just a few minutes — no wires or base stations required. In obstructed areas with trees, flowerbeds, or patios, LiDAR dominates the mapping process, ensuring high stability and precise navigation.



COMPLEX GARDENS

OPEN OR SPARSE AREAS



When a lawn has few visual reference points, very open spaces, or reflective surfaces, LiDAR may not provide optimal feedback. In these cases, RTK assists in positioning, improving overall accuracy and ensuring seamless mowing performance.

Mammotion's Tri-Fusion system intelligently switches between LiDAR, RTK, and Vision in real time, dynamically adapting to the environment. Even in mixed scenarios—partially obstructed areas, open spaces, or shaded lawns—the system maintains precision and stability, offering an all-terrain solution.

By addressing the weaknesses of both RTK and LiDAR, Mammotion has created a system that offers true universality. Homeowners no longer need to worry whether their lawn is “too shaded” or “too open” for a robotic mower to work. Landscapers and large property managers gain a tool that's equally effective on small gardens or vast estates.

Tri-Fusion Positioning System isn't just the next step — it's the breakthrough that transforms robotic mowing into a seamless, worry-free experience.



A TRUE VISIONARY

VISION POWERED NAVIGATION



Vision-based Navigation, using a revolutionary Tri-Camera system is present on models that do not feature LiDAR. Powered by an AI chip capable of a staggering 10 Trillion Operations Per Second. This allows the mower to act like a self-driving car, processing high-definition stereoscopic data to identify objects, plan paths, and adjust to environmental conditions in milliseconds.

300+ Obstacle Recognition

HDR cameras combined with Global Shutter technology deliver action-cam-level clarity and sensitivity, accurately detecting over 300 types of obstacles even in dynamic environments.



Auto Multi-Zone Mapping

YUKA mini 2 can automatically explore and map up to five consecutive zones. Just guide it once through each area, and it will remember your lawn layout, intelligently identifying the paths between zones as 'mowing channels'.



YUKA MINI 2



NEW FOR 2026

Area Coverage

MSRP (inc. VAT)

Yuka Mini 2 1000 (LiDar)

1000m²

£1199

Yuka Mini 2 800 (Vision)

800²

£949

PRECISION POWER



PINT-SIZED PACKAGE

LUBA MINI 2 AWD



NEW FOR 2026

Area Coverage

MSRP (inc. VAT)

Luba Mini 2 AWD 1500 (LiDar)

1500m²

£1699

**Luba Mini 2 AWD 1000
(Vision)**

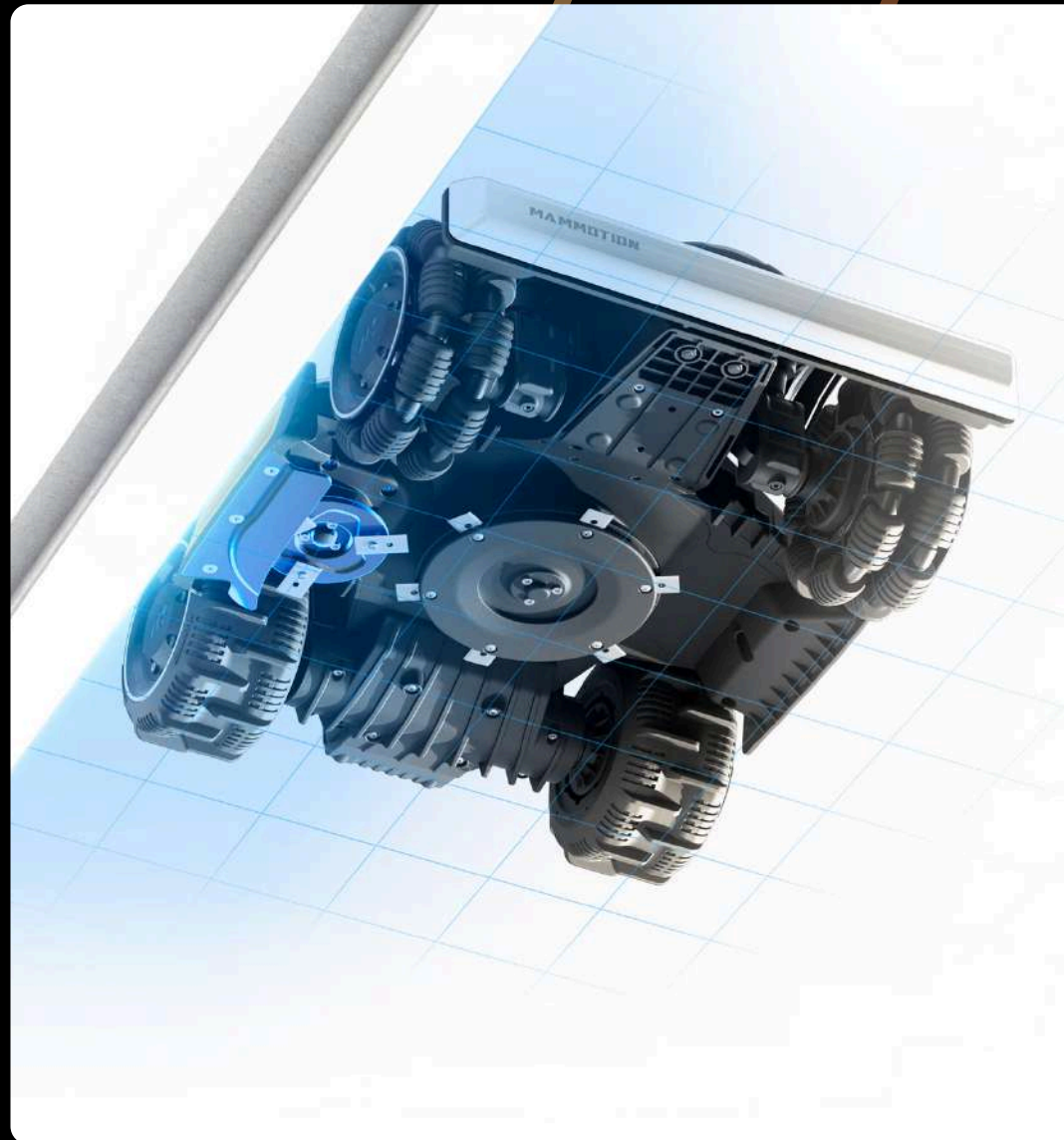
1000m²

£1399

Revolutionary "Main + Side" Dual-Disk Design

While standard robotic mowers typically feature a single cutting disk that leaves wide, uncut fringes, the LUBA mini 2 AWD introduces a sophisticated dual-disk system to minimize manual labour

It utilizes a synchronized system combining a Main Cutting Disk (6 blades) for bulk mowing and a Side Cutting Disk (3 blades) to reach areas the main disk cannot.



When mowing along edges where one side is lawn and the other is a different surface (e.g., a stone path or pavement), the side blade rides on the different surface to deliver a clean, precise cut along the boundary.

LUBA 2 AWD X



	Area Coverage	MSRP (inc. VAT)
LUBA 2 AWD 10000 X	10000m ²	£3499
LUBA 2 AWD 5000 X	5000m ²	£2199
LUBA 2 AWD 3000 X	3000m ²	£1899

LUBA MINI AWD



	Area Coverage	MSRP (inc. VAT)
LUBA Mini AWD 1500	1500m ²	£1399
LUBA Mini AWD 800	800m ²	£999



Mow Under Trees, Mow Anywhere, No Signal Worries

Thanks to UltraSense™ AI Vision, even in the event of satellite signal interruptions, LUBA can continue working for up to 300 meters without a hitch. Once the satellite connection is restored, the entire system seamlessly reconnects.

Intelligent Route Planning

With its precise positioning system, LUBA always follows the optimal mowing path, ensuring the highest efficiency while leaving behind neat and beautiful stripes.



Mow or Avoid

The AI algorithm in the vision system can distinguish whether an object ahead is tall, thick grass to be mowed or an obstacle to avoid, such as children or animals.

All-Wheel-Drive For 80% Slope (38.6°)

No Worries About Getting Stuck - The industry-leading AWD enables a maximum 80% climbing ability and vertical obstacle clearance of up to 50mm, easily overcoming common lawn obstacles like small pits and stones.



YUKA MINI



	Area Coverage	MSRP (inc. VAT)
YUKA Mini 800	800m ²	£649
YUKA Mini 600	600m ²	£549



Conquering Common Slopes

YUKA mini can climb 50% (27°) slopes, making it capable of operating in over 99% of residential lawns.

Intelligent Route Planning

The N-shaped mowing pattern adjusts its angle and overlap for healthier, more attractive turf. The continuous mowing algorithm lets YUKA mini resume from its last stop and autonomously return to the charging station when the battery is low.



Light Lawn Care

Weighing in at just 10.6kg, the YUKA mini is incredibly portable and user-friendly. Its lightweight design ensures easy transportation, storage and relocation.

Terrain Floating Disc

The floating cutting disc adjusts its height for optimal performance and precise cuts, even on slopes and uneven terrain.



NEW FOR 2026

All Models Specification

Luba 3 AWD



	LUBA 3 AWD 5000	LUBA 3 AWD 3000	LUBA 3 AWD 1500
Max. Mowing Size	5000m ²	3000m ²	1500m ²
Max. Multi-zone Management	50	30	15
Max. Climbing Ability	80% (38.6°)	80% (38.6°)	80% (38.6°)
Cutting Width	40cm	40cm	40cm
Cutting Height Adjustment	25-70mm	25-70mm	25-70mm
Cutting System	2 discs with 6 swing blades	2 discs with 6 swing blades	2 disc with 6 swing blades
Battery Capacity	15Ah	12Ah	9.6Ah
Positioning & Navigation	360° LiDAR + Vision (dual-camera) + Integrated RTK	360° LiDAR + Vision (dual-camera) + Integrated RTK	360° LiDAR + Vision (dual-camera)
Charging Time	145 min	120 min	90 min
Mowing Time per Charge	215 min	175 min	135 min
Voice Control	Alexa & Google Home	Alexa & Google Home	Alexa & Google Home
Connectivity	4G, WiFi & Bluetooth	4G, WiFi & Bluetooth	4G, WiFi & Bluetooth
Waterproof	IPX6	IPX6	IPX6
Weight	18.85kg	18.85kg	18.85kg

NEW FOR 2026

All Models Specification

LUBA Mini 2 AWD Series



	LUBA Mini 2 AWD 1500	LUBA Mini 2 AWD 1000
Max. Mowing Size	1500m ²	1000m ²
Max. Multi-zone Management	15	5
Max. Climbing Ability	80% (38.6°)	80% (38.6°)
Cutting Width	20cm + 11.5cm side blade	20cm + 11.5cm side blade
Cutting Height Adjustment	20-65mm	20-65mm
Cutting System	1 main disc with 6 swing blades + side blade with 3 swing blades	1 main disc with 6 swing blades + side blade with 3 swing blades
Battery Capacity	6.1Ah	6.1Ah
Positioning & Navigation	360° LiDAR + Vision (dual-camera)	Vision (tri-camera)+NetRTK
Charging Time	150 min	150 min
Mowing Time per Charge	120 min	150 min
Voice Control	Alexa & Google Home	Alexa & Google Home
Connectivity	4G, WiFi & Bluetooth	4G, WiFi & Bluetooth
Waterproof	IPX6	IPX6
Weight	15kg	15kg

NEW FOR 2026

All Models Specification

YUKA Mini 2 Series



	YUKA Mini 2 1000	YUKA Mini 2 800
Max. Mowing Size	1000m ²	800m ²
Max. Multi-zone Management	10	5
Max. Climbing Ability	45% (24°)	45% (24°)
Cutting Width	19cm	19cm
Cutting Height Adjustment	20-60mm	20-60mm
Cutting System	5 swing blades	5 swing blades
Battery Capacity	6.1Ah	4.5Ah
Positioning & Navigation	360° LiDAR + Vision (dual-camera)	Vision (tri-camera) + NetRTK
Charging Time	125 min	115 min
Mowing Time per Charge	135 min	120 min
Voice Control	Alexa & Google Home	Alexa & Google Home
Connectivity	WiFi & Bluetooth	4G, WiFi & Bluetooth
Waterproof	IPX6	IPX6
Weight	10kg	10kg

All Models Specification

Luba 2 AWD X



	LUBA 2 AWD 10000 X	LUBA 2 AWD 5000 X	LUBA 2 AWD 3000 X
Max. Mowing Size	10000m ²	5000m ²	3000m ²
Max. Multi-zone Management	60	30	20
Max. Climbing Ability	80% (38.6°)	80% (38.6°)	80% (38.6°)
Cutting Width	40cm	40cm	40cm
Cutting Height Adjustment	25-70mm	25-70mm	25-70mm
Cutting System	2 discs with 6 swing blades	2 discs with 6 swing blades	2 discs with 6 swing blades
Battery Capacity	15Ah	12Ah	12Ah
Auto-recharge	Yes	Yes	Yes
Positioning & Navigation	Ultrasense AI Vision & RTK	Ultrasense AI Vision & RTK	Ultrasense AI Vision & RTK
Obstacle Avoidance	Binocular Vision & Bumper	Binocular Vision & Bumper	Binocular Vision & Bumper
Voice Control	Alexa & Google Home	Alexa & Google Home	Alexa & Google Home
Connectivity	4G, WiFi & Bluetooth	4G, WiFi & Bluetooth	4G, WiFi & Bluetooth
Waterproof	IPX6	IPX6	IPX6
Weight	20kg	20kg	20kg

All Models Specification

LUBA Mini AWD Series



	LUBA Mini AWD 1500	LUBA Mini AWD 800
Max. Mowing Size	1500m ²	800m ²
Max. Multi-zone Management	15	10
Max. Climbing Ability	80% (38.6°)	80% (38.6°)
Cutting Width	20cm	20cm
Cutting Height Adjustment	20-65mm	20-65mm
Cutting System	1 disc with 6 swing blades	1 disc with 6 swing blades
Battery Capacity	6.1Ah	4.5Ah
Auto-recharge	Yes	Yes
Positioning & Navigation	Ultrasense AI Vision & RTK	Ultrasense AI Vision & RTK
Obstacle Avoidance	Binocular Vision & Bumper	Binocular Vision & Bumper
Voice Control	Alexa & Google Home	Alexa & Google Home
Connectivity	4G, WiFi & Bluetooth	4G, WiFi & Bluetooth
Waterproof	IPX6	IPX6
Weight	15kg	15kg

All Models Specification

YUKA Mini Series



	YUKA Mini 800	YUKA Mini 600
Max. Mowing Size	800m ²	600m ²
Max. Multi-zone Management	10	5
Max. Climbing Ability	45% (24°)	45% (24°)
Cutting Width	19cm	19cm
Cutting Height Adjustment	20-60mm	20-60mm
Cutting System	5 swing blades	5 swing blades
Battery Capacity	6.1Ah	2.4Ah
Auto-recharge	Yes	Yes
Positioning & Navigation	Ultrasense AI Vision & RTK	Ultrasense AI Vision & RTK
Obstacle Avoidance	Ultrasense AI Vision	Ultrasense AI Vision
Voice Control	Alexa & Google Home	Alexa & Google Home
Connectivity	4G, WiFi & Bluetooth	4G, WiFi & Bluetooth
Waterproof	IPX6	IPX6
Weight	10kg	10kg

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