



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 situations, 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

1500m²

£1399

LUBA Mini AWD 800

800m²

£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

800m²

£649

YUKA Mini 600

600m²

£549



50%

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.



Terrain Floating Disc

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

Conquering Common Slopes

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



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.



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

1000m²

800m²

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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