

Multi-Functional Robotic Mower

RM21



Key features

- **Exceptional mowing precision:** RM21 uses centimeter-level positioning (RTK + LiDAR).
- **Automatic mowing on complex terrain:** Detects terrain, obstacles, and trees for safe mowing on demanding surfaces.
- **Smart path planning and multi-zone management:** Optimized mowing paths and easy control of multiple areas.
- **Advanced safety features:** 360° obstacle detection, collision and lift sensors, and rain protection.
- **Reliable operation:** Automatically returns to the charging station when the battery is low and handles slopes up to 20°.
- **Mobile app control:** Easy management and monitoring via a mobile app.

Specifications

COMPLETE UNIT

| | |
|-----------------------|--------------------------|
| Weight | 170 kg (375 lb) |
| Dimensions | / 52.4 × 33.6 × 38.6 in. |
| IP rating | IPX4 |
| Operating temperature | 0–45°C |

Cutting System

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|----------------------------|--|
| 72-hour max mowing area | Fast charging mode: 108,000 m ² (26.7 acres) |
| | Standard charging mode: 93,600 m ² (23.1 acres) |
| Max mowing area per charge | 12,000 m ² / 3 acres |
| Cutting height | 20–127 mm / 0.8–5 in. |
| Cutting width | 635 mm / 25 in. |
| Max climbing ability | 20° |
| Recommended working slope | 15° |
| Travel speed | 0–6 km/h / 0–3.7 mph |

Battery & Charging

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|------------------|--------------------|
| Battery capacity | 4 kWh |
| Max working time | 5 h |
| Charging time | Standard: 5 h |
| | Fast charging: 3 h |

ADD-ONS

LM01

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|-----------------------------|---|
| Weight | 68 kg (150 lb) |
| Dimensions | 1515 × 853 × 1051 mm / 59.6 × 33.6 × 41.4 in. |
| IP rating | IPX4 |
| Max marking speed | 3 km/h / 1.9 mph |
| Paint tank capacity | 25 L / 5.5 gal |
| Line width range | 50–170 mm / 2–6.7 in. |
| Nozzle height | 30–80 mm / 1.2–3.1 in. |
| Operating temperature | 5–35 °C |
| Max marking time per charge | 20 h |

GC01

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|-------------------------|--|
| Weight | 100 kg (220 lb) |
| Dimensions | 1260 × 960 × 740 mm / 49.6 × 37.8 × 29.1 in. |
| Grass collection height | 20–50 mm / 0.8–2.0 in. |
| Collection width | 800 mm / 31.5 in. |
| Max travel speed | 3 km/h / 1.9 mph |
| Max collection volume | 150 L / 33 gal |
| Max climbing ability | 8° |
| IP rating | IPX4 |
| Operating temperature | 0–45 °C |

BP01

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|---------------------|---|
| Weight | 70 kg (154 lb) |
| Dimensions | 1480 × 1120 × 590 mm / 58.3 × 44.1 × 23.2 in. |
| Picking width | 900 mm / 35.4 in. |
| Basket count | 2 |
| Capacity per basket | 400 golf balls |

DB01

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|---------------|---|
| Weight | 28 kg (61.7 lb) |
| Length | Single section: 1000 mm / 39.4 in. Three sections: 2930 mm / 115.4 in. |
| Brush lift | Supported |
| Brush folding | Supported |