peppermint™ robotics

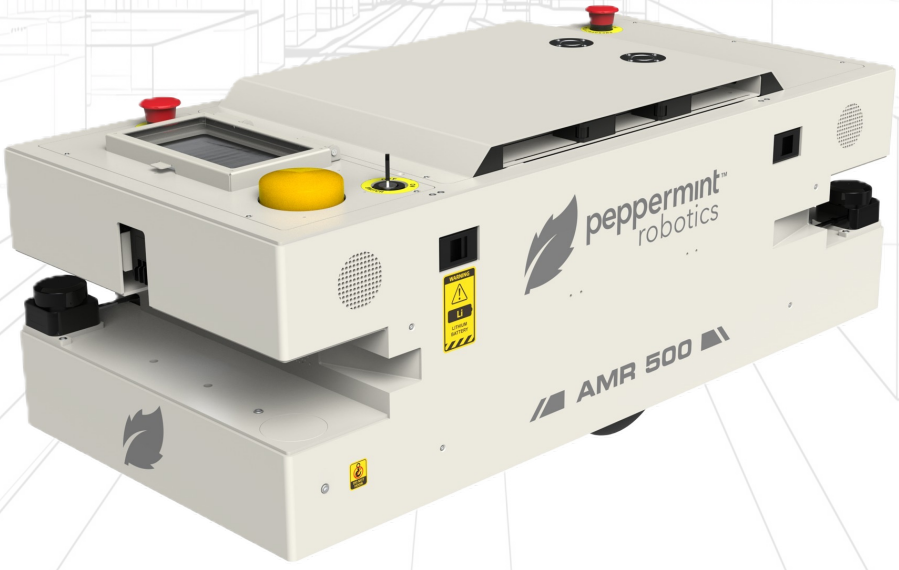
Universal Autonomous Mobile Robot

# Universal AMR

## Material Handling Robot

# AMR 500

SAFETY COMPLIANT



## UAMR 500 — Technical Specifications

| PARAMETER | DETAILS |
|---|---|
| **DIMENSIONS & PAYLOAD** | |
| Dimensions — L × W × H | 850 × 400 × 350 mm |
| Ground Clearance | 25 mm |
| Rated Load | 500 kg (towing) |
| **PERFORMANCE** | |
| Rated Speed | Up to 1 m/s |
| Navigation | Autonomous, Bi-Directional |
| Operation Mode | Manual / Autonomous |
| **BATTERY & CHARGING** | |
| Battery | 48 V · 36 Ah, Li-Ion |
| Charger | 48 V / 750 W — Single Phase, Automatic |
| Battery Run-Time | 4 hrs |
| Charging Time | 4 hrs |
| Battery Swapping | Yes |
| **SOFTWARE & CONNECTIVITY** | |
| Operating System | Peppermint OS |
| Traffic / Workflow Management | Peppermint Fleet Manager |
| Fleet Manager | VDA 5050 Compliant |
| Connectivity | Wifi / LTE |
| **SAFETY & COMPLIANCE** | |
| Safety | 2× E-Stop, Beacon-Buzzer, Key Switch, Safety Edge |
| Functional Safety | Yes (Optional) |
| Compliance | Multiple Compliances - 3691-4 Compliant or DAS Guidelines Compliant |







**500 kg Payload**
Rated load of 500 kg for towing

**Battery Swap**
Swappable Li-Ion — 4 to 6 hr run-time

**VDA 5050**
Fleet Manager with OPC-UA connectivity

**Safety Compliant**
Compliant with DAS safety guidelines

peppermint robotics

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Enterprise Data Protection

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*All specifications are accurate at the time of testing. Actual performance may vary.

*All information provided in the collateral is subject to change without prior notice.

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Made in India