

FLEXLEY TUG

AMR T411

The perfect automation solution: easy to install, easy to manage and easy to maintain.

Our AMR T411 performs logistic transportation in an industrial environment in a fully automatic and safe way.

This mobile robot is a robust, reliable and well-established vehicle in the market. It passes the most rigorous validation checks, working in countless automatic logistical projects and processes with intensive use.

Featured by its proven performance, AMR T411 provides optimal availability which leads to high productivity, lower operating costs and time savings.

Robust

Reliable solution for transporting up to 600 N. AMR T411's fast charging technology enables higher availability even in intensive use (3 shifts 24/7). Equipped with an advanced lithium battery, the robot's battery lifetime is increased fourfold and maintenance is reduced.

Simple

Our unique safety design integrates a safety PLC, a state-of-the-art safety laser and advanced safety control algorithms.

Flexible

Easy to integrate, ensuring great flexibility when organizing the industrial flows being automated. The vehicle is designed to reach very low and high speeds to suit different applications with precise stopping accuracy.

Connected

Through real-time communication and by monitoring every vehicle of each unit or system.

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| Towing capacity | 600 N |
| Maximum payload | 1200 kg |
| Dimensions (L×W×H) | 1700 × 520 × 370 mm |
| Movement | Unidirectional |
| Navigation system | Magnetic + RFID tags |
| Speed range | From 0.01 to 1.2 m/s |
| Turning radius | 1150 mm |
| Positioning accuracy | Up to ± 10 mm |
| Manual movement | Control Pad Clutch system |
| Battery | Li-Ion 24 V 40 Ah |
| Charging system | Online charging system (brushes) External charger |
| Environment | Indoor |
| Safety systems | 1 × Safety PLC 1 × Safety laser for indoor environment 1 × Emergency stop button |
| Optional elements | M2M module + Connected Services Rear hook Extra I/O connector |
| Fleet management system | SIGAT MultiAGV SIGAT PLC |
| Communication | WiFi Radio frequency system M2M |
| Connectivity | 1 × HMI, WiFi; USB & Ethernet (optional) Through IT: capture boxes, PLC interface (OPC), ERP, MES, WMS, tablets |

