

FLEXLEY TUG

AMR T412

Do it the easy way! AMR T412 is the perfect automation solution. Easy to install, easy to manage and easy to maintain.

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This mobile robot performs logistic transportation in an industrial environment in a fully automatic and safe way. Our AMR T412 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 simplicity, AMR T412 provides optimal performance which leads to high productivity, lower operating costs and time savings.

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Robust

Reliable solution to transport up to 1200 N in intensive use (3 shifts 24/7).

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Simple

Easy to integrate, ensuring great flexibility when organizing the industrial flows being automated.

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Flexible

Quick adaptation to any changes in the layout.

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Connected

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

Towing capacity	1200 N
Maximum payload	1200 kg
Dimensions (L×W×H)	2410 × 520 × 370 mm
Movement	Bidirectional
Navigation system	Magnetic + RFID tags
Speed range	From 0.01 to 1.2 m/s
Turning radius	1000 mm
Positioning accuracy	Up to ± 10 mm
Manual movement	Control pad Wireless remote control External tool - optional
Battery	Li-ion 24 V 40 Ah
Charging system	Online charging system (brushes) External charger
Environment	Indoor
Safety systems	1 × Safety PLC 2 × Safety laser for indoor environment 2 × Emergency stop button
Optional elements	M2M module + Connected Services Extra I/O connector
Fleet management system	SIGAT MultiAGV SIGAT PLC
Communication	WiFi Radio frequency system M2M
Connectivity	2 × HMI, WiFi; USB & Ethernet (optional) Through IT: capture boxes, PLC interface (OPC), ERP, MES, WMS, tablets

