

FLEXLEY TUG

AMR T702



New cutting-edge AMR generation, compact, agile and connected. It enables flexible layouts and complex movements to optimize your operations more than ever.

Our AMR T702 incorporates new features, keeping the essence of our well-established Flexley Tug.

With great load capacity and reduced dimensions, this innovative vehicle is able to adapt to a wide variety of load carriers for the automation of logistic flows and provide an ergonomic solution in assembly lines.

Ultimate configurations and communication technologies for Industry 4.0 to offer accurate and collaborative autonomous productive operations with total safety thanks to superior safety measures.

Compact

Reduced dimensions and low height, making them easily adaptable to the environment and different applications.

Safe

Redundant 'safety PLC' and advanced configurations which ensure fully safe automatic operations.

Agile

Increase your productivity thanks to its high speed and total manoeuvrability.

Smart

Traceability through real-time communication and by monitoring every vehicle of each unit or system. Vehicles connected to your systems, allowing you control the AMRs and your facilities.

Towing capacity	1600 N
Maximum payload	2000 kg*
Dimensions (L×W×H)	2104 × 500 × 230 mm
Movement	Bidirectional
Navigation system	Magnetic + RFID tags SLAM + Magnetic dual navigation (optional)
Speed range	From 0.01 to 1.5 m/s**
Turning radius	600 mm
Positioning accuracy	Up to ± 10 mm
Manual movement	Control pad Wireless remote control External tool - optional
Battery	Li-Ion 48 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	Extra I/O connector
Fleet management system	SIGAT MultiAGV SIGAT PLC
Communication	WiFi Radio frequency system
Connectivity	2 × HMI, WIFI; USB & Ethernet Through IT: capture boxes, PLC interface (OPC), ERP, MES, WMS, tablets

* 1000 kg for SLAM-Natural navigation

** Maximum speed depends on the navigation technology. SLAM navigation is faster than magnetic guidance (1.2 m/s)

