

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.

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**Compact**

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

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**Safe**

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

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**Agile**

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

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**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	Up to 2000 kg*
Dimensions (L×W×H)	2104 × 500 × 230 mm
Movement	Bidirectional
Navigation system	Magnetic + RFID tags Visual SLAM (predefined virtual path)
Speed range	From 0.01 to 1.5 m/s with Visual SLAM (max load) From 0.01 to 1.7 m/s with Visual SLAM (no load) From 0.01 to 1.2 m/s with Magnetic guidance
Turning radius	600 mm
Positioning accuracy	Up to +/- 3 mm** for a single AMR with Visual SLAM Up to +/- 5 mm** for an AMR fleet with Visual SLAM Up to +/- 10 mm for Magnetic guidance
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 Bluespot
Fleet management system	SIGAT MultiAGV SIGAT PLC AMR Studio Fleet Manager
Communication	WiFi Radio frequency system
Connectivity	2 × HMI, WiFi; USB & Ethernet Through IT: capture boxes, PLC interface (OPC), ERP, MES, WMS, tablets

\* Maximum payload may vary according to the trolley design

\*\* Accuracy stop value depends on several parameters such as environment conditions, fleet size or camera occlusion, among others

