



MOUSE LINE

BidiBOT 2000

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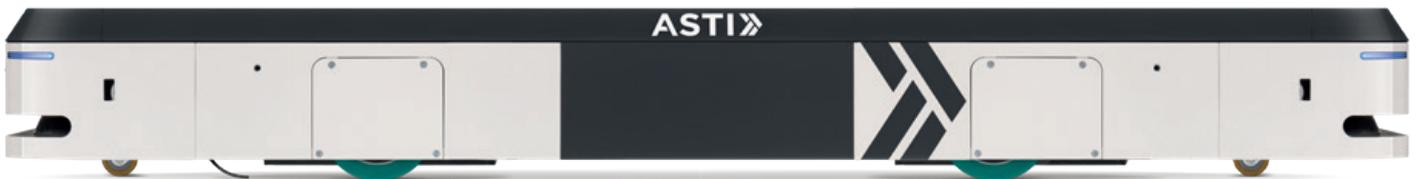
New cutting-edge AGV generation, compact, agile and connected. It enables flexible layouts and complex movements to optimize your operations more than ever.

Our BidiBOT 2000 incorporates new features, keeping the essence of our well established Mouse line.

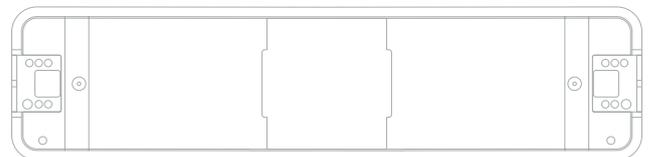
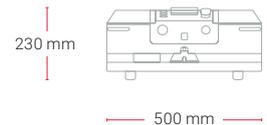
With great load capacity and reduced dimensions, these innovative vehicles are able to adapt to a wide variety of load carriers for the automation of logistic flows and provide an ergonomic solution in assembly lines.

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 ensures a completely safe automatic performance.
- **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 AGVs and your facilities.



Towing capacity	1600 N
Maximum payload	2000 kg*
Dimensions (LxWxH)	2104 x 500 x 230 mm
Movement	Bidirectional
Navigation system	Magnetic + RFID tags SLAM - Natural with predefined virtual path (optional)
Speed range	From 0.05 to 2 m/s**
Turning radius	600 mm
Positioning accuracy	Up to ± 10 mm
Manual movement	Control pad (external tool - optional)
Battery	Li-Ion 48 V 40 Ah
Charging system	Online charging system (brushes) External charger
Environment	Indoor
Safety systems	2 x Safety PLC 2 x Safety laser for indoor environment 2 x Emergency stop button
Optional elements	M2M module + Connected Services Extra I/O connector
Fleet management system	SIGAT MultiAGV
Communication	WiFi Radio frequency system M2M (optional)
Connectivity	2 x HMI, WiFi; USB & Ethernet (optional) Through IT: capture boxes, PLC interface (OPC), ERP, MES, WMS, tablets



*1000 kg for SLAM-Natural navigation
**Depends on navigation technology