



The flexible platform AGV for intralogistics

Melkus F52

Under-running, lifting and transporting load carries – these are the tasks of the intelligent platform AGV from the Melkus series. The flat constructed Melkus F52 combines advanced technology with an industrially oriented design.

Technical Data

Load capacity:	1,000 kg
Speed:	1.5 m/s
Navigation:	SLAM navigation
Dimensions:	1,390 mm x 520 mm x 225 mm / 255 mm raised (L x W x H)
Weight:	98 kg
Lifting height:	30 mm

Melkus Mechatronic

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Flexible

- Clever „Multi-Differential Steering“ enables use in the tightest space
- Free motion of the AGV in all directions
- SLAM navigation
- Operation and diagnostics also with smart devices
- Easy integration into existing systems

Intelligent

- High personnel safety via laser scanner
- Compact automation solution from SIGMATEK
- WLAN communication with the guidance system
- Gentle material transport and low floor wear via smart drive technology
- Flexible task creation



Efficient

- Reduced distance via lateral travel capability
- LiFePo4 high-performance power-packs allow 4-hr operation
- Short battery charging times
- Energy efficiency via low net weight
- Platform accessible from all sides

Application Areas

- Point-to-point transport
- Transport tasks in limited space conditions
- Material and workpiece transport within the production
- Storage logistics and commissioning tasks

