



The flexible pallet AGV for intralogistics

Melkus G130 Gen. 2.0

Under-running, lifting and transporting Euro-pallets – these are the tasks of the intelligent pallet AGV from the Melkus series. The Melkus G130 Gen. 2.0 combines advanced technology with an industrially oriented design.

Technical Data

Load capacity:	1,200 kg
Speed:	1.5 m/s
Navigation:	SLAM lidar navigation (+/- 1cm)
Dimensions:	1,663 mm x 604 mm x 827 mm (L x W x H) without mast Signal main mast: Standard height 2,235 mm
Weight:	222 kg
Lifting height:	240 mm
Turning diameter:	1,704 mm or 1,783 mm with Euro pallet
Drive concept:	Omni-directional
Fork height:	90 mm
Fork length:	1,300 mm

Melkus Mechatronic

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Flexible

- Clever "Multi-Differential Steering" enables use in the tightest space
- Free range of motion 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 path via transverse drive capability
- LiFePo4 high-performance power-packs allow 4-hr operation with full charge
- Short battery charging times
- Energy efficiency via low net weight

Application Areas

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



Features

- 4.3" Touch panel
- LED status display in hood and laser mast
- Safety light with arrow projection
- Laser-supported pallet recognition

Optional Accessories

- Load-securing bracket
- 3D camera-based collision detection
- 2D barcode scanner