Melkus HLG130

Lifting, moving, transporting and transferring load carriers – these are the tasks of the best-selling, intelligent Melkus pallet AGV. The Melkus HLG130 combines the latest technology with industrial-grade design. It offers high payload capacity with high lifting height and minimal space requirements, with a focus on safety.

Technical data

Load capacity:	1,300 kg
Speed:	1,5 m/s
Navigation:	SLAM Lidar Navigation (+/- 1 cm)
Dimensions:	1,801 mm x 800 mm x 1,721 mm (L x B x H) without pillar Signal pillar: standard height 2,236 mm
Weight:	400 kg
Lifting height:	800 mm
Turning circle diameter:	1,833 mm / 1,946 mm with Euro pallet
Drive technology:	Omnidirectional
Fork height:	87 mm
Fork length:	1,300 mm

Melkus Mechatronic

The flexible Pallet AGV for intralogistics
Melkus HLG130

Flexible

- 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 (REST API, MQTT, VDA 5050)

Intelligent

■ High personnel safety via four 275° laser scanners ■ Compact automation solution from SIGMATEK ■ WLAN communication with the guidance system ■ Gentle material transport and low floor wear due to smart drive technology ■ Flexible task creation

Efficient

■ Reduced path due to transverse drive capability ■ Free standing lifting forks facilitate load handling ■ LiFePo4 high performance power-packs with battery capacity of 2x 1.1 kWh ■ Always ready for use via innovative wireless charging technology ■ No wear of the charging contacts ■ Energy efficiency due to low net weights ■ Low maintenance due to modular design

Application areas

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

Features

■ 4.3" touch panel ■ LED status display in cover and laser pillar ■ Safety light with arrow projection ■ Laser-supported pallet detection

Optional accessories

■ Load-supporting bar ■ 2 additional batteries ■ Mounting of further sensors on request (barcode scanner, 3D camera etc.) ■ 7" Touchdisplay