

EvoCarrier

Powerful buddy

The EvoCarrier is an autonomous transport system with a wide range of applications. Thanks to a platform width of < 215 mm and an underclearance of < 100 mm, the EvoCarrier fits perfectly under trolleys and racks. The integrated lifting unit loads or unloads automatically, holding ≤ 120 kg. With our integrated floor localization (ELM), position accuracy is achieved with a deviation of < 1 mm. The fusion of sensor data (e. g. ELM and LIDAR) enables the EvoCarrier to simultaneously localize and map in space (SLAM).



BASIC FEATURES:

Dimension:	887 x 370 x 791 mm	Underclearance:	< 100 mm
Speed:	1 m/s	Position accuracy:	< 1 mm
Stack height:	max. 1200 mm	Safety technology:	integrated safety scanner, safety PLC
Multi-function:	small load carrier, pallet transport, moving of mobile racks via index points	Markerless localization:	laser localization (SLAM), Evocortex Localization Module
		Integrated lifting unit:	lifting capacity ≤ 120 kg

TRANSPORT-ROBOTS FOR TROLLEYS AND RACKS ≤ 120 KG

TROLLEYS:

Commercially available trolleys (e.g. K. Hartwall Co.), Wheel spacing at least 212 mm
Pick-up of the trolleys via lowerable loading area with SLC (Dimension e.g. 400 x 600 mm)
Driving in supermarket lanes (e.g. floor rails from Orgatex Co.)

RACKS:

Customized shelf systems
Position is held /fixed via index points
Flexibility of use: 1 robot platform for a wide range of rack variants

Get in touch for
a demonstration



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