

Pallet Mover 800 - MiR

The Pallet Mover enables the Mobile Robots to pick up and deliver pallets – transporting them to e.g. production lines or packing stations, thereby enhancing internal logistics.

The Pallet Mover's integrated technology enables communication to external roller conveyors by wireless signals. A Nord Modules dock target can be installed in front of an existing conveyor line allowing the PM800 to successfully dock and receive or deliver a pallet.

This fully automated premium solution allows heavy payload transportation of up to 1200 kg to optimize logistics and production.



WORKS WITH

Dock Target



Within footprint of compatible AMRs



Able to dock from both ends



Transport of EU- and half size pallets



High industrial level of quality



Max payload of 1200 kg

Specifications

General information

Designated use

Robot compatibility

Weight

Disclaimer

For autonomous receive and unload of EUR-pallets from conveyor

MiR500, MiR600, MiR1000, MiR1350

150 kg | 330.7 lbs

Specifications may vary based on local conditions and application setup

Dimensions

Length

Width

Height

Height from floor to top of rollers

Center distance between rollers

Transport area

1 340 mm | 52.8 in

910 mm | 35.8 in

165 mm | 6.5 in

450 mm | 17.7 in (extension up to 600 mm)

94,6 mm | 3.7 in

840 x 1300 mm | 33 x 51.2 in

Payload

Max payload capacity

1 200 kg | 2 646 lbs (See AMR max load)

Performance

Pallet speed

“Roll through solution”

Safety

Automatic synchronization of speed

Data collection

Stack light

200 mm/sec | 7.9 in/sec

Loading and delivery from front and rear end

4-sided guard rails, breaks on all rollers

From 0 mm to 200 mm/sec

High level of feedback - Error codes + data transfer to AMR

Front & rear with information of operating-level and service status

Pallets

EUR-pallets dimensions
Pallet production specifications
2 x half pallets

1 200 x 800 mm | 47.2 x 31.5 in
EN 13698-1
2 x (600 x 800 mm | 23.6 x 31.5 in)

Option

Rollers
Fixed extension kit

Rubber coating
Conveyor height from 450 mm to 600 mm, (surface/top of rollers)
more on request

Lifting unit kit
Weight measuring

Conveyor height from 550 mm to 700 mm, more on request
Loadcell-kit for measurement of payload

