

NORD PM800-OMRON MD

The Pallet Mover enables the AMRs 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 on 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 500 kg for Omron MD-650 and 750 kg for MD-900 to optimize logistics and production.



NORD compatibility

NORD Dock Target, NORD Pallet Rack MD & NORD Spacer Kit

OMRON compatibility

OMRON MD-650 & OMRON MD-900

Designated use	For autonomous loading of EU- & US-size pallets from conveyor
Robot compatibility	Omron MD-650 & Omron MD-900
NORD compatibility	NORD Dock Target NORD Pallet Rack MD NORD Spacer Kit
Weight	140 kg 308.6 lbs
Max payload capacity	500 & 750 kg 1 102 & 1 653 lbs (without Spacer Kit)

Disclaimer

Specifications may vary based on local conditions and application



Minimum 600.000+ loads



High level of feedback



Transport of EU- and US-size pallets



High industrial level of quality



Max payload of up to 500 & 750 kg

Specifications



Performance

Pallet speed	200 mm/sec 7.9 in/sec
“Roll through solution“	Loading and delivery from front and rear end
Safety	4-sided guard rails, breaks on all rollers
Automatic synchronization of speed	From 0 mm to 200 mm/sec
Data collection	Error codes + data transfer to AMR

Optional Add-ons

1. Payload detection sensor	Detects whether there is an object at the dock
2. Barcode system (QR scanner)	For scanning QR/barcode on goods at the gate
3. Payload measurement kit	Weighing the load being transported
4. Blue light signal interface	Connection available for attachment of a blue light

Dimensions

Length	1 344.2 mm 52.92 in
Width	940 mm 37 in
Height	171 mm 6.73 in
Height from floor to top of rollers	454 mm 17.87 in (extension up to 800 mm)
Center distance between rollers	95.8 mm 3.8 in
Roller diameter	70 mm 2.75 in
Transport area	1 215 x 874 mm 47.83 x 34.4 in