Top Modules
- TMC300
- TMC300 Ext

Carts/Racks
- Cart300
- Cart300

Accessories
- Cart300 Rails

Docking Stations
- DS100/200P Floor
- DS100/200P Ext Floor
- DS100/200P Wall
- DS100/200E Floor
- DS100/200E Ext Floor
- DS100/200E Wall

ROEQ
Cart solution

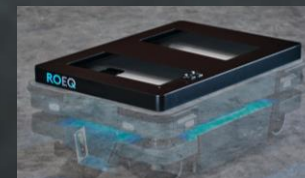Works with

MiR 100

MiR 200

MiR 250

with

AM250

Top Module

TMC300

Designed for the MiR100/MiR200/MiR250* to support internal transport of pallets, skids, boxes etc. with Cart300.
The top module is designed to be used with two different docking interfaces: "Precision" and "Easy-Pull-Out".
*with AM250

Works with

Robot
MiR100

Robot
MiR200

Robot
MiR250 with AM250

Cart
Cart300

Specifications

Size
800x600x70mm

Payload
MiR100: 150kg/330lbs
MiR200/250: 300kg/660lbs

150 kg   300 kg

The top module locks the cart during transport

Features

Fits "Precision" docking system

Fits "Easy-Pull-Out" docking system

ROEQ
ROBOTIC EQUIPMENT

TMC300 Ext

Designed for the MiR100/MiR200/MiR250*
to support internal transport of pallets, skids,
boxes etc. with Cart300. The pallets etc. can
have a lengths up to 1,2m.
The top module is designed to be used with
two different floor mounted docking
interfaces: "Precision" and "Easy-Pull-Out".
*with AM250

Specifications

Size
560x1200x70mm

Payload
MiR100: 150kg/330lbs
MiR200/250: 300kg/660lbs

150 kg   300 kg

The top module locks
the cart during transport

Works with

Robot	Robot	Robot
MiR100	MiR200	MiR250 with AM250

Cart

Cart300

Features

Fits "Precision"
docking system

Fits "Easy-Pull-Out"
docking system

ROEQ
ROBOTIC EQUIPMENT

Cart

Cart300

The basic functionality is to use MiR100/MiR200/MiR250* to move Cart300 between logistic key points. Flexibility is added to your facility with the possibility to use several carts in the same fleet.
It is designed to be used with either "Easy-Pull-Out" or "Precision" docking system.
*with AM250

Works with

Robot	Robot	Robot
MiR100	MiR200	MiR250 with AM250

Use the same cart with different top modules in one fleet

TMC300	TMC300 Ext

Specifications

The top module locks the cart during transport

Payload
MiR100: 150kg/330Ibs
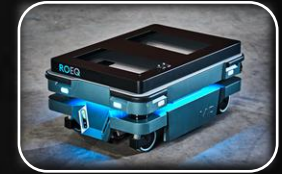MiR200/250: 300kg/660lbs

150 kg   300 kg

Frame size
800mm/800mm

Features

Fits "Precision" docking system

Fits "Easy-Pull-Out" docking system

ROEQ
ROBOTIC EQUIPMENT

Docking Station

Easy-Pull-Out docking

When the MiR100/MiR200/MiR250* places the cart or rack in the "Easy-Pull-Out" docking station. The cart or rack can easily be pulled out and pushed back into the docking station, should this be required.
*with AM250

Works with

Top module	Top module	Top module
TMC300	TMC300 Ext	TMR150

Rack	Cart
Rack150	Cart300E

Specifications

Size - Floor mounted
Length 800mm
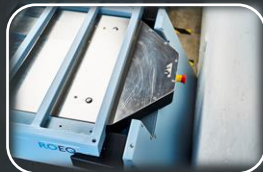Width 250/385mm
Height 440mm

Size - Wall mounted
Length 800mm
Width 85/220mm
Height 480mm

Features

A specially designed floor mounted docking station fits top module TM300Ext

Easy to remove the cart from the docking station

ROEQ
ROBOTIC EQUIPMENT

Precision docking

When the MiR100/MiR200/MiR250* places the Cart300 in the "Precision" docking station, the cart is locked and precisely positioned relative to e.g. an assembly line or a robot arm.
*with AM250

Works with

Top module

TMC300

Top module

TMC300 Ext

Cart

Cart300P

Specifications

Size - Floor mounted
Length 800mm
Width 250/385mm
Height 440mm

Size - Wall mounted
Length 800mm
Width 85/220mm
Height 480mm

Features

A specially designed floor mounted docking station fits top module TM300Ext

Precision docking system with a precision of ±1 mm

ROEQ
ROBOTIC EQUIPMENT

Top Module
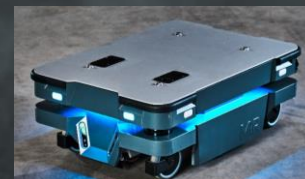
TMR150

Designed for the MiR100/MiR200/MiR250*
to support internal transport of pallets, skids,
boxes etc. with Rack150.
The top module is designed to be used with
docking interfaces:"Easy-Pull-Out".
*with AM250

Works with

Robot

MiR100

Robot

MiR200

Robot

MiR250 with AM250

Rack

Rack150

Specifications

Size
800x600x70mm

Payload
MiR100: 50kg/110lbs
MiR200/250: 150kg/330lbs

50 kg   150 kg

The top module lifts
the rack during transport

Features

The rack is lifted from the
ground during transport

Fits "Easy-Pull-Out"
docking system

ROEQ
ROBOTIC EQUIPMENT

Rack150

The basic functionality is to use MiR100/MiR200/MiR250* to move Rack150 between logistic key points. Flexibility is added to your facility with the possibility to use several racks in the same fleet. It is designed to be used with docking interface: "Easy-Pull-Out".

*with AM250

Works with

Robot	Robot	Robot
MiR100	MiR200	MiR250 with AM250

Top Module

TMR150

Specifications

The top module lifts the rack during transport

Payload
MiR100: 50kg/110lbs
MiR200/250: 150kg/330lbs

50 kg   150 kg

Frame size
800mm/800mm

Features

The rack is lifted from the ground during transport

Fits "Easy-Pull-Out" docking system

ROEQ
ROBOTIC EQUIPMENT

Easy-Pull-Out docking

When the MiR100/MiR200/MiR250* places the cart or rack in the "Easy-Pull-Out" docking station. The cart or rack can easily be pulled out and pushed back into the docking station, should this be required.
*with AM250

Works with

Top module

TMC300

Top module

TMC300Ext

Top module

TMR150

Rack

Rack150

Cart

Cart300E

Specifications

Size - Floor mounted
Length 800mm
Width 250/385mm
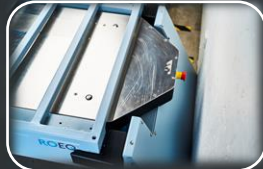Height 440mm

Size - Wall mounted
Length 800mm
Width 85/220mm
Height 480mm

Features

A specially designed floor mounted docking station fits top module TM300Ext

Easy to remove the cart from the docking station

ROEQ
ROBOTIC EQUIPMENT

Top Modules	
TML150	TML1000
Accessories	
TML150 Forks	
Docking Stations	
DS100/200L Adjust	DS Standalone
DS100/200L	

ROEQ
Lifter solution

Works with

MiR 100

MiR 200

MiR 250

with

MiR 500

MiR 1000

AM250

Top Module

TML150

Designed for the MiR100/MiR200/MiR250*
to support internal transport of pallets, skids,
boxes etc. The TML150 has a built-in lifting
mechanism that enables easy pick up of
pallets etc.
*with AM250

Works with

Robot	Robot	Robot
MiR100	MiR200	MiR250 with AM250

Accessories

TML150 Forks

Specifications

Size
800x600x70mm

Payload
MiR100: 50kg/110lbs
MiR200/250: 150kg/330lbs

50 kg   150 kg

Lifter area
800mm/600mm

Features

Can be customized to
support a variety of pallets
and fixtures

Unloads the goods by
lowering the top module

ROEQ
ROBOTIC EQUIPMENT

Docking for lifter

When MiR100/MiR200/MiR250* arrives at the docking station, the TML150 lifting mechanism enables the loading and unloading of goods to e.g. an assembly line. There are two different docking stations for the top module TML150. One with fixed height and one with adjustable height.
*with AM250

Works with

Top module	Accessories
TML150	TML150 Forks

Specifications

Size - Fixed height
Length 960mm
Height 519mm
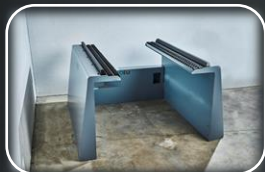
Size - Adjustable height
Dist. Btw. roller tracks
450-950mm
Height
520-720mm

ROEQ
ROBOTIC EQUIPMENT

Top Module

TML1000

The basic functionality of the TML1000 is to pick up and deliver goods in different heights. TML1000 works with pallet racks, stationary pick-up stations with rollers/gravity rollers. Working height: 460-710 ±3 mm.
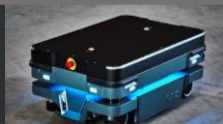
Works with

Robot

MiR500

Robot

MiR1000

Highest position

Lowest position

Specifications

Lifter area
1264mm/820mm

Payload
MiR500: 500kg/1102lbs
MiR1000: 1000kg/2204lbs

500 kg   1000 kg

ROEQ
ROBOTIC EQUIPMENT

Top Modules

Carts/Racks

Accessories

MiR Shelf Carrier

TMS-C300 Ext

S-Cart300

S-Cart300

S-Cart300 Rails EU/US

S-Cart300 Rails EU/US

ROEQ
S-Cart solution

Works with

MiR250

Top Module
TMS-C300 Ext

Designed for the MiR250 to support internal transport of pallets, skids, boxes etc. without compromising safety. The pallets etc. can have a lengths up to 1,2 m.
With MiR250 the TMS-C300 Ext can deliver and pick-up S-Cart300 in "free space".

Works with

Robot	Cart
MiR250	ROEQ S-Cart300

Specifications

Size
560x1200x70 mm

Payload
300kg/660Ibs

300 kg   300 kg

Length including E-stops 1260mm

Emergency stop push button
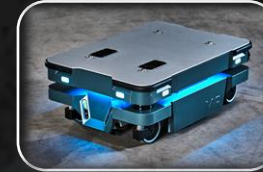
Features

Pick-up in "Free Space"

Easy access to Emergency stop

ROEQ
ROBOTIC EQUIPMENT

S-Cart300

Designed for top modules TMS-C300 Ext and Shelf Carrier (MiR). The application is suited for setups with several S-Cart300.
The robot collects the cart in "Free Space" and delivers it to the desired logistic key point and leaves it there to be emptied or prepared for the next mission.

Works with

Top Module

Shelf Carrier *(MiR)*
(with MiR 250)

Top Module

TMS-C300 Ext
(with MiR 250)

Specifications

Size
790x800x423mm

Payload
300kg/660Ibs

300 kg   300 kg

Frame size
800mm/790mm

Features

Pick-up
in "Free Space"

Add US/EU rails to the cart to move pallets

ROEQ

ROEQ
ROBOTIC EQUIPMENT

Top Modules

| TMC300 | TMC300 Ext | TMR150 | TML150 |

Carts/Racks

| Cart300 | Cart300 | Rack150 |

Accessories

| Cart300 Rails | TML150 Forks |

Docking Stations

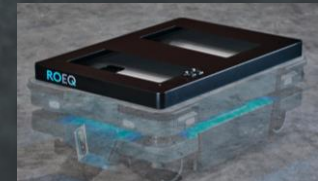| DS100/200P Floor | DS100/200P Ext Floor | DS100/200L Adjust |
DS100/200P Wall	DS100/200L
DS100/200E Floor	DS100/200E Ext Floor	DS100/200E Floor
DS100/200E Wall	DS100/200E Wall

ROEQ
Adapter solution

Works with

MiR250

with

AM250

AM250

AM250 is an adapter that allows the MiR250 to be compatible with ROEQ products/ top modules that are already working with MiR100/200. Flexibility is added to your facility with the possibility to use up to 4 of ROEQ's existing top modules.

Features

By adding the AM250 between the MiR250 robot and a top module, the height is the same as the MiR100/200 with a top module. In this way you get the opportunity to add the MiR250 to your current fleet with all your existing ROEQ applications - like a Cart300 solution:

+ TMC300
+ AM250
+ MiR250
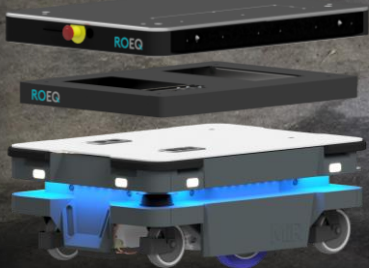
ROEQ top modules for use with MiR250

TMC300

TMC300 Ext

TML150

TMR150

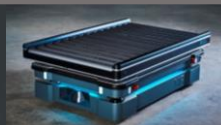ROEQ
ROBOTIC EQUIPMENT

Top Modules

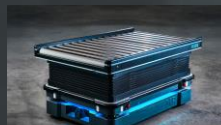TR125 Manual

TR125 Manual 250

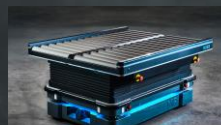
TR500

TR125 Auto

TR125 Auto 250

TR500 Auto

TR1000

TR1000 Auto

Docking Stations

DS Standalone

DS Standalone

DS Standalone

Accessories

GuardCom System

GuardCom System

GuardCom System

ROEQ
Top Roller solutions

Works with

MiR 100

MiR 200

MiR 250

MiR 500

MiR 1000

TR125 Manual

The basic functionality of the TR125 Manual is to automate load and unload operations making MiR100/MiR200 able to carry out scheduled pick-up and delivery tasks. The height of the conveyor can be set manually from 660 mm to 860 mm ±3 mm.

Works with

Robot

MiR100

Robot

MiR200

Specifications

Size
925x580mm

Payload
MiR100: 25 kg/55lbs
MiR200: 125kg/176lbs

25 kg   125 kg

Roller area
890mm/485mm

Features

Use ROEQ GuardCom system to transfer your payload between your ROEQ top rollers and any stationary conveyor stations

TR125 Manual needs DS Standalone system for docking

TR125 Auto

The basic functionality of the TR125 Auto is to automate load and unload operations making MiR200 able to carry out scheduled pick-up and delivery tasks. Fully automated lifter enables collection and delivery from 660 mm to 860 mm ±3 mm.

Works with

Robot

MiR200

Specifications

Size
925x580mm

Payload
MiR200: 80kg/176lbs

80 kg   80 kg

Roller area
890mm/485mm

Features

Use ROEQ GuardCom system to transfer your payload between your ROEQ top rollers and any stationary conveyor stations

TR125 Auto needs DS Standalone system for docking

ROEQ
ROBOTIC EQUIPMENT

TR125 Manual 250

The basic functionality of the TR125 Manual 250 is to automate load and unload operations making MIR250 able to carry out scheduled pick-up and delivery tasks. The height of the conveyor can be set manually from 600 mm to 800 mm ±3 mm.

Works with

Robot

MiR250

Specifications

Size
925x580mm

Payload
MiR250: 125kg/275lbs

125 kg   125 kg

Roller area
890mm/485mm

Features

Use ROEQ GuardCom system to transfer your payload between your ROEQ top rollers and any stationary conveyor stations

TR125 Manual 250 needs DS Standalone system for docking

ROEQ
ROBOTIC EQUIPMENT

TR125 Auto 250

The basic functionality of the TR125 Auto 250 is to automate load and unload operations making MiR250 able to carry out scheduled pick-up and delivery tasks. Fully automated lifter enables collection and delivery from 600 mm to 800 mm ±3 mm.

Works with

Robot

MiR250

Specifications

Size
925x580mm

Payload
MiR250: 125kg/275lbs

125 kg   125 kg

Roller area
890mm/485mm

Features

Use ROEQ GuardCom system to transfer your payload between your ROEQ top rollers and any stationary conveyor stations

TR125 Auto 250 needs DS Standalone system for docking

ROEQ
ROBOTIC EQUIPMENT

Top Roller

TR500

The TR500 is developed to support heavy internal logistics in industrial facilities.
The basic functionality of the TR500 is to automate load and unload operations making MiR500/MiR1000 able to carry out scheduled pick-up and delivery tasks. The TR500 is fixed in height 450 mm ±3 mm

Works with

Robot	Robot
MiR500	MiR1000

Specifications

Size
1435x938mm

Payload
MiR500: 500kg/1103lbs
MiR1000: 500kg/1103lbs

500 kg   500 kg

Roller area
1320mm/820mm

Features

Use ROEQ GuardCom system to transfer your payload between your ROEQ top rollers and any stationary conveyor stations

TR500 needs DS Standalone system for docking

ROEQ
ROBOTIC EQUIPMENT

Top Roller
TR500 Auto

The TR500 Auto is developed to support heavy internal logistics in industrial facilities.
The basic functionality of the TR500 Auto is to automate load and unload operations making MiR500/MiR1000 able to carry out scheduled pick-up and delivery tasks at different height. Height adjustment is automatically. Height from floor to rollers: 545-795 ±3 mm

Works with

Robot
MiR500

Robot
MiR1000

Specifications

Size
1435x938mm

Payload
MiR500: 400kg/881lbs
MiR1000: 500kg/1103lbs

400 kg   500 kg

Roller area
1320mm/820mm

Features

Use ROEQ GuardCom system to transfer your payload between your ROEQ top rollers and any stationary conveyor stations

TR500 Auto needs DS Standalone system for docking

ROEQ
ROBOTIC EQUIPMENT

Top Roller

TR1000

The TR1000 Auto is developed to support heavy internal logistics in industrial facilities. The basic functionality of the TR1000 is to automate load and unload operations making MiR500/MiR1000 able to carry out scheduled pick-up and delivery tasks. The standard TR1000 is fixed in 450 mm height ±3 mm.

Works with

Robot

MiR500

Robot

MiR1000

Specifications

Size
1435x1160

Payload
MiR500: 400kg/882lbs
MiR1000: 900kg/1984lbs

400 kg   900 kg

Roller area
1320mm/1050mm

Features

Use ROEQ GuardCom system to transfer your payload between your ROEQ top rollers and any stationary conveyor stations

TR1000 needs DS Standalone system for docking

ROEQ
ROBOTIC EQUIPMENT

TR1000 Auto

The TR1000 Auto is developed to support heavy internal logistics in industrial facilities. The basic functionality of the TR500 Auto is to automate load and unload operations making MiR500/MiR1000 able to carry out scheduled pick-up and delivery tasks at different height. Height adjustment is automatically. Height from floor to rollers: 545-795 ±3 mm

Works with

Robot

MiR500

Robot

MiR1000

Specifications

Size
1435x1160

Payload
MiR500: 300kg/660lbs
MiR1000: 800kg/1760lbs
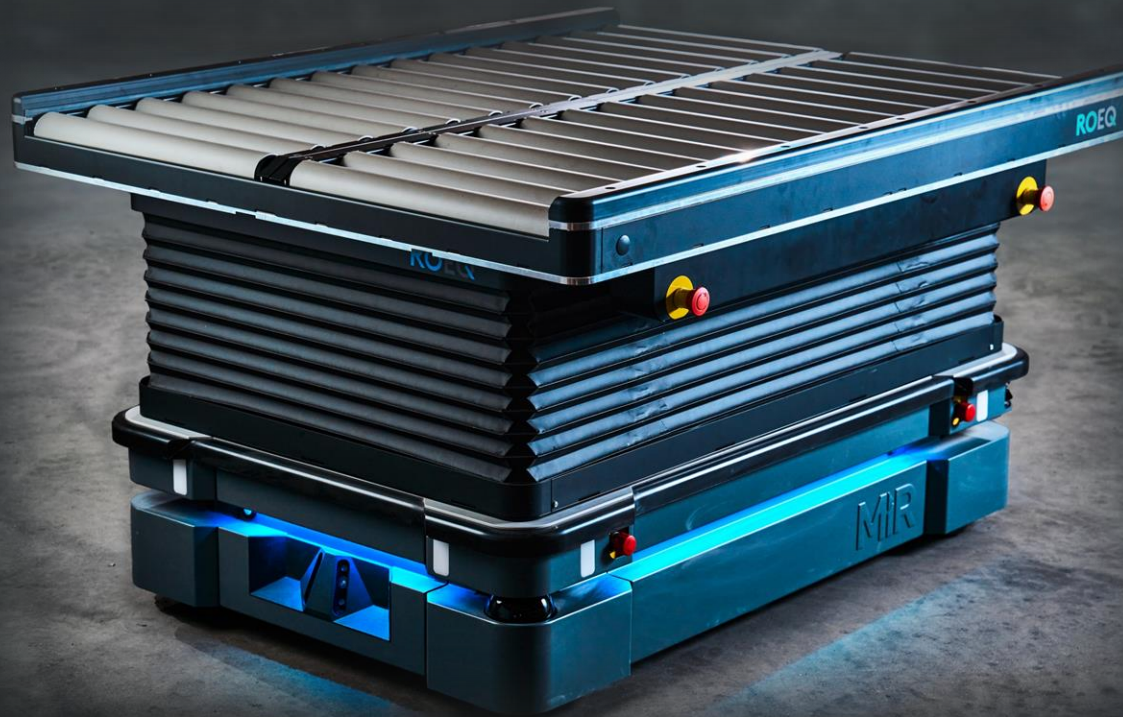
300 kg   800 kg

Roller area
1320mm/1050mm

Features

Use ROEQ GuardCom system to transfer your payload between your ROEQ top rollers and any stationary conveyor stations

TR1000 Auto needs DS Standalone system for docking

ROEQ
ROBOTIC EQUIPMENT

GuardCom System

ROEQ GuardCom system basic functionality is to transfer your goods between your ROEQ top rollers and any stationary conveyor stations without unstable Wi-Fi connections. The communication between GuardCom and the AMR is wireless and based on proven, robust sensor technology. It enables safe, secure, reliable and cost-effective handling and transfer of goods between AMRs and conveyor stations
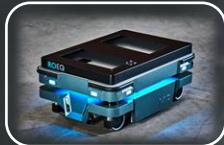
ROEQ product compatibility
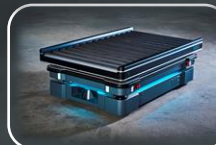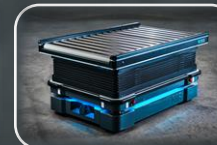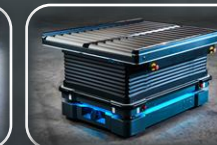

TR125 Manual

TR125 Auto

TR125 Manual 250

TR125 Auto 250

TR500

TR500 Auto

TR1000

TR1000 Auto

Robot compatibility

MiR100

MiR200

MiR250

MiR500

MiR1000

ROEQ
ROBOTIC EQUIPMENT