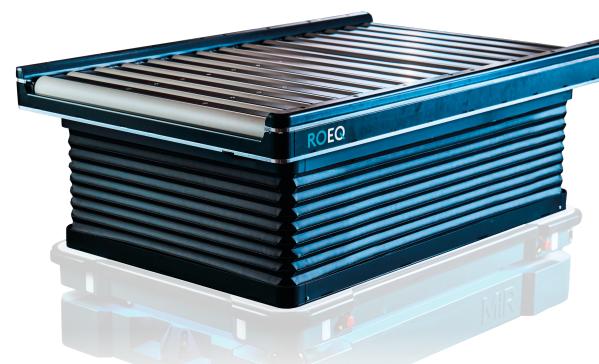# TR500 Auto
Top Roller

The ROEQ TR500 Auto allows you to use your MiR500, MiR600, MiR1000 and MiR1350 robots to transfer heavy goods between conveyor stations at different heights. It has a built-in scissor mechanism for automatic height adjustments. Using the ROEQ Assist software tool for set up, you can easily program the pick-up and delivery points in the MiR GUI. With a large stroke – 240mm/9.4" – it gives you the flexibility to adjust to your existing setup.

All ROEQ top modules come with ROEQ Assist software that includes setup tools, making it easy for you to quickly get your solution up and running. The software creates missions and sets the robot footprint. ROEQ Assist is fully compatible with MiR software and ensures consistency throughout the installation.

Features

- Height adjustment is automated, so no manual intervention required

- Scissor mechanism adjusts the height automatically

- Features a stroke of 240mm/9.4" enables transfer between stations of different heights

- Built-in barriers on rollers protect fingers

- Built-in position sensor confirms correct position of robot before transfer of goods

- Cargo sensors on the front and back ensure safe transfer and transport of cargo

- Compatible with ROEQ GuardCom system for additional safety and quick transfer to/from conveyor stations. Wireless communication without reliance on Wi-Fi

Specifications

Robot compatibility:
MiR600, MiR1350

ROEQ product compatibility:
DS Standalone, GuardCom System

Payload:
MiR500/600 = 340kg/750lbs
MiR1000/1350 = 500kg/1102lbs

Size: (L x W):
1435mm x 938 mm/ 56.5 x 36.9"

Roller area:
1320mm x 820mm / 52" x 32.3"

Height from floor to rollers:
545mm - 785mm / 21.5" - 30.9"

Stroke:
240mm / 9.4"

Weight:
255kg/562lbs

Auto adjustment:
Auto adjustable height from 545 to 785 mm / 21.5 to 30.9"

Position when in transit:
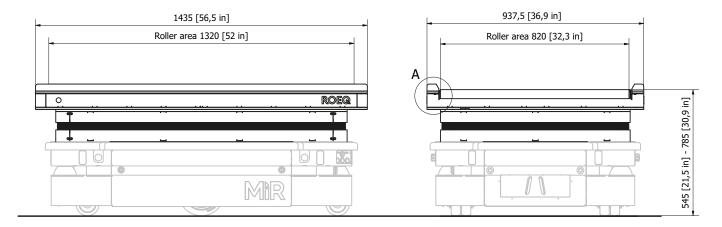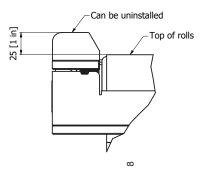Adjustable

Sensors:
Position sensors and cargo sensor

Roller Speed: Can be adjusted between 0.01[m/s]-0.17[m/s]

Use the ROEQ GuardCom for additional safety when transferring loads

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ROBOTIC EQUIPMENT

1435 [56,5 in]
Roller area 1320 [52 in]

937,5 [36,9 in]
Roller area 820 [32,3 in]

545 [21,5 in] - 785 [30,9 in]

Detail A

Can be uninstalled
Top of rolls
25 [1 in]

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Product no.	Product name	Description	
268a5500	TR500 Auto	Top roller with auto adjustable height from 545 to 785 mm. for MiR500,MiR600, MiR1000, MiR1350	
273a1000	GuardCom	GuardCom unit to mount on stationary conveyor, for additional safe transfer of goods	
273a2000	GuardCom Connect	Communications unit to mount on top rollers. Wireless communication with GuardCom, not using Wi-Fi	
265a5040	DS Standalone	Floor mounted docking station for top roller series TR125, TR500 and TR1000	
268a8000	I/O Kit 500/1000	Input/output to the MiR500/1000 for equipment like light tower, extra emergency stop etc.	
272a8001	I/O Kit 600/1350	Input/output to the MiR600/1350 for equipment like light tower, extra emergency stop etc.	

Visit roeq.dk for more information or to see films of products in action.

Contact your local ROEQ Partner for more guidance

ROEQ
ROBOTIC EQUIPMENT