

TR1000 Auto Top Roller



The ROEQ TR1000 Auto is a fully automated top roller for the MiR500, MiR600, MiR1000 and MiR1350 that transports your heaviest goods from one conveyor station to another, at different heights. This gives you a flexible bridge between existing conveyor systems in different parts of your factory. Using ROEQ Assist software tool for set up, you can easily program the pick-up and delivery points in the MiR GUI and transport between multiple conveyors at different heights.

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 is required
- ROEQ Assist software tool for easy programming and consistent set up
- Scissor mechanism adjusts the height automatically
- Features a stroke of 240mm/9.4" to enable 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:
MiR500, MiR600, MiR1000, MiR1350

ROEQ product compatibility:
DS Standalone, GuardCom System

Payload:
MiR500/600 = 250kg/551lbs
MiR1000 = 750kg/1653lbs
MiR1350 = 800kg/1764lbs

Size: (L x W):
1435mm x 1160 mm / 56.5" x 45.7"

Roller area:
1320mm x 1050mm / 52" x 41.3"

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

Stroke:
240mm / 9.4"

Weight:
344kg/758lbs

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

Position when in transit:
Adjustable

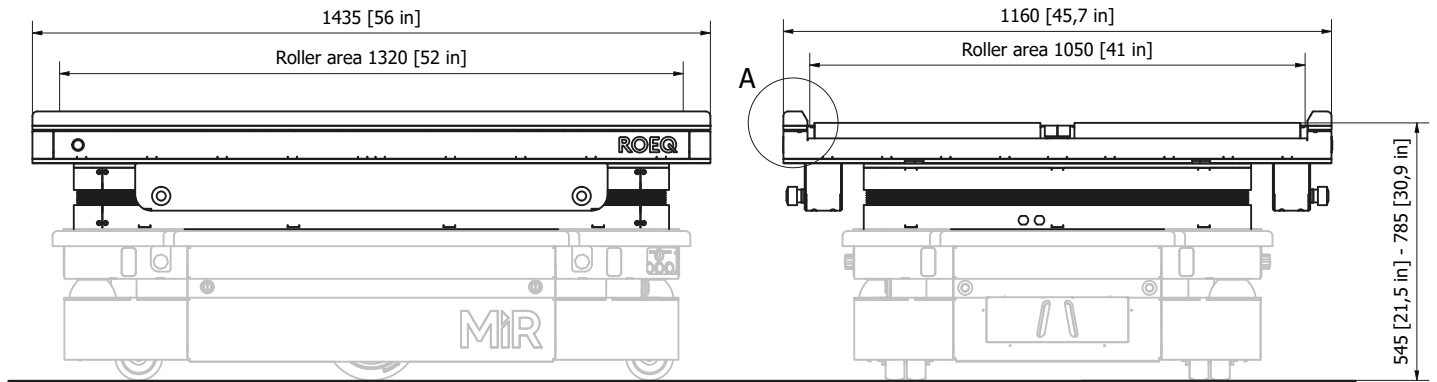
Sensors:
Position sensors and cargo sensor

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

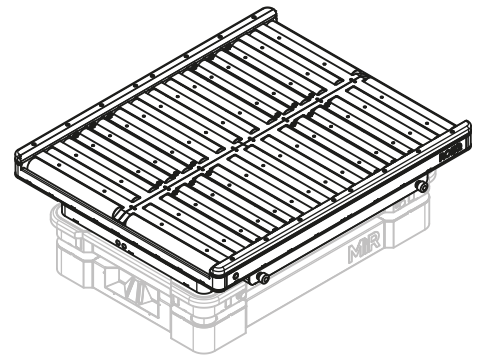
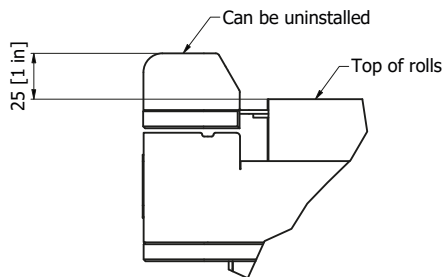
Use the ROEQ GuardCom
for additional safety when
transferring loads



ROEQ
ROBOTIC EQUIPMENT



Detail A



Product no.	Product name	Description	
269a5500	TR1000 Auto	Top roller with auto adjustable height from 545 to 785 mm. For MiR500, MiR600, MiR1000 and MiR1350	
273a1000	GuardCom	GuardCom unit to mount on stationary conveyor for additional safety when transferring 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 MiR600/1000 for equipment like light tower, extra emergency stop etc.	



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