

ROEQ TR600/700 Top Roller solution for OMRON MD-650/900



The ROEQ TR600 & TR700 are heavy duty top rollers for your OMRON MD-series mobile robots. They can pick up and deliver heavy goods between conveyor stations on your production line and are ideal for transporting US and euro pallets

The full solution includes the ROEQ GuardCom system which provides additional safety and efficiency when transferring between the top roller and the receiving station, using robust sensor technology. Developed with ROEQ Safety features and ROEQ Assist software for faster and consistent set-up.



Two package function

Features

- Can handle payloads of up to 600 kg/675 kg.
- The flat top allows transfer of wide loads which extend over the sides. Side Bars can be purchased, if required.
- Built-in barriers on rollers protect fingers
- Long Cargo Kit available for safe transfer of long loads
- Can handle and deliver two packages individually
- Includes manual adjustable height (50 mm). Additional height kit also available.
- Built-in position sensor confirms correct position of robot before transfer of goods
- Cargo sensors in the front and back ensure safe transfer and transport of cargo
- Compatible with ROEQ GuardCom System for additional safety and optimal performance to/from conveyor stations. Wireless communication without reliance on Wi-Fi

Specifications

Robot compatibility:

OMRON MD-650
OMRON MD-900

ROEQ product compatibility:

GuardCom System

Payload on MD-650 / MD-900:

TR600: 425/600 kg (940/1320 lbs)
TR700: 425/675 kg (940/1490 lbs)

Size (l x w):

1435 x 1097 mm / 56.5 x 43.2"

Cargo area:

1320 mm x 1066 mm / 52" x 42"

Note: Loads can extend over the sides.
Add the Long Cargo Kit for longer loads.

Height from floor to rollers:

500-550 mm / 19.7-21.6"

Manual adjust stroke: 50 mm / 2"

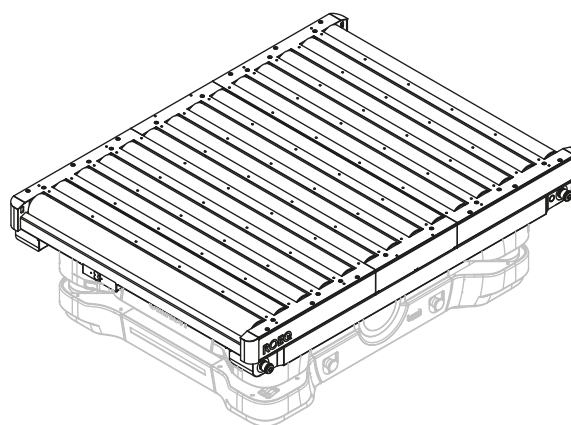
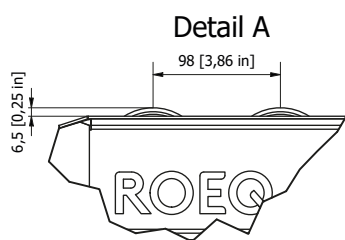
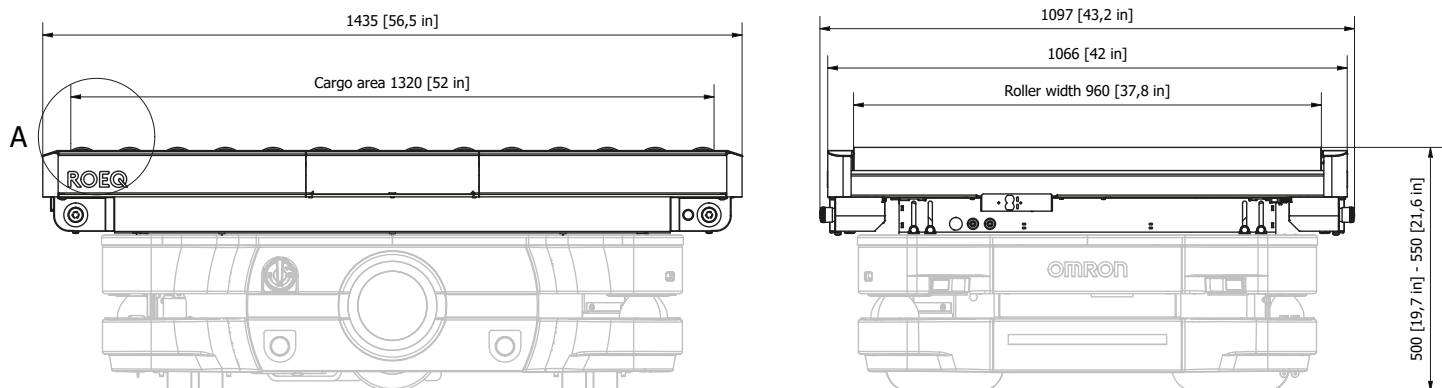
Sensors:

Position sensor and cargo sensors

Use the ROEQ GuardCom to improve cycle time and decrease downtime



ROEQ
ROBOTIC EQUIPMENT



Product no.	Product name	Description	
420s1000	TR600	Top roller for OMRON MD-650 and MD-900 for euro/US pallets and other cargo.	
420s2000	TR700	Top roller for OMRON MD-650 and MD-900. With two package function.	
273a1000	GuardCom	GuardCom unit to mount on static conveyor, for efficient and safe transfer of goods.	
273a2000	GuardCom Connect	Communication unit to mount on top rollers. Wireless communication with GuardCom, not using Wi-Fi.	
700s4100	Side Bars	For additional safety.	
700s4200	Long Cargo Kit	For safe transfer of long cargo.	
420s4300	Height Kit Low	For increasing the height of TR600 / TR700. Height Kit Low: 50 mm. Height Kit High: 150 mm	
420s4400	Height Kit High	These two kits can be combined to reach the height that you need.	

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