

Zebra
Robotics Automation™

RollerTop AMR

Increase efficiency and productivity with autonomous mobile robot (AMR) solutions designed for flexibility and safety from Zebra

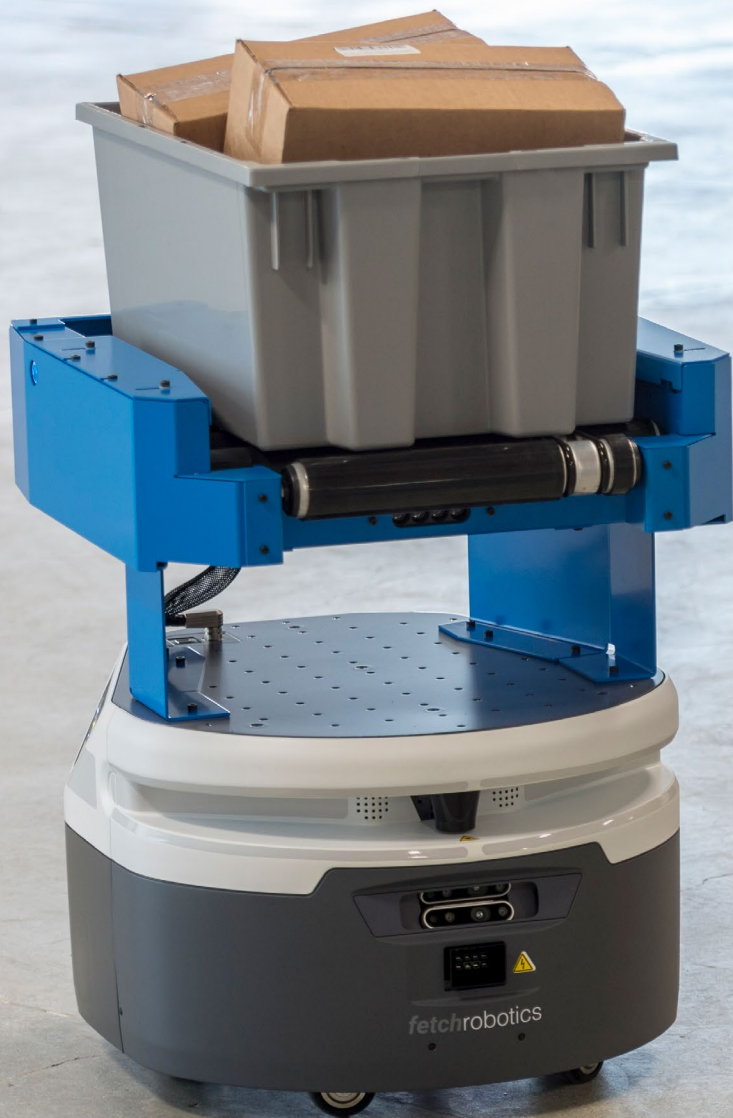


RollerTop

Flexible Automation Addition
to Fixed Conveyors

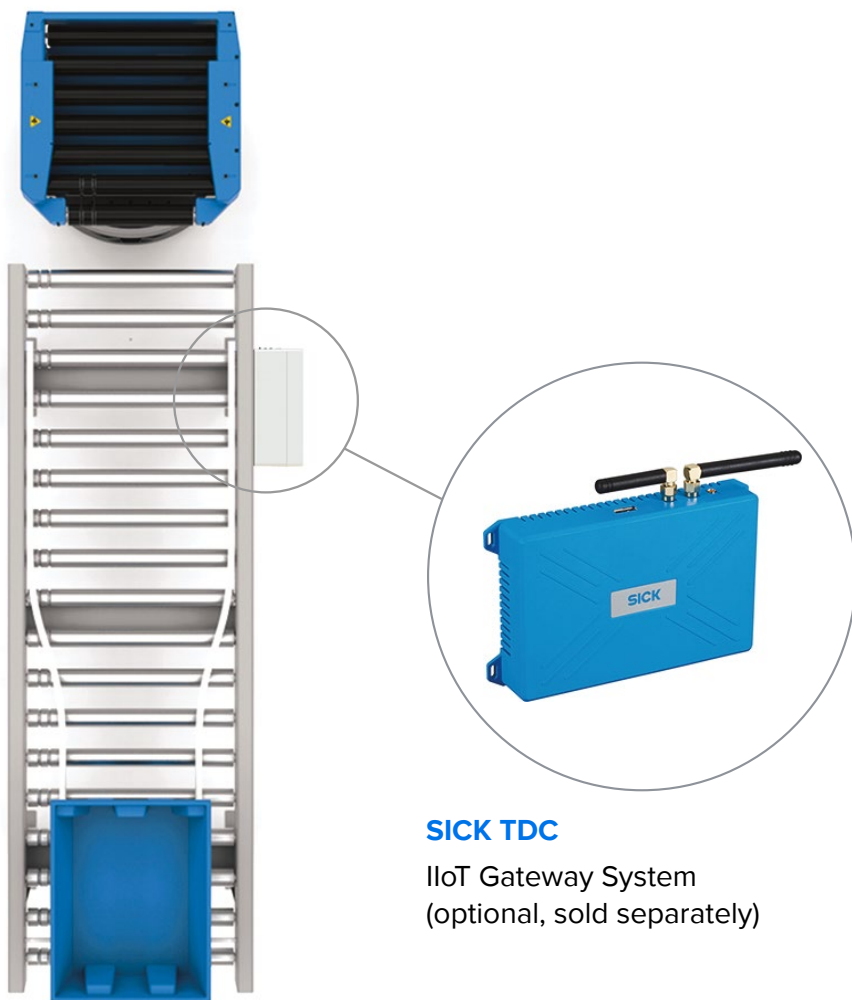
Key Benefits

- Automate loading and unloading of totes and bins from conveyors or ASRSs
- Flexibly extend existing conveyor workflows
- Automatically trigger induction or deduction via FetchCore software
- Integrate existing conveyor controls with FetchCore using optional IIoT smart gateway



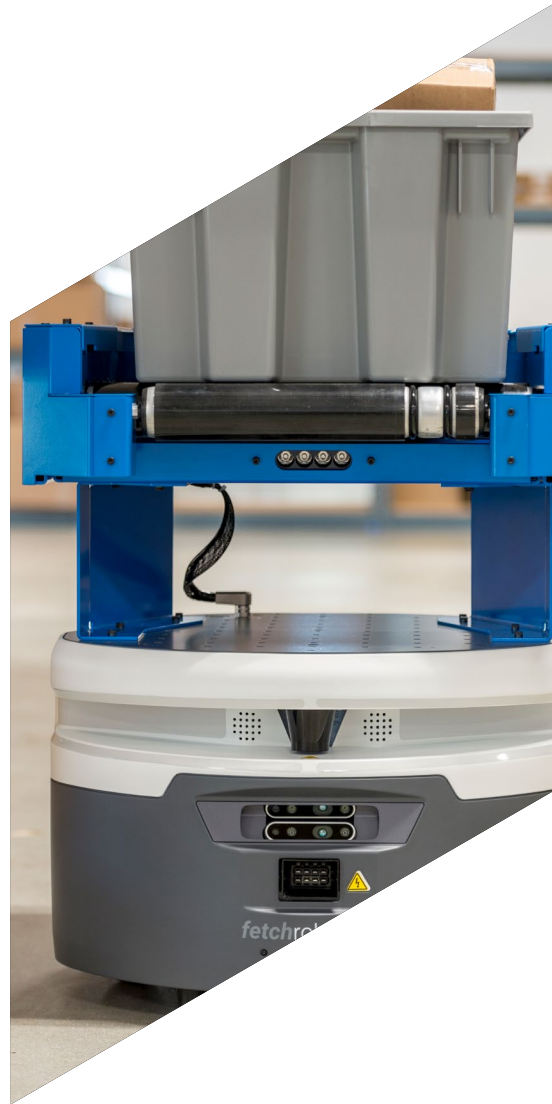
SICK TDC Smart Gateway

The SICK Telematic Data Collector (optional, sold separately) is a networked industrial I/O device that serves as a bridge between the FetchCore and other industrial equipment such as conveyors, doors and air showers. Automate hand-offs between RollerTop robots and active powered conveyors by connecting a SICK TDC to any conveyor controller.



SICK TDC

IIoT Gateway System
(optional, sold separately)



Coexist with Current Conveyor Infrastructure

Conveyor systems have dramatically increased industrial efficiency for many years. However, these fixed assets are hard to adapt to today's ever-changing material transport requirements. Zebra's RollerTop solution brings adaptability and increased levels of automation in these conveyor environments.

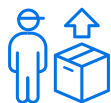


Specifications	RollerTop
Weight	186.2 lbs. (84.5 kg) Add'l weight with riser installed: Riser 1: 5.5 lbs. (2.5 kg) Riser 2: 6.7 lbs. (3.0 kg)
Supported Conveyor Heights	18 in. (45.7 cm) or 22.75 in.–30 in. (57.8 cm–27.2 cm) in 0.25 in. (6.35 mm) increments
Maximum Payload	Up to 176 lbs. (80 kg) (depends on configuration)
Base Footprint	23.6 in. (59.9 cm) length, 21.7 in. (55.1 cm) width
Cargo Dimensions	20.6 in.–32.7 in. (52.3 cm–83.0 cm) (depends on riser height)
Maximum Speed	3.9 mph (1.75 m/s)
Turning Radius	Turn in place
Nominal Continuous Runtime	~9 hrs
Environment	Indoors
Charging	Autonomous docking
Charge Time	3 hrs to 90%
2D Laser Sensor	SICK, 82 ft. (25 m), 220°
3D Camera	Yes (x2)

Key Workflows



Order
Picking



Assembly
and QA



End of Line
Handling



ASRS
Induction



Rush
Orders

CartConnect100

Automatically pick up and drop off carts up to 125 lbs. (57 kg)



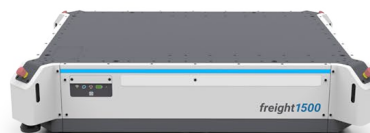
PalletTransport1500

Move pallets up to 3,300 lbs. (1,500 kg) throughout the facility



Freight1500

Handles up to US standard 40 x 48 in. pallets



FlexShelf

Optimize fulfillment operations with intelligent, flexible automation



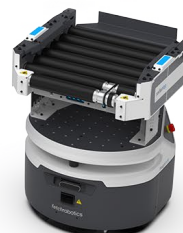
Freight100 OEM Base

Build your own customized automated solution on a proven platform



RollerTop

Integrate with current conveyor infrastructure



HMIShelf

Transport packages, totes and bins up to 172 lbs. (78 kg)



WARNING: This product uses components which emit invisible laser radiation. Incorrect use or observing the safety laser scanner through optical instruments (such as magnifying glasses, lenses, telescopes) may be hazardous for the eyes.



Zebra AMRs carry a CE mark and meet regulatory requirements for product safety.

ANSI/RIA R15.08

Zebra AMRs conform with R15.08 safety standards published by the RIA (Robotics Industry Association)

For more information about Zebra's autonomous mobile robot solutions, please visit www.zebra.com



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