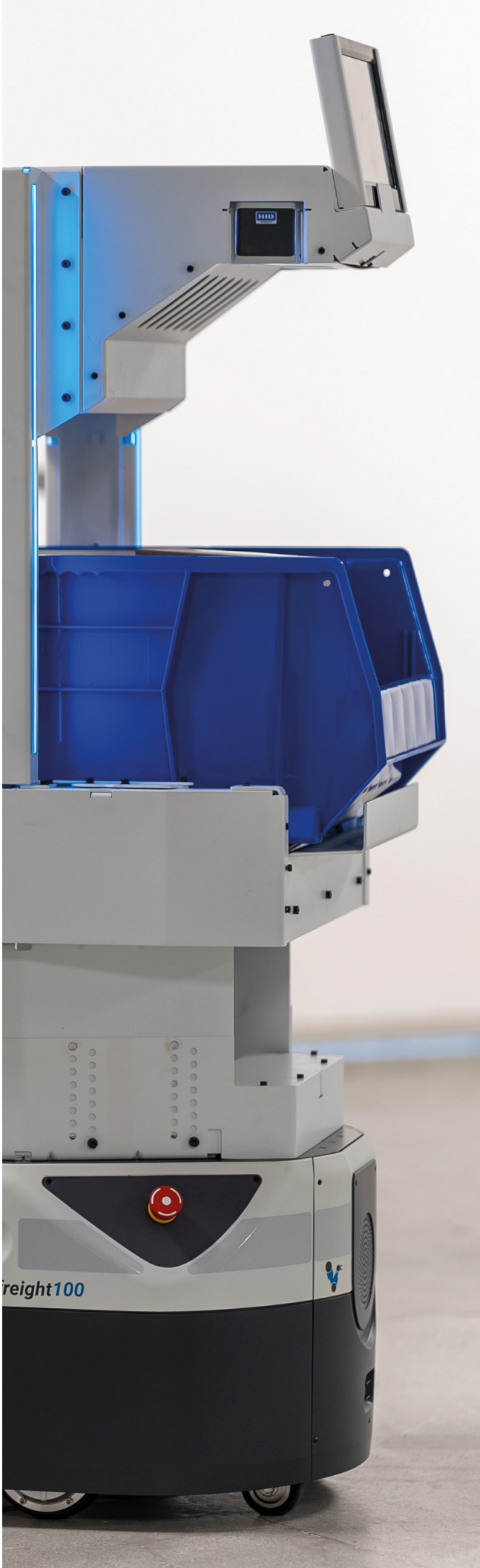
LAUBNER®
Auto-ID Solutions

RollerTop and Rollertop Guide AMRs

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



ZEBRA | fetch robotics

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 Fetch Robotics' FetchCore software
- Integrate existing conveyor controls with FetchCore using optional IIoT smart gateway

RollerTop Guide

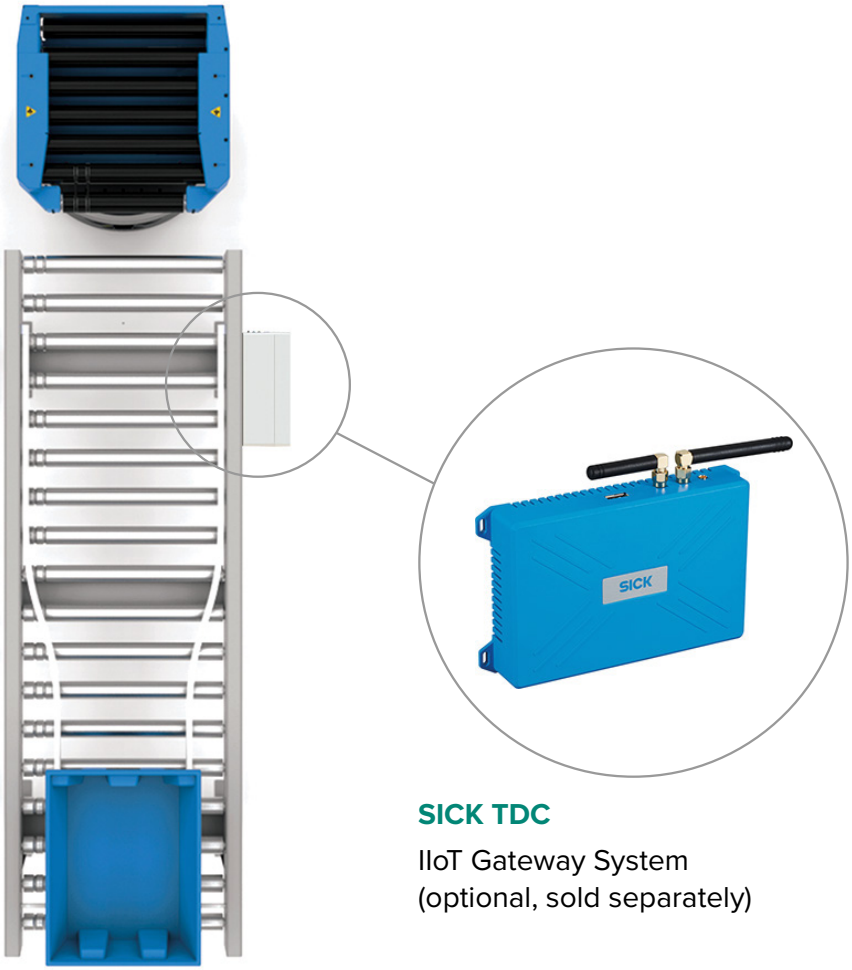
Directed Picking and Conveyor Delivery Come Together

Key Benefits

- Automated tote induct / discharge to conveyor
- Optimize worker movements
- Reclaim up to 13% of warehouse space by removing conveyors
- Extend the life of a facility by up to five years
- Speed up delivery of orders to put walls
- Lower worker dwell and wait times for robots

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.

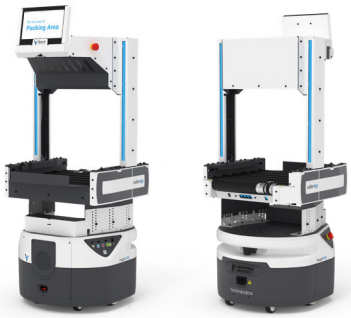


SICK TDC

IIoT Gateway System
(optional, sold separately)

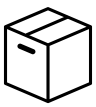
Coexist with Current Conveyor Infrastructure

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. Fetch Robotics' RollerTop solution brings adaptability and increased levels of automation in these conveyor environments.

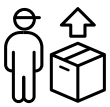


Specifications	RollerTop	RollerTop Guide
Weight	186.2 lb (84.5 kg) Add'l weight with riser installed: Riser 1: 5.5 lb (2.5 kg) Riser 2: 6.7 lb (3.0 kg)	201.8 lb (91.5 kg) Add'l weight with riser installed: Riser 1: 5.5 lb (2.5 kg) Riser 2: 6.7 lb (3.0 kg)
Supported Conveyor Heights	18.4 in–36.6 in (46.5 cm – 92.9 cm)	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 lb (80 kg) (depends on configuration)	Up to 160 lb (73 kg) (depends on configuration)
Base Footprint	23.6 in (59.9 cm) length, 21.7 in (55.1 cm) width	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)	48.8 in–60.9 in (124.0 cm–154.7 cm) (depends on riser height and accessory height)
Maximum Speed	3.9 mph (1.75 m/s)	3.9 mph (1.75 m/s)
Turning Radius	Turn in place	Turn in place
Nominal Continuous Runtime	~9 hrs	~9 hrs
Environment	Indoors, ADA-compliant	Indoors, ADA-compliant
Charging	Autonomous docking	Autonomous docking
Charge Time	3 hrs to 90%	3 hrs to 90%
2D Laser Sensor	SICK, 82 ft (25 m), 220 degrees	SICK, 82 ft (25 m), 220 degrees
3D Camera	Yes (x2)	Yes (x2)

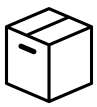
Key Workflows



Order Picking



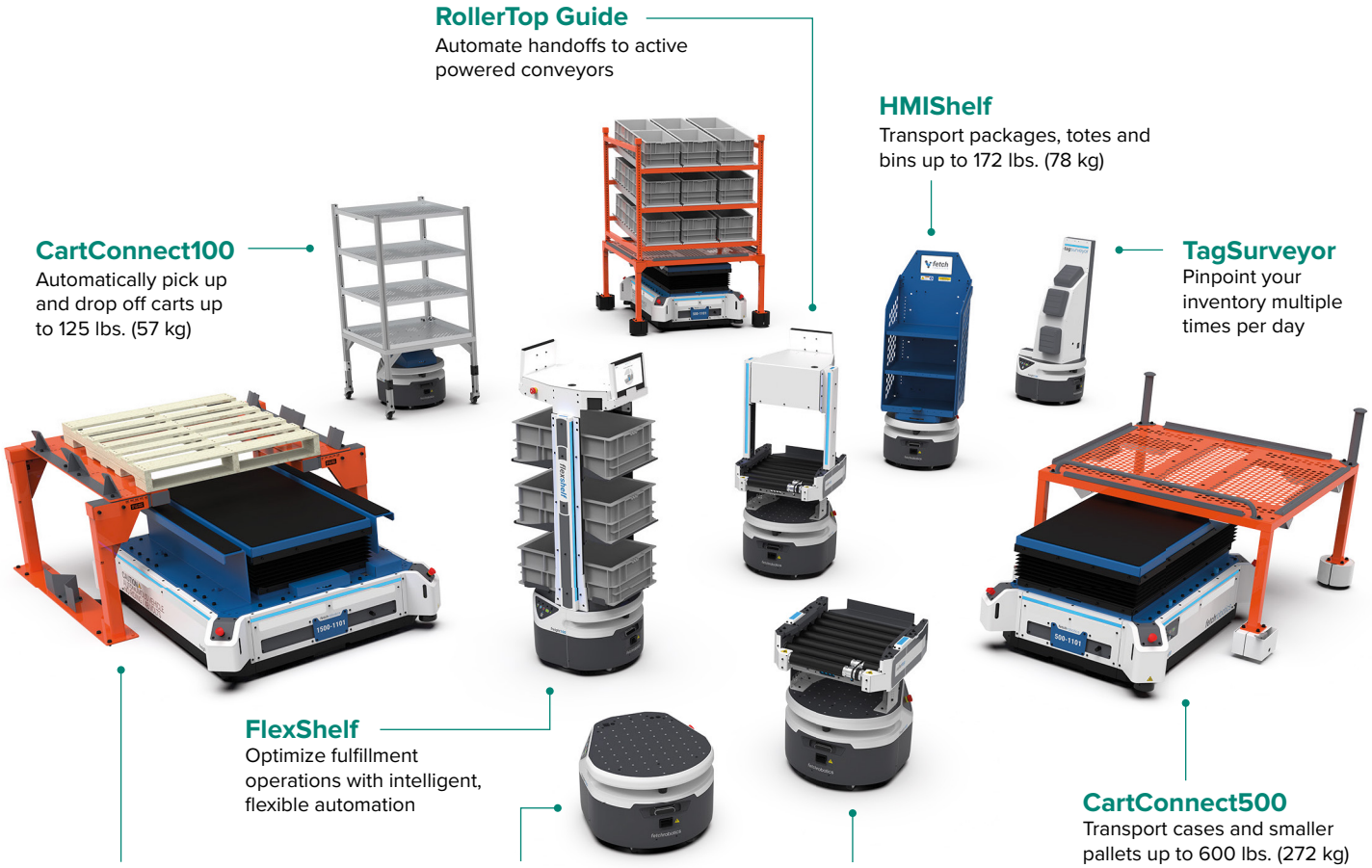
Assembly and QA



End of Line Handling

ASRS Induction

Rush Orders



RollerTop Guide
Automate handoffs to active powered conveyors

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

CartConnect100
Automatically pick up and drop off carts up to 125 lbs. (57 kg)

TagSurveyor
Pinpoint your inventory multiple times per day

FlexShelf
Optimize fulfillment operations with intelligent, flexible automation

CartConnect500
Transport cases and smaller pallets up to 600 lbs. (272 kg)

PalletTransport1500
Move pallets up to 3,300 lbs. (1,500 kg) throughout the facility

Freight100 OEM Base
Build your own customized automated solution on a proven platform

RollerTop
Integrate with current conveyor infrastructure

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.

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

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

For more information about Zebra and Fetch's autonomous mobile robot solutions, please visit **fetchrobotics.com**

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