



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 Viioni Robotics software
- Integrate existing conveyor controls using optional IoT-style smart interface



Order Picking



Assembly & QA



ASRS Induction



Rush Orders



Viioni

RollerTop is part of the Viioni Cloud Robotics Platform, a flexible automation solution that maximizes productivity with the widest range of payload capacities for a diverse set of warehouse and manufacturing workflows. Leading 3PLs, manufacturers, and retailers rely on the Viioni Cloud Robotics Platform to enable on-demand automation, instantly deploying, modifying, and scaling unmanned travel as needed.

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

Smart IoT Interface

This is (sold separately) a networked industrial I/O device that serves as a bridge between the Viioni Cloud Robotics Platform and other industrial equipment such as conveyors, doors, and air showers. Automate hand-offs between RollerTop robots and active powered conveyors by connecting a device to any conveyor controller.

Specifications

rollertop

Weight	85kg (187lbs)
Top of Roller Height	45.7cm (18in) - 91.4cm (36in), adjustable in 0.25in increments
Maximum Payload (height dependent)	80kg (176.4lbs)
Base Footprint	72.5cm (28.5in) diameter
Cargo Dimensions	40.6cm (16in) width, 60.9cm (24in) depth, 35.6cm (14in) height
Maximum Speed	1.5m/s (3.4mph)
Turning Radius	Turn in place
Nominal Continuous Runtime	~9hrs
Environment	Indoor
Charging	Autonomous Docking
Charge Time	3hrs to 90%
2D Laser Sensor	25m (82ft), 220 degrees (x1)
3D Camera	Yes (x2)

