

Version 1.0



BOWE
IQ

Meet

CARTI 100





BOWE
IQ

Effortless transport, maximum convenience

Carti streamlines heavy lifting with ease. Designed for quick and efficient movement, it saves time and effort in any setting, making material handling a breeze. Experience hassle-free transport and boost your productivity.

Carti 100





Efficiency Unleashed

Cut costs fast with our budget-friendly AMRs. Automate tasks, slash errors, and boost efficiency.

IoT solutions for seamless integration with WMS, WCS, ERPs, and smart devices to streamline automation and connectivity.

Tailored solutions just for you.
Get robots built to fit your needs perfectly.



Conveyor Model



Shelf Model

Highly customizable solutions



Auto-charging



Conveyor model



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IQ



Adjustable trays (number, height)

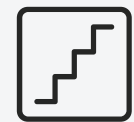


Network OS configurations for on-premise or cloud



Carti 100

Safe self-driving technology



Rocker-bogie Suspension

Advanced suspension design for safer navigation across various floor surfaces



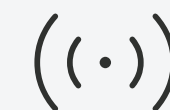
Obstacle Detection

Capable of identifying objects as small as 6 cm



Autonomous Driving

AI self-driving technology enables robots to navigate surroundings



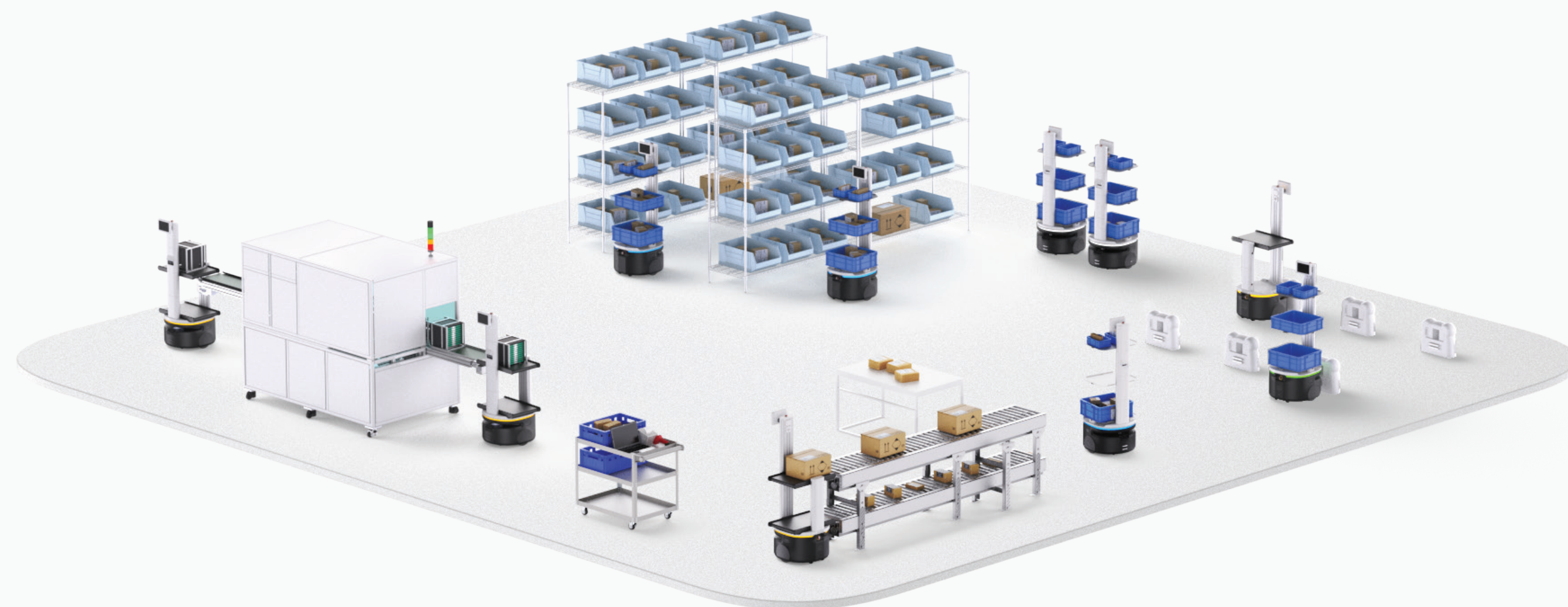
Cameras (3) / LiDAR Sensors

3D cameras and LiDAR sensor to recognize obstacles and QR code



The world's #1 multi-robot navigation

Our product line evolves with your business, thanks to a cutting-edge operating system that synchronizes multiple robots and resolves deadlocks instantly.



IoT ecosystem solutions



Automatic doors and elevator integration

Expansion of travel range through multi-destination and inter-floor movement.



Integration with 3rd Party Solutions

Real-time inventory management through integration with existing WMS, WCS, and ERP systems.

Conveyor model operating scenario

Automated logistics movement in manufacturing plant



01 Production

Align the tray height with the conveyor table to ensure smooth transitions.



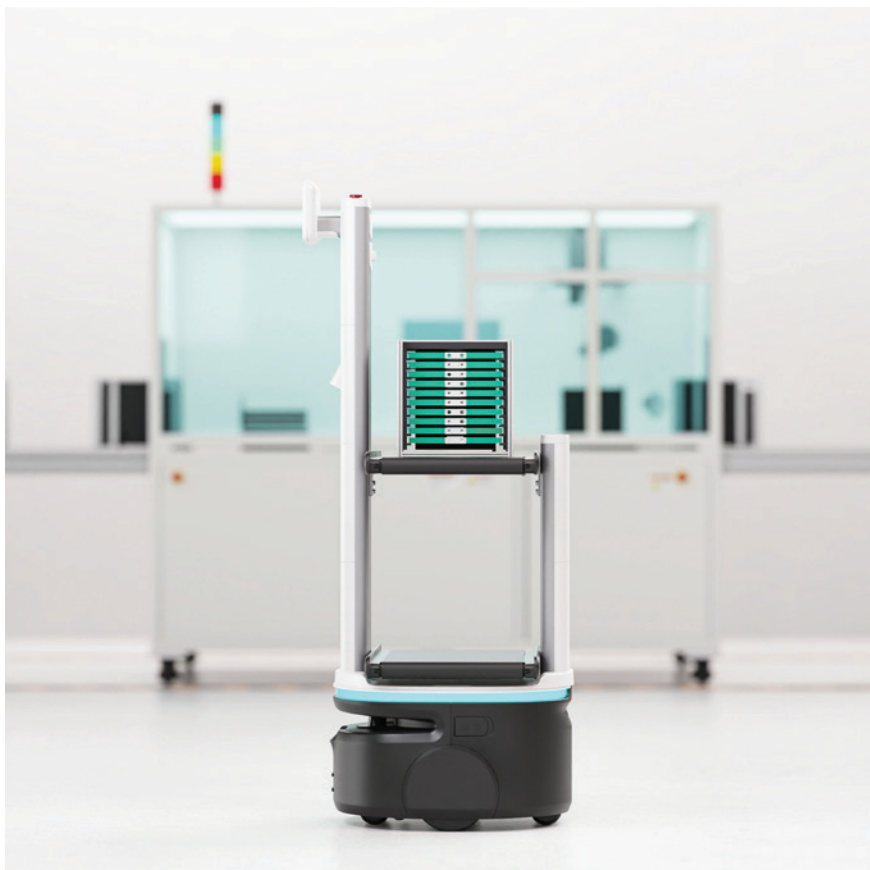
02 Dispatch

The control system (e.g., ACS) quickly sends a robot to the docking station.



03 Load

The robot docks at Station A to quickly and efficiently load the item.



04 Movement

The robot moves the item to the unloading area, minimizing handling time.



05 Unload

At Station B, the robot unloads the item swiftly, keeping production on schedule.

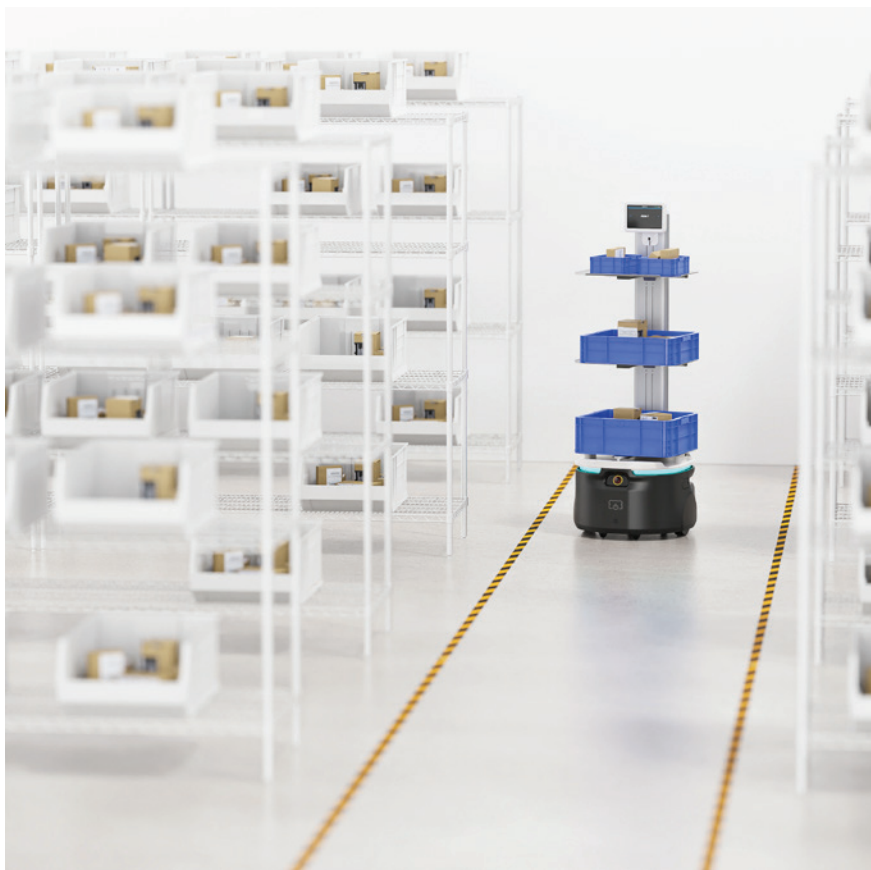
Shelf model operating scenario

3PL automated in-center order picking service



01 Load

Quick loading and autonomous deployment for optimized productivity.



02 Movement

Adaptive navigation with precision route optimization.



03 Pickup

Efficient collaboration with workers to reduce errors.



04 Return

Fast return to base for continuous operation



05 Charging

Autonomous charging system for minimal downtime.

AGV VS AMR

3PL automated in-center order picking service



Category	AGV	AMR
Definition	Automated guided vehicles	Autonomous mobile robots
Driving style	QR, rail, braille codes, etc. Requires continuous route input between trips	100% self-driving with the ability to sense its surroundings dynamically
Responding to obstacles	Stopping on rails	Recognizes obstacles, navigates itself, avoids them, and reaches its destination
Online changes	Physical modifications after deployment are difficult and costly	No pre-existing installations, making modifications easy
Main uses	Standardized processes	Complex processes
Installation difficulty	Need to build rails and other environments, which is expensive and takes time to set up	Relatively low input costs, simple installation

Specifications



Shelf Model

Size	21 x 22 x 59 inches
Shelf	Up to 3 (expandable)
Weight	121 lbs
Payload	220 lbs
Battery Life	8 hrs (full load) - 11 hrs (no load)
Charging Type	Contact charger and Wired charger
Integration	Touch display, Integration with other devices via API



Conveyor Model

Size	24 x 23 x 59 inches
Conveyor	Up to 2 (expandable)
Weight	137 - 159 lbs
Payload	33 lbs - 66 lbs
Battery Life	8 hrs (full load) - 11 hrs (no load)
Charging Type	Contact charger and Wired charger
Integration	Touch display, Integration with other devices via API