CartConnect100 AMR

Increase efficiency and productivity with autonomous mobile robot (AMR) solutions designed for flexibility and safety from Zebra and Fetch
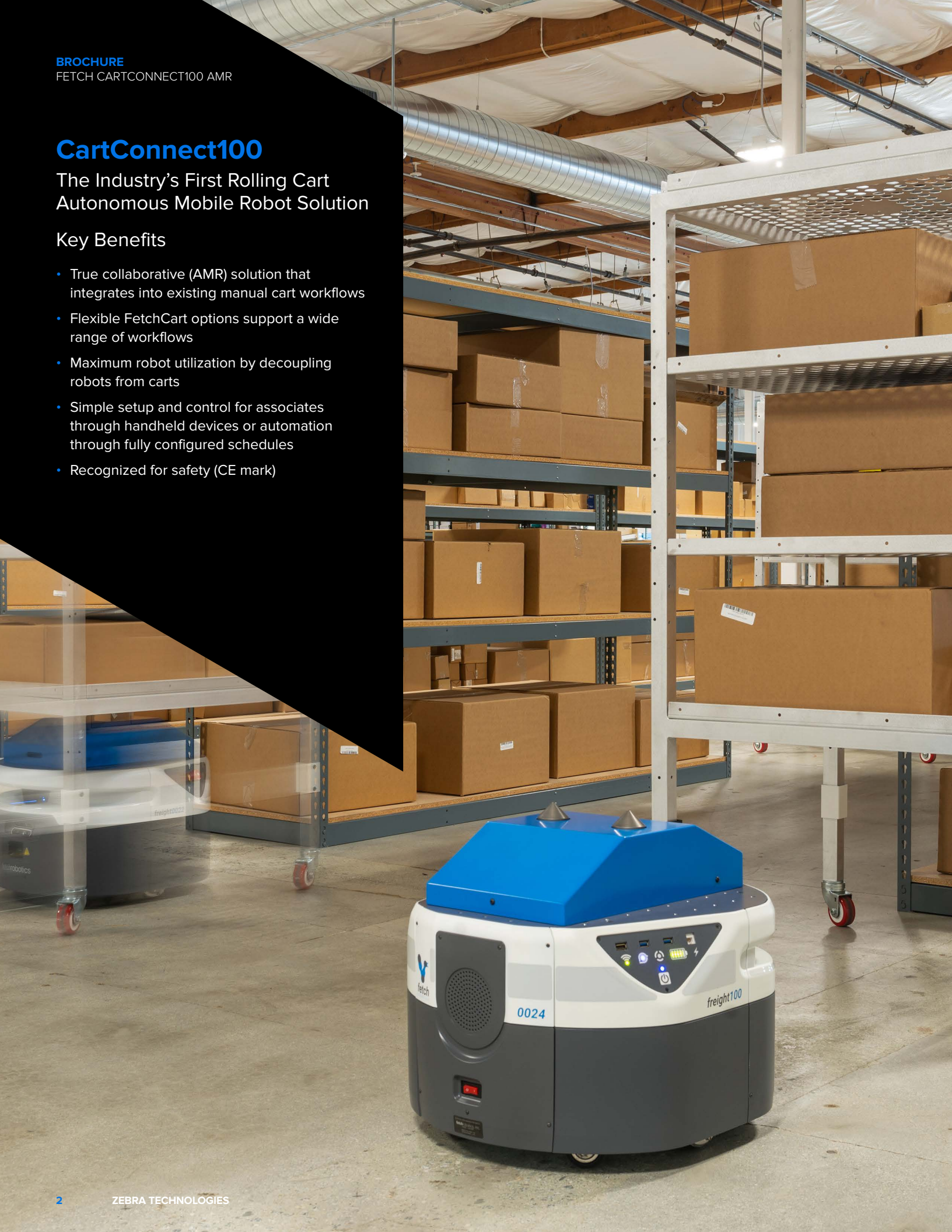
CartConnect100

The Industry's First Rolling Cart Autonomous Mobile Robot Solution

Key Benefits

- True collaborative (AMR) solution that integrates into existing manual cart workflows

- Flexible FetchCart options support a wide range of workflows

- Maximum robot utilization by decoupling robots from carts

- Simple setup and control for associates through handheld devices or automation through fully configured schedules

- Recognized for safety (CE mark)

Warehouse Carts 2.0

The CartConnect AMR system features an advanced mobile robot that can autonomously pick up and drop off FetchCarts to any location within your facility. FetchCarts are available in three sizes—Standard, Tall and a flexible cart Base option that allows you to customize the cart to suit your specific payload.
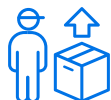
Specifications	CartConnect	FetchCart Base	FetchCart	FetchCart Tall*
Weight	163 lb (74 kg)	85 lb (38.5 kg)	75 lb (34 kg)	85 lb (38.5 kg)
Height	19.5 in (49.6 cm)	65 in (165 cm)	55.1 in (140 cm)	65 in (165 cm)
Base Footprint	20.7 in (52.7 cm) wide, 22.6 in (57.3 cm) diameter	32.7 in (83 cm) width, 32.7 in (83 cm) length	32.7 in (83 cm) width, 32.7 in (83 cm) length	32.7 in (83 cm) width, 32.7 in (83 cm) length
Shelf Width	—	32.7 in (83 cm)	32.7 in (83 cm)	32.7 in (83 cm)
Shelf Depth	—	32.7 in (83 cm)	32.7 in (83 cm)	32.7 in (83 cm)
Max Payload Weight	—	Up to 115 lb (52.5 kg)	Up to 125 lb (57 kg)	Up to 115 lb (52.5 kg)
Max Speed	3.4 mph (1.5 m/s)	—	—	—
Turning Radius	Turn in place	Turn in place	Turn in place	Turn in place
Continuous Runtime	~9 hrs	—	—	—
Environment	Indoor	Indoor	Indoor	Indoor
Charging	Autonomous docking	—	—	—
Charge Time	3 hrs to 90%	—	—	—
2D Laser Sensor	82 ft (25 m), 220 degrees (x1)	—	—	—
3D Camera	Yes (x2)	—	—	—

* Requires a risk assessment

Key Workflows

Case Picking

Replenishment / Putaway

Raw Material Delivery

ASRS Induction

E-Commerce Fulfillment

Staging / Consolidation

Product Spotlight

FetchCart Base
Maximize Every Payload with Custom Carts

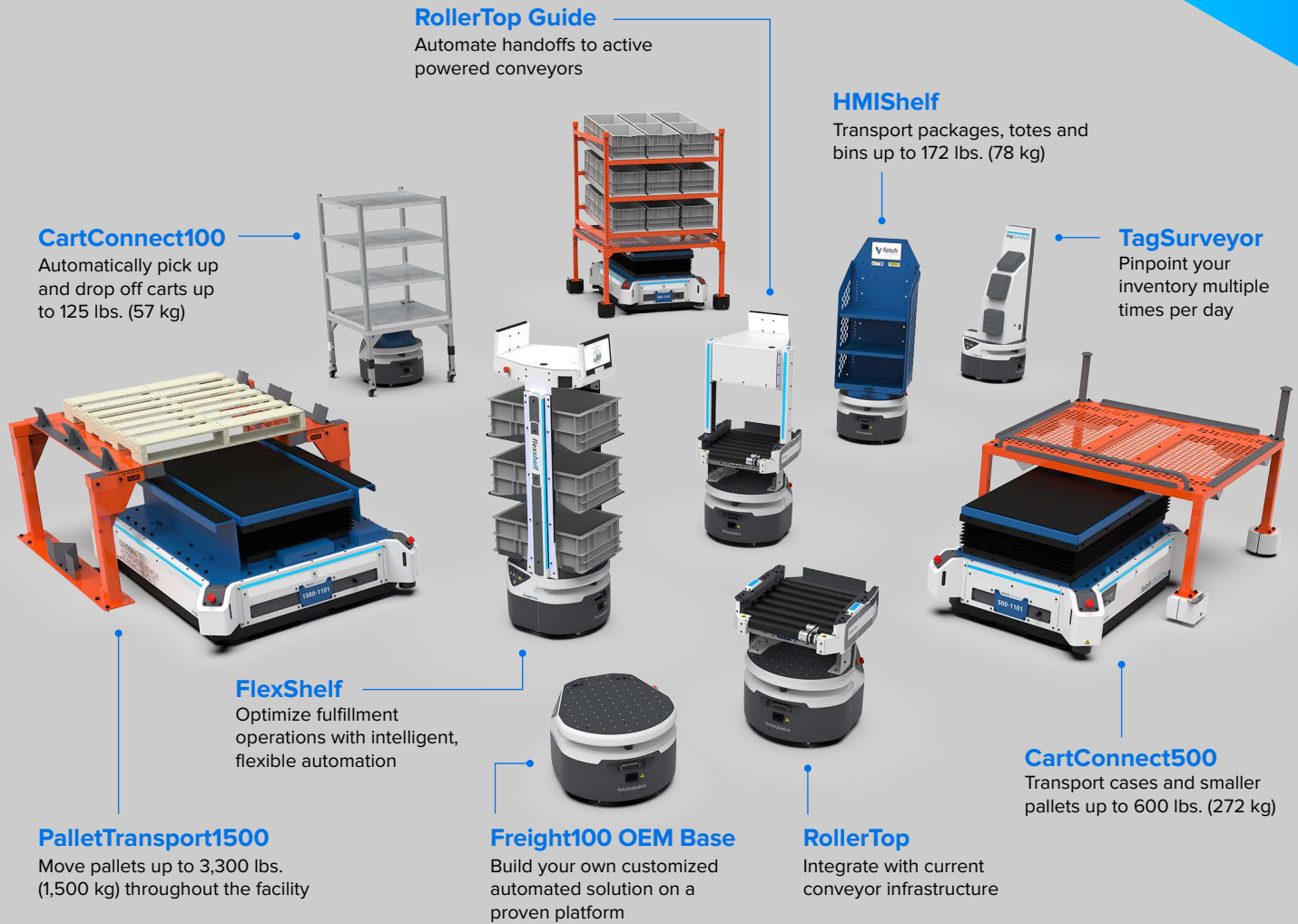### Move More Material Types

FetchCart Base serves as the starting point for designing your own customized material transport system and applying automation creatively and efficiently throughout your facility. You can accommodate a wide variety of payloads and maximize capacity per your application requirements. FetchCart Base uses the same reliable docking mechanism as our standard FetchCarts, so CartConnect100 AMRs interface seamlessly.

Some unique applications include: detrash and dunnage removal, parts and tools delivery, replenishment of packing materials, gravity feed racks for manufacturing work cells, and many more. Please contact Fetch Robotics for detailed specifications and measurements.

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

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

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

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)

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