

# Create the New World of Robotics Automation

## Introducing the Fetch Freight100 OEM Base

From agriculture to healthcare, hospitality, retail and beyond, organizations face a remarkably similar set of challenges. While these include competition, changing legislation, supply chain issues, and economic uncertainty, arguably the most problematic is the labor crunch.

By 2030, more than 85 million jobs could go unfilled  
\$8.5 trillion – potential loss of economic value<sup>1</sup>

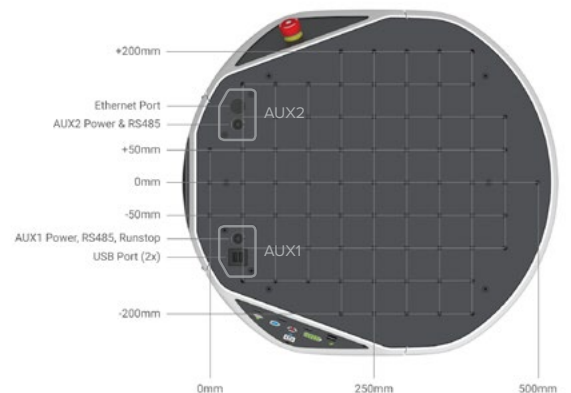
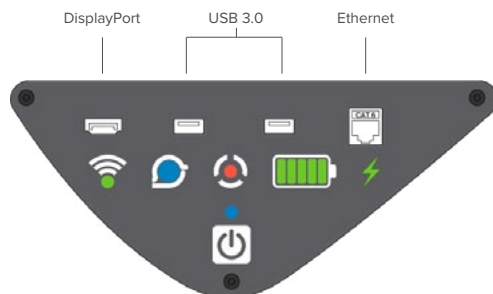
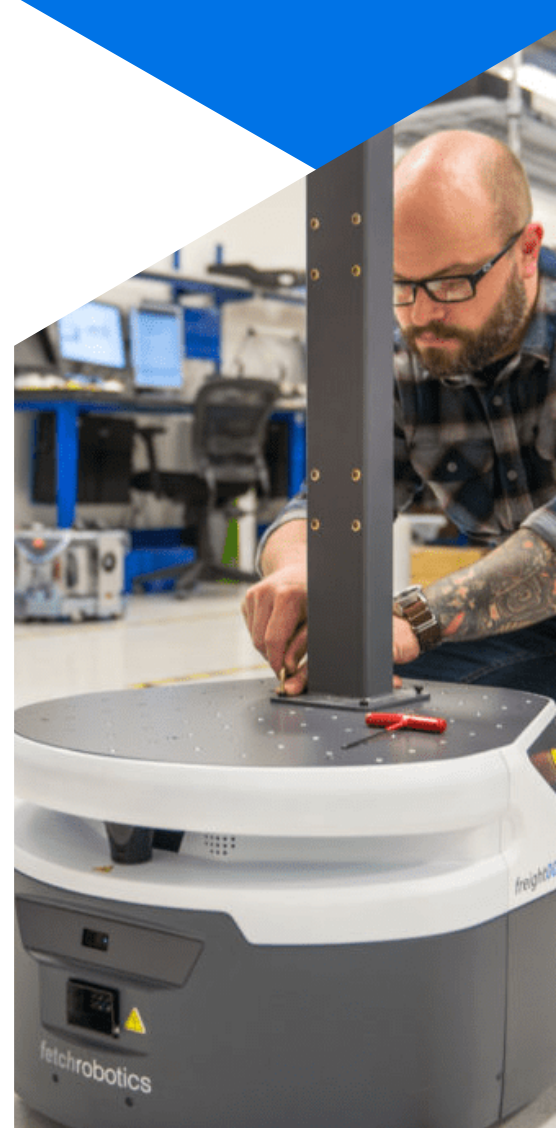
To offset the resource challenge, and increase the agility and cost-effectiveness of operations, organizations are embracing automation. You can lead the race to automate by creating robotics solutions on our ready-to-go OEM mobile base.

### Introducing the Autonomous Mobile Robotic Base to Unleash Your Ingenuity

Whether you're an integrator or software developer, the fully autonomous Fetch Freight100 OEM Base accelerates your R&D programmes. Designed to be extensible and versatile, it provides a safe and proven autonomous mobile base on which you can build virtually any application. Key features include:

- **Assured safety\*** – some of the most advanced safety features available enable obstacle avoidance and detection. And two 3D cameras give superior vision to avoid ground-based and overhanging obstacles. The Fetch Freight100 OEM Base carries the CE mark and FCC registration.
- **Flexible mounting** – a modular top-plate with 73 threaded mounts makes it easy to connect hardware and sensors.
- **Versatile connectivity** – two power ports, direct communication bus, Ethernet, and USB 3.0 ports on the top of the base make it easy to connect accessories. A side panel provides access to Ethernet, USB 3.0 and DisplayPorts.
- **At-a-glance status** – with Wi-Fi, battery, run-stop, and Fetch Core status lights.
- **Simple integrations** – REST APIs make it easy to connect your autonomous mobile robot with other applications such as industrial control systems.

The base also comes with a full suite of FetchCore™ Enterprise software, which makes it easy for you to develop, setup, and deploy your AMR solutions.



## A World of Opportunities

The Fetch Freight100 OEM Base enables a huge range of applications across sectors. Some of the highlights include:

**Agriculture:** AMRs are used to transport items to workers in greenhouses, manage crop curation – such as watering and plant treatment with herbicides and pesticides – and photograph the status of crops to assess health. They can also check temperatures and humidity, and gently harvest crops in greenhouses to reduce plant damage.

**Healthcare:** AMRs deliver supplies, such as medications, lab samples, and medical equipment, across clinics, freeing up staff for more valuable tasks. Mobile solutions can also be used to disinfect areas, while devices with telepresence capabilities can enable remote healthcare providers to interact with patients and clinicians.

**Hospitality:** AMRs equipped with touchscreens can take orders and be used to transport items to tables and clear them away, with demand, too, for robots which can clean and disinfect floors and surfaces. In hotels, AMRs can check people in, show them to their room, deliver and collect room service, assist housekeeping with cleaning tasks, undertake security checks, and monitor air quality and temperature.

**Retail:** AMRs can be used to take items from the storeroom to customers in store, carry out stock checks, replenish items on shelves, answer basic customer queries and help them find items, manage cleaning, and monitor the store for potential theft or other security threats.

### Reducing Emissions in Agriculture

With 30% of global emissions from food production and transportation, the move is underway to move production closer to consumers. Hippo Harvest is pioneering this transition. It positions greenhouses – which don't need farmland and can be climate controlled – in urban conurbations. The Hippo Harvest AMRs comprise inexpensive customized attachments fixed to the base to delicately harvest crops, spray water and nutrition on plants, and weigh plant trays and transport them around sites. They help the micro farms operate efficiently, for example, by damaging fewer plants during harvesting and hydrating and feeding plants with precision.



14%

less water



55%

less fertilizer

## Get Ahead with Zebra

The Fetch Freight100 OEM Base and software are a powerful blank canvas that helps you reduce R&D costs and get to market faster. The AMRs are easily connected to any system or control interface and are intuitive for teams to operate and manage. The base supports any build approach, be it component integration, private label, or a custom product development.

The Zebra brand is well known across sectors. And with our reliable products, latest technology, and best-in-class support in your corner, our partnership can help strengthen your overall proposition in the eyes of prospective customers.



Fetch Robotics' CartConnect carries a CE mark and meets regulatory requirements for product safety.



\*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.

For more information, please visit  
<https://fetchrobotics.com/freight100-oem-base/>



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