

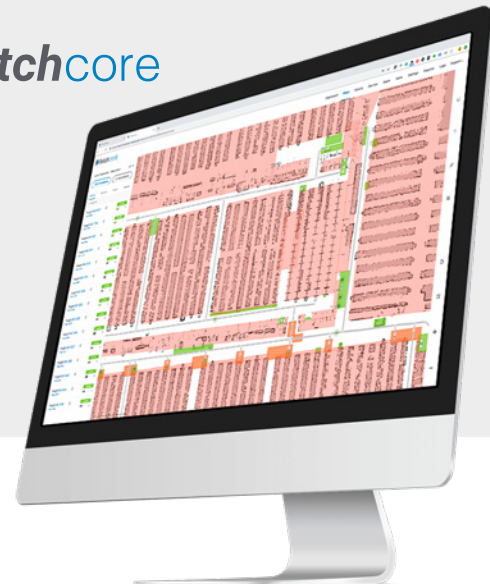


freight500/1500

Large and Palletized Payload Transport

Key Benefits

- Improves pallet pick and putaway by dramatically reducing manned travel
- Reduces forklift dependency, traffic, and incidents
- Safe, smooth movement with zero blind-spot sensor coverage
- High duty cycles enabled by fast charge capability



KEY WORKFLOWS



Case Picking



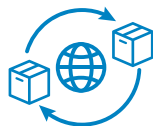
Pallet Movements



Putaway



Crossdocking / Consolidation



Packing & Pallet Recycling

Freight500 and Freight1500 are part of the Fetch 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 Fetch Cloud Robotics Platform to enable on-demand automation, instantly deploying, modifying, and scaling unmanned travel as needed.

Industry Leading Payload Capacities

The Freight500 and Freight1500 autonomous mobile robot (AMR) bases greatly expand the possible AMR applications in industrial facilities. Freight500 handles cases and smaller pallets while the Freight1500 handles up to US standard 40inx48in pallets.

Industry Leading Safety Features

Freight500 and Freight1500 feature Fetch Robotics' industry-leading dynamic obstacle avoidance technology as well as a certified hardware-based safety system, allowing these large AMRs to operate safely around associates and vehicles.

| Specifications | <i>freight500</i> | <i>freight1500</i> |
|-----------------------------------|--|--|
| Weight | 267kg (589lbs) | 469kg (1034lbs) |
| Height | 35.6cm (14in) | 35.6cm (14in) |
| Base Footprint | 101.4cm (40in) wide, 144.1cm (56.7in) long | 132.4cm (52in) wide, 167.7cm (66in) long |
| Maximum Payload Weight | 500kg (1100lbs) | 1500kg (3300lbs) |
| Maximum Speed | 1.5m/s (3.4mph) | 1.5m/s (3.4mph) |
| Turning Radius | Turn in place | Turn in place |
| Battery | Lithium Iron Magnesium Phosphate | Lithium Iron Magnesium Phosphate |
| Nominal Continuous Runtime | ~9hrs | ~9hrs |
| Charging | Autonomous Docking | Autonomous Docking |
| Charge Time | 1hr to 90% | 1hr to 90% |
| 2D Laser Sensor | 40m (131ft), 360 degree coverage | 40m (131ft), 360 degree coverage |
| 3D Camera | 360 degree coverage (x8 cameras) | 360 degree coverage (x8 cameras) |
| Audio | 100dB | 100dB |
| Top plate mounting points | 56 | 58 |
| Environment | Indoor | Indoor |



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.

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