ADDVERB

ZIPPY X

ROBOTIC SORTER

Addverb's high-speed robotic sorter, Zippy X works on the concept of grid-based ground markers to intelligently sort orders providing high sortation throughput. It enables precise sorting into bins, gaylords, or multi-level racks, while enhancing overall workflow and ergonomics. With the help of our advanced Fleet Management System, which uses dynamic path planning algorithms, the SKUs are sorted with high accuracy.

Technical Specifications

General Specifications

Max. Payload Capacity	15 Kg
Robot Dimensions	860 mm x 660 mm x 625 mm
Weight	140 Kg
Platform	Floor
Max. Payload Dimensions	600 mm x 400 mm
Grid Size	1200 mm
Transfer Height	600 mm ~ 1600 mm
IP Class	IP20
Operating Temperature	+5 to +45 deg. C



Technical Specifications

Speed and Performance

Max. Operating Speed	2 m/s
Position Accuracy	± 10 mm
Turning Diameter	960 mm

Communication & Integration

Fleet Management Software	Yes
Integration with ERP	Yes
Integration with 3rd Party Systems	Yes
Communication Mode	Wi-Fi (802.11 a/b/g/n/ac, 2.4GHz, 5 GHz)



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Technical Specifications

Safety

Obstacle Detection Sensor	2D Laser
Parcel Detection Sensor	1 x Conveyor
Certification	CE Certified

Battery

Avg. Battery Runtime	4 Hours
Battery Specifications	LFP, 25.6V, 9Ah
Charging Time	24 Minutes (20% to 80%)

Attachment and Accessories

Sortation Attachment	Belt Conveyor on Scissor Lift
Charging Dock	Automatic Charging Station



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Key Benefits:

- Performs sortation of up to 30,000 sorts/hour *
- Efficient sorting into gaylords, bins of different heights, or multi-level racks
- Modular load handling attachment accommodates parcels of various sizes
- Reduced operation costs and higher productivity
- Saves space compared to traditional sortation
- Improves ergonomics in manual operations, enhancing worker comfort and efficiency

FEATURES

24/7 Unimpeded Operations

Zippy operates 24/7 with advanced sensors and intelligent software they perform error-free sortation.

Ultra-Fast Charging

Optimises robot performance and saves times with 12-minute fast charge capability.

Intelligent Software

Highly intuitive UI and configurable software allow users to study analytics and system performance to improve operations.

Flexible & High-throughput System

The system can match demand surges and optimise operations to maximise robot availability, charging cycles and manage path cycles.

Safety & Reliability

Automated system ensures safer and reliable warehouse operations with no single point of failure.

Quick Installation and Easy Scale-up

The system seamlessly integrates with existing ERP/WMS, is easy to deploy and very fast to scale up by adding more robots with low upfront investment.

* Sorts/hour depends on the number of infeed points, sort destinations and number of robots

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