ADDVERB

ZIPPY 10

ROBOTIC SORTER

Addverb's high-speed robotic sorter, Zippy works on the concept of grid-based ground markers to intelligently sort orders providing high sortation throughput. The flexible system can match demand surges and consumes less energy to optimise operations. 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	10 Kg
Robot Dimensions	510 mm x 475 mm x 255 mm
Weight	24 Kg
Platform	Tabletop
Max. Payload Dimensions	400 mm x 300 mm x 200 mm
Grid Size	700 mm
Transfer Height	255 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	630 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)



Technical Specifications

Safety

Obstacle Detection Sensor	Single Point Laser
Certification	CE Certified

Battery

Avg. Battery Runtime	3.5 Hours
Battery Specifications	LFP, 25.6V, 9Ah
Charging Time	24 Minutes (20% to 80%)
Battery Charging Cycles	2000 Charge Cycles

Attachment and Accessories

Sortation Attachment	Belt Conveyor
Charging Dock	Automatic Charging Station



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Key Benefits:

- Performs sortation of up to 30,000 sorts/hour *
- Seamless integration with the existing ERP/WMS
- Reduced operation costs and higher productivity
- Lower upfront costs and faster ROI
- Saves space compared to traditional sortation
- Allows multilevel installations for higher throughput requirements
- Versatility in payload type handling in terms of weight, shape and size
- Easily upscale/downscale operations by adding or removing robots from the fleet

FEATURES

24/7 Unimpeded Operations

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

Intelligent Throughput Optimization

The system uses throughput optimisation algorithms to maximize robot availability, charging cycles and manage path cycles.

Intelligent Software

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

Highly Flexible System

The flexible system can match demand surges and optimize operations to be cost-efficient.

Safety & Reliability

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

Quick Installation and Easy Scale-up

The system is easy to deploy and very fast to scale up with low upfront investment.

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

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