ADDVERB

SortIE

VERTICAL SORTATION ROBOT

SortIE enables high-scale delivery scheduling, safe operations, and better space utilisation. It can be used to perform SKU and order wise intelligent sortation to the required destination in a complete sequence. The system also provides unmatched flexibility and scalability to adapt to ever-changing market dynamics and future-proof your business. It integrates seamlessly with any conveying systems, optimising the whole outbound process with high throughput.

Technical Specifications

General Specifications

Height	2.2 m
Width	0.85 m
Max Aisle length	18 m
Max Payload	Up to 10 kg
Max Payload Dimension	600 x 400 mm

Speed and performance

Max Travel Speed	3 m/s
Max Travel Acceleration	3 m/s^2
Max Hoist Speed	0.8 m/s
Max Hoist Acceleration	1 m/s^2



Technical Specifications

Power Supply

Power supply required	1-ph 230V AC

Safety

CE Certified

Safety Provisions such as Lane Full sensors, Limit Switches and stoppers for hazard prevention.

Easy Integration

Can be integrated with flow rack, shelf racking, Pick-to-Light, and Zippy.

Reaches a min level of 0.5 m and a max level of 1.8 m



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Key Benefits:

- Performs up to 450 sorts/hour ensuring quick turnaround cycles
- Each SortIE can serve up to 1000 sort locations
- Adapts to diverse item sizes and types with customisable belts and carriages
- Adjust SortIE track length to vary sort locations, maximising efficiency for specific needs
- Robust design and safe operation ensure minimum maintenance

FEATURES

Operating Speed

Offers a carrying speed of 3 m/s, enabling fast order fulfilment

Operating Time

Can run 24/7 on a continuous AC power supply for uninterrupted operation

Advance Analytics

The system provides real-time information and analytics, enabling better decision making

Safety

Equipped with braked motors, end limit switches, and emergency switches to avoid any collision and ensure safe operations

Swift Integration

Provides seamless and smooth integration for an intelligent warehouse by mapping with existing WCS/WMS, conveyors, sorter robots and picking stations

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