ADDVERB

FlowT 1520

AUTONOMOUS FORKLIFT

Addverb's intelligent Autonomous Forklift, transports material up to 1500 kg and a height of upto 2000 mm within warehouses and factories. It is equipped with LiDAR sensors, intelligent computer vision to detect obstacles, and coupled with advanced safety sensors that allow seamless material flow.

Technical Specifications

General Specifications

Payload Capacity	1500 kg
Dimensions	1670 x 857 x 1930 mm
Weight	800 kg
Function	Ground to 2000 mm

Speed and performance

Max Speed	1.4 m/s (empty)/ 1.4 m/s (loaded)
Turning Radius	1218 mm
Operational Mode	Auto/Manual
Ground Clearance	30 mm



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Technical Specifications

Communication & Integration

Fleet Management Software	Yes
Integration with external conveyor	Yes
Integration with ERP	Yes
Wi-Fi Protocol & Frequency	802.11 a/b/g/n/ac/ax, 2.4 GHz, 5 GHz
5G Network Compatibility	Yes
IP Class	IP20



Safety

Sensors	Fork Tip Sensor, Safety Lidars (2x front)
Audio and Visual	Buzzers, LED Lighting
Optional Add-ons	Navigational Lidar 3D x 1, Safety Rated Lidars (1X Back)
Compliance	CE, ISO 3691-4

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Technical Specifications

Battery

Avg. Battery Run Time	6-8 Hours
Battery Specification	LiFePO4 24V/100Ah
Charging Time	55 to 90 mins

Attachments & Accessories

Charging Dock	Fully Automatic Smart Charging Station



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Key Benefits:

- Auto-localises itself from home position and executes the pre-defined mission without any human intervention
- Easily adaptable to changing warehouse environments
- Obstacle detection capabilities ensure safe operation
- Predictable time consumption enables scheduling capabilities
- High operational accuracy levels
- Advanced battery specifications ensure an extended operating cycle

FEATURES

Autonomous Navigation

FlowT uses advanced sensors and mapping technologies to navigate autonomously in dynamic and complex environments.

Autonomous Pallet Detection

FlowT uses AI-powered pallet detection algorithms to identify slight deviations in pallet position, adjusting its handling for accurate picking or placing.

Customisation

FlowT offers customisable fork lengths, widths, spacing, and pallet detection, ensuring safety is not compromised.

Audio and Visual Alerts

The buzzer and LED warning light alert humans when approaching turns or obstacles and sound an alarm if safety fields are breached.

Fleet Management System

AI-powered - Fleet Management System controls several robots to complete the task efficiently.

Safety

Featuring safety-certified lidars covering all directions, along with fork tip sensors, pallet detection sensors, E-stops, and ISO 3691-4 compliant speed reduction protocols, FlowT ensures customer safety.

Addverb Bot-Valley, Plot No.5, Sector-156
Noida, Uttar Pradesh-201310

automate@addverb.com

+91 9871590101