ADDVERB

DASH TUG

ASSEMBLY LINE ROBOT

Dash Tug is an advanced assembly line robot designed for material movement and tugging applications in various industrial settings. Operating with grid-based ground markers for precise navigation and obstacle detection, it seamlessly carries trollies through narrow aisles for smooth flow of heavy load.

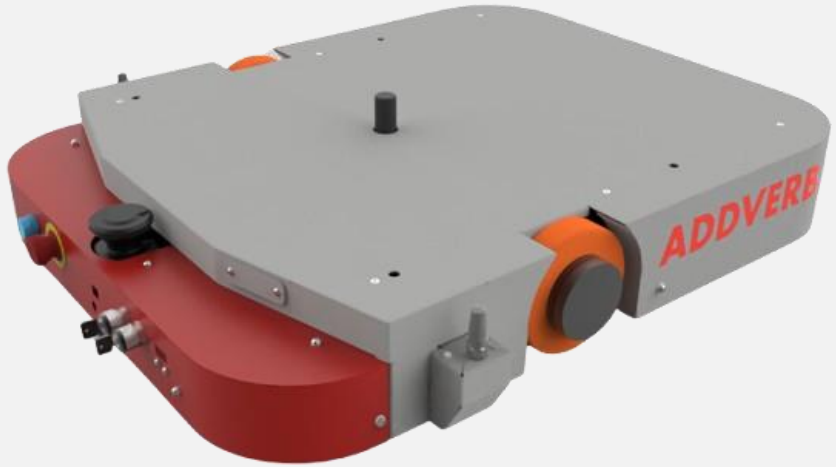
Technical Specifications

General Specifications

Max Payload Capacity	2,000 kg
Payload Type	Trolley
Max Payload Footprint	4,000 mm x 1,800 mm (Customizable)
Dimensions	1,076 x 890 x 165 mm
Weight	280 kg
Ground Clearance	12 mm

Speed and Performance

Maximum Speed	0.4 m/s
Turning Radius	In-place turning
Navigation Accuracy	+/- 10 mm
Operational Mode	Auto/Manual



ADDVERB

DASH TUG

ASSEMBLY LINE ROBOT

Technical Specifications

Communication & Integration

Fleet Management Software	Yes
Integration with 3rd Party Systems	Yes
Integration with ERP/MES	Yes
Wi-Fi Protocol & Frequency	2.4 GHz, 5 GHz (802.11 a/b/g/n/ac/ax)
5G Network Compatibility	Yes

Sensor Configuration

Navigation Sensor	QR Reader (1x Bottom)
Obstacle Detection Sensor	Safety 2D LiDAR (1x Front)
Audio and Visual	Buzzer



ADDVERB

DASH TUG

ASSEMBLY LINE ROBOT

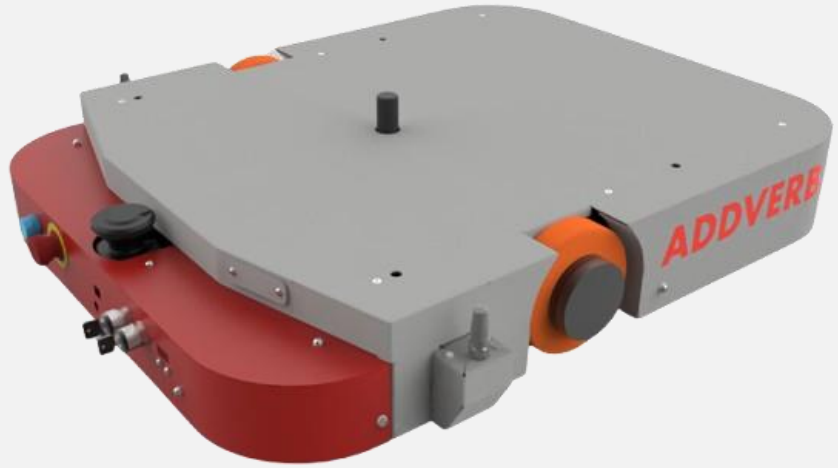
Technical Specifications

Battery

Battery Specifications	LTO, 24V, 45 Ah

Attachments and Accessories

Attachment	Manual Tugger
Charging	Wireless Charging & Manual Portable Charger
Accessories	Trolley



ADDVERB

DASH TUG

ASSEMBLY LINE ROBOT

Key Benefits:

- Navigates smoothly in narrow aisles and tight spaces, maximising space utilisation
- Handles heavy loads effortlessly, reducing manual labour
- Reduces operation costs and increases productivity
- Improves ergonomics in manual operations, enhancing worker comfort and efficiency
- Requires minimal maintenance and high reliability, built for 24/7 operations

FEATURES

24/7 Unimpeded Operations

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

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.

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

automate@addverb.com

+91 9871590101