Novus Carry AGV Series

Automated Guided Vehicle (AGV)

Customized Solutions for Smart Assembly & Material Handling

Precision, Safety, and Efficiency in Every Move

What is an Automated Guided Vehicle (AGV)?

An Automated Guided Vehicle (AGV) is an advanced, driverless material-handling robot designed to transport heavy or delicate loads safely and efficiently within industrial environments. Guided by sensors, vision systems, LiDAR, or magnetic/QR navigation, AGVs automate repetitive movement tasks, reduce manual labor, and ensure consistent operational flow.

The Novus Carry AGV Series delivers high-performance intralogistics and assembly automation across multiple industries — with a strong focus on the automotive sector, where precision, payload capacity, and operational safety are critical for success.

Key Features of Novus Carry AGV Series

- Heavy-Duty Payload Handling
- Flexible Navigation Options
- Precision Docking
- Scalable & Modular
- Safety-First Design
- Low Maintenance, High Uptime

Industries We Serve

- Automotive
- Heavy Engineering
- Farm Equipmemt
- Electronics & Appliances
- Manufacturing & FMCG
- Aerospace

www.novushitech.com

marketing@novushitech.com

Use Cases of AGVs in the Automotive Industry

- Engine Assembly & Transfer
- Transmission Assembly
- Axle Assembly
- Instrument Panel/Digital Cluster Assembly
- Vehicle Marriage (body-to-chassis joining
- Final Vehicle Assembly Line
- Trolley Transfer for component kits and sub-assemblies

Impact of Novus Carry AGV Series

- Up to 30% Faster Assembly Line Efficiency
- Reduced Manual Labor & Lower Operational Costs
- Enhanced Workplace Safety with zero-accident movement
- Industry 4.0 Integration for smart factory automation
- Optimized Space Utilization without reliance on conveyors

Product Parameter

Navigation Type	Magnetic Tape/QR Code/SLAM(2D/3D)
Run direction	Uni/Bi/Omni
Load capacity	500 kg to 20 Ton (Custom Robot)
Travel speed	1 m/min to 30 m/min (Programmable as per JPH/Throughput)
Drive method.	Single Wheel / Differential / Ackermann (Steering) / Omnidirectional
Battery charging method	Manual Swapping / Opportunity Charging (Contact Type/Contactless Type) Induction Charging