

CompactMover™

Automated Guided Vehicles (AGVs)

CompactMover AGV designs include a modular base platform that provides a cost-effective, efficiently manufactured, and easy-to-integrate vehicle.

With standardized material handling options including standard high-lift forks, specialized conveyors, shuttle units, and the option to use the vehicles for towing operations, CompactMovers deliver the versatility needed to suit varied logistics applications. These AGVs, controlled by our supervisory SuperFROG® software, provide a logistics solution trusted to execute mission-critical operations.



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Features

- » High-lift fork, low-lift fork, conveyor, shuttle, and towing packages
- » Intuitive user interface and obstacle detection sensor (ODS)
- » 24/7 operation supported by high capacity and opportunity charging using lithium titanate (LTO) battery technology
- » Easily maintained using standard tools and parts across the AGV fleet

We offer standardized CompactMovers in configurations designed to meet industry challenges. Our AGVs provide the customer with a safe and efficient logistics solution that delivers optimized transportation of goods and eliminates incidents on the workfloor.

CompactMovers are specifically designed to meet multiple logistics challenges with a highly engineered and flexible common base platform. This enables the use of standard tools and spare parts to serve an entire fleet. From low- to high-lift forklift applications, conveyor applications of varied heights, to simple towing applications, the CompactMover delivers.

Our proprietary SuperFROG® supervisory software system controls fleet and traffic management, including various logistics functions and order fulfillment. SuperFROG® also defines vehicle traffic rules, collects AGV performance data, and optimizes battery consumption and charging requirements.

The inherent control features provide the customer with a healthy system offering continuous, around-the-clock logistics activity. CompactMovers can be integrated into a larger network of AGVs—of like and different types—operating within the same layout.



Vehicle Design

The CompactMover product line is adaptable and flexible. Standard front and rear modular options provide optimized configurability, steering capabilities, and incorporate pre-engineered material handling options. Standard designs include:

- » Counter-balance forklift
- » Fork over leg
- » Straddle leg forklift
- » Conveyor
- » Shuttle
- » Tugger
- » Lift deck
- » Double deck
- » Double lift
- » Double and triple lift
- » Dual drive enabling dual steer crabbing

CompactMovers are available in 3-wheel and dual drive configurations which enables sideways (crab) driving to ensure accurate positioning at load pick and drop points.

Technical Data

Type	Counter Balance	Fork Over Leg	Straddle Leg	Conveyor	Tugger	Lift Deck	Double Deck	Double Lift	Double/Triple Unit Load
Wheel config.	3 wheel (1 x drive/steer, 2 x support)	4 wheel (1 drive/steer off center, 3 x support)	3 wheel (1 x drive/steer, 2 x support)	3 wheel (1 x drive/steer, 2 x support)	3 wheel (1 x drive/steer, 2 x support)	3 wheel (1 x drive/steer, 2 x support)	3 wheel (1 x drive/steer, 2 x support)	3 wheel (1 x drive/steer, 2 x support)	3 wheel (1 x drive/steer, 2 x support)
Drive motor	24V AC, 2.6W max. speed 6.23 ft/s / 1.9 m/s	24V AC, 2.6W max. speed 6.23 ft/s / 1.9 m/s	24V AC, 2.6W max. speed 6.23 ft/s / 1.9 m/s	24V AC, 2.6W max. speed 6.23 ft/s / 1.9 m/s	24V AC, 2.6W max. speed 6.23 ft/s / 1.9 m/s	24V AC, 2.6W max. speed 6.23 ft/s / 1.9 m/s	24V AC, 800W max. speed 4.92 ft/s / 1.5 m/s	24V AC, 800W max. speed 4.92 ft/s / 1.5 m/s	24V AC, 800W max. speed 4.92 ft/s / 1.5 m/s
Dim. (L x W x H*)	8.10 x 2.56 x 4.92 ft 247 x 78 x 150 cm	7.3 x 3.0 x 7.0 ft 221.5 x 92.0 x 214.0 cm	7.3 x 3.4 x 7.0 ft 221.5 x 103.0 x 214.0 cm	7.8 x 4.7 x 5.2 ft 237.0 x 142.0 x 160.0 cm	3.2 x 3.0 x 5.2 ft 98.0 x 92.0 x 160.0 cm	12.4 x 3.0 x 6.4 ft 377.5 x 92.0 x 195.5 cm	7.5 x 3.1 x 5.2 ft 230.0 x 93.5 x 160.0cm	7.10 x 2.56 x 4.92 ft 216.5 x 78 x 150 cm	6.5 x 2.56 x 4.92 ft 198 x 78 x 150 cm
Maximum payload	881.85 lb 400 kg	1,763.7 lb 800 kg	2,645.5 lb 1,200 kg	2,645.5 lb 1,200 kg	4,409.2 lb 2,000 kg	1,763.7 lb 800 kg	440.93 lb 200 kg	220.46 lb 100 kg	220.46 lb 100 kg
Maximum handling height	3.28 ft 100 cm	3.28 ft 100 cm	3.28 ft 100 cm	1.31 ft 40 cm	NA	1.5 ft 46 cm	3.61 ft 110 cm	1.64 ft 50 cm	.82 ft 25 cm
Navigation	Magnet, laser, landmark (infrastructure free)								
Standard power	Lead acid 24V/420Ah								
Optional power	LTO 24V (High Capacity, Fast Recharge)								
Recharge method	Opportunity, swap, manual								
Safety	Various integrated safety features including emergency stop buttons, obstacle detection sensors, and collision prevention systems (optional)								
User interfaces	Touch screen, joystick, auto/manual, on/off and pause								

*Height does not include laser mast navigation.

Oceaneering AGV Systems for Advanced Logistics Solutions

Oceaneering is a worldwide leader in safe, reliable, and flexible turnkey logistic and production solutions based on Automated Guided Vehicle (AGV) technology. Through innovative application of our field-proven hardware and software, our customers can benefit from adopting our AGV systems in mission-critical operations, providing long-term strategic value.

- For more information: oceaneering.com/AGV