



Laser Guidance Navigation System Allows Accurate & Safe Transport of Missiles

Features and Benefits

Significantly reduce pallet and product damage

Track inventory throughout the system

Flexible solution for plant's changing production demands

Safe, reliable delivery of pallets

Exceeded financial targets generating a 37% ROI based on labor savings

Operates 24 hours a day, 7 days a week

Industry Group: Automatic Guided Vehicle Systems (AGVS)



Laser-guided AGV system with hydraulic lift cylinders transport missiles through a factory

This AGV system operates 24/7 and facilitates the loading, transport, and off-loading of sub-assembly components, work-in-process, and finished goods for Standard Missile Extended Range products AUR integration in a new production facility. The AGV system interfaces with static stations located within the new factory and two automatic battery charging stations.

The system computer monitors the battery levels and sends the AGV to the battery charging area when its battery level becomes critical.

The AGVs move products and/or tools between stationary locations within the facility. The vehicles incorporate a docking system on each side of the AGV, support space and power provisions for third party hardware to support AGV interface with RRMIF stations, and provide accommodations for the Standard Rail and Cradle Drive System. Each AGV is also equipped with the Raytheon-designed deck stiffeners, off-board automatic charger, and on-floor charge shoes.

These AGVs not only accurately and safely transport missiles through a factory, but they also reduce labor costs, improve safety, eliminate

material handling related product and facility damage, and increase productivity.



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