



Automatic Guided Vehicles Increase Efficiency of Block Stack Storage

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)



AGV transports Container and Underlayment Rolls on Pallets

The AGV System operates 24/7 and facilitates the movement of full and empty containers of product as well as underlayment rolls on pallets between block stack storage lanes in WIP container storage areas and various conveyor interface points throughout the facility's production areas. The vehicle control software communicates with the host computer.

The JBT AGV system operates as a "taxi" system and delivers full and empty containers of product from pickup locations to its subsequent drop-off points. For containers going from WIP storage to the production area, the host computer initiates a request to the AGV manager software. It communicates a specific pickup location within a storage lane, including the storage height. The host computer also specifies which production conveyor the AGV should drop off the container.

The system consists of eight hydraulic lift. It also includes system computers as well as software to

monitor and interface with existing equipment. The AGVs are each equipped with a single wide carriage as well as 60" long forks with side shift and fork positioners.

JBT provides a proven, cost-effective system including all hardware and software to facilitate the AGV movement of full and empty containers between block stack storage lanes and various conveyors. By automating this process, this manufacturing facility improved its efficiency and freed its workforce to perform more important tasks.



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