

AGVS APPLICATION OVERVIEW

SIEMENS DEMATIC

INDUSTRY: Warehousing/Distribution

TYPE OF AGV: Tugger

SYSTEM STATS

Vehicles: 6
Stations: 27
Path: 11,000 feet

SYSTEM CONTROLS

- Non-wire AGV navigation
- On-board vehicle dispatching
- Manual battery change-out
- Dual level trailers with 4 wheel linked steering
- Q-CAN[®] Quick Configurable System

SYSTEM OPERATION

In this large warehouse distribution center, AGV trains transport product between receiving, storage and shipping areas. Each AGV train can transport up to 12 pallets of product. The trailers are loaded and unloaded with forklifts.

Operators use the onboard AGV dispatch panel to input destinations. They may select multiple destinations to be visited by the AGV one time or repetitively. For

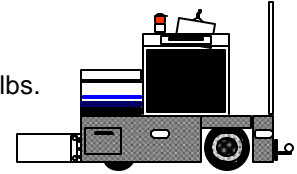
example, if similar product is being received or shipped, then one or more of the AGVs can be programmed by the operator to repetitively service a selected series of pickup or delivery locations. All the operators in these areas have to do when finished with the AGV is to restart it and it will automatically proceed to the next destination.

The system eliminates approximately 8 forklifts and drivers on each of 2 shifts. In addition, the system was leased which reduced initial capital outlay thereby generation positive cash flow from the start of system operation.

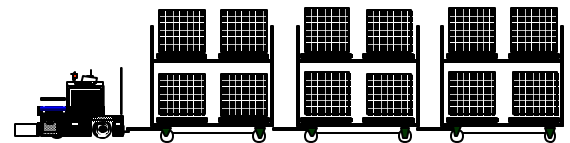
Product damage has also been eliminated and of product movement is now better monitored and controlled.

MODEL: DT-40

CAPACITY: 20,000 lbs.



CONFIGURATION



SYSTEM BENEFITS

- Automatic transportation incoming and outgoing palletized product
- Elimination of manned vehicle travel
- Reduction of transportation labor
- 1-1/2 year payback

