On-Line Training Program
Module 2

What are AGVs used for?

AGVS Product Section
of
MHI
What are AGVs used for?

Industries that use AGVs

- Automotive & Vehicle Fabrication
- Print & Paper
- Food & Beverage
- Consumer Products
- Government Agencies & Operations
What are AGVs used for?

Industries that use AGVs

- Distribution Centers
- Warehouses
- Manufacturing Facilities
- Plastic PET
What are AGVs used for?

Industries that use AGVs

- Chemical Processing
- Pharmaceutical
- Hospitals
AGV Applications

Automated guided vehicles (AGVs) increase efficiency and reduce costs by automation.

Automated Guided Vehicles can be used in a wide variety of applications to transport many different types of material.
Typical AGV Applications

AGVs excel in applications with the following characteristics:

• Repetitive movement of materials over a distance
• Regular delivery of stable loads
• Medium throughput/volume
• When on-time delivery is critical and late deliveries are causing inefficiency
• Processes where tracking material is important
What are AGVs used for?

AGV Applications

- Raw Material Delivery
  - The transportation of raw materials such as paper, steel, rubber, metal, and plastic.
- Assembly Systems
  - Movement of the manufactured product to support serial assembly processes.
What are AGVs used for?

**AGV Applications**

- **Work-in-Process Movement**
  - The repetitive movement of materials throughout the manufacturing process or between manufacturing cells

- **Pallet Handling**
  - Movement of pallets from the palletizer to stretch wrapping to the warehouse/storage and/or to the outbound shipping docks.
What are AGVs used for?

AGV Applications

• Container Handling
  • The movement of sea containers in maritime container terminals.

• Trailer Loading
  • The transportation and loading of finished goods directly into standard trailers without any special dock equipment.

• Trailer Unloading
AGV Applications

• Roll Handling
  • Transportation of rolls in many types of plants including paper mills, converters, printers, newspapers, steel producers, and plastics manufacturers.
What are AGVs used for?

AGV Applications

- Finished Product Handling
  - Moving finished goods from manufacturing to storage or shipping.
- Linking Manufacturing Cells
  - The movement of products from one process to another.
What are AGVs used for?

AGV Applications

• Specialty Applications (i.e. Precision, Clean Room, Amusement Park Rides, Personnel Transportation, etc.)
For More Information:

Contact the AGVS Product Section of MHI

http://www.mhi.org/agvs