Automatic Guided Vehicles Keep on Rolling at Paper Facility

Features and Benefits

Less Product Damage Due to Handling

Reduced Labor Costs

Increased Safety

Flexible Solution for Plant's Changing Production Demands

No Plant Interruptions During Installation

Streamlined Production Operation

Product Tracking Throughout Process

Industry Group: Automatic Guided Vehicle Systems (AGVS)

Utilizing one vehicle type for parent rolls, parent roll cores and broke has increased system utilization (efficiency) by multitasking the vehicles

A system of eighteen (18) automatic guided vehicles (AGVs) transport loads of Parent Paper Rolls, Broke Bins, Core Bins and Packing Material throughout the paper facility. All automated load movements are directed by the AGV Manager Control System and reported to the in house computer system.

A fleet of sixteen (16) large Outrigger AGVs with an adjustable fork positioner handles the Parent Paper Rolls and Core and Broke Bins. Large Parent rolls are removed from the paper machine and routed to Converting delivery stations, to storage or to the roll buffer area.

Bins of waste paper called Broke Bins are removed from converting lines by AGV, weighed and delivered to the stock preparation area for recycling.

Broke weight and source information are automatically recorded by the SGV Manager software and made available to the in house computer system. A smaller counterbalance forklift AGV handles pallets of packing material (Poly plastic rolls) and empty pallets, while a forklift AGV with a flat-plated clamp handles pallets of boxes.

Operators communicate requests for the removal and return of full and empty core bins to the AGV Manager system with hand held Data Terminals using web-enabled wireless technology.

This system of AGVs has provided the paper facility with a damage-free solution to material handling, while contributing to a safe operating environment.

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