



Automated Paper Warehouse Storage



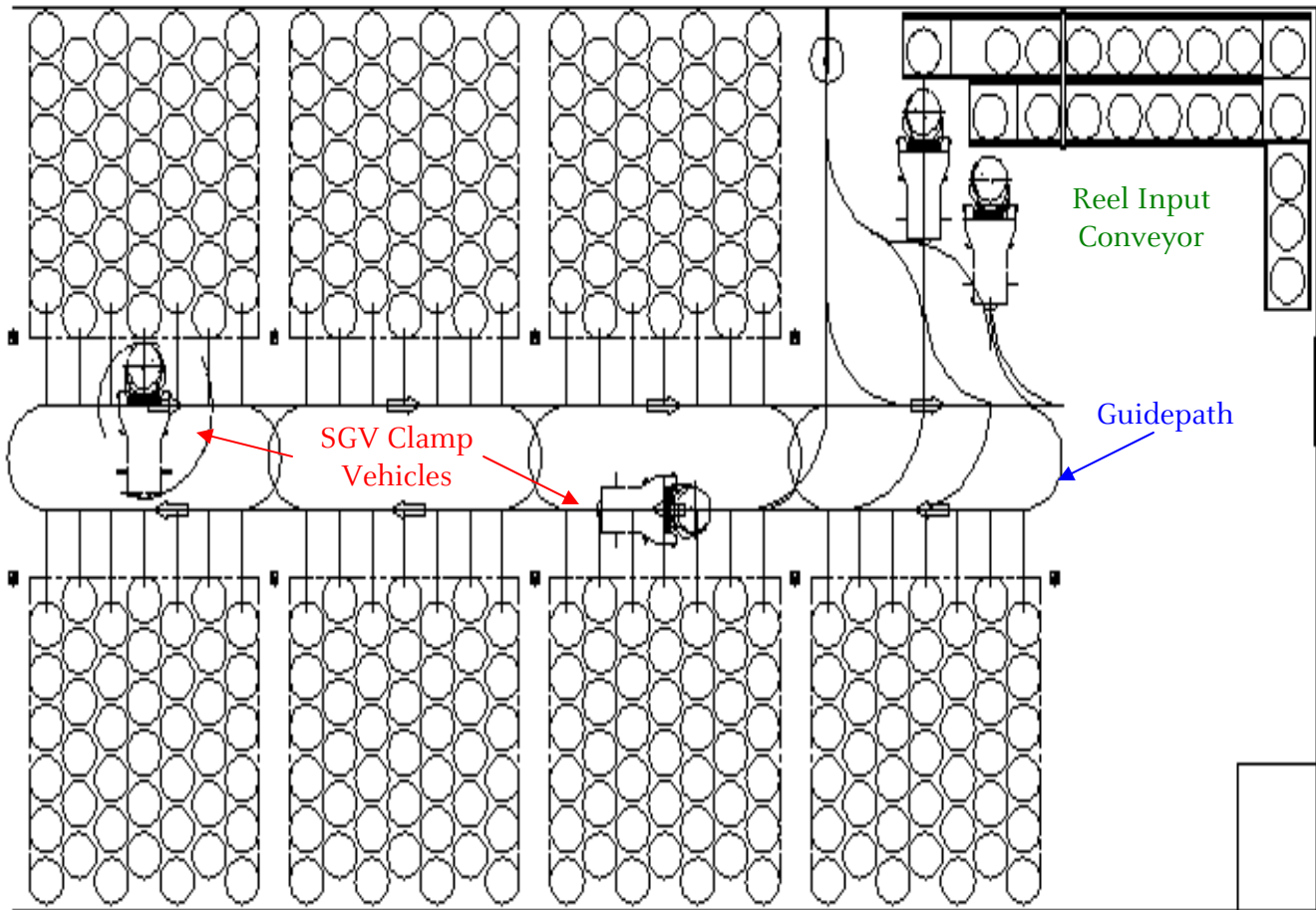
Description

- Various sized paper rolls up to 3500 kg (8000 lbs) 2.5m wide x 1.475m diameter are automatically collected from a conveyor and stacked up to 8 m high in warehouse storage bays by a fleet of 6 Laser Guided Clamp Vehicles
- The warehouse is organized for automatic guided vehicles operation and has a capacity of 10,000 tons
- Advanced sensors on the vehicles provide accurate, safe vehicle navigation along travel paths, and accurate roll positioning in storage stacks
- The vehicle fleet management computer interfaces with barcode readers and the mill wide computer to enable rolls to be automatically stored and recovered for shipping when required
- Polyurethane linings on the clamp pads ensure no roll marking or damage. An on board hydraulic aggregate precisely regulates the clamping pressure applied to the roll

Benefits

- Less Roll Damage due to handling
- Reduced Labor Costs
- Increased Storage Capacity
- Increased Safety
- Streamlined Warehouse Operation
- No plant interruptions during installation
- Flexible solution for plant's changing production demands

How the SGV2000 System Works



1 SGV Manager (Server)

- Automatically Receives Work Request from Warehouse Management Systems (WMS)
- Assigns Work to SGV2000
- Interfaces with Reel Input Conveyor
- Traffic Control for SGV2000s



2 RF Modem

- Communicates Work Order to SGV2000



3 SGV2000 Self-Guided Vehicle

