



Features:

Date Installed	September 2006
Location	Laurel, MD
Number of Vehicles	3
Vehicle Type	Outrigger w/Auto Press Loading (APL)
Load Capacity	3,300lbs.
Load Description	Rolls of Newsprint
Guidance Method	Laser
Charging Method	Opportunity
Host Controls	SGV Manager Windows
Throughput	32-38 trips/hour



SGV loading the press

System Description

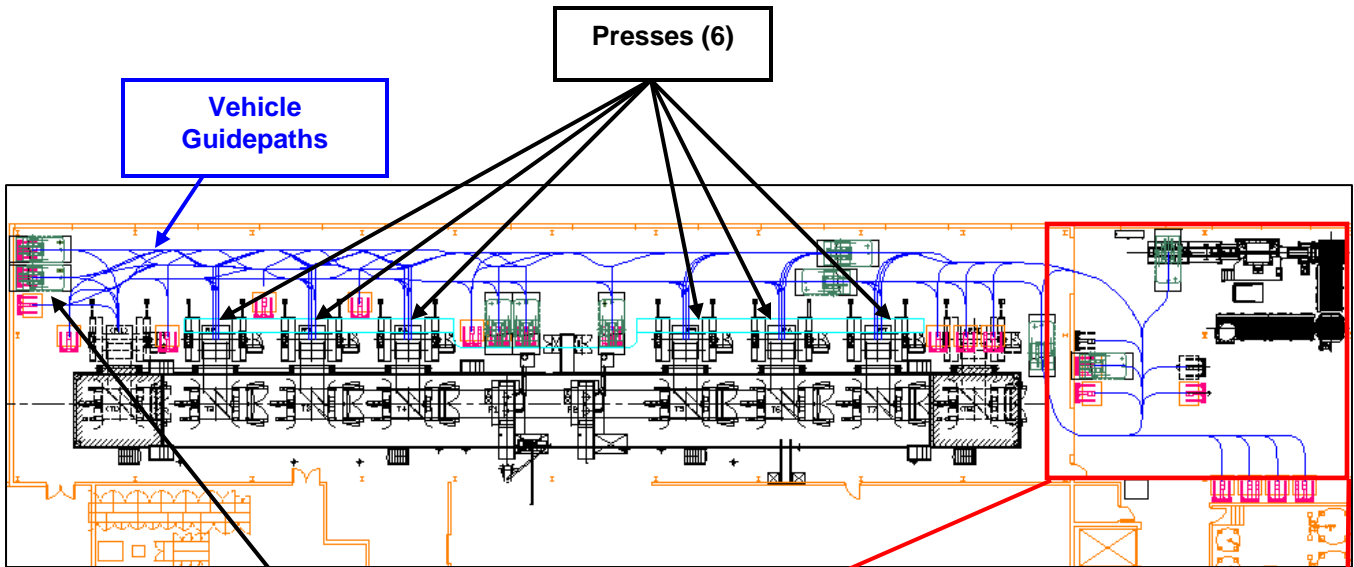
A fleet of three forked Self Guided Vehicles (SGVs) transport, load and unload rolls of stripped and pasted newsprint from a semi automatic roll preparation station to six reel stands. This unique vehicle will automatically remove spent cores and load new rolls in the same cycle. Cores are automatically dropped into a bin prior to the beginning of a new order. The SGVs will also remove, store and retrieve partial and butt rolls in vertical racks adjacent to the press. Automatic loading of the reel arms is highly accurate and repeatable by means of a sensor array and an electrical interface with the Mitsubishi Diamond Star press.

JBT Corporation computer controls manage and report on all vehicle movements with an interface to Comprint's press control system to help insure that the right roll is delivered to the right reelstand at the right time. The JBTC computer controls also manage and report on roll inventory from receipt to core removal and all movements in between.

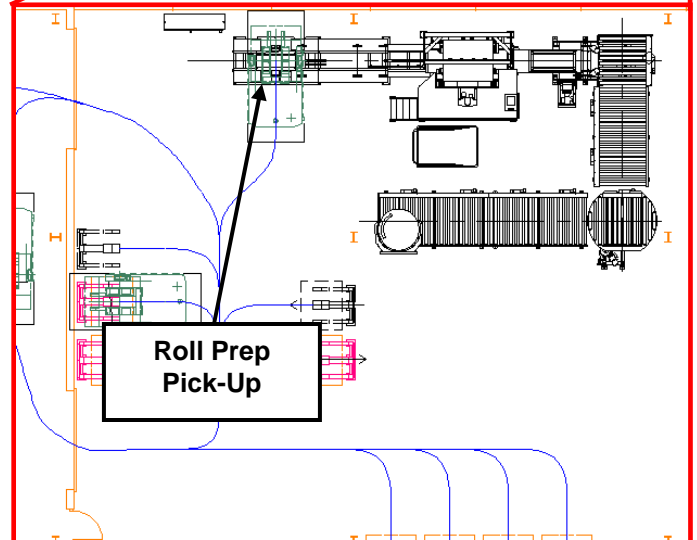
Benefits

- Reduced labor costs
- Reduced roll damage
- Reduce square footage
- Improved inventory tracking
- Increased accuracy

SGV System Layout



Vehicle delivering prepped roll to lay down racking



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