

Newspaper Application

The Washington Post College Park, Maryland

Description

Newsprint rolls are unloaded and delivered to the infeed conveyor by a clamp truck.

Rolls of paper are weighed, bar code scanned, and stripped of outer wrapping in semi-auto prep stations.

AGV delivers newsprint to roll storage or to the press.

Rolls are placed on the Automated Press Loader (APL).

Interface controls allow the roll to be automatically loaded onto reelstand arms.

AGV picks up full waste and core carts and returns empty carts for the next press run.

Features

Date Installed:	March 1998
Vehicle Type:	Fork Lift & Auto Press Loader
Number of Vehicles:	14 AGVs & 24 APLs
Application	ARL Roll Loading and Paper
Description:	Roll Storage/Delivery
Industry Description:	Newsprint
Host Computer	AIX System X-Windows on
Controls:	IBM
Guidance Method:	Embedded Wire
Load Description:	50 " Diameter rolls 4,000 lb. Load Capacity



Paper Reel is placed by an AGV onto an Automated Press Loader (APL), which will accurately position the reel into the arms of the reelstand to allow the chuck.

Benefits

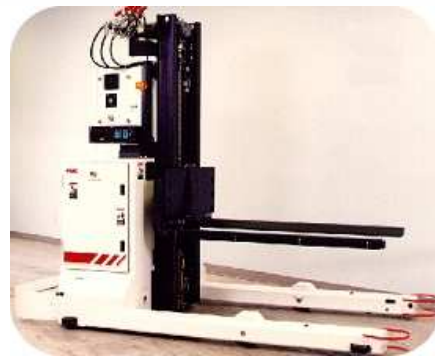
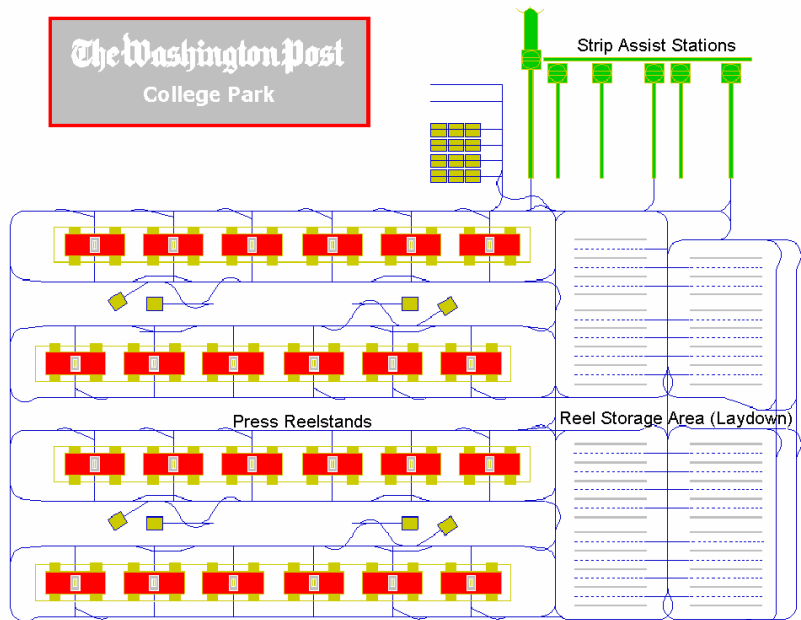
- Reduced Paper Waste
- Minimal System Supervision
- Optimal Uptime and Maintainability

FMC Technologies

System Specifications

- 2 RSC600 IBM Host Computers with
CDROM Drives, Tape Drives
Smart Switch for Automatic Failover
- 2 Ethernet Communication Boards
- 2 PCs running Xterminal Emulation
- 2 Printers – Report and Console
- 2 Graphic Console monitors
- 1 Diagnostic Modem
- 2 I/O Networks w/88 Brain Boards (Opto)
- 1 Data Terminal Network with 31 Data Terminals
- 2 RF Modems (Proxim) for AGVs and
- 2 RF Modems (Proxim) for C93s

- 2 Machine Design Stripping Stations
with Allen-Bradley PLC Controls
and PSC Barcode Scanners
- 1 Machine Design Infeed System



AGV Specification

Drive Power	Electric	Lift Speed	1"/second
Operating Voltage	48 VDC	Lift Capacity	4000 pounds
Battery Type	Lead Acid	Travel	Bi-directional
Steering	Drive/Steer	Travel Speed	185 feet/minute
Brakes	Electromagnetic	Control	Automatic Wire Guided Manual – Pendant
Lift Power	Electric	Safety Features	Horn, Flashing Strobe 3 Emergency Stop Buttons Impact Sensing Bumpers
Lift Mast	Single Stage Lead Screw	Vehicle Dimensions	5' Wide by 9' 9" Long
Elevated Height	60 inches		

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