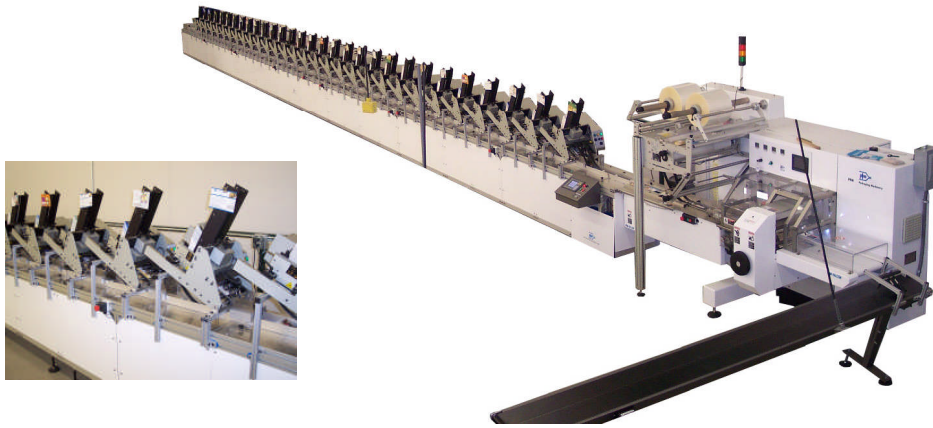


# Superior

PAPER HANDLING SOLUTIONS



*This 32-station line can be loaded and operated by 1 person*

## APPLICATION BULLETIN

### A “TOP TWENTY” PRINTING COMPANY UPGRADES THEIR COLLATING PROCESS FOR KITTING AND DIRECT MAIL FULFILLMENT

August 2007

One of the **largest printing companies in the U.S.** recently upgraded their existing process for direct mail fulfillment. The new high speed **Superior-PHS XC-32 Kitting and Collation System** provides a significant performance improvement over their existing systems. The new Superior-PHS XC-32 system increased collating line and labor productivity by over 300 percent.

After investigating several automation solutions, they elected to partner with Superior-PHS based on our overall performance and value.

**PERFORMANCE:** The Superior-PHS solution provides the ability to collate up to 32 pieces at a rate of 160 packages per minute with **over 99.99% package quality and over 90% production efficiency.**

**VALUE:** The complete solution was priced \$150,000 below the next competitive comparable solution and was delivered months earlier than the other proposed systems.

**The solution** provided by Superior-PHS consisted of (32) Xtreme XM-1™ Friction Feeders, Remote “Pause/Resume” stations, Inline Mounting Brackets, SmartControl™ Collator Communications, Champion™ 12’ Collection Conveyor, and one high speed flow-wrapper. Superior-PHS also provided complete integration of the system including mechanical & electrical interfaces for a seamless “System Solution” for the customer.

This system proved so effective, with such a quick payback, the customer is planning to replace additional existing systems ahead of schedule.

This will increase their overall plant capacity while reducing critical floor space required for fulfillment systems in order to accommodate the growing increase in print and fulfillment sales volumes.

# *Superior*

**PAPER HANDLING SOLUTIONS**

## **S**PECIFICATIONS:

Application Material Sizes:	3" x 5" up to 8.5" x 11"
Number of XM-1 Feeders	32 (max. cycle speed over 300 ppm)
Flow-Wrapper Cycle Speeds:	up to 160 packages per minute.
Average Daily Production:	100,000 to 140,000 Packages per Day
Operators:	(1) to load and operate system. (2) to sort, strap, bag, and tag.
System Production Efficiency:	Over 90 Percent
Package Integrity:	Over 99.99 Percent

## **F**EATURES:

- 160 ppm Flow-wrapper system w/ 70' Lugged Infeed and Auto-Splice
- Thirty-two Xtreme XM-1™ Friction Feeders ( 300 + ppm)
- Inline, Adjustable Mounting Hardware
- Self-adjusting Material Control Straps
- SmartControl™ Collator Communications (encoder interfaced PLC)
  - o Sequence On and Off
  - o Integrated Error Handling
  - o Soft Start/Stop Control – Every Pocket, Every Time
  - o Wrapper Interface and Communications
  - o Inter-Pocket Placement Adjust
- Remote Pause/Resume Stations
- 12' Champion™ Collection Conveyor

## **Superior Paper Handling Solutions, Incorporated**

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