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PAPER HANDLING SOLUTIONS



APPLICATION BULLETIN

MAJOR SPECIALTY CARD & ENVELOPE PRINTER AUTOMATES MANUAL COLLATION PROCESS

April 2007

This Midwestern printing company automated their manual collation process for specialty cards, invitations, announcements, and envelopes. Superior-PHS put together two automatic batch counting systems consisting of **Xtreme XM-1 Friction Feeders, Champion Collection Conveyors, and SmartCount Batch Count Controllers.**

This system was designed to feed, count, and collect printed cards and envelope products for packaging into acetate trays and reusable polypropylene bag pouches. The top load XM-1 friction feeders dispense the products at a rate up to 27,000 pieces per hour in a “shingled” manner onto the Collection Conveyor. Each batch size is preset on the XM-1 and SmartCount. The system creates a pause between each batch set to allow a break on the Collection Conveyor which gives the operator the visual count break. The operators then “scoop” up each shingled batch for placement into the packaging trays and/or reusable poly bags.

Automating this process resulted into an increase in production 4-times that of the manual process and reduced manual labor from 4-6 laborers to 2 machine operators.

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SPECIFICATIONS:

Material Types:	- Envelopes - Specialty Printed Cards - Specialty Printed Invitations
Material Sizes:	Up to 6x9
Speeds:	Continuous: up to 120 packages per minute (Depending upon size of batch)

Features:

- Two 6' Champion Collection Conveyors
- Two Xtreme XM-1 Friction Feeders
- Two Adjustable Mounting Stands with Casters
- Infeed Nip-Wheel
- SmartCount Batch Count Controller
 - o ST-1 Model (Self Triggering)

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