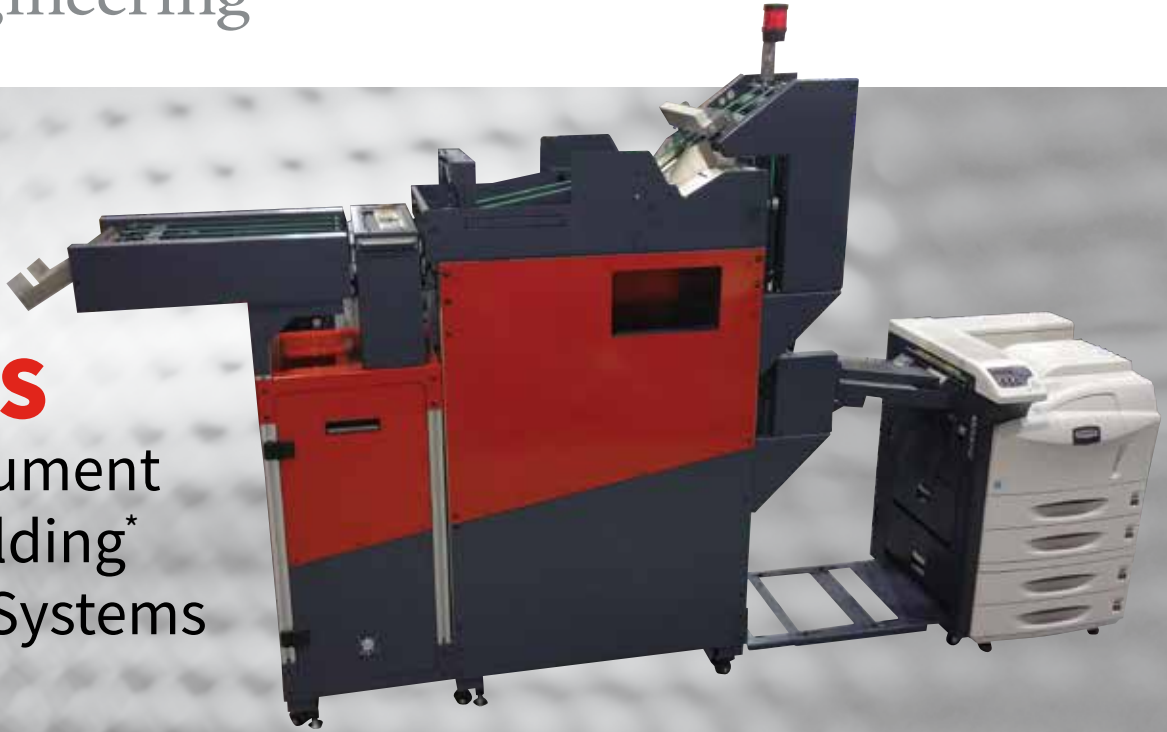# PRINT FEEDERS

In-Line Document Printing, Folding* & Inserting Systems

Increase warehouse capacity without increasing physical space with PSI's line-up of Print Feeders. Print, accumulate, separate, fold* and insert personalized, color or monochrome documents with cycle times that will impress.

Fulfillment Integration & Control Software (FIC) on the DF, SF and standard Printer Feeders makes certain that the proper shipping documents are packaged with the proper order. This powerful software synchronizes orders as picked on a per distribution line basis, integrates all cross-platform printing, logs and reports, provides remote control tools and system monitoring.

Automating your print process with a Print Feeder increases packing station efficiency, allowing for faster order fulfillment. Optional right-angle discharge keeps the equipment parallel to your conveyor to save space.

KEY FEATURES:

- Three systems within the Print Feeder family: no fold, fold on one edge, folding on both edges
- Uses standard sized photocopy paper with low operating cost printer
- Dispenses documents into boxes or totes as they pass on a conveyor line
- The packing slip can also double as the return label
- Processes orders faster than any current system available
- Orders are scanned and printed in advance, buffered and inserted when required
- Prints, accumulates, folds and inserts collateral with a cycle time of 30 (DF Model) to 25 (SF Model), standard Print Feeder to 20 orders per minute
- Folds letter sizes up to 8.5" x 14" or A4 pages to 4.5" x 3" (DF Model) or up to 8.5" x 7" (SF Model)
- Easy to design and integrate into current operations
- ROI typically in less than one year

TECHNICAL SPECIFICATIONS

SYSTEM

- Intel Microprocessor Controlled
- In-line Barcode Reader for Order Control & Verification
- LCD Display & Keypad for Status & Programming (can be relocated)
- Dimensions:
  - Standard Model: L 65" x W 17" (165 cm x 43 cm) [Print Feeder only]
  - DF Model: L 80" x W 17" (203 cm x 43 cm) [Print Feeder only]
  - SF Model: L 93" x W 17" (237 cm x 43 cm) [Print Feeder only]
- Speeds:
  - Standard Model: Feeds up to 20 documents per minute
  - DF Model: Feeds up to 30 folded documents per minute
  - SF Model: Feeds up to 25 folded documents per minute
- Power Requirements:
  - Standard Model: 120-240 V, 15-10 A – Power requirements for printer not included
  - DF & SF Models: 110-240 V , 15-10 A – Power requirements for printer not included
- Duty Cycles:
  - Standard, SF & DF Models: Up to 180,000/month

OPTIONAL INTERFACE CONNECTIONS

- External TTL
- TCP/IP to LAN

OPTIONAL FEATURES

- Barcode Controls - Hardware & Software for Document Verification
- Three-Point Barcode Verification

ACCUMULATOR SORTER

- Standard, SF &DF Model: Allows multiple printed orders to be held in the system

PRINTER

- Printer Type: Laser
- Printer Speeds: 50 to 92 ppm
- Dimensions:
  - Standard, DF & SF Models: 24" x 27" (61 cm x 68.5 cm)
- Other Printer Features & Options: Color Laser Printers Available

PRINT FEEDER (ALL MODELS)

- Number of documents per tote: Unlimited
- Can be interfaced perpendicular or parallel to the conveyor line
- Inserts 1 to unlimited sheets of paper with customer specific information on both sides
- Materials Supported:
  - Paper, 20 lb. to 24 lb. (80 gsm to 90 gsm) Bond Paper
- Paper Sizes:
  - Standard Letter – 8.5" x 11" (21.59 cm x 27.94 cm)
  - A4 Size – 8.26" x 11.7" (21 cm x 29.7 cm)
  - Other sizes of paper available through custom development

FOLDING OPTIONS

- DF Model*:
  - Documents collected in sets of up to 3 pages per feed cycle, unlimited pages per document
  - Feed direction is long or short edge
- SF Model*:
  - Documents collected in sets of up to 3 pages per feed cycle, unlimited pages per document
  - Feed direction is long or short edge

FOLDING FORMATS

- DF Model:
  - Half and Half: 4.25" x 5.5" (3 pages max)
  - One Third and Half: 2.83" x 5.5" or 3.67" x 4.25" (2 pages)
  - One Quarter and Half: 2.13" x 5.5" or 2 ¾" x 2.25" (2 pages)
- SF Model:
  - Long Edge Fold: 8.5" x 11" (Half – 4.25" x 11")
  - Short Edge Fold: 8.5" x 11" (Half – 8.5" x 5.5")
  - Short Edge Fold: 8.5" x 14" (Half – 8.5" x 7")

Note: These specifications are based on our Standard Turn-Key System
Custom Products can be developed with other requirements.

PSI Engineering is the leader in the manufacture, service and support of innovative pack station automation systems and order fulfillment automation solutions.

For more information please contact or visit: www.psiengineering.com
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