

DUPLO SYSTEM 4000

COMPLETE HIGH-SPEED COLLATING AND BOOKLETMAKING SYSTEM

When it comes to high speed and ease of operation, nothing compares to the Duplo System 4000. This new vacuum-feed collating and bookletmaking system offers professional printing operations a complete finishing solution designed to maximize productivity throughout the finishing process. Comprising a heavy-duty collator, dynamic bookletmaker, face trimmer and precision stacker, the System 4000 is capable of producing up to 4200 booklets or 10,000 collated sets per hour, and features the industry's finest state-of-the-art feed system. In addition, its vertical design, modular styling, ability to handle a variety of paper types, sizes and weights, demonstrate superb versatility.

Superior Feeding System

The unique vacuum feed on the System 4000 is designed to handle a wide variety of paper stocks with complete accuracy at high speed. This superior feeding system allows air and vacuum to be delivered independently to each bin by individual systems located at the bins. Whether two bins or 60 bins are used, the right amounts of air and vacuum are applied. This ensures accuracy, efficient operation and Optimum productivity at all times.

Versatility and Flexibility

Because each tower is equipped to operate independently, two jobs can be run at the same time in two different output directions. In addition, an array of programming capabilities makes the System 4000 extremely easy to use. For large jobs with few pages, the block program mode allows continuous tray reloading while the job is in progress.

Introducing the ultimate in collating and bookletmaking speed and performance: The System 4000 from Duplo

Detectors automatically sense when a bin has been loaded and enable all the functions of that particular bin. A touch screen, key pad and LED display keep the operator informed of the system's running status at all times. Other production-enhancing benefits include self-setting misfeed and double-feed detectors to make sure output is complete and accurate. Moreover, the System 4000 uses an advanced infrared light Detection system to provide constant and highly accurate monitoring. Down time is dramatically reduced by the System 4000's left and right reject trays, into which incorrect sets automatically are diverted without stopping the machine or interrupting production. Plus, a built-in hand-marry station dramatically speeds up the collating process when the number of sheets in a document exceeds the number of bins. It does this by allowing pre-collated sets to be merged with the output from the collator during operation. For added convenience, this tray also can be used independent of the collator for processing pre-collated output from a digital printer or copier.

Exceptional Performance

The System 4000's dynamic bookletmaker is unrivalled in today's marketplace in terms of productivity and user friendliness. Setup and Changeover are accomplished automatically, with no manual adjustments required. This not only reduces the need for highly skilled operators; it also saves valuable equipment training time. As an additional time saver, eight programmable memory settings allow operators to store repeat jobs and move from one to another by simply pushing a button. User friendly, dependable operation is further ensured by the inline System 4000 trimmer, which precisely face trims booklets with up to 100 pages, and the convenient stacker, which offers both straight and offset stacking.

A Sound Investment

Simply stated, investing in the System 4000 makes good financial sense. It's the easiest, most economical and accurate method available for turning printed material into quality finished documents.

System 4000 Specifications

Collator

Number of bins: 10, 20, 30, 40, 50 or 60

Paper Size (Min./Max.): 4.7" x 5.52" to 14" x 20"

Paper Weight: 11 lb. to 12-pt. cover

Bin Capacity: 2.5"

Detection: Double feed, misfeed, paper jam, paper transport jam and bin empty

Speeds: Bookletmaking - up to 4,200 sets per hour; collating - up to 10,000 sets per hour

Feed System: Vacuum belt with air sheet separation

Power Consumption: 120V 60Hz 9.5A

Dimensions (L x W x H): 25" x 30" x 78"; 49" x 30" x 78" when connected to the lift unit.

Weight: Lift unit - 80 lbs; each tower-705 lbs.

Other Features: 5-digit display (ascending and descending); twin conveyor vertical paper transport; auto calibration; left or right exit selection; automatic bin selection; 4-step overlap controls; multi-step speed adjustment; block mode (1/2-block, 1/3-block and 1/4-block functions); interleaving sheet insertion; reject tray (right and left); and hand-marrying unit; and System 4000 Kicker and Long Stacker

Bookletmaker

CORNER/SIDE/TOP STITCHING APPLICATION

Sheet Size (Min./Max.): 4.73" x 5.51" to 13.82" x 14.41"

Paper Capacity: Up to 30 sheets**

SIGNATURE BOOKLETMAKING APPLICATION

Sheet Size (Min./Max.): 4.5" x 6.6" to 14" x 20"

Paper Capacity: Up to 25 sheets**

GENERAL

Speed: Up to 4,200 sets per hour*

Detection: Jam and misfeed

Number of Stitcher Heads: 1-4 (2 standard) Hohner heads

Stitch Positions: Saddle, corner, side, none (fold only)

Programmable Memory Settings: 8

Automatic Functions: Stitcher heads, back jogger, side guides, stitch stopper, fold stopper and fold-back stopper positions

Power Requirements: 120V 60Hz 8A

Dimensions (L x W x H): 57" x 27" x 36"

Weight: 640 lbs.

Other Features: Knife folder with six adjustable fold rollers and insert attachment for inserting loose sheets into booklets (i. e. 6-page newsletter). long Stacker, and ASF (Automatic Set Feeder)

Trimmer

Trimming Mechanism: Upper and lower shearing action

Booklet Sizes (Min./Max.): 4.73" x 3.35" to 14" x 10"

Trimmed Booklet Sizes (Min./Max.): 4.72" x 2.87" to 14" x 10"

Trimming Margin: Up to 2.95" **

Cutting Thickness: Up to 50 sheets**

Speed: Up to 4,200 sets per hour*

Power Consumption: 120V 60Hz 8.5A

Dimensions (L x W x H): 49" x 27.5" x 42" (with receiving tray)

Weight: 442 lbs.

Other Features: Jam detectors; adjustable belt in-feed timing; inter-locking safety covers; adjustable knife speed controlled on panel; auto knife up/down; optional extended conveyor and batch kicker; bypass for documents that do not need a face trim; trim/no trim; resettable output counter; compressed air to trimmings tray; trim scrap-box-full sensor; drop-away flap for trimmings, full-width head stop and spin compression

Delivery Tray

Sheet Capacity (Min./Max.): 8.25" x 5.5" to 13.77 x 19.68"

Paper Capacity: 7"

Jogger or static modes

Speed: Up to 10,000 sets per hour*

Power Consumption: Supplied by collator