

150

Digital Booklet System

Sheet Feeding and Booklemaking Solution for Short Runs

The 150 Digital Booklet System is Duplo's entry-level bookletmaking solution, integrating the DSF-2200 Sheet Feeder with the DBM-150S Bookletmaker. A cost-efficient solution for short-run demands, the 150 Digital Booklet System accepts output from multiple sources and converts them into professionally-finished booklets.

EASY JOB PROGRAMMING

The 150 Digital Booklet System can be operated using the standard control panel, where up to 16 jobs can be saved in memory, or the optional DSF-2200 PC Controller Software.

Using DSF-2200's PC Controller software, the 150 Digital Booklet System can easily be managed and controlled by a single operator via a PC. This intuitive Graphical User Interface (GUI) facilitates the programming and saving of jobs. Simply by entering or selecting the paper sizes, the PC Controller automatically calculates the stitch, fold, and trim positions. User-friendly interface elements such as the drop down list, check boxes, buttons, and sliders make it extremely easy for an operator to select or change settings and to make fine adjustments if needed. The PC Controller can save an unlimited number of jobs that can be instantly recalled to change from one job to another within 60 seconds without any tools required.

SUPERIOR FEEDING SYSTEM

Confidently feed documents with precision and accuracy. Feeding up to 200 sheets per minute, the DSF-2200 is the perfect device for feeding pre-collated digital and offset printed documents. The DSF-2200 utilizes Duplo's patented fan technology to provide a constant and steady supply of air and suction. Together with its 8-belt suction feed system, front and side air separation and Air Management System, this compact but powerful feeder delivers exceptional feeding for a wide range of paper stocks and weights up to 300 gsm.

Each bin of the DSF-2200 is equipped with an ultrasonic sensor, a must have feature for feeding digitally printed documents or output with heavy ink coverage. Using sound waves to detect air gaps between two sheets, ultrasonic sensors are not affected by variations in ink, toner, color or paper weight and therefore, eliminate false feed errors caused by these variables.

VALUE ADDED OPTIONS

Customize the 150 Digital Booklet System to fit your needs:

- PC Controller software allows the entire system to be managed from one console and jobs to be saved for faster changeovers
- Pre-Loading Kit allows operator to pre-stage and align the paper prior to loading
- Barcode Kits read 1D and 2D barcodes to check set integrity and process jobs with variable sheet counts

FEATURES

- Optional PC Controller with unlimited job memory
- Highly accurate ultrasonic double feed detection
- Built-in anti-static device
- Belt suction feeding with front and side air separation
- Optional Barcode Kit for complete set integrity and accuracy
- Isaberg Rapid stapler and staple cartridge
- End Mark (OMR)
- Two feed trays, 4 feed modes (A, B, A+B, Alternate)

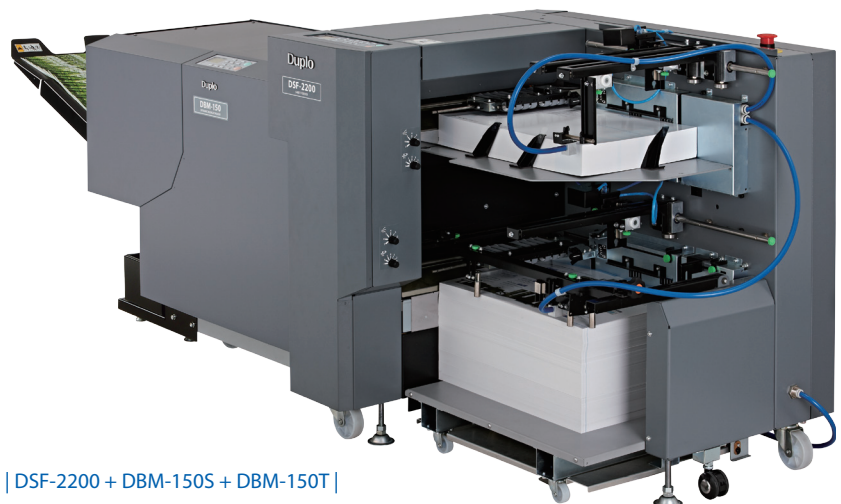
To optimize efficiency, the upper bin provides a loading capacity of 2.56" and the lower bin provides a loading capacity of 7.87". Either bin can be used to feed covers, content and sets with self covers. The Alternate mode allows the loading of one bin while the other is feeding.

INTEGRITY AND SECURITY

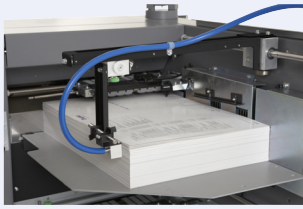
Process documents containing variable sheet counts using the built-in End Mark Reader or optional barcode reader. Utilize 1D or 2D barcodes to allow the optional barcode reader to check the set ID, page sequence and total sheet count of each set to ensure that sensitive and personalized information is processed with complete integrity and accuracy.

PRECISION BOOKLETMAKING FOR SHORT-RUN DEMANDS

Equipped with the Isaberg Rapid stapler and staple cartridge, the DBM-150S Bookletmaker produces a high quality, flat staple every time. Each cartridge holds 5,000 staples and wear parts are replaced each time the cartridge is changed out, providing a high level of reliability. The DBM-150S produces corner and side-stapled applications as well as saddle-stapled and folded booklets up to 1,720 booklets per hour. In addition, booklets can be face trimmed by adding the optional DBM-150T Trimmer.



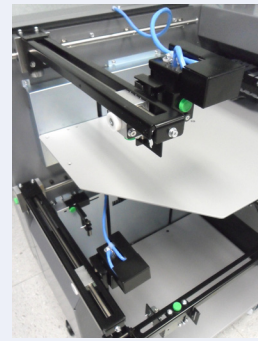
| DSF-2200 + DBM-150S + DBM-150T |



TRAIL EDGE AIR KIT provides additional air to enhance the sheet separation of longer sheets.



PRE-LOADING KIT allows operator to pre-stage and align the paper prior to loading.



BARCODE KIT OPTION reads 1D and 2D barcodes to check set integrity and process jobs with variable sheet counts.

specifications

DSF-2200 SHEET FEEDER

NUMBER OF BINS	2
SEPARATION	Front air (fan); side air (fan); optional trail edge (pump)
FEEDING SYSTEM	8 belts with 40 square inches of suction (fan)
PAPER LOADING CAPACITY	Tray A 2.56" (65 mm); Tray B 7.87" (200 mm)
PAPER SIZE	Length 7.87" - 20" (200 - 508 mm) (Maximum paper length is 24" / 610 mm only when the paper width is 7.88" - 9.05" / 200 - 230 mm. If the width is more than 9.05" / 230 mm, the maximum paper length is 20" / 508 mm) Width 4.13" - 14.02" (105 - 356 mm)
PAPER TYPE	Art/coated paper; laminated paper 79 - 300 gsm; fine paper 52.3 - 300 gsm
PROCESSING SPEED	Up to 200 sheets/minute (A4 SEF)
CONTROL PANEL	Liquid crystal display unit with main controls through PC interface
ADDITIONAL FUNCTIONS	Ultrasonic double-feed detection; end mark detector (sensor); anti-static device; alternate feed function
DIMENSIONS (LxWxH)	37" x 30" x 34"
POWER REQUIREMENTS	100 - 240V 50/60Hz 2.6A 2.6 - 1.1A 260W
WEIGHT	254 lbs.
OPTIONS	PC Controller; Trail Edge Air Kit; Preload Kit; Barcode Kit

DBM-150S BOOKLETMAKER

PAPER SIZE (SADDLE STITCH & FOLD)	Length: 8.27" - 10.9" (210 - 278 mm) Width: 4.72" - 8.27" (120 - 210 mm) Length: 11" - 18.11" (279 - 460 mm) Width: 8.27" - 12.6" (210 - 320 mm)
PAPER SIZE (SIDE/CORNER STITCH)	Length: 7.09" - 9.09" (180 - 231 mm) Width: 7.88" - 12.6" (200 - 320 mm)
PAPER CAPACITY (STITCH & FOLD)	Fine quality paper: 2 - 25 sheets 64 - 127.9 gsm / 17 - 33 lb. (1 - 25 sheets when performing fold only) Art coated paper: 2 - 20 sheets 104.7 - 127.9 gsm / 28 - 33 lb. (1 - 20 sheets when performing fold only) Cover: fine quality, art/coated 300 gsm (79 lb.) or less
SPEED	Up to 1,720 sets/hour ¹ (2 Sheets, fine quality paper, 81.4 gsm)
NUMBER OF STITCHING/STAPLE HEADS	2 (Isaberg Rapid staple heads)
PROGRAMMABLE MEMORY	16
POWER REQUIREMENTS	120 to 240V 50/60Hz
DIMENSIONS (LxWxH)	40" x 22" x 28"
WEIGHT	188 lbs.

DBM-150T TRIMMER

BOOKLET SIZE	4.14" x 4.27" - 9.06" x 12.6" (105.2 x 108.5 mm - 231 x 320 mm)
TRIMMED BOOKLET SIZE	3.35" x 4.27" - 8.27" x 12.6" (85.1 x 108.5 mm - 210 x 320 mm)
TRIM MARGIN	0.04" - 0.79" (1 - 20 mm) ²
POWER REQUIREMENTS	Supplied by DBM-150S
DIMENSIONS (LxWxH)	56" x 22" x 28"
WEIGHT	108 lbs.

¹ Dependent upon connected devices and number of bins in use

² Dependent upon paper weight and size



Duplo

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