Duplo DSF-2200 Mid-Volume Sheet Feeder

Brochure

DSF-2200 Sheet Feeder

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 (WxDxH)	37" x 30" x 34"
Power	100 - 240V 50/60Hz 2.6A 2.6 - 1.1A
Power Consumption	260W
Weight	254 lbs.
Options	PC Controller; Trail Edge Air Kit; Preload Kit; Extension Tray Kit; Barcode Kit

BOOKLETMAKERS	DBM-150 * Must have DBM-150 SxS Kit	DBM-350	DBM-500 Pro	DBMS
Paper Size: Saddle Stitch & Fold	Length: 8.27" – 10.9" (210 – 278mm) Width: 4.72" – 8.27" (120 – 210mm) Length: 11" – 18.11" (279 – 460mm) Width: 8.27" – 12.6" (210 – 320mm)	5.82" x 8.27" – 12.6" x 18.11" (148 x 210 mm - 320 x 460 mm)	4.72" x 7.01" – 14" x 20" (120 x 178 mm - 356 x 508 mm)	4.73" x 8.27" – 14.01" x 24" (120 x 210 mm - 356 x 610 mm) (When length is greater than 20", the maximum width is 9.05".)
Paper Size: Side/Corner Stitch	Length: 7.09" – 9.09" (180 - 231mm) Width: 7.88" – 12.6" (200 – 320mm)	10.12" x 7.17" – 11.69" x 8.5" (257 x 182 mm - 297 x 216 mm) optional corner/side stitch kit required	4.72" x 5.52" – 14.01" x 14.33" (120 x 140 mm - 356 x 364 mm)	N/A
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	20 sheets or less (19 sheets of 81.4 gsm + 1 cover 300 gsm)	25 sheets 20 lb. bond/81 gsm	Folds subsets of 2 - 10 sheets (cover + 9 sheets or less) and stitches up to 30 sheets (cover + 29 sheets or less)
Speed	Up to 1,720 sets/hour[1] (2 Sheets, fine quality paper, 81.4 g/m²)	Up to 3,000 sets/hour[1]	Up to 5,000 sets/hour[3]	Up to 4,500 sets/hour[1]
Number of Stitching/Stapling Heads	2 (Isaberg Rapid staple heads)	1 - 2 (Deluxe heads)	1 - 4 (Hohner heads)	2 standard, 3 or 4 stitch heads optional
Programmable Memory	16	20	12	Unlimited
Power Requirements	120 to 240V 50/60Hz	100 to 240V 3.5 to 1.5 A 50/60 Hz	120V 60Hz 6.5A	AC200-240V 50/60Hz, 0.8A
Dimensions (LxWxH)	40" x 22" x 28"	72" x 26" x 41" when in use	88" x 34" x 51"	(DBMS-F) 64" x 37" x 32" (DBMS-S) 73" x 37" x 46"
Weight	187.2 lbs.	464 lbs.	908 lbs.	(DBMS-F) 693 lbs.; (DBMS-S) 942 lbs.
Options	N/A	Corner/Side Stitching Kit; Small Booklet Kit	4 Stitcher Head Kit; Calendar Kit; 105 mm Small Book Kit	3 Stitch Head Kit; 4 Stitch Head Kit

TRIMMERS	DBM-150T	DBM-350T	DBM-500T	DBMS-T
Booklet Size	4.14" x 4.27" - 9.06" x 12.6" (105.2 x 108.5 mm - 231 x 320 mm)	5.82" x 4.13" - 12.6" x 9.06" (148 x 105 mm - 320 x 230 mm)	4.72" x 3.35" - 14" x 10" (120 x 85 mm - 356 x 254 mm)	4.72" x 4.13" - 14.01" x 12.01" (120 x 105 mm - 356 x 305 mm)
Trimmed Booklet Size	3.35" x 4.27" - 8.27" x 12.6" (85.1 x 108.5 mm - 210 x 320 mm)	5.82" x 3.35" - 12.6" x 9.06" (148 x 85 mm - 320 x 230 mm)	4.72" x 2.96" - 14" x 10" (120 x 75 mm - 356 x 254 mm)	Width: 4.72" - 14.01" (120 x 356 mm) Length: 2.95" - 11.96" (75 x 304 mm)
Trimming Margin	0.04" – 0.79" (1 - 20 mm)[2]	Up to 0.79" (20 mm)[2]	Up to 1" (25 mm)[2] (up to 2.95"/75 mm when trimming 12 sheets or less, depending on paper weight and size)	0.4" - 0.98" (10 - 25 mm)[2] (up to 2.95"/75 mm when trimming 12 sheets or less, depending on paper weight and size)
Power Requirements	Supplied by DBM-150	Supplied by DBM-350	120V 60Hz 5.4A	AC200-240 50/60Hz 2.4A
Dimensions (LxWxH)	56" x 22" x 28"	85" x 26" x 41" when in use	25" x 28" x 43"	28" x 28" x 47"
Weight	107.9 lbs.	155 lbs.	532 lbs.	606 lbs.
Options	N/A	DSS-350 off-line mode	DKT-200; DSS-350 off-line mode[3]	DKT-200; DSS-350 off-line mode[3]

[1] Dependent upon connected devices and number of bins in use
[2] Dependent upon paper weight and size
[3] Requires stand and short stacker

Availability of some system configurations mentioned : TBA
Production rates are based upon optimal conditions and may vary depending on stock and environmental conditions.
As part of our continuous product improvement program, specifications and descriptions are subject to change without notice.
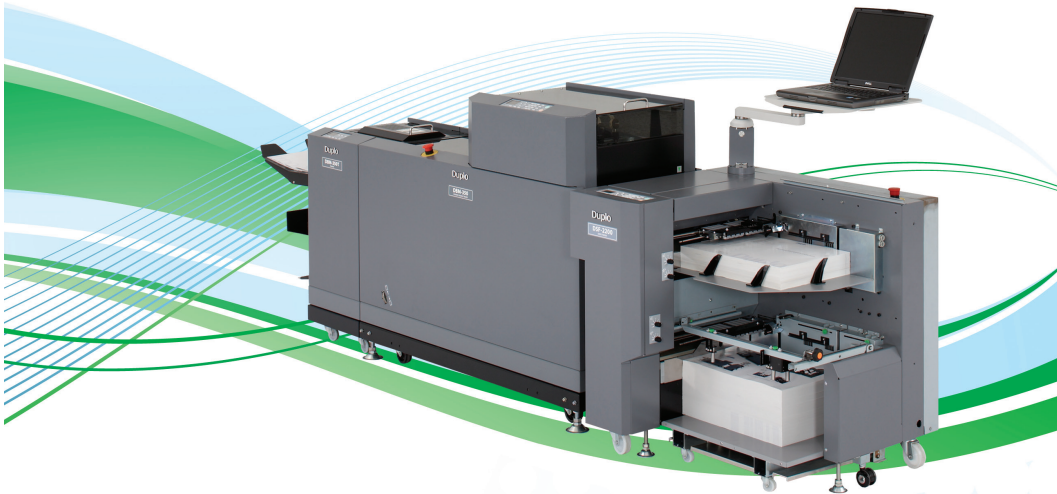

Duplo
from print to documents

DSF-2200
Sheet Feeder

- 150 Digital Booklet System
- 350 Digital Booklet System
- 500 Digital Booklet System
- DBMi Digital Saddle System

Duplo

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Precision near-line sheet feeding to meet digital printer demands!

The Digital Booklet Systems are Duplo's latest line of near-line finishing systems featuring the DSF-2200 Digital Sheet Feeder. Configured to meet the ever-changing demands of today's digital printer, the Digital Booklet Systems are designed to take printed output from multiple sources and convert them into professionally-finished booklets.

SUPERIOR FEEDING SYSTEM

Feeding up to 200 sheets per minute, the DSF-2200 is the perfect device for feeding both digital and offset printed documents. Similar to that of its higher-end counterpart, the DSF-5000 model, 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. It can handle the smallest sheet size of 4.13" x 7.87" up to 14" x 20", or 9.05" x 24" using the optional Extension Tray Kit to process the increasingly popular letter landscape application.

PRECISION AND ACCURACY

Confidently feed documents with precision and accuracy. 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.

EFFICIENCY

The feed trays can be utilized in five different ways for optimum efficiency. The upper bin provides a loading capacity of 2.56" and the lower bin provides a loading capacity of 7.87". Both bins can be used to feed the cover, content or sets with self covers and can feed a variety of paper types and weights up to 300 gsm with ease and precision.

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.

PC CONTROLLER

With the PC Controller, operators of any skill level can easily program and manage the settings and adjustments of the entire system from a single computer. Using the hard drive memory of the PC, you can store a large number of jobs which can later be recalled to quickly and easily set up the system.

150 DIGITAL BOOKLET SYSTEM

The 150 Digital Booklet System is Duplo's entry-level sheet feeding system connecting the DSF-2200 with the DBM-150 Bookletmaker equipped with the DBM-150SxS Kit. Featuring the Isaberg Rapid stapler and staple cartridge, the DBM-150 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-150 Bookletmaker can be operated via the control panel where up to 16 jobs can be saved in memory or via a PC using the optional PC Controller. Compact in size yet built-in with high performance features, the 150 Digital Booklet System produces superior corner, side, or saddle-stapled applications up to 1,720 booklets per hour.

350 DIGITAL BOOKLET SYSTEM*

Connect the DSF-2200 to the DBM-350 Bookletmaker to create the perfect medium volume digital finishing solution. Using a PC Controller for easy operation, heavy-duty Deluxe stitching heads to produce quality stitches, push belt technology to prevent marking and static build-up, and a built-in book spine compressor, the 350 Digital Booklet System can produce up to 3,000 high quality booklets per hour. Expand the flexibility, versatility and range of the 350 Digital Booklet System by adding optional corner stitch and/or small booklet kits.
* System shown on front cover

500 DIGITAL BOOKLET SYSTEM

For maximum versatility, the DSF-2200 can be configured with the DBM-500 Pro Bookletmaker. Equipped with heavy-duty Hohner stitching heads, the 500 Digital Booklet System is the perfect solution for medium and high volume printers who need an efficient and reliable way to convert documents into professionally-finished saddle, side, or corner-stitched booklets. In addition, it can also produce fold-only applications without any additional accessories or options. With the ability to process up to 14" x 20" down to 4.72" x 7.87" paper, this system is outfitted to support a wide range of applications.

DBMi DIGITAL SADDLE SYSTEM

Produce thicker, flatter booklets and prevent image cracking by connecting the DSF-2200 to the DBMS Saddle Stitcher. Using an integrated scoring mechanism and plough fold technology, the DBMi Digital Saddle System accurately scores and plough folds subsets up to 10 sheets and can saddle stitch and trim up to 30 sheets. For an added level of versatility and productivity, the optional DKT-200 Two-Knife Trimmer can be added to the system to do 2-up booklets and full-bleed trim applications. An optional Extension Tray Kit can also be added to the DSF-2200 to produce letter landscape applications.

OPTIONS

DSS-350 SQUARE SPINE MODULE*
Process up to 2,600 booklets per hour to produce flatter booklets with a square spine finish.
* Not available for the 150 Digital Booklet System

PC and PC CONTROLLER
Manage the entire system from one console and save jobs for quick setup and changeover. Required for the 350 Digital Booklet System.

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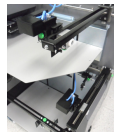Provides additional air to enhance the sheet separation of longer sheets.

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

BARCODE KITS
Reads 1D and 2D barcodes to check set integrity and process jobs with variable sheet counts.

150 Digital Booklet System
| DSF-2200 with DBM-150 with SxS Kit/DBM-150T |

350 Digital Booklet System DSF-2200 with DBM-350/T shown on cover

500 Digital Booklet System
| DSF-2200 with DBM-500/T + DKT-200|

DBMi Digital Saddle System
| DSF-2200 with DBMS + DKT-200|