

**DSF-2000 Document Sheet Feeder**

Feed Method	Vacuum belt suction system with elevating feed tray	
Feed Capacity	Bin A (main/upper tray)	7.87" (2,000 sheets 20 lb. bond)
	Bin B (secondary/lower tray)	2.36" (600 sheets of 20 lb. bond)
Paper Size	5.8" x 7.8" to 12.6" x 17.72"	
Paper Type	Bin A	Fine quality paper 14 to 34 lb. Art/coated paper 21 to 34 lb.
	Bin B	Fine quality paper 14 to 66 lb. Art/coated paper 21 to 42 lb.
Paper Detection	Double-feed, misfeed, paper jam, bin empty, upper door open/close, lower door open/close, bridge door open/close, End of Set Mark Recognition, Optical Mark Recognition (OMR)	
Speed	Up to 200 sheets per minute*; also varies upon downstream processing unit	
Optical Mark Recognition (Standard)	Upper and lower side of sheet, count and check functions, search for last sheet function	
Options	Barcode reader, job tracking and reporting, DCM-KIT (air knives for main and secondary feed trays), active anti-static bar	
Power Requirements	120V AC 1.8A or 220 - 240V 0.9A	
Dimensions (LxWxH)	44" x 30" x 40"	
Weight	300 lbs.	
Connecting Devices	DBM-120SxS Bookletmaker + DBM-120T Trimmer, DBM-400SxS Bookletmaker + DBM-400T Trimmer, DBM-500 Bookletmaker + DBM-500T Trimmer	

**SCC Slitter/Cutter/Creaser**

Paper Size	Slit/Cut/Crease & By-pass	Length 6.69" to 19.69" Width 4.72" to 12.59"
	Paper Weight	Fine quality paper 30 to 110 lb. Art/coated paper 24 to 110 lb.
By-pass	By-pass	Fine quality paper 16 to 32 lb. Art/coated paper 24 to 40 lb.
	Processing Speed	ALL MODE Slit 60 sheets per minute Cut 25 sheets per minute Crease 60 sheets per minute Slit + Crease 60 sheets per minute Cut + Crease 25 sheets per minute Slit + Cut 25 sheets per minute Slit + Cut + Crease 25 sheets per minute
By-pass	By-pass	A3 150 sheets per minute (subject to DSF-2000) A4 200 sheets per minute (subject to DSF-2000)
	Conveyance Speed	Paper infeed/outfeed and by-pass 39.37" to 59.06" per second
Slitting & Slitting Length	Right	0.16" to 0.98"
	Left	0.16" to 0.98"
Crease Position	Finished Size	Length 6.69" to 19.69" Width 4.72" to 12.59"
	Jam Detection	Paper feed section, paper alignment section, paper outfeed section, by-pass section
Interlock	Top cover	2 positions
	Side cover	2 positions
Other Detection	Bin-full detector	
Power Requirements	100 - 240V 120W 1.4 - 0.6A	
Dimensions (LxWxH)	52" x 24" x 32"	
Weight	397 lbs.	
Connecting Device	DSF-2000	
Connecting Downstream Device	DBM-500 + DBM-500T	

**Bookletmakers DBM-120SxS**

*CORNER/SIDE/TOP STITCHING APPLICATION*

Sheet Size (Min./Max.)	5.75" x 8.27" to 9.09" x 12.60"
Paper Capacity	Up to 20 sheets*

*SIGNATURE BOOKLETMAKING APPLICATION (SADDLE STITCH & FOLD)*

Sheet Size (Min./Max.)	10.98" x 8.27" to 17.72" x 12.60"
Paper Capacity	Up to 20 sheets*

*GENERAL*

Speed	Up to 1,800 sets per hour*
Detections	Paper jam (location indication), remaining staple count, top cover open/closed indication

Number of Staple/ Stitcher Heads	2
Staple/Stitch Positions	Corner, side, top, saddle (or no stitch for "fold only" applications)

Programmable Memory Settings	10 pre-set and 3 custom paper sizes
Power Requirements	120V AC 2A or 220 - 240V AC 1A
Dimensions (LxWxH)	28" x 22" x 23"
Weight	185 lbs.

**DBM-400SxS**

Sheet Size (Min./Max.)	7.87" x 8.27" to 9.49" x 14.02"
Paper Capacity	Up to 30 sheets*

Sheet Size (Min./Max.)	10.98" x 8.27" to 18.50" x 14.02"
Paper Capacity	Up to 20 sheets*

Speed	Up to 3,600 sets per hour*
Detections	5 jam detection functions

Number of Staple/ Stitcher Heads	2, 3, 4
Staple/Stitch Positions	Corner, side, top, saddle (or no stitch for "fold only" applications)

Programmable Memory Settings	8
Power Requirements	120V AC 8A
Dimensions (LxWxH)	57" x 28" x 36"
Weight	651 lbs.

**DBM-500**

Sheet Size (Min./Max.)	4.72" x 5.52" to 13.82" x 14.41"
Paper Capacity	Up to 30 sheets*

Sheet Size (Min./Max.)	4.72" x 6.7" to 14" x 20"
Paper Capacity	Up to 25 sheets*

Speed	Up to 5,000 sets per hour*
Detections	Wire draw detection

Number of Staple/ Stitcher Heads	2 or 4
Staple/Stitch Positions	Saddle, corner, side, none (fold only)

Programmable Memory Settings	12
Power Requirements	120V 60Hz 6.5A
Dimensions (LxWxH)	64" x 28" x 40"
Weight	908 lbs.

**Trimmers DBM-120T**

Booklet Size (Min./Max.)	3.94" x 7.87" to 8.86" x 12.60"
Trim Margin	Up to 0.79***
Trim Capacity	Up to 20 folded sheets of 20 lb.*
Speed	Up to 2,400 sets per hour*
Power Requirements	120V AC 2.1A or 220 - 240V AC 1.5A
Dimensions (LxWxH)	15" x 22" x 23"
Weight	124 lbs.

**DBM-400T**

Booklet Size (Min./Max.)	3.35" x 4.73" to 9.84" x 13.78"
Trim Margin	Up to 0.98***
Trim Capacity	Up to 50 sheets of 20 lb.*
Speed	Up to 4,000 sets per hour*
Power Requirements	120V AC 4A
Dimensions (LxWxH)	26" x 28" x 43"
Weight	441 lbs.

**DBM-500T**

Booklet Size (Min./Max.)	4.72" x 3.35" to 14" x 10"
Trim Margin	Up to 1***
Trim Capacity	Up to 25 sheets of 20 lb.*
Speed	Up to 5,000 sets per hour*
Power Requirements	120V 60Hz 10A
Dimensions (LxWxH)	23" x 28" x 43"
Weight	532 lbs.

**DSF-2000**



**Sheet Feeding & SCC Bookletmaking System**



Merging Black/White & Color

**Duplo**

1005SL

**Duplo**

Duplo USA Corporation 3050 South Daimler Street, Santa Ana, CA 92705 (949) 752-8222 (800) 255-1933 Fax (949) 851-3054  
www.duplousa.com

All rights reserved. No part of this document may be reproduced without permission of Duplo USA Corporation. All products are trademarks of their respective companies.

\* Dependent upon connected devices

\*\* Dependent upon paper weight and size

Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions. As part of our continuous product improvement program, specifications are subject to change without notice.

# Not Everything is so Black and White.

## Ideal Finishing Solution For Digital Printing

Introducing the ultimate document sheet feeder like no other, the Duplo DSF-2000 System combines the advantage of both in-line and off-line finishing solutions. The DSF-2000 superior suction feeding and bookletmaking qualities transform pre-collated sheets (taken directly from digital copiers or printers) into professional booklets while maintaining set integrity.

The DSF-2000 does not limit the finishing process to any one printer. Operators may merge the output from a variety of printing sources with complete set integrity. The effortless setup of the system simply requires the operator to load the paper into the feed tray and select the desired finishing application.

# DSF-2000



## Versatility and Productivity

The DSF-2000 swiftly feeds up to 200\* sheets per minute directly into the Duplo DBM-500, DBM-400SxS, or DBM-120SxS Bookletmakers. Once accumulated, the finishing touches are seconds away. In addition, the amount of sheets per set is fully controlled by a sheet counter, End of Set Mark Recognition, or optional barcode reader. Demonstrating its superb versatility to handle a variety of paper sizes and weights, the DSF-2000 primary feed tray exhibits a 7.87" loading capacity (2,000 sheets of 20 lb. bond), while the cover feed tray holds 2.36" (600 sheets of 20 lb. bond). Another unique feature of the DSF-2000, the Inverter Function allows for feeding and inverting printed set integrity.

## DBM-500 • Unparalleled Versatility

Incorporating significant technical upgrades, the fully automatic System 5000 bookletmaker is exceptionally user-friendly, versatile, and includes a revolutionary offering that sets itself apart from competitors. A state-of-the-art set accumulation system offers complete flexibility by accepting both set-by-set of the traditional offset market and sheet-by-sheet pre-collated output of digital printers. Connected to the DSF-2000 Document Sheet Feeder, the DBM-500 Bookletmaker becomes one powerful digital print finishing solution.

DSF-2000 Document Sheet Feeder  
DBM-500 Bookletmaker  
DBM-500T Trimmer

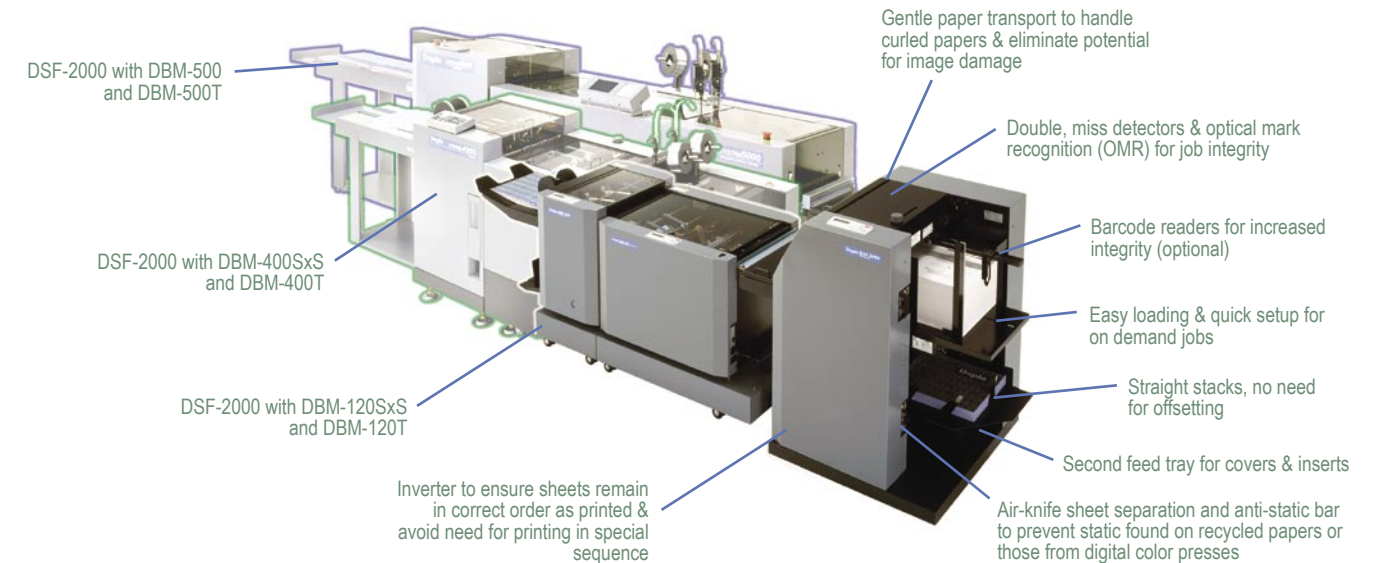


## DBM-400SxS Engineered for High Volume Usage

The DBM-400SxS Bookletmaker is unrivalled in today's marketplace in terms of durability and user-friendliness. Setup and changeover are accomplished automatically, with no manual adjustments required. Designed specifically for the needs of digital print, the DSF-2000 connected to the DBM-400SxS bookletmaking system delivers a win-win situation.

## DBM-120SxS Fully Integrated Communication

The fully integrated communication between the DSF-2000 and DBM-120SxS Sheet By Sheet Bookletmaker allows for full control of the entire system through the DSF-2000 control panel. In addition, the Automatic Size Change (ASC) will communicate with the DSF-2000 indicating the sheet size being fed, and automatically perform the size changeover on the bookletmaker. The automatic setting DBM-120SxS Bookletmaker and DBM-120T Trimmer offer speed, reliability, and productivity to help increase profits. With production speeds of up to 1,800 booklets per hour, the DBM-120SxS is the ideal finishing solution for short and medium runs.



## SCC Slit/Cut/Crease Module



## Unique Full-bleed Finishing

The SCC (slit/cut/crease) bookletmaking system is unique in bringing a slit/cut/crease function to the near-line bookletmaking process. Incorporating a DSF-2000 Document Sheet Feeder (with optional barcode reader), the SCC unit, a DBM-500 Bookletmaker, and a DBM-500T Trimmer, the SCC is the perfect solution to any application requiring a full-bleed finish.

Designed principally for the digital color market, the SCC-equipped bookletmaking system takes care of two common issues associated with digital color output. First, the SCC unit side-slits and trims the head and foot of each sheet providing an accurate full-bleed trim which is registered by a CCD camera to the image, rather than to the physical dimensions of the sheet; thus, correcting image drift. Second, the SCC module can create the cover and innermost sheets of the booklet, or all the sheets in the booklet so that image cracking on the fold-line is prevented.