Specifications

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 18"	
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-350 Bookletmaker + DBM-350T Trimmer, DBM-400SxS Bookletmaker + DBM-400T Trimmer, DBM-500 Bookletmaker + DBM-500T Trimmer, SCC + 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		
Slit/Cut/Crease	Fine quality paper	30 to 110 lb.
	Art/coated paper	24 to 110 lb.
By-pass	Fine quality paper	16 to 32 lb.
	Art/coated paper	24 to 40 lb.
Processing Speed		
ALL MODE (by-pass not in use)	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	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 & Cutting Length	Right	0.16" to 0.98"
	Left	0.16" to 0.98"
Crease Position	3.15" from lead and tail edges	
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, DSF-5000	
Connecting Downstream Device	DBM-500 + DBM-500T	

Bookletmakers

	DBM-120SxS	DBM-350	DBM-500
CORNER/SIDE/TOP STITCHING APPLICATION			
Sheet Size (Min./Max.)	8.27" x 5.75" to 12.60" x 9.09"	10.12" x 7.17" to 11.69" x 8.50"	4.72" x 5.52" to 13.82" x 14.41"
Paper Capacity	Up to 20 sheets*	Up to 20 sheets*	Up to 30 sheets*
SIGNATURE BOOKLETMAKING APPLICATION (SADDLE STITCH & FOLD)			
Sheet Size (Min./Max.)	8.27" x 10.98" to 12.60" x 17.72"	5.82" x 8.27" to 12.60" x 18.11"	4.72" x 6.7" to 14" x 20"
Paper Capacity	Up to 20 sheets*	Up to 20 sheets*	Up to 25 sheets*
GENERAL			
Speed	Up to 1,800 sets per hour*	Up to 3,000 sets per hour*	Up to 5,000 sets per hour*
Detections	Paper jam (location indication), remaining staple count, top cover open/closed indication	Paper jam (location indication), top cover open/closed indication	Wire draw detection
Number of Staple/ Stitcher Heads	2	2	2 or 4
Staple/Stitch Positions	Corner, side, top, saddle (or no stitch for "fold only" applications)	Saddle, corner***, side***, none (fold only)	Saddle, corner, side, none (fold only)
Programmable Memory Settings	10 pre-set and 3 custom paper sizes	20	12
Power Requirements	120V AC 2A or 220 - 240V AC 1A	120V 1.5A 60Hz	120V 6.5A 60Hz
Dimensions (LxWxH)	28" x 22" x 23"	50" x 22" x 41"	64" x 28" x 40"
Weight	185 lbs.	464 lbs.	908 lbs.

Trimmers

	DBM-120T	DBM-350T	DBM-500T
Booklet Size (Min./Max.)	7.87" x 3.94" to 12.60" x 8.86"	5.83" x 4.13" to 12.60" x 9.06"	4.72" x 3.35" to 14" x 10"
Trim Margin	Up to 0.79"**	Up to 0.79"	Up to 1"**
Trim Capacity	Up to 40 sheets of 20 lb.*	Up to 40 sheets of of 20 lb.*	Up to 50 sheets of 20 lb.*
Speed	Up to 2,400 sets per hour*	Up to 3,000 sets per hour*	Up to 5,000 sets per hour*
Power Requirements	120V AC 2.1A or 220 - 240V AC 1.5A	Supplied by DBM-350	120V 60Hz 10A
Dimensions (LxWxH)	15" x 22" x 23"	14" x 22" x 34"	23" x 28" x 43"
Weight	124 lbs.	155 lbs.	532 lbs.

** Dependent upon connected devices*
*** Dependent upon paper weight and size*
**** With optional kit*
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.

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Duplo

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DSF-2000

Sheet Feeding & SCC Bookletmaking System

Merging Black/White & Color

Not Everything is so Black and White.

Ideal Finishing Solution For Digital Printing

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

DSF-2000

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.

Versatility and Productivity

The DSF-2000 swiftly feeds up to 200* sheets per minute directly into the Duplo DBM-500, DBM-350, or DBM-120SxS Bookletmakers. Once accumulated, the finishing touches are seconds away. 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 offers a 7.87" stack 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 is the Inverter Function which allows feeding of one to end print formats.

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

Duplo

DBM-350 Mid-Range Production

Duplo's fully automatic, mid-range DBM-350 Bookletmaker fits between the established high-end counterpart DBM-500 and entry level DBM-120SxS/T Bookletmaker providing an additional solution for accommodating varying production requirements and budgetary needs. Offering a fully automated set-up with stitching heads and an innovative spine compressor for improved lay-flat qualities, the DBM-350 provides an extremely productive and professional solution. Its flexibility allows it to process a wide range of on-demand applications, such as CD and DVD covers to 8.5" x 11" finished booklets of up to 80 pages, with equal ease. When configured with the DSF-2000, the user-friendly PC Controller maximizes productivity by enabling the user control of the entire system at one convenient station.

DSF-2000 + DBM-350 + DBM-350T

DSF-2000 + DBM-120SxS + DBM-120T

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 offering 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 for 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. 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 to correct any image drift. The SCC module can crease the cover and innermost sheets of the booklet or all the sheets in the booklet preventing image cracking on the fold-line.