

Flexible Offset & Digital Print Finishing

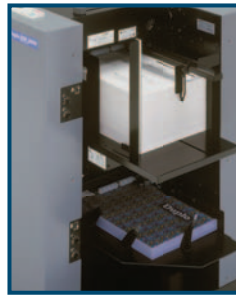
An advanced hybrid solution based on the System 5000, the Duetto System incorporates a DSF-2000 Dynamic Sheet Feeder, up to three DC-10/60 collators, DBM-500 Bookletmaker, and DBM-500T Trimmer. The Duetto is the first system to offer a combined offset and digital print finishing solution.

A unique benefit of the Duetto System is the ability to handle either straight-stacked offset or digital output, because the DBM-500 Bookletmaker is capable of receiving the documents on a set-by-set basis from the DC-10/60 collating towers or sheet-by-sheet from the DSF-2000 sheet feeder.

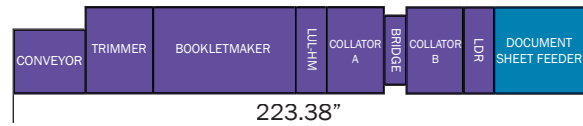
For instance, sets printed on conventional offset presses are loaded into the DC-10/60 then collated and fed into the bookletmaker, whereas sets printed on a digital print engine are loaded in the sheet feeder which is attached to the rear of the collating towers.

The pre-collated sets are fed in sequence, by-passing the collators and into the bookletmaker where the sheets are accumulated and then processed into booklets.

With amazing affordability, the Duetto System is the ideal finishing system accepting print jobs from BOTH offset and digital print engines.



The DSF-2000 superior suction feeding and bookletmaking capabilities transform pre-collated sheets in Bin A (upper tray) and printed covers in Bin B (lower tray) into professional booklets while maintaining set integrity.



DUETTO SYSTEM

SYSTEM 5000 Specifications

Collator DC-10/60

Number of Bins	10, 20, 30, 40, 50, 60
Paper Size (Min./Max.)	4.72" x 5.52" to 14" x 20"
Paper Weight	11 lb. to 12-pt. cover
Bin Capacity	2.5"
Detections	Double-feed, misfeed, paper jam, paper transport jam, bin empty
Speeds	Bookletmaking - up to 5,000 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 (LxWxH)	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, 1/4-block functions); interleaving sheet insertion; reject tray (right and left); hand-marry unit
Connecting Devices	DBM-500 Bookletmaker, DBM-400 Bookletmaker, DBM-300 Bookletmaker, DBM-120 Bookletmaker, DC-8000ST Rear Stacker, DC-12JR Rear Jogger, DBM-400STR Right Stacker, DBM-400STL Left Stacker
Options	Document Integrity System (Barcode Scanners), Intelligent Multi-bin Feeding System

Document Sheet Feeder DSF-2000

Feed Method	Vacuum belt suction system with elevating feed tray
Feed Capacity Bin A	Main/upper tray 7.87" (2,000 sheets of 20 lb. bond)
Feed Capacity 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, bridge door open/close, End of Set Mark Recognition, Optical Mark Recognition (OMR)
Speed	Up to 200 (8.5" x 11") sheets per minute (varies upon downstream unit)
Optical Mark Recognition	Standard feature, upper and lower side of sheet, count and check functions, search for last sheet function
Connecting Devices	DBM-120SxS Bookletmaker + DBM-120T Trimmer, DC-10/60 + DBM-500 Bookletmaker + DBM-500T Trimmer
Power Requirements	120V AC 1.8A or 220-240V 0.9A
Dimensions (LxWxH)	44" x 30" x 40"
Weight	300 lbs.
Options	Barcode reader, job tracking and reporting, DCM-KIT (air knife for main and secondary feed trays), active anti-static bar

Stacker DBM-400STR

Sheet Capacity (Min./Max.)	8.25" x 5.5" to 13.77" x 19.68"
Paper Capacity	17"
Speed	Up to 10,000 sets per hour*
Power Consumption	120V 60Hz 2.2A
Dimensions (LxWxH)	30" x 35" x 35"
Weight	325 lbs.
Other Features	Automatic size change; 13 programmable memory settings; straight or offset stacking; jam and door open detectors

* Dependent upon connected devices and number of bins in use

** 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.

Bookletmaker DBM-500

CORNER/SIDE/TOP STITCHING APPLICATION	
Sheet Size (Min./Max.)	4.72" x 5.52" to 13.82" x 14.41"
Paper Capacity	Up to 30 sheets**
SIGNATURE BOOKLETMAKING APPLICATION	
Sheet Size (Min./Max.)	4.72" x 6.7" to 14" x 20"
Paper Capacity	Up to 25 sheets**
GENERAL	
Speed	Up to 5,000 sets per hour*
Detections	Wire draw detection
Number of Stitcher Heads	1-4 (2 standard) Hohner heads
Stitch Positions	Saddle, corner, side, none (fold only)
Programmable Memory Settings	12
Automatic Functions	Stitcher heads, back jogger, side guides, stitch stopper, fold stopper, fold-back stopper positions, small booklet adjustments, fold roller gap, conveyance roller position, center reference, disengage the operator side stitching head when corner stitching
Power Requirements	120V 60Hz 6.5A
Dimensions (LxWxH)	64" x 28" x 40"
Weight	908 lbs.
Other Features	LCD touch panel and ten-key pad; DBM-500T settings adjustable from DBM-500 control panel; accepts set-by-set and sheet-by-sheet; jam clearance accessibility; side and corner stitch catch tray; knife folder with four adjustable fold rollers and insert attachment for inserting loose sheets into booklets; adjustable control panel, external fold skew adjustment
Connecting Devices	DC-10/60 Collator, DBM-500T Trimmer

Trimmer DBM-500T

Trimming Mechanism	Upper and lower shearing action
Booklet Sizes (Min./Max.)	4.72" x 3.35" to 14" x 10"
Trimmed Booklet Sizes (Min./Max.)	4.72" x 3" to 14" x 10"
Trim Margin	Up to 1"***
Speed	Up to 5,000 sets per hour*
Power Consumption	120V 60Hz 10A
Dimensions (LxWxH)	23" x 27.5" x 43"
Weight	532 lbs.
Other Features	Jam detectors; adjustable belt in-feed timing; inter-locking safety covers; automatic setting exit rollers; auto knife up/down; 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; spine compression; automatically adjustable in-feed roller gap
Connecting Devices	DBM-LS1 Extended Conveyor with DBM-K Batch Kicker, DBM-SS1 Short Stacker

Two-Knife Trimmer DBM-2KT

Paper Size	Fore-edge direction (width): 2.95" to 9.84" Head/foot direction (length): 4.88" to 14.02"
Maximum Processing Speed	4,000 sets per hour**
Trimming Method	Upper/lower two knives
Trimming Capacity	Fine quality paper: 81.4 gsm or 22 lb., within 50 sheets (25 sheets, single-folded) For above 127.9 gsm or 33 lb., within 24 sheets (12 sheets, single-folded)
Finished Size	4.72" to 13.86"
Trimming Width	Head to foot 0.08" to 0.98"
Noise	83 dB (upstream unit DC-10/60 + LUL-HM + DBM-500 + DBM-500T)
Power Consumption	Single phase 220-240V 50Hz 5.3A / 220-240V 60Hz 4.8A
Dimensions (LxWxH)	100" x 30" x 44"
Weight	1,179 lbs.

SYSTEM 5000



Fully Automatic Bookletmaking System



1008SL

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.

Duplo

The Ultimate Finishing Machine

Experience the Ultimate Finishing Machine.

SYSTEM 5000

Introducing the most productive and technologically-advanced collating and bookletmaking solution in the industry . . . *the System 5000!* Redefining the word automatic, Duplo presents the first and only *truly automatic* finishing machine that delivers cutting edge technology and unprecedented speeds of up to 5,000 booklets and 10,000 collated sets per hour. The heavy-duty System 5000 demonstrates superb versatility with its ability to feed up to 12-point cover and a variety of sheet sizes. Fully loaded with a wide range of first-rate features, the System 5000 will turn any novice into a finishing expert.

Superior Feeding System

The high-speed System 5000 collators, expandable up to 60 bins, deliver superior performance while maintaining complete accuracy.

- Two individual, adjustable fans deliver the same amount of air and vacuum per bin.
- Vacuum belt feed system with 40 square inches of contact area for accurate and consistent feeding.
- Immediately and accurately detects double and misfeeds.



The 2.5" bin capacity conveniently loads 11 lb. to 12-pt. cover stock of paper sizes ranging from 4.72" x 5.52" to 14" x 20".

Non-stop Productivity

Maximum production is achieved from the moment you hit start.

- Each tower can feed in both directions giving it the flexibility to make booklets or serve as a collator.
- The special block mode function allows continuous, on the fly reloading while the towers are in operation.
- Downtime is dramatically reduced as double and misfeeds are diverted into a unique reject tray without stopping or interrupting production.
- Having the largest bin capacity in its class eliminates the need for constant reloading.

Not Just a Collator. An Intelligent Feeder.

With an optional touch-screen PC controller and custom designed Duplo software, the towers transform into the IMBF (Intelligent Multi-bin Feeder), enabling the operator to select the bin from which to feed from and the feeding sequence. The IMBF fulfills a variety of applications in the digital printing environment:

- One-to-one marketing material based on a pre-determined database.
- Mailing applications with optional folder/ inserter unit.
- Inserting selected pre-printed material into black and white and color merging jobs.

Truly Automatic Finishing

Push-button setup and changeover make the System 5000 bookletmaker the world's easiest to use stitcher/folder.

- Go from 14" x 20" to a CD size book job without any additional parts or manual intervention. The stitcher heads, side

guides, back joggers, stitch and fold stoppers, and even the fold roller gap automatically adjust in only 25 seconds.

- The bookletmaker's LCD touch panel enables all functions of the trimmer to be controlled from this main unit.
- Easy changeover is achieved by diverting corner or side-stitched jobs to a separate catch-tray, while other jobs continue to pass through the trimmer onto the belt-stacker.
- Input up to 12 frequently used jobs for effortless changeover.

A Sound Investment

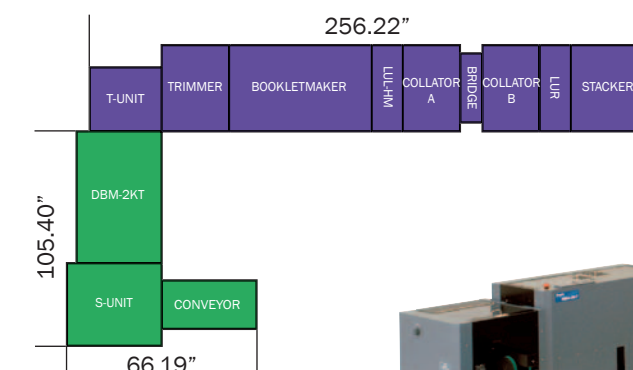
Among the multitude of features that set the System 5000 above and beyond its competition, the bookletmaker also boasts a redesigned fold unit that provides a flatter, crisper fold. Engineered to meet your every demand, this revolutionary machine is the fastest, easiest, most economical and accurate method available for turning printed material into quality finished documents.

A Modular Approach

A unique, modular approach to the need for three-knife trimming, the industry's most productive and technologically advanced System 5000 solution offers the DBM-2KT head and foot trimmer. An optional unit to the DBM-500T face trimmer, the DBM-2KT trims the head and foot of completed booklets.

The initial settings are programmed from a user interface on the trimmer and then transferred to the main memory of the finishing modules. The operator can then call up frequently used jobs from a single user interface. Full-bleed jobs can now be conveniently transferred directly from the press to the finishing device without the need for trimming on a guillotine before or after stitching and folding.

Duplo's modular equipment allows users to build up their system as their needs dictate, starting with a simple face-trim function then adding the head and foot trimmer when required. With amazing affordability, the versatile System 5000 with DBM-2KT fits comfortably into any budget.

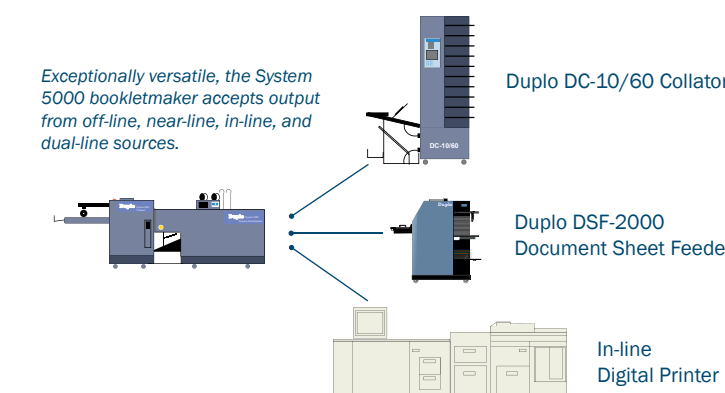


SYSTEM 5000 with DBM-2KT

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.
- Developed to meet UP3i standardization, set to become the graphic arts industry standards for machine language, the System 5000 bookletmaker will be connectable in-line to all UP3i compatible digital printers; thus, maximizing your return on investment.

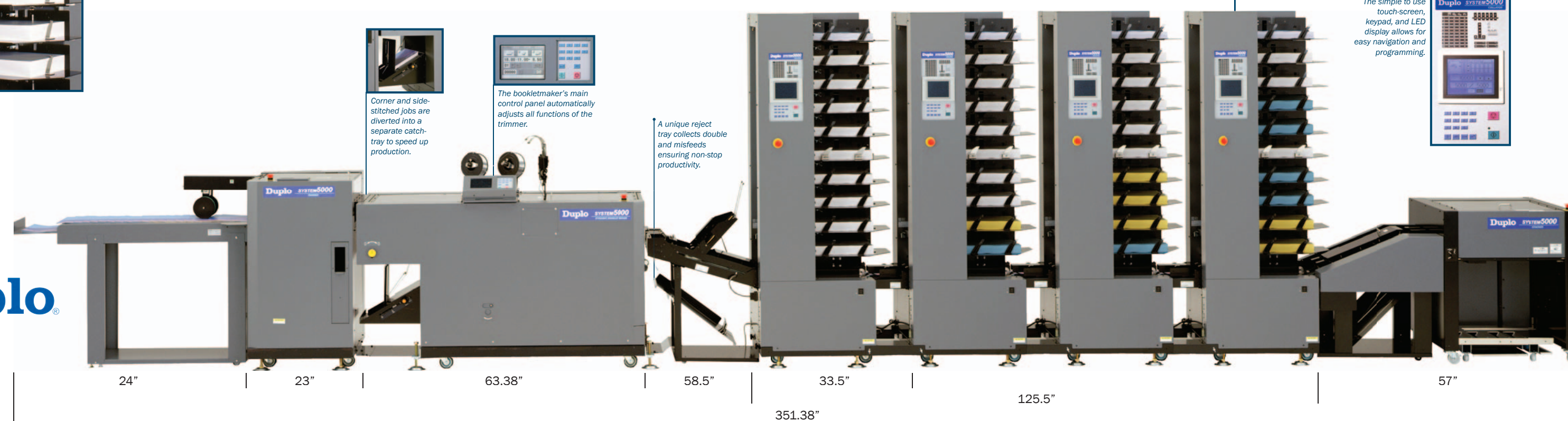


Exceptionally versatile, the System 5000 bookletmaker accepts output from off-line, near-line, in-line, and dual-line sources.

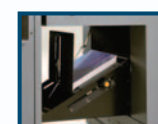
Duplo DC-10/60 Collator

Duplo DSF-2000 Document Sheet Feeder

In-line Digital Printer



The simple to use touch-screen, keypad, and LED display allows for easy navigation and programming.



Corner and side-stitched jobs are diverted into a separate catch-tray to speed up production.



The bookletmaker's main control panel automatically adjusts all functions of the trimmer.

A unique reject tray collects double and misfeeds ensuring non-stop productivity.

24"

23"

63.38"

58.5"

33.5"

125.5"

57"

351.38"