

COLLATOR DC-10/60 PRO

Number of Bins	10, 20, 30, 40, 50, 60
Paper Size (Min./Max.)	4.72" x 5.52" to 14" x 20"
Paper Weight	52 - 300 gsm
Bin Capacity	2.6"
Detections	Double-feed, misfeed, paper jam, paper transport jam, bin empty
Speeds	Bookletmaking - up to 5,000 sets per hour* Collating - up to 9,800 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 - 656 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-350 Bookletmaker, DBM-120 Bookletmaker, DC-8000ST Rear Stacker, DC-12JR Rear Jogger, DBM-400STR Right Stacker, DBM-400STL Left Stacker, DCR-ST Cross Stacker
Options	Document Integrity System (Barcode Scanners), Intelligent Multi-bin Feeding System

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 Pro Collator, DBM-500T Trimmer, DSF-5000 Document Sheet Feeder, DSF-2000 Document Sheet Feeder, DC-8/32 Collator, DCR-ST Cross Stacker

STACKER DBM-400STR

Sheet Capacity (Min./Max.)	8.25" x 5.5" to 13.77" x 19.68"
Paper Capacity	17"
Speed	Up to 9,800 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

TRIMMER DBM-500T

Trimming Mechanism	Upper and lower shearing action
Booklet Size (Min./Max.)	4.72" x 3.35" to 14" x 10"
Trimmed Booklet Size (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, DKT-200 Two-Knife Trimmer

2-KNIFE TRIMMER DKT-200

Booklet Size (Min./Max.)	4.72" x 2.95" to 14.02" x 10"
	When gutter cutter option used: 7.87" x 2.95" to 14.02" x 10" (gutter)
Finished Size (Min./Max.)	4.72" x 2.95" to 13.9" x 10"
	When gutter cutter option used: 3.54" x 2.95" to 6.85" x 10"
Trimming Width	0.04 - 1.18" Gutter: 0.24"
Trimming Method	2 upper blades, 2 lower blades
Trimming Thickness	Within 5 mm (no gutter): fine 81.4 gsm/ 22 lb. 50 sheets Within 2.4 mm (gutter): fine 81.4 gsm/ 22 lb. 24 sheets
Speed	Up to 9,000 sets/hour with gutter cutter Up to 4,500 sets/hour (fine 81.4 gsm/ 22 lb. within 20 sheets A5 finished) Up to 3,900 sets/hour (fine 81.4 gsm/ 22 lb. within 20 sheets A4 finished)
Power Consumption	220 - 240 V 60Hz 4.1A 640W
Dimensions (LxWxH)	37" x 32" x 46" 91" x 32" x 47" (including stacker)
Weight	1,040 lbs.

DCR-ST CROSS STACKER

Paper Size (Min./Max.)	Tray L - 8.46" x 12.60" to 13.98" x 17.72" Tray S - 8.27" x 12.80" to 5.83" x 9.84"
Stack Height	Tray L - 3.94" Tray S - 7.87"
Speed	Tray L - 3,000 sets/hour 11" x 17"* Tray S - 4,000 sets/hour 8.5" x 11"*
Other Features	Cross and straight stacking, adjustable set interval
Power Consumption	120V 60Hz 1.0A
Dimensions (LxWxH)	28" x 27" x 25"
Weight	Main unit - 97 lbs. Tray L - 18 lbs. Tray S - 18 lbs.

Note: Requires DCR-BR Bypass Conveyor when using in-line with bookletmaker

ASM-500 SQUARE SPINE

Booklet Size (Min./Max.)	3.14" x 4.72" to 9.8" x 13.77"
Speed	Up to 1,400 sets/hour (single pass)* Up to 1,060 sets/hour (double pass)*
Book Thickness	1 mm to 30 sheets of 80 gsm
Power Consumption	115V 60Hz 5.0A
Dimensions (LxWxH)	28" x 29.5" x 49"

* 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.

0311SL

Duplo

from print to documents

SYSTEM 5000



Fully Automatic Bookletmaking System



The Ultimate Finishing Machine

Experience the Ultimate Finishing Machine.

SYSTEM 5000

Duplo redefined the word automatic with the introduction of the System 5000 Collating and Bookletmaking System, the first finishing machine to deliver cutting edge technology at unprecedented speeds of up to 5,000 booklets and 9,800 collated sets per hour. Incorporating up to six high-speed DC-10/60 Pro suction feed collators in-line with the fully automatic DBM-500/T Bookletmaker and Trimmer, the System 5000 remains the most productive and technologically-advanced collating and bookletmaking solution in the industry. Full-bleed books can also be produced in-line with the DKT-200 Two Knife Trimmer module. Fully loaded with a wide range of first-rate features, the System 5000 will enable any novice to produce books in mere minutes.

Superior Feeding System

Expandable up to 60 bins, the System 5000's high speed DC-10/60 Pro Collators 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.

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 collate and stack only.
- 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.
- Large bin capacity 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/insertor 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's DBM-500 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.

Unparalleled Versatility

Incorporating significant technical upgrades, the fully automatic DBM-500 Bookletmaker is exceptionally user-friendly, versatile, and includes a revolutionary offering that sets itself apart from competitors. A state-of-the-art 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.

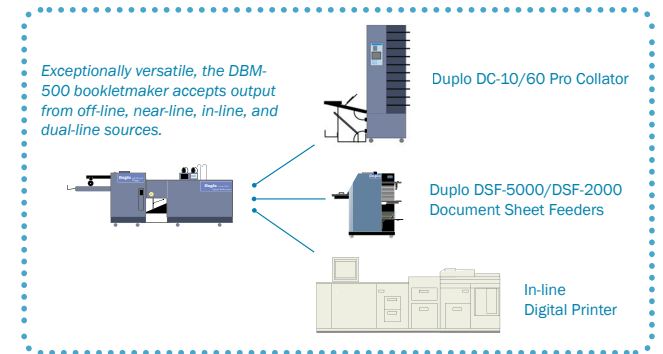
The modular design allows the System 5000 to be configured exactly to the user's needs. For high-quality full-bleed books, the system can be configured with the DKT-200 Two Knife Trimmer. The two blades of the DKT-200 remove the head and foot of completed books, eliminating the need for a separate guillotine cutting station. Production can be further enhanced with the optional gutter cutter module which processes 2-up jobs at up to 9,000 books per hour.

Book quality can be further enhanced by adding an ASM-500 Square Spine module. The ASM-500 takes stitch-fold booklets and transforms them into high-quality, square back books.

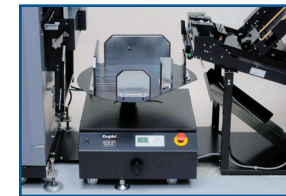
Stacking applications can be done by adding a DCR-ST Cross Stacker or a high capacity DBM-400STR Stacker. Situated between the collator and bookletmaker, the DCR-ST neatly cross or straight stacks output from the collator, while the DBM-400STR can produce straight or offset stacks up to 17" high.

A Sound Investment

Among the multitude of features that set the System 5000 above and beyond its competition, the DBM-500 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.



Square spine and traditional saddle stitch



DCR-ST Cross Stacker

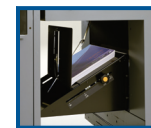


The 2.6" bin capacity conveniently loads 79 to 300 gsm paper stock and paper sizes ranging from 4.72" x 5.52" to 14" x 20".

The DC-10/60 Pro's simple to use touch-screen keypad and color LCD display allow for easy navigation and programming.



Optional gutter cutter for 2-up jobs doubles productivity.

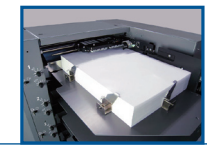


Corner and side-stitched jobs are diverted into a separate catch-tray to speed up production.

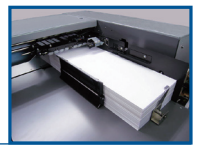


The DBM-500 Bookletmaker's main control panel automatically adjusts all functions of the trimmer.

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

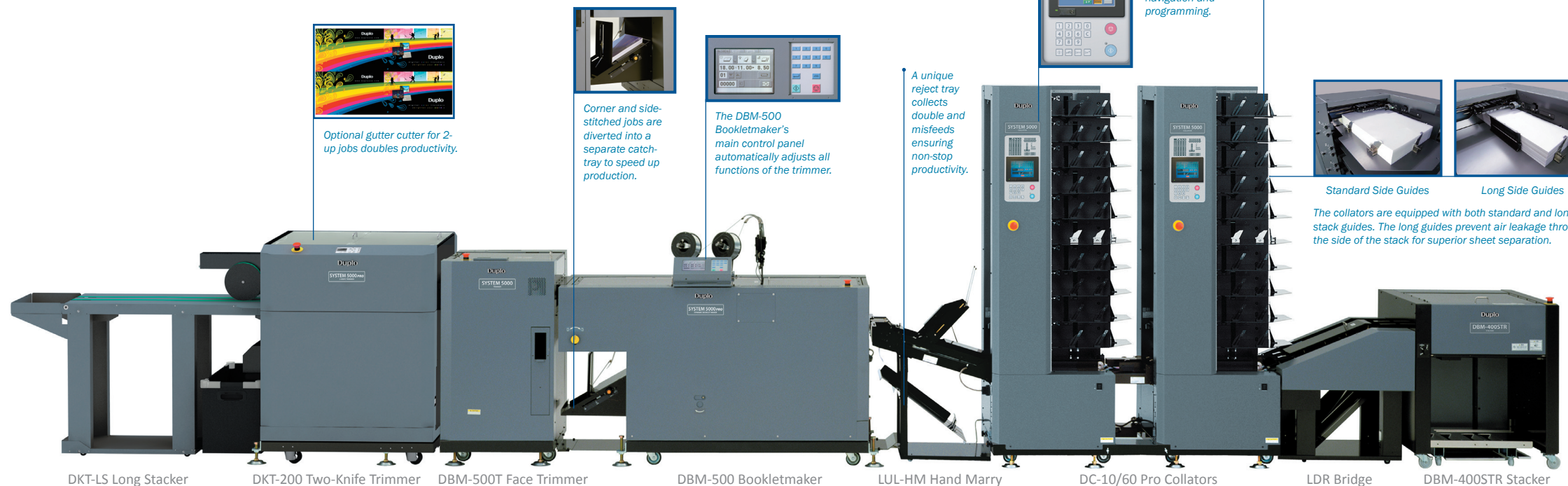


Standard Side Guides



Long Side Guides

The collators are equipped with both standard and long stack guides. The long guides prevent air leakage through the side of the stack for superior sheet separation.



DKT-LS Long Stacker

DKT-200 Two-Knife Trimmer

DBM-500T Face Trimmer

DBM-500 Bookletmaker

LUL-HM Hand Marry

DC-10/60 Pro Collators

LDR Bridge

DBM-400STR Stacker