

## SPECIFICATIONS

### 150 Booklet System

|                                              |                                                                                                                                                         |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Number of Bins                       | 20 (Two DSC-10/60i towers)                                                                                                                              |
| Bin Capacity                                 | 2.55"/65 mm                                                                                                                                             |
| Paper Weight                                 | Fine quality 52 - 157 gsm, cover 52 - 300 gsm<br>Art coated 79 - 157 gsm, cover 79 - 300 gsm                                                            |
| Saddle Stitch Paper Size (W x L)             | 4.72" x 8.27" - 12.60" x 18.11" (120 mm x 210 mm - 320 mm x 460 mm)                                                                                     |
| Corner & Side Staple Paper Size (W x L)      | 7.87" x 7.08" - 12.60" x 9.09" (200 mm x 180 mm - 320 mm x 231 mm)<br>Orientation: Long Edge Feeding                                                    |
| Number of Sheets                             | 2-25 sheets per booklet (0.10"/2.5 mm)                                                                                                                  |
| Number of Staple Heads                       | 2 (Isaberg Rapid)                                                                                                                                       |
| Staple Capacity                              | 5,000 per cartridge                                                                                                                                     |
| Staple Positions                             | Saddle, corner, side, fold only                                                                                                                         |
| Trim Amount                                  | 1 mm to 20 mm/0.04" to 0.79"                                                                                                                            |
| Trim Thickness                               | 2 - 25 sheets folded (max 0.19"/5 mm)                                                                                                                   |
| Finished Booklet Size (Saddle Staple & Fold) | No Trim: 4.14" x 4.72" - 9.06" x 12.6" (105 mm x 210 mm - 231 mm x 320 mm)<br>Trimmed: 3.35" x 4.27" - 8.27" x 12.6" (85 mm x 108 mm - 210 mm x 320 mm) |
| Processing Speed                             | Up to 2,400 sets per hour (10 sheets 80 gsm LTR)                                                                                                        |

### DBM-400STR High Pile Stacker (Optional)

|                           |                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|
| Paper Size (W x L)        | 8.27" x 5.47" - 13.77" x 19.68" (210 mm x 139 mm - 350 mm x 500 mm)                                               |
| Maximum Stacking Capacity | 16.93" (430 mm)                                                                                                   |
| Stacking Modes            | Straight and offset                                                                                               |
| Processing Speed          | Straight stacking: 4,500 sets per hour - up to 9,000 sets per hour<br>Offset stacking : up to 3,600 sets per hour |

### DSS-350 Square Spine (Optional as a Stand Alone Model)

|                                      |                                                                                                                    |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Speed                                | Up to 2,600 booklets per hour                                                                                      |
| Booklet Size                         | Max. 12.60" x 9.05" (320 mm x 230 mm)<br>Min. 4.13" x 3.35" (105 mm x 85 mm)                                       |
| Paper Quality                        | Fine Quality Paper: 64 - 127.9 gsm<br>Art/Coated Paper: 104.7 - 127.9 gsm<br>Cover: Up to 300 gsm                  |
| Booklet Thickness Dimensions (LxWxH) | Within 0.17"/4.2 mm (maximum 1 cover/ 210 gsm + 19 sheets/ 81.4 gsm)<br>25" x 26" x 32" (626 mm x 662 mm x 817 mm) |

| Features      | DSC-10/60i Collator                                                                                                                                                                                                                                 | DBM-150/150T Bookletmaker & Trimmer                     |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Control Panel | LCD color touchscreen                                                                                                                                                                                                                               | Push button with LCD<br>Programmable memory for 16 jobs |
| Detections    | Double and misfeed, paper jam                                                                                                                                                                                                                       | Paper jam, stapler empty                                |
| Other         | Air Management System (AMS), interleaf mode 1 and 2, alternate cover mode, block modes (1/2 & 1/4), left/right ejection direction, hand-marry (LUL-HM), reject function (LUL-HM)                                                                    | Corner/Side Staple Kit, manual feed                     |
| Options       | Second DSC-10/60i tower (requires DSC-10/60D Bridge), DBM-400STR Right Exit Deep Pile Stacker (requires LUR Lift Unit Right), Ultrasonic Sensor Kit for DSC-10/60i (one kit supports two bins, up to 5 kits per tower), DSC-1060ENVLP Envelope Kit. | N/A                                                     |

|                              | Power Requirements            | Dimensions (WxDxH)                                  | Net Weight     |
|------------------------------|-------------------------------|-----------------------------------------------------|----------------|
| DSC-10/60i Collator          | 120V 60Hz 7.9-8.4A 910 - 960W | 34" x 33" x 78" (864 mm x 838 mm x 1981 mm)         | 674 lb/306 kg  |
| DBM-150 Bookletmaker         | 120V - 240V 50/60Hz           | 40" x 22" x 28" (1016 mm x 559 mm x 711 mm)         | 187.2 lb/85 kg |
| DBM-150T Trimmer             | Supplied by DBM-150           | 56" x 22" x 28" (1422 mm x 559 mm x 711 mm)         | 107.9 lb/49 kg |
| DBM-400STR Deep Pile Stacker | 120V 60Hz 2.2A                | 29.53" x 36.02" x 35.04" (750 mm x 915 mm x 890 mm) | 375 lb/170 kg  |

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.

# Duplo

## 150 Booklet System



Precision Bookletmaking for Low to Mid-Volume Runs






## Duplo

The leading provider of innovative precision finishing, print embellishment, and specialty finishing solutions. Contact us today to request samples or to get in touch with a finishing specialist.

### Duplo USA Corporation

3050 S. Daimler St.  
Santa Ana, California 92705  
Toll Free: 1-800-255-1933  
Telephone: 1-949-852-8222  
Email: sales@duplousa.com

### Find Us Online

-  [duplousa.com](http://duplousa.com)
-  [linkedin.com/company/duplo-usa-corporation](https://www.linkedin.com/company/duplo-usa-corporation)
-  [facebook.com/duplousa](https://www.facebook.com/duplousa)
-  [twitter.com/duplousa](https://twitter.com/duplousa)
-  [youtube.com/duplousa](https://www.youtube.com/duplousa)

# 150 Booklet System

The 150 Booklet System is Duplo's entry-level solution, integrating the heavy-duty DSC-10/60i Suction Collator with the compact DBM-150 Bookletmaker. Add professional bookletmaking to your growing list of services and get it done in-house. Ideal for low to mid-volume runs, the 150 Booklet System delivers a variety of offset and digitally printed applications, from manuals and catalogs to corporate reports and collated work, at a maximum speed of 2,400 booklets per hour.

## AUTOMATED SETTINGS AND CHANGEOVERS

Finish your jobs with ease and efficiency. Using the LCD control panel on the DBM-150 Bookletmaker, you can quickly program jobs and make fine-tune adjustments. Simply select or enter a custom paper size and the bookletmaker will automatically set the staple, fold, and trim setting. The distance between the staples can be adjusted with minimal operator intervention.

Use the built-in memory to save up to 16 of your most common jobs and retrieve them as needed. Changeovers from one size to another are performed within minutes and little tooling required.



DBM-150 Control Panel

## THE COLLATOR ADVANTAGE

With the ability to process output from multiple presses and finish booklets at faster speeds than in-line systems, off-line collating provides the flexibility to do more.

The DSC-10/60i incorporates Duplo's signature air suction belt feeder and air management system, making it one of the most reliable collators in the industry. Each of its 10 bins comes equipped with fine adjustments and patented dual fan technology that generates a steady flow of air for separation and feeding. The collator detects which bins are loaded.

High resolution sensors are located in each bin to detect any misfeeds and double feeds. The preset function automatically calibrates the sensors to allow the feeding of different paper types and weights. Any faulty sets are diverted into a reject tray and can be re-inserted into the hand-marry station. When a bin empties, the collator can switch to the next programmed tower for non-stop productivity.

## PRECISION BOOKLETMAKING

Automating the bookletmaking process means less downtime and more productivity. The DBM-150/T integrates the stapler, folder, and face trimmer into a compact system – eliminating the task of setting and folding signatures separately.

As each set is collated and jogged into alignment, the system guides it through the stapling and folding sections. Booklets are trimmed at the fore-edge for a clean finish. Collated sets can also be manually fed directly into the bookletmaker. No additional kits are required and staple cartridges are easy to replace when needed.

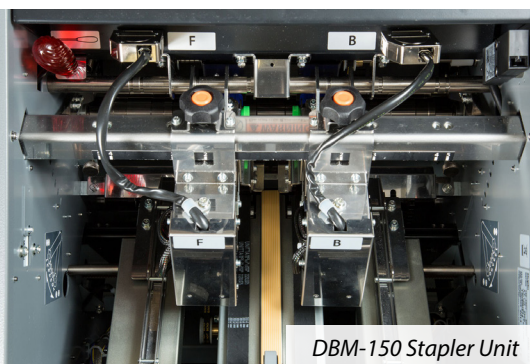
The 150 Booklet System performs saddle and corner/side stapling up to 25 sheets for a variety of booklet applications.



Air Suction Collator



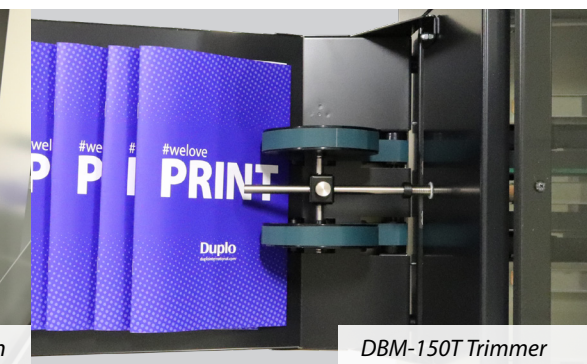
150 Booklet System



DBM-150 Stapler Unit



Hand-Marry Station



DBM-150T Trimmer

## APPLICATIONS



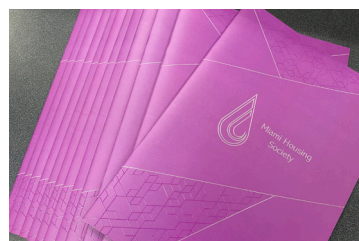
Catalogs and Corporate Reports



CD-Size Collateral



Half Letter-Size Brochures



Booklets with Raised UV Covers

## SQUARE BACK OPTION

It's the finishing touch in professional bookletmaking. Squared back booklets lay flat, keep pages secured, and make packing and shipping more efficient. Create value-added booklets with a perfect bound look using the optional DSS-350 Square Spine module. Simply place it near your system and hand feed your booklets as they are being finished.



DSS-350 Square Spine Module (not configurable in-line with the 150 Booklet System)

## STACKING OPTION

Configure your system with the DBM-400STR Deep Pile Stacker for collating jobs. The DBM-400STR offers a high capacity option for straight and offset stacking. Placed at the right side of the collator, the DBM-400STR can process up to 9,800 sets per hour.



DSC-10/60i Collators with DBM-400STR Deep Pile Stacker

## FEATURES

- Flat sheet collating and bookletmaking solution for small production
- Connect up to two towers for a total of 20 bins
- Produces booklets with saddle or corner/side stapling up to 25 sheets
- Go from a letter-size booklet to a CD-size in minutes
- Modular design allows you to upgrade any module as your business grows