350 Booklet System

SPECIFICATIONS

DSC-10/60i COLLATOR

Number of Bins*	10, 20, 30, 40, 50, 60 (10 bins per tower)*
Paper Size[1]	Width: 4.1" - 14"
	Length: 5.8" - 24" (width of paper must be within 7.88" - 9.05" when paper length is greater than 20")
Paper Weight	Fine quality paper: 52 - 157gsm (Cover: 52 - 300 gsm)
	Art coated paper: 79 - 157gsm (Cover: 79 - 300 gsm)
Bin Capacity	2.6"
Speed	Bookletmaking: Up to 5,000 sets/hour**
	Collating: Up to 10,000 sets per hour**
Controller	Color Touch Screen LCD Panel (DSC-10/60i PC Controller software and IMBF are not compatible with the 350i Booklet System)
Power	120V 60Hz 7.9 - 8.4A 910 - 960W
Dimensions (WxDxH)	34" x 33" x 78"
Weight	674 lbs.
Options	DSC-10/60D Bridge; LUR Lift Unit Right, D-Port Converter (required); DBM-400STR Right Exit Deep Pile Stacker, DCR-ST Left Exit Cross Stacker; DCR-BP Bypass Bridge, DSC1060ENVLP Envelop Kit

* For 350i Booklet System, only 4 towers can be connected.
[1] Max. sheet size is depending upon the specification of the bookletmaker and other connecting devices

DBM-350 BOOKLETMAKER (Requires D-Port Converter)

CORNER/SIDE/TOP STITCHING APPLICATION

Sheet Size (Min./Max.)	10.12" x 7.17" - 11.69" x 8.5"
Paper Capacity	Up to 30 sheets***

SIGNATURE BOOKLETMAKING APPLICATION

Sheet Size (Min./Max.)	5.82" x 8.27" - 12.6" x 18.11"
Paper Capacity	Up to 22 sheets*** (maximum thickness: 2.1 mm/0.08")
Paper Weight	64 - 127.9 gsm fine quality; 104.7 -127.9 gsm coated; cover - up to 300 gsm

GENERAL

Speed	Up to 3,000 sets per hour**
Detections	Wire draw detection
Number of Stitcher Heads	2 Deluxe Stitch Heads standard. Can be upgrade to Hohner 43/6S.
Stitch Positions	Saddle, corner, side, none (fold only)
Programmable Memory Settings	20
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	100 to 240V 3.5 to 1.5 A 50/60 Hz
Dimensions (LxWxH)	72" x 26" x 41"
Weight	464 lbs.
Options	Corner Stitch Kit, Small Booklet Kit, 6 Page Insert Kit
CORNER STITCH KIT	Length: 7.17" - 8.50" (182 mm - 215.9 mm)
	Width: 10.12" - 11.69" (257 mm - 297 mm)
SMALL BOOKLET KIT	Length: 9.45" - 16.93" (240 mm - 430 mm)
	Width: 4.13" - 5.83" (105 mm - 148 mm)
6 PAGE INSERT KIT	Length: Double letter (cover A3)
	Width: Letter (content A4)

DBM-350T TRIMMER (Requires D-Port Converter)

Trimming Mechanism	Upper and lower shearing action
Booklet Size (Min./Max.)	5.82" x 4.13" to 12.6" x 9.06"
Trimmed Booklet Size (Min./Max.)	5.82" x 3.35" to 12.6" x 9.06"
Trim Margin	Up to 0.79"***
Speed	Up to 5,000 sets per hour**
Power Consumption	Supplied by DBM-350
Dimensions (LxWxH)	85" x 26" x 41"
Weight	155 lbs.

DBM-400STR STACKER (Requires D-Port Converter)

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

DSS-350 SQUARE SPINE (Requires D-Port Converter)

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

DCR-ST CROSS STACKER (Requires D-Port Converter)

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-BP Bypass Conveyor when using in-line with bookletmaker

COMMON SYSTEM CONFIGURATIONS (Additional components may be required)

- DSS-350 + DBM-350T + DBM-350 + LCD + DSC-10/60i
- DSS-350 + DBM-350T + DBM-350 + DCR-BP + DCR-ST + LCD + DSC-10/60i
- DSS-350 + DBM-350T + DBM-350 + LCD + DSC-10/60i + LUR + DBM-400STR

(D-Port Convert required for the following machines: DSS350, DBM350T, DBM350, DCR-ST, DBM400STR)
Options: DSS-350, DCR-BP DCR-ST, DBM400STR

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.

** Dependent upon connected devices and number of bins in use
*** Dependent upon paper weight and size

Duplo
from print to documents

350 Booklet System

Mid-Range Production Bookletmaking

Mid-Range Collating & Booletmaking System

The 350 Booklet System is Duplo's mid-range collating and bookletmaking system, integrating the DSC-10/60i Suction Collators with the DBM-350 Bookletmaker. With a production speed of up to 3,000 booklets per hour, the system produces a wide range of offset and digital print applications, from calendar and catalogs to brochures and newsletters, on demand. The 350 Booklet System provides the efficiency to deliver jobs in shorter turnarounds and its modular design offers users the flexibility to customize them according to their needs.

THE COLLATOR ADVANTAGE

With a variety of finishing solutions in the market today, off-line collating continues to maintain significant advantages over in-line systems. Jobs processed on a collating and bookletmaking system are finished at much faster speeds and output from multiple printers can be accepted and finished with equal ease. Should the printer break down, an off-line finishing operation will continue to run without interruption.

FAST AND EASY CHANGEOVERS

The 350 Booklet System is very easy to use. Jobs can be quickly programmed and saved via the LCD Control panel. Up to 20 jobs can be saved and recalled to allow for fast set-up and changeover, with little or no adjustment.

DSC-10/60i SUCTION COLLATORS: SUPERIOR FEEDING SYSTEM

The 350 Booklet System utilizes Duplo's DSC-10/60i Suction Collators. The unique 8-belt air suction feed system along with an Air Management System make these collators the most reliable in the industry. Incorporating Duplo's patented dual fan technology, each bin comes equipped with two individual fans – one to produce a stable flow of air separation and the other to generate consistent suction for feeding. With adjustments conveniently located beside each bin, the Air Management System enables operators to easily fine-tune the amount and strength of air, if necessary.

High resolution optical sensors add an extra level of reliability by ensuring miss or double feed errors are identified. Faulty sets are diverted into a reject tray to allow continuous operation and can easily be recovered by simply correcting and inserting them into the hand marry station.

The 350 Booklet System can be configured with up to 4 towers for a total of 40 bins. The DSC-10/60i Collators offer flexibility for various application needs including Interleaf Mode to insert single or double sheets into the booklet.

As sheets are collated in the DSC-10/60i Collator, sets are delivered into the DBM-350 Bookletmaker for stitching, folding, and trimming. Booklets are smoothly guided through the stitching section by the push belt transport system and only activates when the book is ready to move, thus preventing marks and static build up. The bookletmaker utilizes heavy-duty Deluxe 26D stitch heads for durable, quality stitching and features a programmable spine compressor to flatten the spine for a lay-flat finish.

* Please note: The DSC-10/60i PC Controller software is not compatible with the 350 Booklet System.

DBM-350 BOOKLETMAKER: CUSTOMIZABLE TO MEET YOUR NEEDS

The modular design of the system enables users to configure it with a number of options such as small booklet, side/corner stitch, and 6-page insert kits to meet various application demands. Booklets can be faced trimmed by adding the DBM-350T Trimmer. As booklets are trimmed and delivered onto the stacker, waste is automatically deposited into an external bin and can be easily removed while the system is running, ensuring non-stop productivity.

Deliver booklets with a flatter, square spine finish by adding the DSS-350 Square Spine module and add value to the finished book. With a processing speed of up to 2,600 booklets per hour, the DSS-350 is the fastest of its kind and can be connected in-line with the 350 Booklet System.

COLLATING AND STACKING

Perform collating and stacking jobs with the optional DCR-ST Cross Stacker. Placed between the collator and bookletmaker, the DCR-ST can cross or straight stack up to 7.87". When the stacker is not in use, a bypass bridge redirects the sheets into the bookletmaker for bookletmaking jobs without having to remove any devices.

DCR-ST Cross Stacker

The 2.6" bin capacity supports a variety of paper stocks 52–300 gsm and paper sizes ranging from 4.1" x 5.8" to 14" x 24".

8-belt air suction feed system and Air Management System ensure reliable feeding.

The integrated reject tray automatically diverts and collects sets that have missing or double fed sheets.

Deluxe Stitcher Head

Automated Waste Removal

Produce flatter, square spine finish booklets with the DSS-350 Square Spine Module.

Ideal for high volume stacking jobs, the DBM-400STR Stacker can straight or offset stacks up to 17".

| DSS-350 Square Spine | DBM-350T Face Trimmer | DBM-350 Bookletmaker | LUL-HM Hand Marry | DSC-10/60i Suction Collators | LUR Bridge | DBM-400STR Stacker |