

DBM-350 & DBM-350T

FEATURES

Duplo's fully automatic, mid-range DBM-350 Bookletmaker meets the needs of a busy digital print environment conscious of budget expenditure, but needing to produce a broad range of quality material. Typical production is a wide variety of booklet sizes of A4, A5, A6, A5 landscape and custom sizes of up to 20 sheets.

- Stitching heads provide for a heavier duty cycle and lower running costs compared to staples. Loop form stitches are also possible, allowing the booklet to be filed in a ring binder.
- An integrated spine press creates flatter books for a better finish.
- One fore-edge trim creates a final neat finish to the booklet.

SPECIFICATIONS	
Sheet Size	Min: 148mm x 210mm Max: 320mm x 460mm
Sheet Size with Corner Stitch Option	Min: 182mm x 257mm Max: 215mm x 297mm
Paper Capacity	20 sheets [Cover x 1(300gsm) + 19 sheets (81.4 gsm) equivalent]
Speed	3000 (A5) booklets per hour
Detection	Wire draw detection
Number of Stitcher Heads	2
Stitch Positions	Saddle, Fold only, Corner & Side (optional)
Other Features	Spine press (0-9 presses)
Programmable Memory	20 memory settings
Dimensions	W 1820mm x D 650mm x H 1030mm
Power Requirements	240V- 50/60Hz
Net Weight	230kg
Connecting Devices	Collator: DSC-10/60 Sheet Feeder: DSF-2200
Options	Hohner loop stitching head; Small booklet kit;6 page insert kit; Corner/ side stitch kit DSS-350.

Triming Mechanism	Upper and lower shearing action
Booklet Sizes	Min: 105mm x 148mm Max: 230mm x 320mm
Trimmed Booklet Sizes	Min: 85mm x 148mm Max: 230mm x 320mm
Trim Margin	1mm to 20mm
Speed	3000 (A5) booklets per hour
Other Features	Jam detectors, automatic setting exit rollers, trim scrap box full sensor, spine compression
Dimensions	W 920mm x D 650mm x H 841 mm (inc. Belt Stacker)
Power Consumption	230V - 50Hz - 3.3A
Net Weight	80kg

CONFIGURATION TABLE

	SHEET FEEDERS	COLLATOR TOWERS	BOOKLET MAKER	TRIMMER UNITS	SQUARE SPINE UNIT
	DSF-2200	DSC-10/60i Collator	DBM-350	DBM-350T	DSS-350
DBM-350 Booklet System		Y	Y	Y	Option
DBM-300 Digital Booklet System	Y		Y	Y	Option



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Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions.



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DSF-2200 SHEET FEEDER

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The 350 Digital Booklet System marries the DSF-2200 Sheet Feeder with the DBM-350 Bookletmaker and Trimmer to create a cost-effective mid-range bookletmaking system ideal for a wide range of applications from mono and colour digital presses.

- Equipped with the Duplo AMS+ (Air Management System Plus) consisting of an 8-belt feeding mechanism which enables the feed head to make contact with a large area of the sheet.
- Both bins come with three separate high-power fans, one to provide suction for feeding, another to provide front air to separate the lead edge of the sheets and a final one to provide side air to separate the sides of the sheets allowing air to flow through the entire length of the sheet for optimal paper separation.
- The operator can easily manage and control the amount of suction, air, and separation to accommodate difficult stocks.
- Both bins can be used to feed the cover, contents, or sets with self-covers and can feed a variety of paper types and weights up to 300gsm.

SPECIFICATIONS	
Paper Capacity	Main feed tray: 200mm media stack height Auxiliary feed tray: 65mm media stack height
Paper Size	Max W 356mm x L 508mm Max W 230mm x L 610mm Min W 105mm x L 200mm
Paper Weight	From 60gsm to 300gsm
Features	OMR (Optical Mark Reader) end-of-set mark reader, Ultrasonic double sheet detection, Hand feeding, Active anti-static bar & Trail edge air kit (extra air for long sheet sizes up to 610mm in length)

AMS+ Feeding System	Ability to increase the flow of air and vacuum on each bin Ability to adjust the feed timing
Optional Barcode Reader Kit	Fits two trays 1D & 2D Barcode recognition Codes supported: Code 39, 93, 128, 2 of 5, Datamatrix
Options	Pre-loading tray kit (Pre-loading stack of sheets on trolley)
Power Supply	220V - 240V 50Hz/60Hz 1.1A 260W
Dimensions	D 750mm x W 920mm x H 843.5mm
Net Weight	115kg

DSC-10/60i SUCTION TOWER COLLATOR

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The fully automatic, premium bookletmaking solution for mid-volume commercial printers and in-plants, printing with uncollated sets.

- Each 10-bin tower comes with AMS (Air Management System) as standard.
- Heavy stock, laminated, pre-folded, whether produced from a digital or offset press, can be handled confidently using the Duplo AMS (Air Management System) that allows the operator to fine tune air control for each feed tray
- The DSC-10/60i includes IMBF (Intelligent Multi Bin Feeding) allowing the operator to select each bin individually and feed more than one sheet from one bin.
- Block Mode operation enables the feed trays to be loaded on the run, improving productivity

SPECIFICATIONS	
Bin Capacity	65mm
Paper Size	Max: W 356mm x L 508mm Min: W 105mm x L 148mm Max: W 230mm x L 610mm (max paper size over 508mm in length)
Paper Weight	50gsm - 300gsm from each bin
Max Booklet Processing Speed	Up to 10,000 A5 sets/hr into Jogger or Stacker
Max No of Connectable Towers in Duetto Configuration	Up to 6 x DSC-10/60i Collating Towers
Detection	Miss, Double, Paper Jam and Empty Bin Sensors
Counters	Total, Batch, Set Reject
Controls	PC Controlled Job Programming, save and recall, automated set-up. Microsoft Windows based GUI (Graphical User Interface)

Features	Block mode (1/2, 1/4, 1/3), Programmable Intelligent Multiple Bin Feeding, Possibility to increase bin feeding capacity to 130mm, 195mm or more, Non-stop production, A4 Landscape, Hand Marry Mode & Hand Feeding Mode
AMS+ Feeding System	Ability to increase the flow of air and vacuum on each bin. Ability to adjust the feed timing Twin belt drive on conveyor Ability to adjust the sheet overlap Automatic ejection of faulty sets Stand-by or waiting mode
Power Supply	220V - 240V 50Hz/60Hz 5.3A 980W
Dimensions	D 756mm x W 830mm x H 1972mm
Net Weight	297kg
Options	Ultrasonic Double Sheet Detection

DSS-350 SQUARE SPINE UNIT

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The DSS-350 Square Spine module adds a square spine finish to offset and digitally-printed booklets, providing a flatter look. The DSS-350 is ideal for low to mid-volume runs and is the fastest of its kind. It can be used as a stand-alone unit or can be configured in-line with the DBM-350 Bookletmaker online to DSF-2200, DSC-10/20 and DSC-10/60i to finish a variety of applications including yearbooks, catalogues, calendars, and much more.

- User-friendly control panel offers several programmable settings for ease of use with multiple operators
- Sensors to detect empty bins, doubles and paper jams ensure minimal wastage and enhancement of the run

SPECIFICATIONS	
Dimensions	W 626mm x D 662mm x H 817mm
Net Weight	141kg
Book Delivery	Belt Stacker
Booklet Size	W 105mm to 320mm Spine to fore-edge direction: 85mm to 230mm
Paper Quality	Fine quality paper: 64gsm to 130gsm Art/ coated paper: 100gsm to 130gsm Cover: Fine quality, art paper, coated paper below 300gsm
Paper Type	Saddle Stitch + Folded (Loop stitching not available)
No. of Sheets Applicable to Square Spine Shaping Process	Cover + up to 19 sheets (80gsm)
Thickness Applicable to Square Spine Shaping Process	Max: 4.2mm

Maximum Processing Speed	2200 /hour A4 booklet (≤10 sheets) 2400 /hour A5 booklet (≤10 sheets) 2600 /hour <A5 booklet (≤10 sheets)
Hand Feed	Length spine to fore-edge >148.5mm Also requires DBM-SS2 Short Stacker and DSS-HF Hand Feed Maximum 2200/hr
Detection Functions	Paper jam (Paper infeed unit, conveyance unit, stopper unit, paper ejection inlet, paper ejection unit)
Noise Level	Equivalent continuous A-weighted sound pressure level: 73.8 db Sound pressure level peak: 97.7 db Measured at 1m from control panel, 1.5m from ground
Power Used	240V, 0.8A
Power Consumed	140W