

DBM-150 & DBM-150T

FEATURES

The Duplo DBM-150 bookletmaker is the world’s smallest fully-automatic booklet maker and trimmer, ideal for low to mid-volume users looking to bring booklet-making in-house.

- A compact, integrated system that sets up automatically from job memories to staple, fold and fore-edge trim to create a booklet or flat document.
- Ease-of-use is enhanced by staple heads with the use of easy-change cartridges that can be replaced with a loop-staple version to form ring staples suitable for filing.
- Connecting the collator and booklet maker is a transport unit with reject tray to sort incorrect sets, allowing the operation to continue without interruption, ensuring quality control and no unnecessary stoppages.
- The included hand-feed tray that allows a booklet of up to 25 sheets to be made.

SPECIFICATIONS	
Sheet Length (Saddle Staple)	210mm to 460mm
Sheet Width (Saddle Staple)	120mm to 320mm
Media	60gsm to 130gsm, Cover 300gsm
Staple/Fold Thickness	Max: 2.5mm (25 sheets 80gsm)
Processing Speed	2400 sets/hour
Staple Width	70mm, 108mm, 160mm, 258mm, and 276mm
Staple Capacity	5000 per cartridge
Trim Length	1mm to 20mm
Trim Thickness	2 to 25 sheets folded (max: 5mm)
Corner and Side Staple	Option kit
Sheet Length	180mm to 231mm
Sheet Width	200mm to 320mm

Corner Staple	A4 long edge leading
Number of Sheet	2 to 25 sheets 80gsm A4 2 to 20 sheets 130gsm A4
Maximum Thickness of Document	2.5mm (25 sheets 80gsm)
Processing Speed	2400 sets/hour (10 sheets 80gsm A4)
Small Booklet Kit	Included
Loop Staple Kit	Option

CONFIGURATION TABLE

	SHEET FEEDERS	COLLATOR TOWERS		BOOKLET MAKER	TRIMMER UNITS
	DSF-2200	DSC-10/60i Collator	DFC-102	DBM-150	DBM-150T
DBM-150 Hand Fed Booklet System				Y	Y
DBM-150 Booklet System		Y		Y	Y
DBM-150 Digital Booklet System	Y			Y	Y
DBM-150Fr Booklet System			Y	Y	Y



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DSF-2200 SHEET FEEDER

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The DSF-2200 Sheet Feeder and DBM-150 Bookletmaker system is a high quality, small footprint booklet making solution for digital printers working with pre-collated sets.

- 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 ben 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 high-speed intelligent DSC-10/60 Suction Collator Towers pair with the DBM-150 to provide an easy entry point to booklet making for printers working with collated or 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
	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
AMS+ Feeding System	
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

DFC-102 FRICTION COLLATOR

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The DFC-102 Friction Collator is a bench-top friction-fed collating unit that provides an accessible entry to booklet making with uncollated sets.

- User friendly control panel offers several programmable settings
- Sensors to detect empty bins, doubles and paper jams
- Straight or offset stacking

SPECIFICATIONS	
Paper Feeding Method	3-ring friction feed
Conveyance System	Roller belt
No. of Bins	10
Paper Receiving Method	Straight, Offset*1, Option (using a downstream unit)
Paper feed bin capacity	28mm equivalent to Fine quality paper: 64gsm, 350 sheets
Paper Receiving Table Capacity	Max: 80mm (The height of the full detection sensor is 65mm)
	Width: 160mm to 320mm Length: 140mm to 450mm
Paper Size	When using the 100mm Kit (option), Width: 100mm to 160mm, Length: 140 mmto 297mm
	When using the 148mm Kit (option), Width: 148mm to 160mm Length: 210mm to 297mm
Paper Quality	Medium quality paper, Fine quality paper, Fine quality paper for screen printing, Rough paper (52.3gsm to 157gsm)
Paper Type	Sheet
	A4 long edge straight stack: 130 sets/ minute (Paper: Fine quality paper 81.4gsm)
Maximum Processing Speed	A4 short edge straight stack: 75 sets/ minute (Paper: Fine quality paper 81.4gsm)
	A4 short edge offset stack: 70 sets/ minute (Paper: Fine quality paper 81.4gsm)

Paper Feed Error Detection	Mis-feed, double-feed, paper jam
Other Detections	No paper detection, conveyance cover open/close detection, paper receiving table full, downstream unit error detection
Counter	4 digits in the add count method or subtract count method
Additional Functions	Paper ejection, interleave insertion, block mode feeding, paper overlap (3 levels), offset/straight stacking, counting mode
	Equivalent continuous A-weighted sound pressure level (*2 LAeq): 65dB
Airborne Noise	Sound pressure level at peak (LpC): 90dB
	When measured at 1.5m above the floor and 1m away from the control panel
	Noise test EN 13023 J.3.2.1 – Grade 3
Power Supply	AC100-240V 50/60Hz
Power Consumption	1.3-0.6A 130W
Dimensions	W 820mm x D 618mm x H 1000mm
Net Weight	65kg
Options	Delivery Unit, 100mm Kit, 148mm Kit, Cabinet

*1 For offset, B5 size (182 x 257 mm) to A3 size (297 x 420 mm) paper can be used.
*2 LAeq is the value added consideration of the variation with time to the A-weighted sound pressure level LpA.