



system 2000

mid-volume bookletmaking systems



- modular collating and bookletmaking systems
- superior feeding system
- automatic set up
- maximum productivity

Duplo DBM-120T

Duplo DBM-120
DYNAMIC BOOKLET MAKER



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feeding

Each of the 8/10 bins has a unique A.S.M. (Air Management System). Individual air controls on each bin ensure that paper stocks from 50-300gsm can be fed with little or no adjustment. A 60mm bin capacity allows for less loading and more production.



hand marrying

When sets of more pages are required than there are bins available, then pre-collated sets or single sheets are presented into the tray and merged automatically with the inside pages.



DBM-400STR/L

400STR stacker – a high speed stacker for processing collated sets with a straight or off-set stacking function prior to further finishing, such as padding; perfect binding, wire binding etc.



DC-12JR jogger

The DC-12JR jogger is generally used for the straight collating of wire /comb documents or NCR papers. Each set being perfectly aligned for gluing or punching. Operation speeds of up to 10,000sph (A4) can be achieved.

The System 2000 comprises the DC-8/32 or DC-10/60 suction-fed collators, the DBM-120/120T dynamic bookletmaker and trimmer and the DC-12JR jogger

DC-8/32 & DC-10/60 suction-fed collators

superior feeding system

These high-productivity 8 and 10 station collators, deliver superior performance while maintaining complete accuracy.

Each bin has two individual fans to deliver the correct amount of air/vacuum to suit different stocks. Adjustable air flow can also be individually controlled on each bin. A large 210cm² feeding head ensures consistent feeding of stocks from 50-300gsm, with little or no adjustments required.

Fast and accurate double sheet and misfeed detection ensures only correct sets are delivered onto the conveyor.

non-stop high productivity

The special block mode function allows for continuous, on-the-run reloading while other bins in the tower are feeding.

Downtime is dramatically reduced as doubles and misfeeds are diverted into the reject tray without interrupting production.

A 60mm bin capacity means more print can be loaded into each bin, increasing machine running time between loading

The towers can be connected to create up to 32 or 60 bin feeding systems.

touch screen control

A user friendly touch screen panel, controls all the main features, and displays at all times, the progress of each job, both in terms of speed and batch/total counting. Simple error messages inform the operator of a miss, or double fed sheet. These are recorded to give a true total count of each job.



When it comes to affordable high speed collating and ease of operation, nothing compares to the Duplo System 2000. This dynamic vacuum-fed collating and bookletmaking system offers small and medium printing operations a complete finishing solution designed to maximise productivity throughout the crucial finishing process. Produce saddle-stapled booklets, side or corner stapled documents, or simply folded sections.

DBM-120/120T dynamic bookletmaker and trimmer

The DBM-120 is an automatic push button bookletmaker with a self-setting size mechanism. Simply make the selection on the control panel and the DBM-120 will do the rest. 10 applications are pre-programmed and a further 3 memory settings are available for custom sizes. Operating speeds are up to 2,400 A5 books/hr.

A fully automatic detection system eliminates wastage by ensuring incomplete sets are simply diverted into the reject tray. Faulty sets can then be simply corrected and fed into the DBM-120.

The DBM-120T fore-edge trimmer provides the finishing touch for a professional look, by ensuring each booklet is trimmed to the exact size.

The DC-12JR jogger adds an extra dimension to the System 2000, enabling the jogging of backward numbered collated NCR sets prior to padding.

options:- scaleable solutions

If production and application requirements grow, the System 2000 can be easily upgraded to a System 5000. The suction-fed towers can be retained and the DBM-120/120T staple/fold/trim system replaced with the DBM-500/500T stitch/fold/trim.

For near-line finishing solutions required when processing pre-collated output from digital printers, Duplo offer intelligent sheet feeding with their DSF-2000, which can be connected with a set by set version of the DBM-120/120T or the DBM-500/500T.

Interconnectivity is a key benefit of the Duplo collating and bookletmaking systems, allowing users to upgrade easily at any time as business needs grow.



corner stitch



side staple



collate



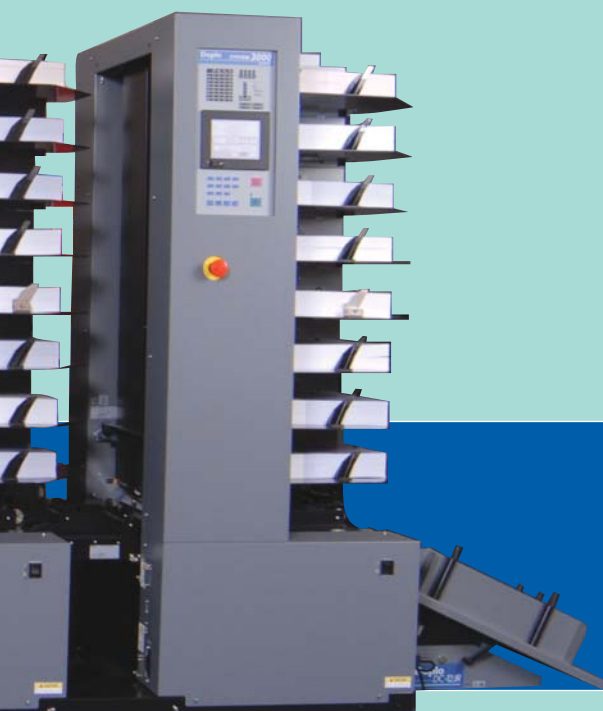
stitch



fold



trim



toggle dial

A simple toggle dial screen allows the operator to input up to 13 separate programs that are stored for future use.



staple head

Heavy duty staple head with a 5000 staple capacity producing a flat staple finish. Out of staple sensors stop the machine when the cartridge is empty, ensuring only completed books are produced.



corner/side stapling

For corner/side staple, each set is automatically diverted to the built in receiving tray.



hand feed

Sets are simply inserted when using either as an Off line or On line configuration.

flexible finishing for offset and digital print

Specifications

	DC-8/32 Collator	DC-10/60 Collator
Stations	8, 16, 24, 32	10, 20, 30, 40, 50, 60
Feed System	Vacuum belt with air-blast for sheet separation	Vacuum belt with air-blast for sheet separation
Paper Transport	Twin roller belt	Twin roller belt
Bin Capacity	60 mm	60mm
Paper Size* (WxL)	Min: 120 mm x 148 mm / Max: 350 mm x 500 mm	Min: 120 mm x 148 mm / Max: 350 mm x 500 mm
Max Speed Into Stacker*	Up to 10,000 sets / hour	Up to 10,000 sets / hour
Paper Weight*	40 – 300 gsm	40 – 300 gsm
Features & Programmes	Auto calibration, left or right hand exit selection, automatic bin selection, block mode, interleaving sheet insertion, reject tray (right & left), dynamic hand-marrying unit	Auto calibration, left or right hand exit selection, automatic bin selection, block mode, interleaving sheet insertion, reject tray (right & left), dynamic hand-marrying unit
Counters	Total/batch/ejected sets	Total/batch/ejected sets
Detection	Double feed (with adjustable sensitivity) misfeed, paper jam, paper transport jam, bin empty	Double feed (with adjustable sensitivity) misfeed, paper jam, paper transport jam, bin empty
Optional On-line Accessories	DBM-120 Dynamic Bookletmaker, DBM-120T Trimmer DBM-500 Dynamic Bookletmaker, DBM-500T Trimmer DC-12JR Jogger, DBM-400STR/L Deep Pile Stacker	DBM-120 Dynamic Bookletmaker, DBM-120T Trimmer DBM-500 Dynamic Bookletmaker, DBM-500T Trimmer DC-12JR Jogger, DBM-400STR/L Deep Pile Stacker
Dimensions (WxDxH)	630 mm x 750 mm x 1702 mm	630 mm x 750 mm x 1972 mm
Net Weight	260 kg	320 kg
Power Supply / Consumption	230V 50Hz 4A	230V 50Hz 4.5A

	DBM-120 Dynamic Bookletmaker	DBM-120T Trimmer
Set-Up Time	Automatic size change in 14 seconds	Automatic size change in 14 seconds
Programmes	10 pre-set sizes, 3 custom sizes	-
On-Line / Off-Line	Yes / Yes	Yes / Yes
Max Book Thickness (80 gsm)	80 page book (20 flat sheets)	80 page book (20 flat sheets)
Max Corner Stitch Thickness (80 gsm)	25 flat sheets	-
Staple Positions	Saddle / side / corner / fold only	-
Max Speed	Up to 2,400 A5 books / hr	Up to 2,400 A5 books / hr
Booklet Size (WxL)	Min (untrimmed) 148 x 100 mm** Max (untrimmed) 320 x 225 mm Min: (trimmed) 148 x 80 mm** Max: (trimmed) 320 x 225 mm	Min: (trimmed) 148 x 80 mm** Max (untrimmed) 320 x 225 mm Min: (trimmed) 148 x 80 mm**
Side / Corner Stapling (LxW)	Min 139 x 210 - Max 231 x 320mm	-
Stitch / Staple Type	Staple	-
Detection Systems	Jam, misfeed, staple empty	Waste bin full
Max Trim Cut	-	20 mm
Trim Adjustment	-	0.4 mm increments
Staple Capacity	5000	-
Dimensions (WxDxH)	1300 mm x 700 mm x 550 mm	537 mm x 550 mm x 576 mm
Net Weight	120 kg	83 kg
Power Supply / Consumption	230V 50Hz 3A	230V 50Hz 1.5A

	DC-12JR Jogger	DBM 400STRL
Max Sheet Size	350 x 500 mm	350 x 500 mm
Min Sheet Size	140 x 200 mm	210 x 148 mm
Speed	Up to 10,000 A4 sets / hr	Up to 10,000 A5 sets / hr (straight stacked)
Features		Automatic size change, 12 programmable memory settings, straight or offset stacking, jam and door and stack full sensors
Pile Height	80 mm	430 mm
Dimensions (WxDxH)	470 x 390 x 500 mm	750 x 880 x 890 mm
Weight	52 – 300 gsm	148 kg
Power	240V supplied via collator	Supplied by collator
Maximum Jogger Capacity	80 mm	-

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* Owing to the wide variety of possible configurations, programmes and paper stocks, the above specifications may vary

** With optional small booklet kit

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and reserves the right to amend the above
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