

Specifications

DBM-150, DBM-150T

Booklet size	
Saddle stapling and folding	Length 210 to 450 mm
Side stapling (option)	Length 180 to 231 mm
Loop stapling (option)	Length 210 to 460 mm Width 148 to 320mm
Paper type	Fine quality: 64 to 127.9gsm, Art/Coated: 104.7 to 127.9gsm Cover: Fine quality, Art/Coated within 300gsm
Stapling Thickness	Fine Quality: within 2.5mm (Maximum of 25 sheets) Art/Coated: within 2.0mm (Maximum of 20 sheets)
Max processing speed	2400 sets/hour
Stapler	ISABERG RAPID R952
Stapling width	70, 108, 160, 258, and 276mm
Trimming waste width	1 to 20 mm
Number of sheets that can be trimmed	4 to 50 sheets
Staple capacity	5,000 staples per cartridge
Operation panel	LCD control panel (DBM-150)
Noise emission	Equivalent continuous A- Weighted sound pressure level: 75.2 Sound Pressure level: 92.5
Power supply	120 to 240 V 50/60 Hz
Current consumption	DBM-150: 130W 1.2-0.7A DBM-150 + DBM-150T: 230W 2.2-1.1A
Net weight	137Kg

DSC-10/20 Suction Collator

Number of Bins	10, 20
Bin Capacity	35 mm
Detection	Double-feed, Miss feed, Paper jam, Bin empty
Speed	Collating - up to 7,200 sets per hour*1
Feed System	Vacuum belt with air sheet separation
Other Features	Colour touch screen control panel; Block mode; Waiting mode; Interleaving sheet insertion; Hand-marry unit
Dimensions (LxWxH)	745(W) x 780(D) x 1708(H) mm
Power Consumption	230V 50Hz 4.5A
Net Weight	293 kg

Corner and Side Staple Kit

Paper Size	200x180 - 320x231mm
Number of sheets	Fine quality 2 - 25 sheets (81.4gsm, A4SEF or LTR) Art, Coated 2 - 20 sheets (127.9gsm, A4SEF or LTR) *2
Maximum thickness of booklet	Fine quality 2.5mm *3 Art, Coated 2.0mm *3
Processing speed	2,400set/h (A4 or LTR, 81.4gsm, 10 sheets)

*1 Dependent upon connected devices and number of bins in used.

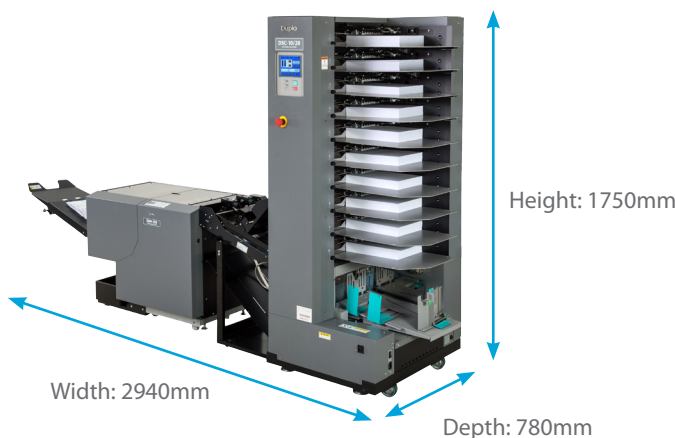
*2 Restrictions of number of stitches by paper weight and number of sheets.

*3 Restrictions by paper weight. The maximum number of sheets must not be exceeded. With optional small booklet kit.

Loop Staple Kit *1

Paper Size	148 x 210 - 320 x 460 mm
Number of sheets	Fine quality 2 - 12 sheets (81.49gsm) Art, Coated 8 sheets (104.7gsm)
Maximum thickness of booklet	Fine quality 2.0mm Art, Coated 2.0mm
Processing speed	2,400 set/h (A4 or LTC)

*1 The Loop Staple Kit is not compatible with the Corner and Side Staple Kit.



Duplo International Limited

Automated Precision House
Hamm Moor Lane
Addlestone
Surrey KT15 2SD

Tel +44(0) 1932 263 900 - Fax +44(0) 1932 263 901
info@duplointernational.com
www.duplointernational.com

Duplo is a trade mark of the Duplo Corporation.
Duplo has a policy of continuous improvement and reserves the right to amend the above specification without prior notice.
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.



Ref: 150C/11/14

Duplo[®]
from print to documents

150C BOOKLET SYSTEM

UNIQUELY COMPACT AND HIGHLY PRODUCTIVE

Fully automated bookletmaking system
Quick and simple set-up
Speed up to 2400 books per hour
Bi-directional running
Modular

Menus, Brochures, Catalogues, Newsletters, Corporate Reports,
Hymn Books, Order of Service, CD Booklets, collated work for binders
i.e.: wire; coil; ring binding, Loop stitched brochures for ring binders, NCR set collating, Loop Stapled Booklets.



Duplo's 150C Booklet System is a uniquely compact and highly productive system. It is the perfect solution for fully automatic collating and booklet making. The 150C Booklet System can incorporate up to 2 DSC-10/20 towers in-line with the 150 bookletmaker and trimmer. This system is extremely user-friendly and is ideal for processing low to mid volume jobs effectively and efficiently. It is designed to meet the challenges of today's offset and digital printer.



Compact footprint
The 150C Booklet System is 13% smaller than its predecessor the 120C Suction Booklet System. Moreover, the DSC-10/20 collator is Duplo's heavy duty yet compact suction collator. The small footprint of the 150C Booklet System makes it easy to install in places with limited space. The 150C Booklet System is an ideal companion for low to mid volume users such as Quick printers, Copy shops, In-plants, Digital printers and Commercial printers. Despite its small size, this system can finish a wide range of applications.

Superior Feeding
The DSC-10/20 collator has a dual fan technology with 2 independently adjustable fans in each bin. The first fan provides even air separation through 3 nozzles located at the front of the stack, while the second fan generates a vacuum for the belt suction feeder. The Air Management System enables the operator to easily fine tune the amount of air desired for each independent bin. The DSC-10/20 dual fan technology provides resilience in the unlikely event of a fan malfunctioning. If a fan does fail, the other 9 bins remain completely unaffected, allowing the user to continue working.

Double Feed Detection
The DSC-10/20 is equipped with high resolution optical sensors that ensure a miss or a double feed error is identified. The software utilises light emitting sensors to accurately detect when two or more sheets are being fed. The faulty sets are automatically diverted to the reject tray enabling continuous operation. Faulty sets once corrected can be simply reused or can be inserted by hand.



Media
The 150C Booklet System can finish a wide range of applications. It can handle sheet sizes from 139mm x 210mm to 320mm x 450mm and paper weights from 64gsm to 300gsm.

User-friendly
The DSC-10/20 collator features a touch screen control panel, whereas the DBM-150 & DBM-150T features a state of the art control panel which is very simple and easy to use. The operator can set up a job in four simple steps. Overall the 150C Booklet System is an extremely user-friendly bookletmaker which requires very little training.

Automatic set-up
The booklet size on the 150C Booklet System can be changed without any tools and takes only a few seconds. Simply select the required size and the guides and trimming position adjust automatically. If required, the operator can adjust the stapling position manually.

Finishing modes
The 150C Booklet System can finish side stapling, corner stapling, fold saddle stapling and loop stapling applications. It is also possible to produce fold only applications.

Bi-directional Running
The DSC-10/20 collator can run to the right into the bookletmaker or to the left into the stacker. For NCR or a perfect binding job the user has a choice of two either the DCR-ST Criss cross stacker, which is suitable for high volume stacking job, or the DSC-10/20 stacker which can be integrated into the collator for straight or offset stacking.

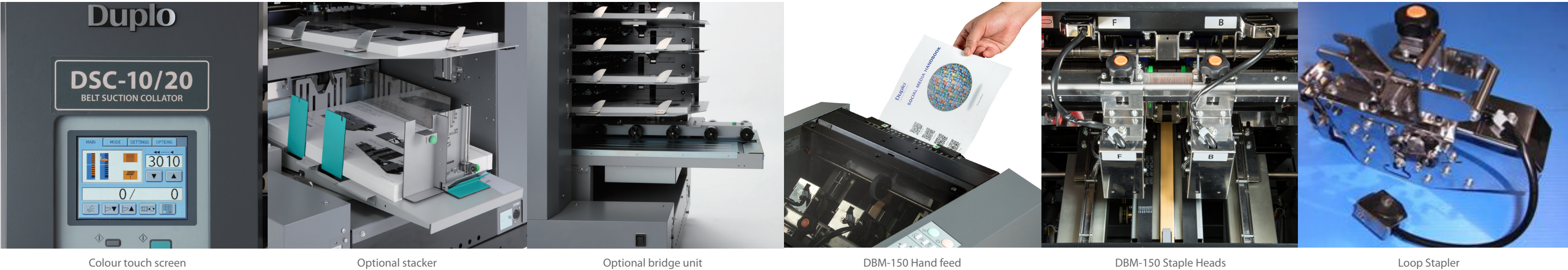
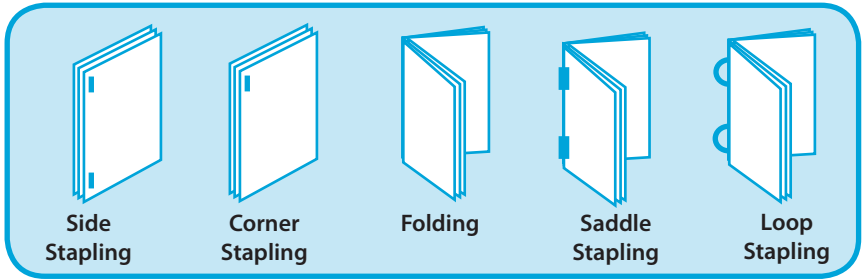
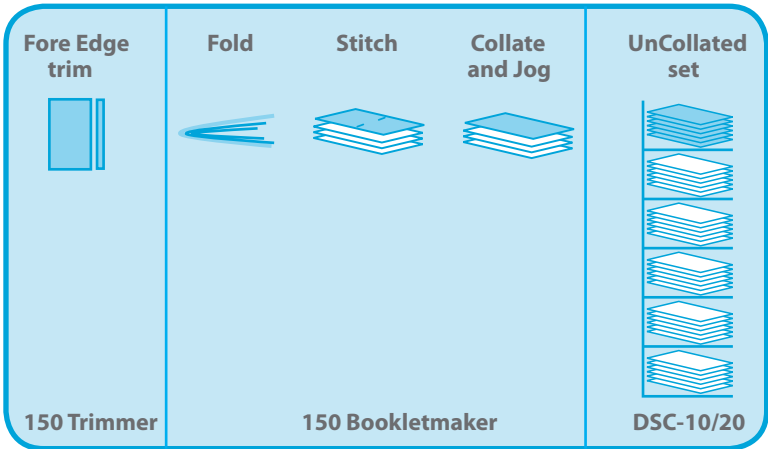
Speed
The 150C Booklet System can produce up to 2400 books per hour. The DSC-10/20 can also collate up to 7200 sets per hour.

Trimmer
The DBM-150 T is fully automatic and is programmed from the DBM-150. The operator can adjust the trimming position from 1 to 20mm.

Modularity
This highly modular system can be customised according to the end users needs, allowing them to configure and expand as their demands change. The 150 Bookletmaker and Trimmer can be configured to the DSC-10/20, DSF-2200 and DFC-100.



Booklet Making Process



Colour touch screen Optional stacker Optional bridge unit DBM-150 Hand feed DBM-150 Staple Heads Loop Stapler