

150Fr BOOKLET SYSTEM

THE WORLD'S SMALLEST FULLY AUTOMATIC BOOKLETMAKER

Fully automated bookletmaking system
Offset and straight stacking
Speed up to 2400 books per hour
Bi-directional run
Modular

*Menus, Catalogues, Brochures, Magazines, Newsletters, Course Work, Hymn Book
Order of Service, CD Booklets, Medical Journals, Collated work for binders
i.e.:- Perfect; wire; coil; ring binding, Loop-stitched brochures for ring-binders, NCR set collating*



The 150Fr Booklet System is the world's smallest fully automatic bookletmaking solution. It features the DFC-120 collator and the DBM-150 Bookletmaker and Trimmer. This is Duplo's most cost effective solution.



Media

The 150Fr Booklet System can finish a wide range of applications. It can handle sheet sizes from 148mm x 210mm to 320mm x 450mm and paper weights from 64gsm to 128gsm.

The DFC-120 is a vertically arranged collator available in a 12 station configuration with an output speed of up to 4,200 sets/hour. It can be used as a stand-alone unit or connected to a bookletmaker. The DBM-150 is Duplo's entry level bookletmaker designed for low to mid volume production. The 150Fr Booklet System is the most user-friendly system available in the market today.

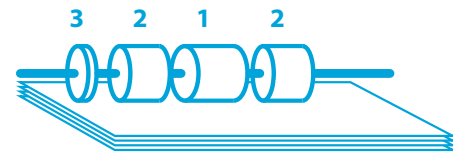
Reliable paper handling

The 3 friction feed wheels ensure maximum contact with the paper for flawless and consistent delivery. It can feed bond, NCR, light card, folded sheets and even certain coated stocks. The separator pressure and tray pressure on each bin can be individually controlled.



Compact footprint

The 150 Bookletmaker and Trimmer is 13% smaller than its predecessor the 120 system. The small footprint of this booklet system makes it easy to install in places with limited space. The 150Fr Booklet System is an ideal companion for low to mid volume users such as Quick printers, Copy shops and In-plants such as Schools, Universities, Churches to name a few. Despite its small size, this system can finish a wide range of applications.



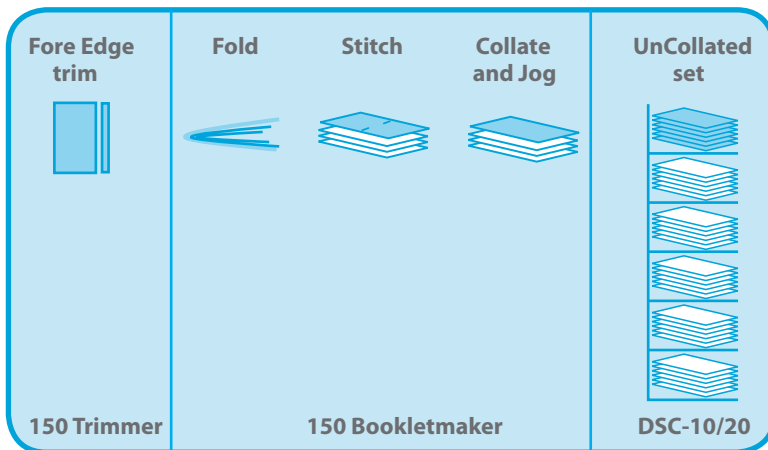
- 1 New Durable Roller
- 2 Supplementary Rollers
- 3 Plastic Roller



User-friendly

The 150 bookletmaker and trimmer 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.

Booklet Making Process



DFC-120 Stacker



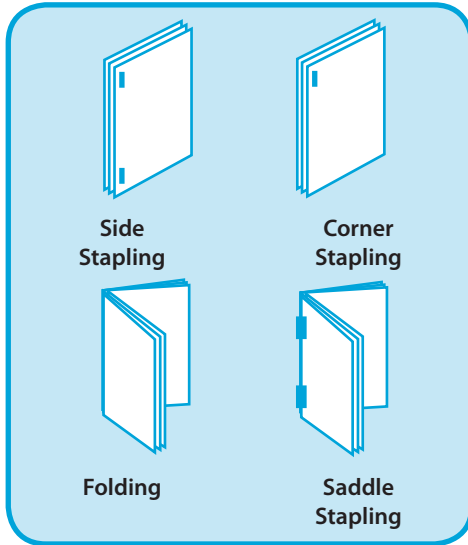
DFC-120 Feeder

Automatic set-up

The booklet size on the 150Fr 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 150Fr Booklet System can finish side stapling, corner stapling and fold saddle stapling applications. It is also possible to produce fold only applications.



Straight or Offset Collating

The collating tray on the DFC-120 collator has a 78mm stacking capacity and can be run in offset mode or straight collate mode depending on the requirements of the job. The machine automatically stops when the catch tray is full so the machine can be left to run without continuous supervision.

Straight



Offset



Block Mode

The Block Mode programme enables the DFC-120 to be split in half allowing the operator to load bins whilst another job is running, even with different paper sizes. This increases productivity & efficiency as down time is dramatically reduced.

Trimmer

The 150 trimmer is fully automatic and is programmed from the 150 bookletmaker. The operator can adjust the trimming position from 1 to 20mm.



Hand-feeding

The 150 Bookletmaker and Trimmer can be used as a stand-alone system. The operator can manually feed sets through the hand feeder, which is ideal for very short run or pre-collated jobs.

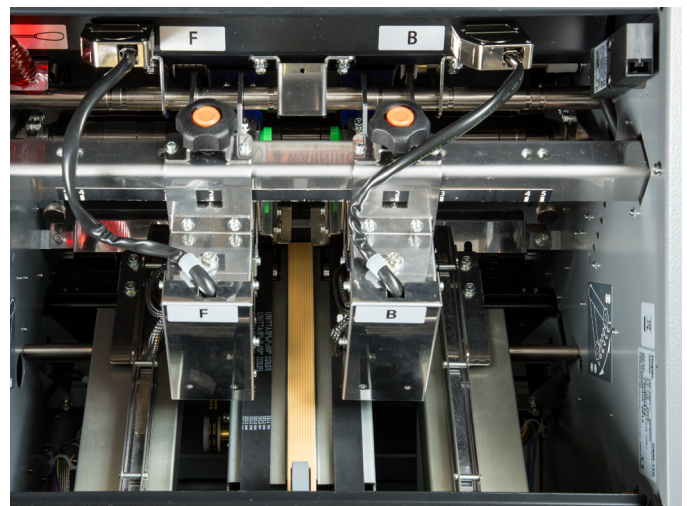


Modularity

This modular system can be customised according to the end users needs, allowing them to configure and expand as their demands change.



DBM-150 Hand feed



DBM-150 Staple Heads

Specifications

DBM-150, DBM-150T

Booklet size	Saddle stapling and folding	Length 210 to 450 mm Width 148 to 320 mm
	Side stapling (option)	Length 210 to 231 mm
Paper type	Fine quality: 64 to 127.9gsm Art/Coated: 104.7 to 127.9gsm	
Stapling Thickness	Fine Quality: within 2.5mm (Maximum of 25 sheets regardless of paper weight) Art/Coated: within 2.0mm (Maximum of 20 sheets regardless of paper weight)	
Max processing speed	2400 sets/hour (fine quality 81.4 gsm / within 10 sheets saddle staple/fold A sheets saddle staple/fold A5 finished)	
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	
Detecting function	Paper jam (in-feed section, stopper section, ejecting section), Staple near empty, Corner and Side Staple Kit detection, Cover open/close, Knife stop position error, Motor overload detection, Folding roller gap	
Operation panel	LCD control panel (DBM-150)	
Noise emission	Equivalent continuous A-weighted sound pressure level: 75.2 Sound pressure level: 92.5 (measured at 1 m away from the control panel, 1.5 m from the floor)	
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	

DFC-120

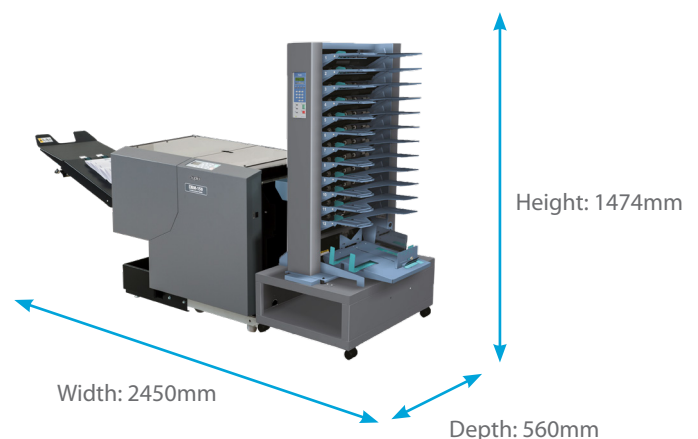
Feeding stations	12 bins
Feeder capacity	28mm (330 sheets of 64gsm)
Paper receiving table capacity	78mm
Minimum paper size	160mm (Width) x 140mm (Length)
Maximum paper size	320mm (Width) x 450mm (Length)
Paper delivery direction	Right side: Stacker Left side: Finishing equipment (Bookletmaker)
Paper quality	Fine - medium quality paper
Paper weight	52-128 gsm
Max process speed	70 sets per minute A4SEF (Straight stacking) 65 sets per minute A4SEF (Offset stacking)
Belt speed	Feeding belt speed: 836mm/sec Transport belt speed: 835mm/sec Eject speed: 854mm/sec
Additional function	Offset/Straight stacking, Interleave insertion, Block Mode feeding, Paper ejection, Tandem configuration
Options	Cabinet/Base

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) *1
Maximum thickness of booklet	Fine quality 2.5mm *2 Art, Coated 2.0mm *2
Processing speed	2,400set/h (A4 or LTR, 81.4gsm, 10 sheets)

*1 There are restrictions for quantity of stitch when using cartridge by paper with regards to weight and number of sheet.

*2 There are restrictions by paper weight. The maximum number of sheets must not be exceeded.



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