Specifications

DBM-150, DBM-150T

Booklet size	Saddle stapling and folding	Length 210 to 460 mm Standard size: A5SEF, A4 SEF, A4 LEF, A3 SEF, A3SR SEF, B5 SEF, B4 SEF, LGR SEF, LGL SEF, LTR SEF, LTR LEF,
	Side stapling (option)	Length 180 to 231 mm
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
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 1m away from the control panel, 1.5m 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

DSF-2200 Sheet Feeder

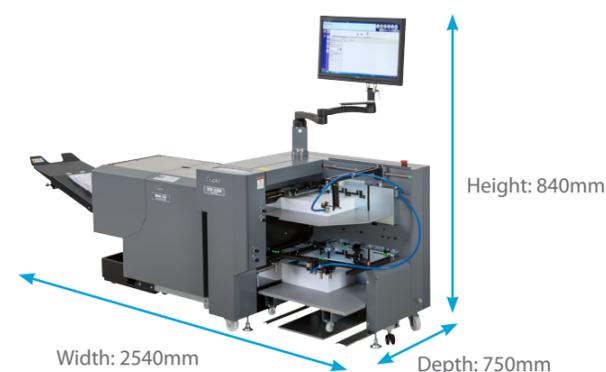| Feeding System	Belt suction, top feed, air separation from fan and pumps
User features	OMR end of set mark reader, Ultrasonic double sheet detection, Hand feeding, Active anti-static bar
Paper capacity	Main feed tray 200 mm media stack height
Net weight	115kg

Options for DSF-2200

Microsoft Windows-based graphical user interface	Job programming, save and recall, automated set-up. (Mandatory requirement when barcode reader kit is fitted)
Bar code reader kit	Fits two trays. 1D & 2D codes supported 39, 93, 128, 2of5, Datamatrix
Trail Edge Air Kit	
Preloading Tray Kit	

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.

Height: 840mm
Width: 2540mm
Depth: 750mm

Ref: 150DIGIBOOKLETSYS/11/13

Duplo®
from print to documents

150
DIGITAL BOOKLET SYSTEM

UNIQUELY COMPACT AND HIGHLY PRODUCTIVE

Fully automated bookletmaking system
Speed up to 2400 books per hour
Offers complete integrity and security
Ability to take printed output from multiple sources

Financial and Investment Reports, Benefit Statements, Pension Statements, Corporate Reports, Personalised University Prospectus, Menus, Catalogues, Brochures, Coupon booklets, Yearbooks, Magazines, Newsletters, Small Information Booklets, CD Booklets, Order of Service

Duplo's 150 Digital Booklet System is the combination of the world's smallest fully automatic bookletmaker, the DBM-150 with the new generation DSF-2200 sheet feeder. It is an ideal near-line solution for low to mid volume digitally printed sheets. This System is configured to meet the ever changing demands of today's digital printer and is designed to take printed output from multiple sources. Duplo has bundled the features of the big bookletmakers into this uniquely compact system.

Compact footprint

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

Flexibility

The 150 Digital Booklet System allows you to support the printed sheets from multiple printers. Merging together digital and offset sheets, simple brochures or complex personalised documents are also possible–all without compromising print production.

Media

The 150 Digital Booklet System can finish wide range of applications. It can handle sheet sizes from 120mm x 210mm to 320mm x 460mm and paper weights from 64gsm to 300gsm.

Productivity

The 150 Digital Booklet System can finish up to 2400 books per hour without operator intervention or any wastage. Moreover the feed trays on the DSF-2200 can be utilised in five different ways for optimum efficiency. The upper bin provides a loading capacity of 65mm and the lower bin provides a loading capacity of 200mm. Both bins can be used to feed the covers, contents or sets with self covers. They can also feed a variety of paper types and weights up to 300gsm with ease and precision.

Automated Precision

The whole system is managed from a single PC controller. This automatically sets-up jobs within a few seconds and changeover between jobs is without the use of any tools. The operator can create and save jobs with ease for future recall. Each bin in the DSF-2200 is equipped with state of the art Ultrasonic Technology. The Ultrasonic Sensor detects air gaps between two sheets when a double feed occurs regardless of ink colour, paper colour or paper density. This enables the operator to feed different paper weights within the same job.

Superior Feeding System

The DSF-2200 is equipped with an 8 belt feeding mechanism which enables the feed head to make contact with a large area of the sheet. Each bin comes with three separate DC 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.
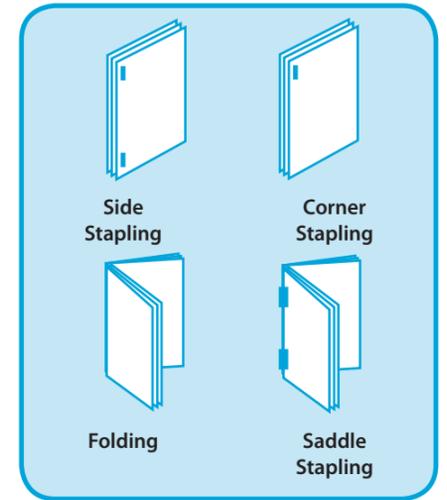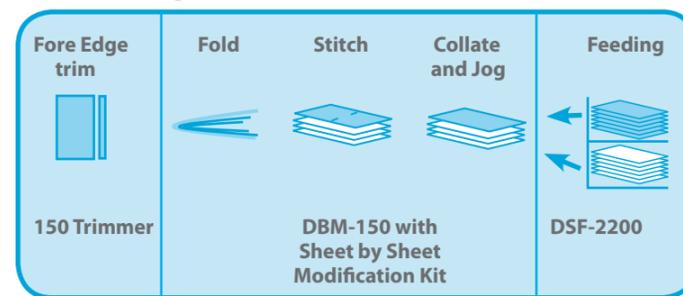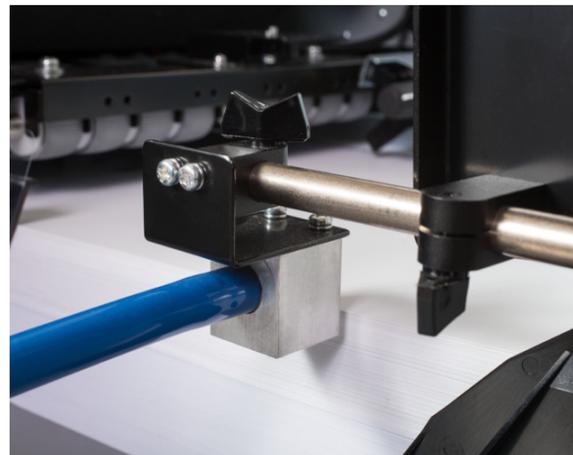
Integrity and Security

The system is equipped with features like Optical Mark Recognition and optional Barcode Kit that can read 1D or 2D barcodes. The kit comprises of two readers for each feed tray. It is designed to check the integrity of each set by reading a printed barcode on each sheet that is processed, ensuring that production is right first time. These features are especially important for personalised and variable production.

Booklet Making Process

Fore Edge trim	Fold	Stitch	Collate and Jog	Feeding
150 Trimmer	DBM-150 with Sheet by Sheet Modification Kit			DSF-2200

Finishing modes

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

Side Stapling   Corner Stapling

Folding   Saddle Stapling

Trimmer

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

Hand-feeding

The 150 Digital Booklet System is also equipped with the hand feed unit as a standard.

Modularity

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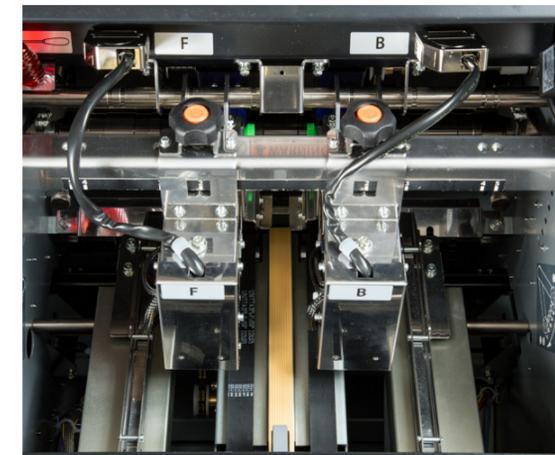
PC Controller

Optional Trail Edge Air Kit

DSF-2200 Feeding System

DBM-150 Hand feed

DBM-150 Staple Heads