

Duplo

from print to documents

DFS-3500

Full-Bleed Bookletmaking System



The *I*deal Finishing Solution
for Digital Color Documents



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Affordable Full-Bleed Finishing



DFS-3500

Full-Bleed Bookletmaking System

Duplo's near-line DFS-3500 Bookletmaking System has been designed to completely finish full-bleed booklets in a single pass. Combining the creasing and slitting functions of the DC-446 Creaser with the stitching, folding, and trimming capabilities of the mid-range DBM-350/T Bookletmaker and Trimmer, the DFS-3500 delivers an affordable all-in-one bookletmaking system ideal for short-run applications.

By automating the finishing process required to create full-bleed booklets, the DFS-3500 eliminates the need for a separate guillotine cutter and creasing machine. Time

consuming set-ups, wasted material, and turnaround times are all reduced.

Complete job set-up is done from the user-friendly DC-446 control panel and up to 30 jobs can be saved for quick and easy recall. The

DFS-3500 Bookletmaking System's ability to slit, crease, stitch, fold, and trim in one pass makes it the perfect solution for producing applications such as calendars, catalogs, yearbooks, newsletters, and more.

SUPERIOR, HIGH CAPACITY FEEDING

With a 4-inch stack capacity and top feeding air suction technology, the DFS-3500 enables users to run a productive bookletmaking operation. The sheets feed from the top of the stack to reduce scratching commonly caused by bottom feeders and the high capacity feeder means the system can



run for a longer period of time without constant reloading. To ensure the accuracy of each booklet, the DFS-3500 uses a double feed detection sensor to stop the machine when it detects two or more sheets have been fed.

IN-LINE CREASING AND SLITTING

Creasing the cover and innermost sheets prior to folding



prevents toner cracking and guarantees crisp, professional folds. The optional slitting module trims the head and foot of each sheet for a full-bleed trim before it accumulates in the bookletmaker. The margins are deposited into a bin located underneath

the bridge unit. By slitting in-line, operators are no longer required to pre-cut the sheets on a separate guillotine cutter, resulting in decreased downtime and increased productivity.

Features & Benefits

- ▶ **Automated** ~ Fast and easy job setup
- ▶ **Job Memory** ~ 30 job memories reduce setup time by storing all fine adjustment data
- ▶ **Integrated Book Spine Compressor** ~ Improves the lay-flat quality of the finished book and allows for compensation of thicker books by increasing the number of presses via the control panel
- ▶ **Multi-function** ~ DC-446 Bridge Unit can be used as a receiving tray for crease-only applications
- ▶ **Full-bleed Finishing** ~ Convert pre-collated sets into fully finished, full-bleed booklets without having to pre-cut the sheets on a separate guillotine cutter
- ▶ **Top Feeding Air Suction System** ~ Air suction system feeds sheets from top of stacker to ensure consistent feeding
- ▶ **Double-feed Detection** ~ Immediately and accurately detects when two or more sheets have been fed

Booklet Workflow



CREASE-ONLY MODE

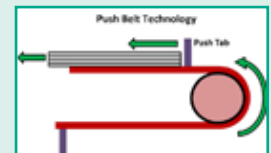
The DFS-3500 can also be used as a dedicated creaser by simply switching the position of the bridge unit. At speeds up to 60 sheets per minute, the DC-446 can crease a range of flat applications including greeting cards, brochures, menus, and more. For added versatility, up to three optional slitting and perforating modules can be added for a maximum of 20 creases and 3 perforations per sheet in a single pass.



VARIABLE DATA PROCESSING

Using the optional End Mark Reader, the DFS-3500 can produce variable data booklets with different sheet counts for one-to-one marketing applications. The End Mark Reader recognizes the mark on the booklet's cover sheet and automatically begins the stitch, fold, and trim cycle allowing booklets of varying page counts to be processed without any manual adjustments.

TRUE MID-LEVEL FINISH



Utilizing a gentle push belt transport system and heavy duty Deluxe 26D stitcher heads, the DFS-3500 enables operators to produce high quality books efficiently and with minimal training. The system comes equipped with an integrated book spine compressor to improve the lay-flat qualities of the finished book. In addition, operators can add small booklet and side/corner stitching kits to meet varying application requirements. The DFS-3500's ability to handle set-by-set and sheet-by-sheet output make the DFS-3500 Bookletmaking System suitable for printers making the transition from offset to digital.

DFS-3500 Bookletmaking System

SPECIFICATIONS

DFS-3500 Bookletmaking Mode		
INPUT PAPER SIZE (LxW)	Saddle stitch and fold or fold only Side and corner stitch	5.82" x 8.27" to 12.6" x 18.11" 7.17" x 10.12" to 8.5" x 11.69"
PAPER TYPE	Coated, uncoated, UV coated 110 - 350 gsm (100 lb. text - 130 lb. cover)	
NUMBER OF SHEETS	1 - 20 sheets (flat set thickness must be under 2.1 mm (0.08"))	
NUMBER OF STITCHES	0, 1, 2 depending on the application Wire diameter #25 to #28	
MARGIN SLITS (HEAD & FOOT)*	Up to 4 mm (0.16") to 55 mm (2.16")	
FACE TRIM LENGTH	Up to 1- 20 mm (0.04" - 0.79")	
FEED TRAY CAPACITY	Up to 100 mm (3.9")	
FINISHED BOOKLET SIZE (LxW)	Saddle stitch and fold or fold only	4.14" x 5.82" to 9.06" x 12.6"
FINISHED BOOKLET SIZE (WITH SMALL BOOKLET KIT)	Saddle stitch and fold or fold only	4.72" x 4.13*** to 8.46" x 5.83"
MAX TRIMMING THICKNESS	Up to 4.3 mm (0.16") Approximately 19 sheets (20 lb. bond) + cover (130 lb. cover)	
PROCESSING SPEED	1,320 booklets/hour LTR size - 2 sheets - single crease on cover - stitch, fold, face trim***	
POWER REQUIREMENTS	DC-446 DBM-350 DBM-350T	115v 1.7A 160W 230v 0.8A 160W (South America) 100 - 240v 3.5 - 1.5A 330W Power supplied by DBM-350
OPTIONS	DCM-Kit; small book kit; corner/side stitch kit; slitting kit; end mark reader (coming soon)	

DFS-3500 Crease-only Mode	
FEED TRAY CAPACITY	Up to 100 mm (3.9")
IN-FEED PAPER SIZE	Width: 140 - 330.5mm (5.5" - 13") Length: 150 - 670 mm (5.9" - 26.4")****
PAPER TYPE	Coated, uncoated, UV coated
SPEED	Up to 60 sheets/minute LTR 1 crease
CREASE ACCURACY	Up to 0.3 mm (0.011")

* Optional slitting kit must be used

** Must have small booklet kit installed on DBM-350 and use the margin slitters to slit the head and foot in the DC-446

*** Varies upon job parameters

**** Optional extended paper trays required to process sheets longer than 25.6"

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.



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DFS-3500 FOOTPRINT

