

Duplo

HOW DUPLO CAN HELP YOU IMPROVE PRODUCTIVITY WITH AUTOMATION

Less Manual Input • Faster Turnarounds • New Revenue Streams

In today's everchanging world, adaptability and flexibility have become two key factors in helping any business survive. This coupled with huge changes taking place within today's modern printers, driven by the demand to finish print quickly and efficiently in a range of different formats and sizes, all require a versatile product to finish your short and long run print finishing jobs. Having an automated product that requires as little human interaction, removes pinch points for staff and increases versatility, frees up your skilled workers to handle more complex and demanding tasks within your business.

Duplo's Automated Bookletmakers offer a flat sheet system designed for shorter job runs and fewer touchpoints (less job costs), minimal waste (less paper costs), and can run without a dedicated skilled operator (less labour costs).

The user-friendly PC-based interface makes it simpler for inexperienced operators to set up a job without requiring any mechanical adjustments. Simply by selecting the paper size, the PC Controller software automatically calculates the stitch, fold, and trim positions. Setup is minimal and it's very easy to go from an A4 size booklet to a CD size within minutes. Duplo offers a complete range of bookletmaking systems from entry level to high production and their modular design means the feeder or bookletmaker can be upgraded at any time without having to replace the entire system. Users also have the ability to configure their system with a number of optional features to specifically suit their needs.

Get the job done with one of our automated and intelligent booklet making systems. Contact us to help you identify the right solution for your needs.

iSADDLE 5.0 SADDLE STITCH SYSTEM

Traditional stitched booklet production on a saddle, with the versatility and agility for short run operation

DSC-10/60i Collator + DBMS Fold, Stitch, and Trim Units + DKTS-200 Two Knife Trimmer with optional Gutter Cut

- Quality scoring and booklet finish in one pass from a wide range of print, with the convenience from flat sheet with a three or five-knife trim to finish
- Easy production of stepped booklets and applications without intensive and costly manual finishing
- Perform custom feed applications with the Intelligent Multi-Bin Feeding (IMBF) feature
- Add ultrasonic sensors to the tower collator to enable trouble free feeding of different paper weights in the same job, ideal for handling variable sheets
- Programme jobs, save to memory, instant recall and automated set-up; all from the MS Windows PC Controller software



600i DUETTO BOOKLET SYSTEM

Versatile solution providing finishing for a print environment with a mix of both offset and digital printing presses

DSF-2200 Sheet Feeder + DSC-10/60i Collator + DBM-600 Bookletmaker + DBM-600T Face Trimmer + DKTS-200 Two Knife Trimmer with optional Gutter Cut

- Huge range of finished booklet sizes, from W90 x L75 mm to wider than A4 landscape
- Perform custom feed applications with the Intelligent Multi-Bin Feeding (IMBF) feature
- Options include envelope kit, ultrasonic sensor kit, and 4-stitch head kit
- Include the DKT-200 Two Knife Trimmer for three-knife trimming and 2-up processing. From flat printed sheet to fully finished booklet in one process
- Upgrade the DSF-2200 Sheet Feeder to the DSF-6000 for longer runs and increased productivity



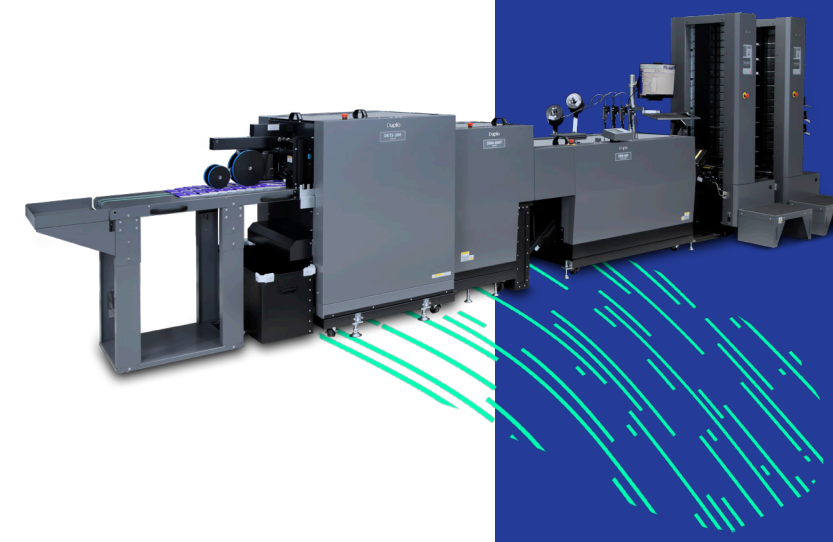
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600i BOOKLET SYSTEM

Intelligent production for commercial print and inplant environments

DSC-10/60i Collator + DBM-600 Bookletmaker + DBM-600T Face Trimmer + DKTS-200 Two Knife Trimmer with optional Gutter Cut

- Run booklets and side stitched books to the left, or collate and stack to the right
- High speed DSC-10/60i towers deliver superior and consistent performance, allowing production by one operator
- Independently controlled suction feeding and high power fans for air separation form the heart of the Duplo AMS Air Management System, allowing precise control of each feed bin
- Perform custom feed applications with the Intelligent Multi-Bin Feeding (IMBF) feature, or increase capacity by linking one or more bins
- Fast, automated (tool-less!) set-up and fine adjustments to 0.1mm accuracy

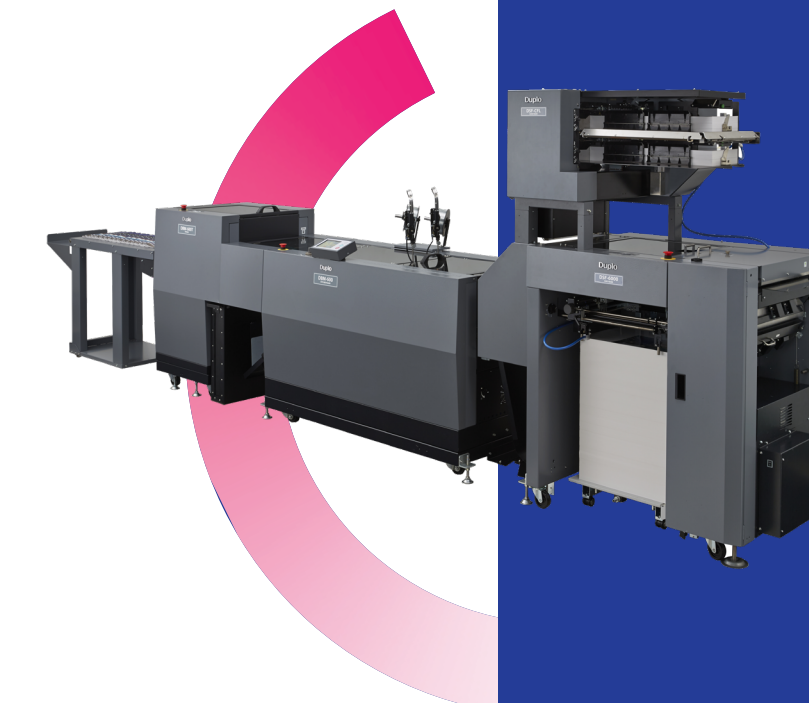


600 PRO DIGITAL BOOKLET SYSTEM

High speed solution for digital print

DSF-6000 Sheet Feeder + DBM-600 Bookletmaker + DBM-600T Face Trimmer

- Bulk feeding from pallet, with additional feeders for covers and inserts
- Ultrasonic sensors, optical mark and barcode readers for handling complex personalised booklets
- Track and monitor documents during operation, then export the report for reprinting and auditing purposes
- Technically advanced Air Management System delivering consistent high speed performance across a wide range of media
- Using Duplo's PC Controller software, the system can be easily managed and controlled by a single operator via the MS Windows PC



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350 DIGITAL BOOKLET SYSTEM

Mid-volume bookletmaker designed for digital print

DSF-2200 Sheet Feeder + DBM-350 Bookletmaker + DBM-150T Trimmer

- Supports multiple digital presses, replacing inline bookletmakers
- Produce small and non-standard sizes, merge covers and inserts
- Uses OMR or barcodes for job control and security to assure production



150 BOOKLET SYSTEM

Entry Level professional booklet making

DSC-10/60 Collator + DBM-150 Bookletmaker + DBM-150T Trimmer

- Modular design allows upgrade to alternative configurations
- Automated set-up and easy operation
- Staple heads with easy-change cartridges
- Reject tray outsorts incorrect sets, allowing production to continue without interruption



ENHANCEMENT OPTIONS

Every system has complementary options to suit and optimise your production. Talk to us to find out what could be relevant for you.

DBM-400STR Deep Pile Stacker

Ideal for high volume stacking jobs, the DBM-400STR can straight or offset stacks up to a 430mm deep pile. It attaches to the right of the collator to allow for a quick changeover from bookletmaking to stacking without having to remove any devices.

DC12-JR Jogger

An economical device at the right side of the collator tower for receiving and jogging sheets.

Barcode kits

Available for tower collator or sheet feeders, barcode scanners can read each sheet, checking and validating every set. Avoids missing, blank or duplicate pages, or sheets that do not belong in that set.

DSF-2200 Sheet Feeder

Economical bulk feeder designed for sequentially printed mono and colour digital print. Features active anti-static devices for improving feeding and finished book quality. Suits fixed and variable pagination, while also allowing covers and inserts to be merged.

DSF-6000 Sheet Feeder

High speed feeder from deep pallet allowing longer run times. PC control and programming, backed up with optical, ultrasonic and barcode reading systems, make this an ideal solution for high-value personalised documents.

DSS-350 Square Spine

The DSS-350 adds a square spine finish to produce flatter offset and digitally printed booklets. It can be configured with the DBM-350 Bookletmaker and allow production up to 2,600 booklets per hour, or used stand-alone for hand feeding. Ideal for low to mid-volume runs.

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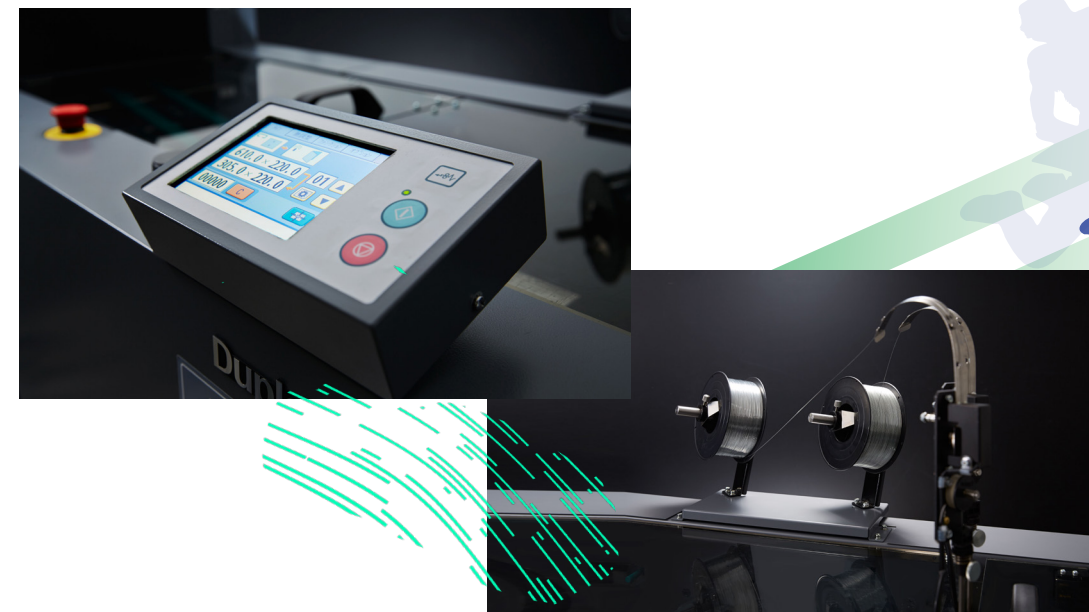
GENERAL SPECIFICATIONS *

COLLATORS & FEEDERS	DSC-10/60i	DSF-2200	DSF-6000
Number of Bins	10 x 65 mm per tower, maximum 6 towers	1 of 200 mm + 65 mm cover feeder	1 of 610 mm + optional 2 bin cover feeder
Paper Size	W105 x L148 to 350 x 610 mm	W105 x L200 to 356 x 610 mm	W120 x L210 to 364 x 525 mm (cover 610)
Paper Weight	Bond : 52-157gsm (cover: 52-300 gsm) Coated : 79-157 gsm (cover: 70-300 gsm)	Bond : 52-300 gsm Coated : 79-300 gsm	Bond : 64-300 gsm Coated : 64-300 gsm
Bin Capacity	66 mm	200 mm & 65 mm for covers	200 mm & 65 mm for covers
Speed	Bookletmaking: up to 5,200 sets per hour Stacking: up to 10,000 sets per hour	Depends on bookletmaker Maximum A4 x 200, A3 x 154 sheets/min.	Depends on bookletmaker Maximum A4 x 600 sheets/min.

BOOKLETMAKERS	DBM-150	DBM-350	DBM-600
Paper Size (Min/Max)	W120 x L210 to 320 x 460 mm	W120 x L210 to 320 x 460 mm	W105 x L70 to 364 x 610 mm
Folding Capacity	25 sheets (2.5 mm thickness)	20 sheets (2 mm thickness)	30 sheets (3 mm thickness)
Stitching Capacity	25 sheets (2.5 mm thickness)	20 sheets (2 mm thickness)	50 sheets (5 mm thickness)
Speed	Max. 2,400 sets per hour	Max. 3,000 sets per hour	5,200 sets per hour
Number of Stitch Heads	2 Isaberg Rapid staple heads	2 Deluxe stitch heads	2 Hohner 43/6S as standard, 4 optimal
Stitch Positions	Saddle, corner, side, fold only	Saddle, corner & side (optional), corner side and fold, fold only	Saddle, corner, side, corner & fold, fold only

SADDLE STITCHER	iSADDLE 5.0
Flat Sheet Size	W120 x L210 to 356 x 610 mm
Folding Capacity	2-10 sheets to a maximum of 30 sheets (3 mm thickness)
Max Stitching Capacity	30 sheets (3 mm thickness)
Speed	Max. 5,200 sets per hour 9,000 booklets/hr (2-up production with DKTS-200 Trimmer)
Number of Stitch Heads	2x Hohner 43/6S. Optional: Up to 4 heads
Min/Max Stitching Head Distance (1-up)	60-306 mm

* Some specifications refer to maximum or minimum when additional kits are included. For further detail, refer to individual system specification sheets



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UNLEASH
PRODUCTIVITY

Bookletmaking Solutions