

Watkiss Document Finishing System

“ A reliable and robust machine. You can happily walk away and leave it running. ”

Sharon Doherty - Rolls Royce



Document Finishing System
(online)

Watkiss Document Finishing System DFS

To reap the rewards of fast and flexible digital printing, you need a finishing system that can keep pace; and which has the flexibility to cope with the specific and varied demands of a digital environment. The Watkiss DFS is the perfect solution: it was the first sheet feeder and bookletmaking system designed specifically for digital print applications. The DFS takes pre-collated sheets directly from the printer and automatically processes them into high quality booklets. If required, additional sheets from other print sources can be inserted; including offset printed covers on glossy or laminated stocks.

Online and Offline Use

The Watkiss Document Finishing System can be connected online to many cut-sheet printers, allowing printing and booklet making in one simple operation - converting digital print into high quality finished booklets. Uniquely, the Online DFS can be easily switched between online or offline operation, giving it the flexibility to finish the output from the entire print room and allow production to be optimised according to run length and pagination. The printer still operates at its normal production speed.

Reliable

Trouble-free paper feed and gentle handling of delicate digital printed stocks is at the heart of the DFS. Sensors throughout the system monitor paper flow at all times. Choose between air-assisted friction feed and the patented SlimVAC rotary suction feeder. Both have air knife separation as standard to ensure precise and reliable feeding of a wide range of paper types.

Flexible

The DFS can feed individual sheets or complete sets. With the option of up to 8 feeders, it can also be used as a standard collator/finisher so you can finish batch printed sets from digital or offset presses too. Since the DFS accepts the output of multiple printers, you can maximize the use of your investment.

Barcode Reader

Where verifiable integrity is needed, the barcode reader provides multi-level security verification by checking every sheet, set and document. It can also control the insertion of covers and multiple additional sheets for customised sets. You can configure the system to interpret the barcode characters as required, and save the configurations in easy recall job memories.

Booklet Making

Choose from two distinct ranges of booklet-making equipment according to your overall workload, run length and required production rate. For most digital print applications we recommend the BookMaster Pro booklet maker and trimmer which are simple to operate and virtually maintenance free. For high volume users, the Automatic Stitch-Fold and Trim, which uses wire reel-fed stitch heads, is recommended.



Modular

Part of the world famous Vario range, the DFS is a modular design. You can specify how many feeders you need; and you can upgrade on demand.



Integrated Control

Control the entire system, sheet feeding, stitching, folding and trimming from the central colour touch-screen.



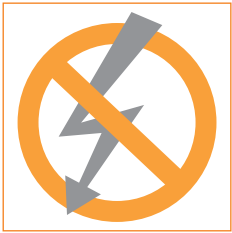
Multiple feeders

By specifying multiple feeders, the DFS can insert multiple sheets and function as a standard collator for batch printed work.



Added Value

Add value to finished booklets by applying a SquareBack finish with the Watkiss SpineMaster - either on or offline.



Anti-static

An active anti-static ionising bar is fitted as standard to overcome the high static charge in many digitally printed stocks.



Automatic Sheet Rotation (Online)

Sheets are automatically rotated into the correct orientation for booklet making.



Security verification

The optional barcode reader provides multi-level security verification and controls the insertion of additional sheets for covers and customised sets.



The Choices

Feeders 2 - 8 feeders,
air-assisted Friction feed,
SlimVAC rotary suction feed

Booklet-Making
BookMaster booklet-maker and
TrimMaster trimmer (page 21)
Automatic Stitch-Fold
and Trim (page 18)
Two-Knife Trimmer (page 24)
SpineMaster (page 26)

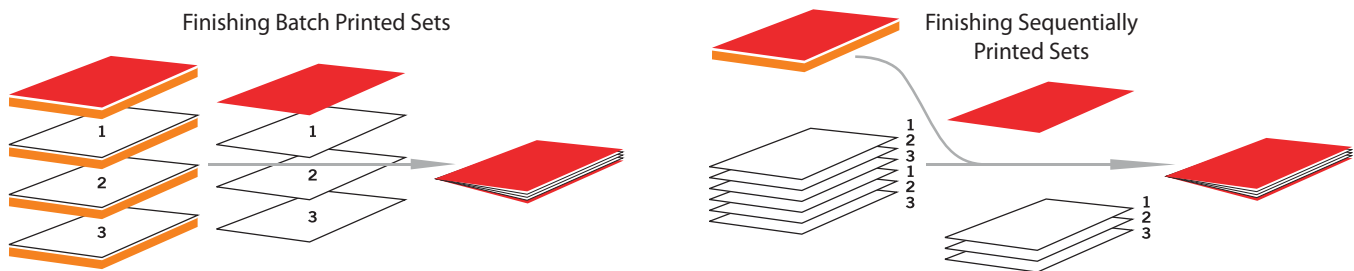
Barcode Reader

Compatibility

- Océ VarioPrint 6000 Ultra
- Océ VarioPrint 5000
- Océ VarioPrint 4000
- Océ VarioPrint 2110/2100/2090 Prémia Class
- Océ VarioPrint 1075/1065
- Kodak DigiMaster 9110, EX110, EX125, EX138, EX150, EX300
- Kodak NexPress 2100+, 2500, 3000



Document Finishing System (offline)



Specifications	
Feed System	SlimVAC variable profile rotary suction feeder with air separation or Friction feed with air separation
Production A4 sheet speed A3 sheet speed Booklet production (Max) Typical production rate	up to 6,400 sheets/hr (SlimVAC); up to 7,200 sheets/hr (Friction) up to 5,200 sheets/hr (SlimVAC); up to 7,200 sheets/hr (Friction) Automatic Stitch-Fold and Trim: 3,300/hr. BookMaster Pro: 2,500/hr 10 sheets A4: 6,000 sheets/hr (equivalent to 200 ppm) 10 sheets A3: 5,000 sheets/hr (equivalent to 333 ppm)
Feed Bin Capacity	45mm (SlimVAC); 40mm (Friction). Flexible bin linking multiplies bin capacity
Number of Feeders	2 - 8
Stock Size	148 x 210mm to 320 x 482mm with BookMaster Pro booklet maker 148 x 210mm to 350 x 482mm with Automatic Stitch-Fold and Trim
Stock Range	40 to 240gsm (SlimVAC); 40-300gsm (Friction) (Coated: minimum 90gsm when booklet making)
Detection	Electronic detection for miss, double, jam and empty bin. Totally automatic and self calibrating, no adjustment required. Full detection and flow control throughout the entire system.
Booklet Making	Watkiss BookMaster Pro (staple-fold and trim). Watkiss Automatic Stitch-Fold and Trim Options: 2-knife trimmer, Watkiss SpineMaster
Barcode Reader (Optional)	Verification at sheet, set and job level; multiple inserts and customised sets. Code 39 or Interleave 2/5. Other types possible on request. Minimum height: 3.5mm preferred (2mm possible)
Features	<ul style="list-style-type: none"> • Online or Offline • Feed individual sheets or complete sets • Automatically insert covers or additional sheets • Finish pre-collated and batch printed sets • Multiple feeders available for inserts and standard collating • Automatic self-calibrating miss and double sheet detection • Active anti-static system • Wide range of paper types from all feeders <ul style="list-style-type: none"> • Sheets remain in correct sequence with no need for special feed sequence or sheet inverter • Colour touch screen graphical user interface • On-screen help system • Preset sizes, templates and job memories for repeat jobs • Special feed sequences and selective feeding • Excellent ergonomics • Small floorspace requirement • SpineMaster SquareBack books (option)