

WATKISS DOCUMENT FINISHING SYSTEM



CREATIVITY · ACCURACY · EFFICIENCY

Watkiss Document Finishing System

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: a near-line multi-function finisher for users of high speed electronic copying, printing and publishing systems. 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. 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

Use the DFS to feed individual sheets or complete sets. With the option of up to 8 feeders, the DFS 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.

Special applications

Special applications, such as selective feed sequences can be programmed on-screen without the need for an external computer. Alternatively, external communication with other machines or systems via RS232

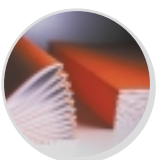
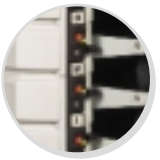
or Ethernet is supported if required. Open architecture means additional functions (such as JDF/CIP4 job tickets and job reporting) can easily be integrated. Where verifiable integrity is needed, the optional barcode reader provides multi-level security verification at sheet, set and document level. It can also control the insertion of covers and multiple additional sheets for customized sets. You can configure the system to interpret the barcode characters as required, and save the configurations in easy recall job memories.

Colour Touch-Screen Interface

The colour touch-screen interface controls the entire system: feeding, stitching, folding and trimming. Job settings and memories are applied across the entire system for greater ease of use and fast set-up. Productivity is enhanced by preset sizes, flexible bin linking, multi-set programming and batch insertion. Add to that the on-screen help and multiple language options, and you can see why the Watkiss interface is the envy of the industry.

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. They feature automatic size adjustment and a low impact stapling mechanism with moving clinches which produces flat, well formed staples over the full range from 2 to 22 sheets. 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.

MULTIPLE FEEDERS

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

ACCURACY

The unique Watkiss SMART detection system is in every bin, continually averaging and fully compensating for ambient light conditions.

ANTI-STATIC

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

SECURITY VERIFICATION

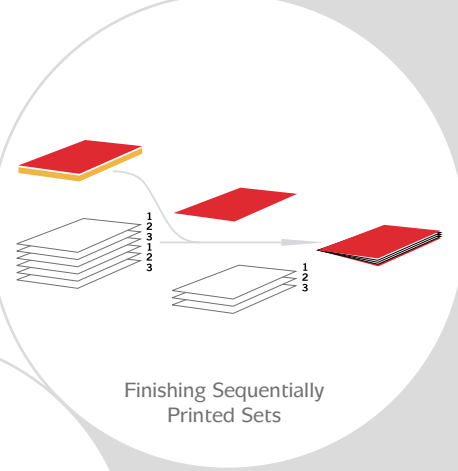
The optional barcode reader provides multi-level security verification and controls the insertion of additional sheets for covers and customised sets.

INTEGRATED CONTROL

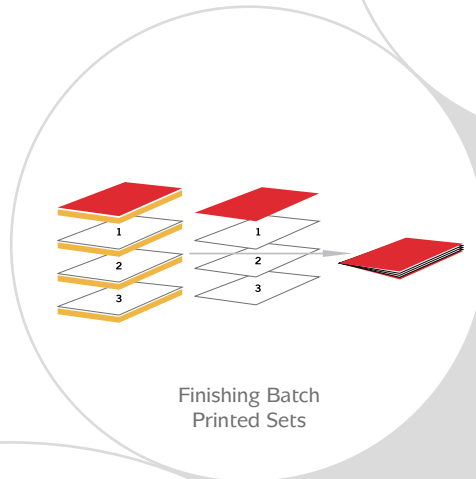
Control the entire system, sheet feeding, stitching, folding and trimming from the central colour touch-screen.

ADDED VALUE

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



Finishing Sequentially Printed Sets



Finishing Batch Printed Sets



THE CHOICES

FEEDERS

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

BOOKLET-MAKING

BookMaster booklet-maker and TrimMaster trimmer.
Automatic Stitch-Fold & Trim.
Optional Auto-SpineMaster.

ONLINE FINISHING SOLUTIONS

For print finishing solutions *online* to digital printers, please contact us.



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| 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) <i>Automatic Stitch-Fold & Trim: 3,300/hr. BookMaster Pro: 2,500/hr</i> 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 Load feed bins 'on the run' to give continuous production |
| NUMBER OF FEEDERS | 2 - 8 |
| STOCK SIZE | 148 x 210mm to 320 x 482mm with BookMaster booklet maker 148 x 210mm to 350 x 482mm with Automatic Stitch-Fold & Trim |
| STOCK RANGE | 40 to 240gsm (SlimVAC); 40-300gsm (Friction) |
| 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 range (staple-fold & trim) Watkiss Automatic Stitch-Fold and Trim. |
| BARCODE READER <i>(Optional)</i> | 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) Picket fence (standard); Ladder (optional) |
| FEATURES | <ul style="list-style-type: none"> • Feeds individual sheets or complete sets • Automatically inserts covers or additional sheets • Finishes 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 • 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 (only 2.08m long) • SpineMaster SquareBack books (option) |

Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions. In line with a policy of continual improvement, we reserve the right to alter the materials or specifications of these products at any time without notice.

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AWARD WINNING PRACTICALITY

At Watkiss Automation Ltd we believe in delivering real solutions to your print finishing needs; and in providing after sales support that's second to none. Our experience of owning and managing successful printing companies ensures we have an empathy with your business; we fully understand the technical and commercial challenges you face. We have over 25 year's experience in supplying print finishing equipment to all sorts of print operations - commercial, inplant and digital. We never forget that the best measure of our success is the satisfaction of our customers.