

Watkiss Vario Collating and Finishing System



CREATIVITY | ACCURACY | EFFICIENCY

“ It is critical to our business that the work we produce is of the highest quality and this is reflected in our choice of finishing equipment. That is why Watkiss supply all our collating and booklet making machinery. ”

Iain Wyeth
Wyeth Print Group

Watkiss Vario Collating and Finishing System

Everything about the Watkiss Vario has been designed to help you, your business, your operators and your profitability. It combines speed, reliability and ease of use to deliver productive and cost effective collating every time; with every feature contributing to overall efficiency.



The Vario is the only truly modular vertical collating system in the world. Buy exactly the machine configuration you need now, confident that you can upgrade or add to the machine in the future. Choose between air-assisted friction feed and the patented SlimVAC rotary suction feeder. Or choose a combination of feeder types, up to 16 per tower, to suit your application. Whichever feed type you choose, precise and reliable feeding ensures high productivity.

Easy to use and Operator Friendly

The Vario is unmatched in its operator friendly and efficient use of space. You can load, unload and operate the entire system from one position, even when booklet making. This saves space, saves time and reduces operator fatigue. The Vario also gives you far better height efficiency than other collators, meaning more bins are within easy reach.

Colour Touch Screen Interface

The Vario's colour touch-screen interface controls all connected equipment, including stacking, stapling, folding and trimming, as well as the collator itself. 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 user interface is the envy of the industry.



Bench-top Collators

For smaller applications, the Vario can be configured as a bench-top collator. It has the professional specification and performance of the rest of the Vario range, giving smaller users big-machine performance.

Special Applications

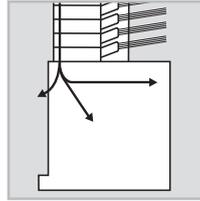
Special applications, including selective feeding, customised sets and integration within other systems are available. Advanced programming features allow you to programme special feed sequences on-screen without the need for an external computer. Alternatively, external communication with other machines or systems via RS232, Ethernet or CAN is supported if required.





Modular

The unique modular design means you choose and specify exactly the machine you need; and you can upgrade on demand.



Multiple Outputs

Multiple delivery directions enable stacking, booklet making and faulty set diversion.



Integrated Control

Control the entire finishing system, collator, stacker and booklet maker from the central colour touch-screen.



Hand Merge Sets

Produce thicker booklets in two stages using the dynamic hand merge station.



Set Security

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



Centre Referenced

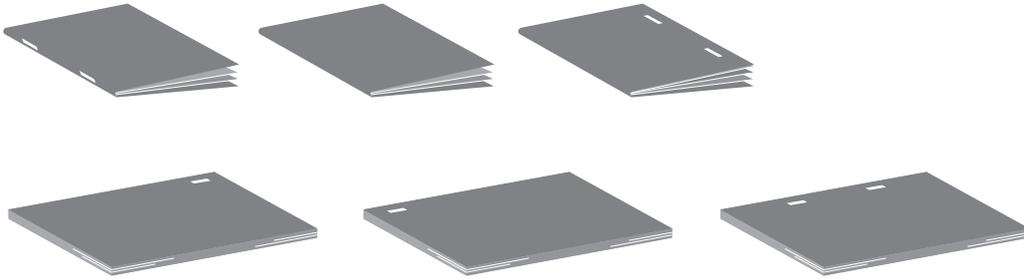
Vario feeders are centre referenced, so the feed is always balanced and central on the sheet, regardless of the paper size.

Additional Benefits

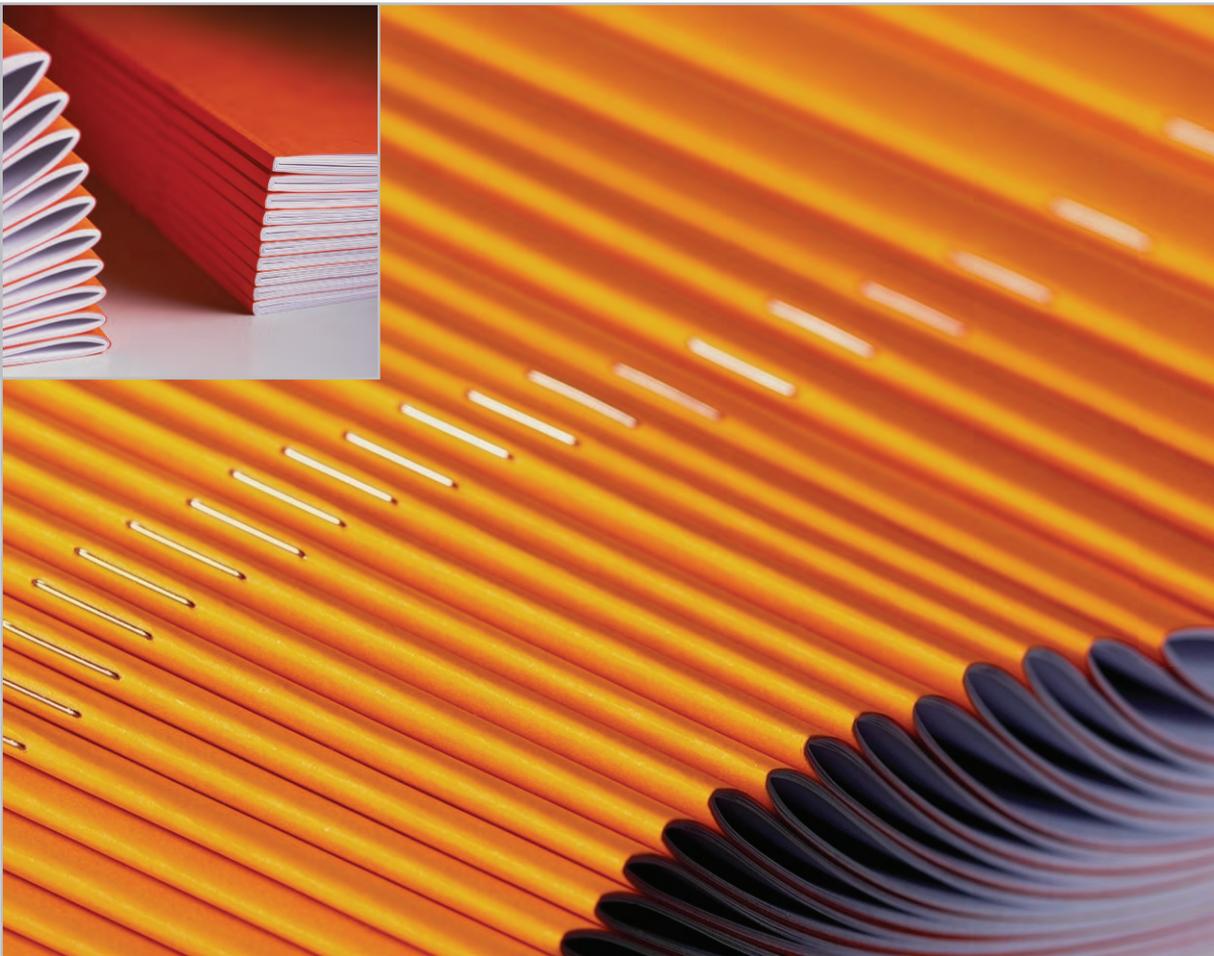
- Modular construction
- Up to 16 bins per tower
- Wide range of sheet sizes and stocks
- Very compact design
- Excellent ergonomics - load, unload and operate the entire system from one position, saving space, time and operator fatigue
- Independent operation of each tower in two-tower systems
- On-screen help system
- Pre-set sizes, templates and job memories for repeat jobs
- Special feed sequences and selective feeding
- Faulty-set diverter†



Booklet Making



Watkiss booklet makers can fold, stitch-and-fold, edge-stitch, edge-stitch-and-fold, and corner-stitch.



BookMaster Pro30 and TrimMaster Pro30

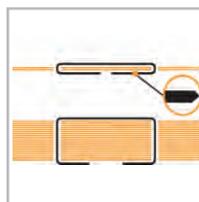
The BookMaster Pro30 booklet maker and TrimMaster Pro30 trimmer combine maximum performance with cost effectiveness. They are simple to operate and low maintenance, making them by far the most advanced, user friendly and reliable staple-fold booklet makers available today.

The BookMaster Pro30 has a unique low impact stapling mechanism that ensures virtually maintenance free operation. The main wearing parts are included in the staple cartridge and are replaced every 5,000 cycles when the cartridge is changed. As a result, over one million cycles can be run before staple head maintenance is required.

The BookMaster Pro30 has automatic set-up to adjust the sidelays, endjog and staple/fold position. The DFS's colour touch-screen runs the entire system.

The optional TrimMaster Pro30 trimmer has a single self-sharpening hardened steel blade to neatly trim the fore-edge of the book.

All trimmings are transported outside the machine to an external waste box allowing continuous operation and finished booklets are delivered onto a high capacity outfeed conveyor, or into the optional SpineMaster. For full-bleed work, the optional two-knife trimmer trims the top and bottom edge of the booklet.



High quality staples

The low impact stapling mechanism with moving clinches produces flat, well formed staples over the full range from 2 to 30 sheets.



Maintenance free staple system

Changing the staple cartridge automatically replaces the main wearing parts.



BookMaster Pro30 booklet maker and TrimMaster Pro30 trimmer

Additional Benefits

- Professional standard build quality
- Staples are well formed from 2 to 30 sheets
- Fully automatic size adjustment
- Top-jog produces good performance with heavy art papers
- External trimmer waste-bin
- Small footprint - the BookMaster Pro30 fits beneath the DFS

2-Knife Trimmer

The Two-Knife Trimmer is a compact unit that trims the top and bottom edge of stitched or stapled booklets. It completes a single-pass booklet making system to give a professional and cost effective solution for full-bleed printed work.

It is perfect for a wide range of traditional and on-demand applications, where the booklets are quickly finished in one streamlined operation without the need for additional handling or finishing steps.



SpineMaster

Add value to your booklets by applying a SquareBack finish with the Watkiss SpineMaster. It gives you the superior appearance of a perfect bound booklet combined with the security of a stitched spine.

The SpineMaster transforms traditional stitch-fold booklets into square-spined SquareBack books that are flat and easy to pack, stack and handle. There is no risk of loose pages and you can even print on the spine.

While traditional booklet making achieves a satisfactory result on thin booklets, the more sheets you use, the more the book will "gape" at the spine. The SpineMaster re-forms the spine into a square shape to produce a long lasting, high quality finish.

Additional Benefits

- SpineMaster SquareBack booklets are the preferred choice of print buyers due to their professional appearance
- Booklets can be opened flat without damaging the spine
- Overall bulk is reduced by at least one third

Watkiss SpineMaster



The SpineMaster fits after the trimmer units and the unique SquareBack process ensures that no additional trimming is required.

After processing, the SquareBack booklets are delivered into a stacking hopper on the top of the unit, where they are easily removed by the operator. If required, booklets can bypass the SquareBack process and are delivered directly to the hopper. Similarly, individual booklets can be hand fed into the unit if required.

SquareBack book technology, which was developed and patented by Watkiss, is now the preferred choice of printers and print buyers all over the world.



Before and After

Traditional stitch-fold booklets are transformed into SquareBack booklets.



SquareBack Booklets

Flat booklets are easy to handle, stack and pack.



Print on the Spine

SquareBack booklets can carry print on the spine, just like a perfect bound book.



Online or Offline

Hand feed or operate online, the choice is yours.

Watkiss Vario Collating and Finishing System

Each Watkiss Vario is built up from a range of inter-changeable modules. Simply match the modules to your needs.

Specifications	Friction Feed	SlimVAC Suction Feed
Feed System	Friction feed with air separation	Variable profile rotary suction feeder with air separation
Production (SPH)	Up to 7,200	Up to 5,000
Bin Capacity	40mm	45mm
Configuration (Max. number of feeders) Floor-standing base Bench-top base	16, 32 with two towers 10	
Stock Size	120 x 160mm to 364 x 520mm	
Stock Range	40 to 300gsm (Coated: minimum 90gsm when booklet making)	40 to 240gsm
Detection	Electronic detection for miss, double, jam and empty bin. Totally automatic and self-calibrating, no adjustment required. †Faulty set diversion is standard on floor-standing machines.	
Stacking	Straight Jogger, Criss-Cross X-Jogger Bench-top machines include an integral stacker	
Booklet Making	Watkiss BookMaster Pro30 (staple-fold and trim)	
Options	Rear Outfeed, Hand Merge Station*, 2-knife trimmer, Watkiss SpineMaster *Floor-standing machines only	

Booklet Making

Specifications	BookMaster Pro30
Production	Up to 2,500 per hour
Max/Min Input Size	210 x 140mm to 482 x 320mm
Max Booklet Thickness	30 sheets (of 80gsm)
Stapling/Stitching	Low impact stapler with moving clinches 5000 capacity staple cartridge (includes the driver and former)
Max/Min Stitch Pitch	115mm /138mm/corner
Operating Modes	Staple, fold, staple and fold, edge staple, edge staple and fold, corner staple (with optional 3rd staple head)
Fore-edge Trimming (option)	TrimMaster Pro30 Max. 25mm trim
Side trimming (option)	Min/max booklet height before trimming: 204 – 340mm Min/max booklet height after trimming: 200 – 320mm Max. 35mm trim
Delivery	Outfeed conveyor, SpineMaster
SpineMaster (option)	Production: up to 1750 per hour, single pass up to 1150 per hour, double pass* *double pass mode may be used for thick books, with stiff covers; the book is automatically processed twice for optimum results.

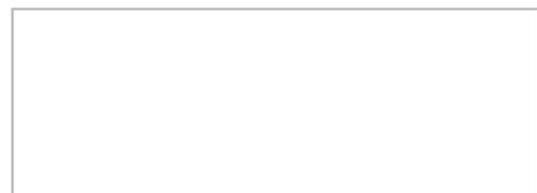


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