

WATKISS DIGIVAC COLLATORS



CREATIVITY · ACCURACY · EFFICIENCY

Watkiss DigiVAC™ Collating and Finishing System

The Watkiss DigiVAC™ combines reliable sheet feeding with a constant work-flow to make it the most productive and easy-to-use collator ever.

The revolutionary patented suction feed system feeds sheets from the bottom of the stack. You reload the bins while the machine is still running, before the bins actually run out. The result is non-stop productivity. A conventional collator stands idle up to 50% of the time while the operator reloads the bins; so the productivity gains of the DigiVAC are easy to see. There is no need to purchase extra bins or towers to achieve loading-on-the-run, so capital outlay is also reduced. Continuous operation also produces more reliable feed since the paper stack is constantly aerated - all collators run better when they are not stop/starting.

Easy to use and Operator friendly

This constant workflow has another benefit - bin loading is less strenuous for the operator, who can load a comfortable handful of stock at a time without losing productivity. The DigiVAC's unique suction feeder design dramatically reduces the need for operator adjustment. The intelligent control system removes all of the guess work for the operator. Bins automatically switch on when they are loaded; once the job is started the bins are security locked to prevent operator error; the detection system is self-calibrating and automatically compensates for minor stock variations. Various operating modes for collating preset quantities, feeding covers or for running batches are easily programmed. The DigiVAC also has an integral dynamic hand-merge station which means booklets comprising more than 8 or 12 sheets can be produced in two stages by hand merging two partial sets.

DigiVAC Plus

The DigiVAC is also available as a 'Plus' model which features a colour touch-screen user interface. This controls all connected equipment, including stacking, stitching, folding and trimming, as well as the collator itself.

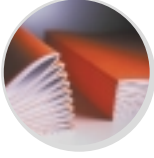
Job settings and memories are applied across the entire system for greater ease of use and fast set-up. Add to that the on-screen help and multiple language options, and you can see why the Watkiss interface is the envy of the industry.

Booklet-making

All DigiVACs are compatible with Watkiss BookMaster™ staple-fold booklet-makers. DigiVAC+ users can also choose the Watkiss Automatic Stitch-Fold and Trim which uses wire reel-fed stitch heads. The best booklet-maker for you will depend on your overall workload, run length and required production rate.

Special Applications

Special applications, including selective feeding for mailing machines, customised sets and integration within other systems are available on the DigiVAC+. 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.



NON-STOP PRODUCTION

Loading on the run gives non-stop productivity

SET SECURITY

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

UPGRADEABLE

DigiVACs can be upgraded - from 8 to 12 bins and from standard DigiVAC to DigiVAC+

HAND MERGE SETS

Produce thick booklets using the built-in dynamic hand-merge station.

PERFECTLY ALIGNED SETS

The straight jogger is perfect for stacking carbonless sets.

INTEGRATED CONTROL

Control the entire finishing system, collator, staker and booklet-maker from the central colour touch screen. (DigiVac+ only)

ADDED VALUE

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



THE CHOICES

DIGIVAC

Standard or Plus '+' version
8 or 12 bins per tower
Single or two tower (DigiVAC+ only)

STACKING

Criss-Cross Jogger
Straight Jogger

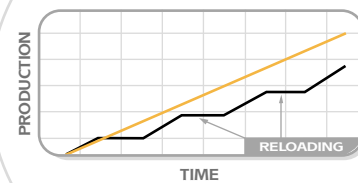
BOOKLET MAKING

Automatic Stitch-Fold and Trim
BookMaster booklet-makers
(manual or automatic)

DIGITAL PRINT FINISHING

For specialist digital print finishing solutions, please ask for the separate brochure.

Production Over Time (Collating and Booklet-making)



- DigiVac & booklet-maker
- Conventional Collator & booklet-maker

	DIGIVAC	DIGIVAC PLUS
CONFIGURATION	8 or 12 bins, single tower	8 or 12 bins, single or two towers
PRODUCTION	Up to 3,500 sets per hour continuous (non-stop) production	Up to 7,200 sets per hour, continuous (non-stop) production
BIN CAPACITY	Up to 60mm (bin capacity is irrelevant due to the continuous loading-on-the-run, making the feeder capacity logically unlimited).	
SHEET SIZES	120 x 200mm to 350 x 500mm	
STOCK RANGE	50 to 300gsm+	
DETECTION	Electronic detection for miss, double, jam and empty bin. Totally automatic and self calibrating, no adjustment required.	
CONTROL	5-digit LED display	Colour touch-screen graphical user interface
STACKING	Straight Jogger, Criss-Cross X-Jogger	
BOOKLET MAKING	Watkiss BookMaster range (staple-fold & trim) DigiVAC+ only: Watkiss Automatic Stitch-Fold and Trim	
FEATURES	<ul style="list-style-type: none"> • Continuous non-stop production - no downtime for bin loading • Patented flat suction feed from the underside of the paper stack • No need to purchase extra bins or towers to obtain loading-on-the-run • Collates a wide range of stock materials without adjustment • Very gentle on delicate papers and digital print • Centre-referenced feed collates mixed sizes with ease • Operator friendly - less strenuous to run • Set counter and preset counter • Batch mode for cover feeding and batch inserting • Flexible bin linking to maximise bin utilisation • Integral Dynamic Merge Station • In-built faulty set handling facility • Bi-directional delivery to front or back, for stacking or booklet-making • Virtually maintenance free, no lubrication and no consumable parts 	

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.

Protected by patent.
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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.