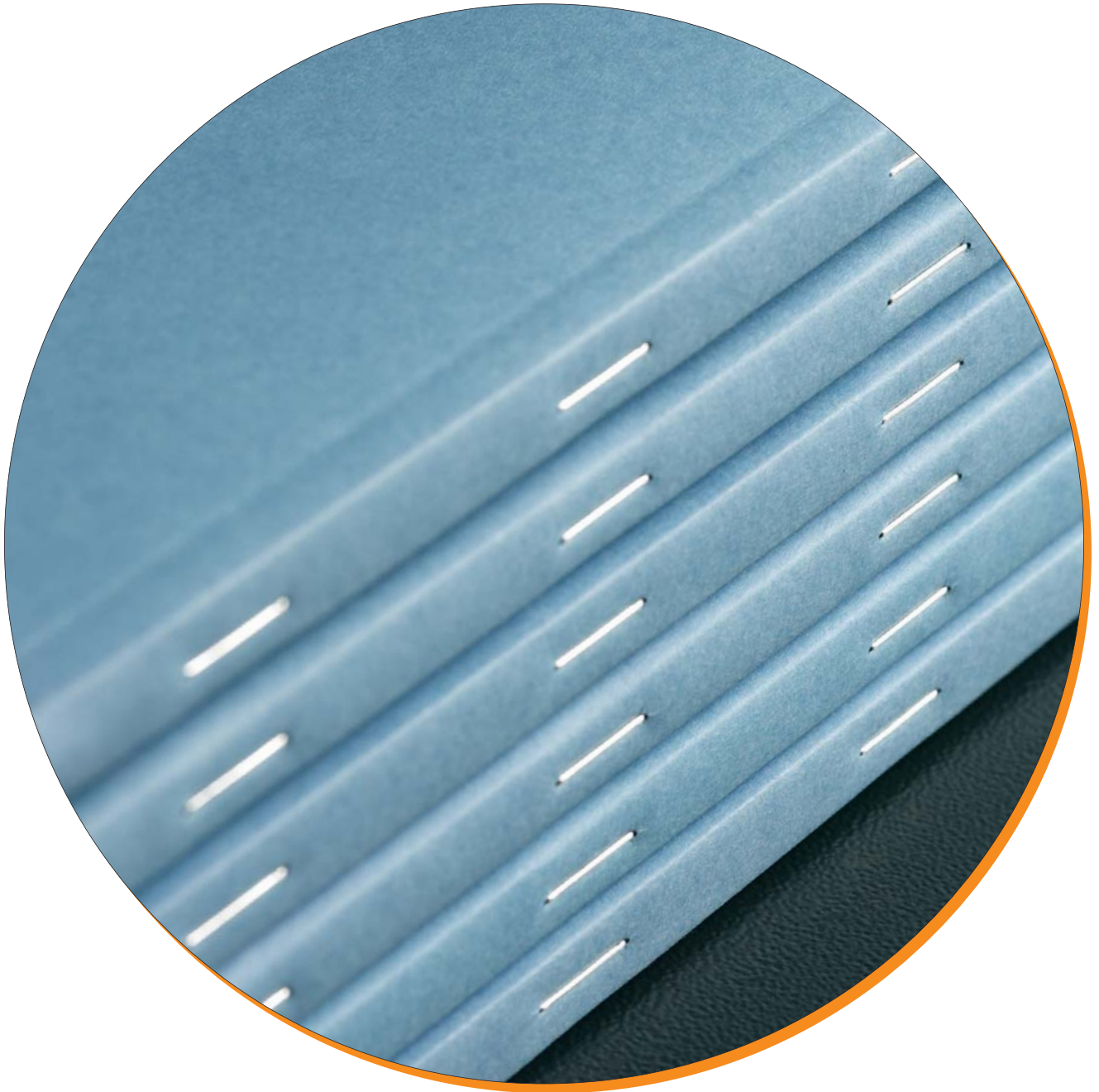


WATKISS POWERSQUARE™ 200



CREATIVITY · ACCURACY · EFFICIENCY

A new & innovative 'complete book making system'

The Watkiss PowerSquare™ 200 is a new and innovative complete book making system for digital and offset print applications. In a single machine it combines the four processes of stitching, folding, spine forming and trimming to produce SquareBack™ books up to 200 pages thick. It features fully automatic settings for different book size and pagination, including variable stitch leg length for varying book thickness.

The maximum book thickness, of 10mm (200 pages 80gsm), is double that of alternative conventional booklet making machines, so it is ideally suited to higher paginations or to thicker stocks. This makes the Watkiss PowerSquare™ 200 a fast and cost effective alternative to perfect binding or tape binding. Since it will also produce books from only a few sheets, it provides a single book making solution for documents from 8 through to 200 pages. Digital print applications frequently use heavier stocks and need the flexibility to produce a wider range of finished books from a single process, with little or no operator intervention - the new Watkiss PowerSquare™ is a perfect match.

A Single Solution

The PowerSquare™ is a single solution for books from 8 - 200 pages. No other book making system offers this flexibility. It requires less capital outlay since one machine will finish virtually all production. It has the added advantage that printed sheets do not need any manual handling between different finishing devices.

SquareBack™ Books

The finished SquareBack™ books have the superior square-spined appearance of a perfect bound book, but with the security of a stitched spine. They lie flat and are easy to pack, stack and handle. There is no risk of loose pages and you can print on the spine. The technology to create

SquareBack™ books was developed and patented by Watkiss. Now, with the PowerSquare™, it is available as a single integrated book-making machine.

Consistent, Quality Stitching

The PowerSquare™ has a single stitch head which inserts one to six stitches in the spine of the book. The stitch head and clincher are static - the sheets move to the stitch, not vice versa. This means the stitch head and clincher never have to be moved, so alignment and stitch quality is consistently good.

Easy to Use

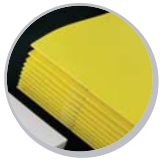
The PowerSquare™ is extremely easy to use. Simply enter the job parameters (paper size, book thickness and number of stitches) into the touch-screen and press 'start'. The PowerSquare™ automatically sets the stitch position, the wire draw length (the stitch leg length), the amount of spine form required and the trim dimension. To make repeat jobs easier still, you can save the settings, each with a unique name, for instant recall when required.

Space-saving, Ergonomic Design

The PowerSquare™ has a very small floorspace requirement - significantly less than alternative book finishing methods. What's more, when operating online to a printer, the finished books are delivered close to the normal operator position - not several metres 'down the line'.

Online or Offline

The PowerSquare™ is available in online or offline versions. Online versions include automatic sheet rotation to suit the book making process whilst maximising printing speed. As an offline version, the PowerSquare™ can be hand fed, providing a flexible book making solution which is instantly ready.



A SINGLE SOLUTION

It is a single solution for books from 8 – 200 pages. No other book making system offers this flexibility.

SQUAREBACK BOOKS

SquareBack books can carry print on the spine, just like a perfect bound book. They are easy to handle, stack and pack.

DOUBLE BOOK THICKNESS

10mm (200 pages of 80gsm paper) is twice that of conventional machines.

THIN BOOKS

The SquareBack finish can be switched off for thin books, if required.

AUTOMATIC SHEET ROTATION

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

SINGLE, HEAVY DUTY STITCH HEAD

Insert from 1 - 6 stitches. The static stitch head ensures consistent alignment and quality.

INSTANT-ON

There is no warm-up time, so the machine is always ready to run.



Online PowerSquare



Offline PowerSquare



Insert 1-6 stitches

PRINTER COMPATIBILITY

- Océ VP2000, VP4000 & VP6000 series
- Xerox Nuvera 100/120/144/200/288
- Kodak DigiMaster EX110, EX125, EX138 & EX150
- Konica Minolta bizhub PRO 1600P, 2000P, 2500P
- Canon imageRUNNER Pro 7110VP, 7125VP, 7138VP, 7150VP
- Canon iR 110Vpe, 125VPe, 138VPe, 150VPe

FEATURES

- Makes books from 8 – 200 pages
- Produces SquareBack™ books
- Heavy duty side-loading stitch head
- Fully automated
- Ergonomic design
- Small footprint
- Instant-on, no warm up time
- Low power requirements

KEY BENEFITS

- Less capital outlay
- No manual handling between different finishing devices
- Less floorspace requirement
- Less operator training
- Produces high quality finished books



	ONLINE	OFFLINE
OPERATING CONDITIONS	10-35°C at 35-85% relative humidity	
PRODUCTION	Dependant on number of stitches and book thickness.	
	Cycle time: Printer dependant. Inter-set gap: 2 seconds Typical set time: 5.5 - 7.5 seconds	Typical set time: 5.5 - 7.5 seconds
STOCK SIZES <i>(input size)</i>	200 x 200mm Minimum 340 x 500mm Maximum	120 x 200mm Minimum 370 x 520mm Maximum
SHEET ROTATION <i>(Online machines)</i>	Integrated rotator ensures maximum printer productivity. Maximum rotation sheet size: 320 x 220mm Minimum rotation sheet size: 207 x 200mm	
STOCK RANGE	70 - 250gsm dependant on paper type and quality	
BOOK THICKNESS	Minimum set thickness: 2 sheets (when folded makes an 8 page booklet) Maximum finished book thickness: 10mm (approx 200 pages 80gsm) Maximum set thickness: 5mm (approx 50 sheets 80gsm)	
STITCHING	1 - 6 stitches, evenly spaced on the spine of the book Stitches/spool: up to 291,500 Books*/spool: approx 127,000	
TRIMMING	Maximum fore-edge trim: 28mm Minimum trimmed book size: 80mm	
STACKER CAPACITY	35 books*	
DIMENSIONS	Footprint: 1870 x 1675mm Height: 1330mm maximum	Footprint: 1870 x 1300mm Height: 1330mm maximum
	WEIGHT	Including connecting bridge: 702kg
POWER SUPPLY	Adjustable to 200, 208, 220, 230 and 240V 50/60Hz, single phase	
POWER CONSUMPTION	Standby: 92VA (75W) In operation: 700VA (500W)	
NOISE EMISSION	Standby: ambient In operation: 66 dB (A), peak 87 dB (A)	
APPROVALS	Complies with CE and UL. Conforms to FCC rules Part 15 Class A	

*Standard book is made from 20 sheets of 80gsm bond paper, with 2 stitches.

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 30 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.



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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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USA 6692208, others pending. EU 1138521, others pending. Japan patents pending.

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