

Watkiss PowerSquare™ 224

The Watkiss PowerSquare 224 is a unique and innovative complete booklet making system for mid- and high-production environments. It produces square folded books up to 224 pages thick, and enables you to print and publish on demand with the industry's leading digital printers.

The Watkiss PowerSquare 224 connects inline to a wide range of Xerox® colour and monochrome production printers. It is ideal for customers who demand professional quality booklets in a fast and versatile production system.



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Solution

The PowerSquare 224 production booklet maker uniquely combines the four processes of stitching, folding, spine forming and trimming to produce square folded books of 8 to 224 pages thick, that lie flat, stack easily and allow printing on the spine.

Designed for high production reliability and ease of use, it has the ability to handle long runs without any operator intervention.

The addition of the P2T side trimmer provides a professional solution for full-bleed printed work, especially important for colour printed applications.

Value

The PowerSquare 224 booklet maker lets you “do more with less” by providing a versatile, economical and reliable solution for producing finished booklets with the attractive look and feel of perfect bound books.

Benefits

- **Increase productivity, reliability and quality** with this superior digital inline stitch/fold/square-spine/trim booklet maker.
- **Finish a wider range of work** with the ability to process jobs up to 224 pages. The PowerSquare 224 handles thicker stock and more pages than other booklet makers.
- **Deliver added-value professional books** to customers. Only the PowerSquare 224 creates the square spine at the same time as folding to produce a sharper, better quality finish.
- **Gain peak efficiency.** With up to six stitches per book, you can produce books 2-up or 3-up for peak efficiency. Inserting multiple stitches also improves the quality and durability of thick books.
- **Benefit from improved quality** on every book with dynamic automatic adjustment for page count, to ensure perfect stitching and folding quality regardless of the book thickness.
- **Save time and save space** thanks to the ergonomic footprint that delivers books to the normal operator position. The operator also benefits from fast setup via the easy-to-use colour touchscreen.

Watkiss PowerSquare™ 224 Specifications

Inline Booklet Making

Paper Size

- 7.9 x 7.9" to 14.3 x 19.6" (200 x 200 mm to 365 x 500 mm) dependent on printer capability

Sheet Rotation

- Integrated rotator ensures optimum printer productivity
- Maximum rotation sheet size: 12.6 x 8.9" (320 x 227 mm)
- Minimum rotation sheet size: 8.2 x 7.9" (207 x 200 mm)

Stock Range

- 16 lb Bond – 110 lb Cover (60 – 300 gsm) dependent on paper type and quality

Book Thickness

- Minimum set thickness:
1 sheet (when folded makes a 4-page leaflet)
- Maximum finished book thickness:
0.4" (10.4 mm) approximately 216 pages 20 lb Bond
(208 pages 80 gsm, 224 pages 70 gsm)
- Maximum set thickness:
0.2" (5.2 mm) approximately 54 sheets 20 lb Bond
(52 sheets 80 gsm, 56 sheets 70 gsm)

Stitching

- Heavy duty side-loading stitch head; automatic adjustment for page count
- Up to six stitches, evenly spaced on the spine of the book
- Stitches/spool: up to 291,500
- Books*/spool: approximately 127,000

Fore-Edge Trimming

- Maximum fore-edge trim: 1.1" (28 mm)
- Minimum trimmed book size: 3.1" (78 mm)

Side Trimming (option)

- Maximum side trim: 1.5" (40 mm) each side
- Minimum trimmed book size: 4.7" (120 mm)

Stacking

- Standard stacker: 35 books*
- Book Stacker (optional): 36.6" (930 mm)

User Interface

- Colour touchscreen in English, French, German, Spanish, Italian, Dutch and Chinese

Duty Cycle

- Average volume: 50,000 books per month
- Peak volume: 150,000 books per month

Xerox® Products Supported

- Xerox® iGen®, Xerox Nuvera® and Colour Press families

Applications Supported

Booklets of various types and sizes for:

- Manuals
- Catalogues
- Brochures and Pamphlets
- Magazines
- Reports
- Newsletters



* Standard book is 20 sheets of 80 gsm paper with two stitches. Specifications are defined in metric. Imperial measurements are included for convenience only. PowerSquare and SquareBack are trademarks of Watkiss Automation Ltd. in the UK and other countries. Protected by patent.

Contact your Xerox representative for details and to find out more about our finishing options.