



PowerSquare™ 224 **for Ricoh**

PowerSquare™ 224

Finishing first.

The Plockmatic Group develops and manufactures an extensive range of document finishing systems sold under the Plockmatic and Morgana brand names. These products are available as both inline and offline systems, and turn stacks of printed paper into the documents you use every day.

Together with Ricoh, we offer an extensive range of finishing solutions.

Plockmatic PowerSquare™ 224

The Plockmatic PowerSquare™ 224 is a unique and innovative complete book making system designed for high production environments. In a single machine it combines the four processes of stitching, folding, spine forming and trimming to produce SquareBack™ books up to 224 pages thick.

One of the unique features of the booklet maker is the capability of up to 6 stitches in one set enabling 2-up, making it suitable for demanding handfed applications, and with the optional P2T Full Bleed Trimming module, this enables you to increase productivity and efficiency.

Together with Ricoh's latest print technology, you can produce a wide variety of book formats with professional look and feel of a perfect bound book.



SquareBack™ Booklets

The booklet is a great way to tell a story. And the need for high quality booklets on a wider range of media is growing fast. The PowerSquare™ 224 delivers booklets finished with the unrivaled SquareBack finish.

SquareBack™ books can carry print on the spine, just like a perfect bound book, making it much easier to handle, and more efficient to stack and pack. And the books look great.



PowerSquare™ 224

Produce **booklets** up to 10.4mm thick with the **PowerSquare™ 224**

Static Stitching Head

The PowerSquare™ 224 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.

Up to 6 staples can be applied to one set for 2-up or 3-up production. It also features fully automatic settings for different book size and pagination, including variable stitch-leg length for varying book thickness.

PowerSquare™ P2T 2 knife trimmer

The PowerSquare™ Two-Knife Trimmer (P2T) is a compact module that completes the booklet making process by trimming the top and bottom edges of the book after it's made. This reduces workflow steps by eliminating pre or post press trimming on a guillotine.



It's a professional solution for full-bleed printed work, especially important for colour printed applications.

PowerSquare™ PBS Book Stacker

The PowerSquare™ Book Stacker (PBS) delivers huge efficiency gains by allowing the booklet maker to run, unattended, for extended periods.

With a capacity of 930mm, it can run for up to an hour without operator intervention. The stacker can be unloaded on-the-run and accommodates different sized books without adjustment, giving you uninterrupted, efficient book production.



Technical Specifications

PowerSquare™ 224	
Paper Size	200 x 200mm to 370 x 520mm (to 330 x 520mm inline)
Finished Book Size	200 x 100mm to 370 x 260mm (min.120 x 78mm with facetrim and bleedtrim)
Stock Range	60 - 300gsm dependent on paper type and quality
Book thickness	Minimum set thickness - 1 sheet 80gsm (when folded makes an 4 page leaflet)
	Maximum set thickness - 5.2mm (approx 56 sheets of 80gsm)
	Maximum finished book thickness - 10.4mm (approx 224 pages of 80gsm)
Stitching	1 to 6 stitches, evenly spaced on the spine of the book
Stitches per spool	Up to 291 500
User Interface	Touch screen user interface
Face trimmer	Integrated
Face trimmer range	Up to 28mm
Square folding	Integrated
Bleed trimmer	Optional P2T Two-Knife trimmer
Bleed trimmer range	Up to 40mm from each side of the book
Rotation	Integrated in bridge unit for smaller sheet sizes (A4/SRA4)
Extended stacking	Optional PBS Book Stacker, up to 930mm stacking capacity
Compatible print engines	Ricoh Pro™ C7200 Series Ricoh Pro™ C9200 Series Ricoh Pro™ 8300 Series
Compatible interfaces	Ricoh SK5040 High Capacity Stacker

PowerSquare™ 224 with 2 knife trimmer - machine footprint

