



Plockmatic PowerSquare™ 224  
**for Konica Minolta**

# 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 Konica Minolta, 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 224 is the capability of up to 6 stitches in one set enabling 2-up or 3-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 Konica Minolta'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 0.4" 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 PowerSquare to run, unattended, for extended periods.

With a capacity of 36", 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

| Inline PowerSquare™ 224  |   |
|--------------------------|---|
| Paper Size               | 7.87" x 7.87" to 14.56" x 20.47"  |
| Finished Book Size       | 7.87" x 3.93" to 14.56" x 10.24" (min. 4.73" x 3.07" with facetrim and bleedtrim)   |
| Stock Range              | 16 - 80 lb Bond dependent on paper type and quality   |
| Book thickness           | Minimum set thickness - 1 sheet 20 lb Bond (when folded makes an 4 page leaflet)  |
|                          | Maximum set thickness - 0.2" (approx 52 sheets of 20 lb. Bond)  |
|                          | Maximum finished book thickness - 0.4" (approx. 208 pages of 20 lb. Bond)   |
| Stitching                | 1 to 6 stitches, evenly spaced on the spine of the book   |
| Stitches per spool       | Up to 291 500   |
| User Interface           | Touch screen graphical user interface   |
| Face trimmer             | Integrated  |
| Face trimmer range       | Up to 1.1"  |
| Square folding           | Integrated  |
| Bleed trimmer            | Optional P2T Two-Knife trimmer  |
| Bleed trimmer range      | Up to 1.57" from each side of the book  |
| Rotation                 | Integrated in bridge unit for smaller sheet sizes (8.5x11" and 9x12")   |
| Extended stacking        | Optional PBS Book Stacker, up to 36" stacking capacity  |
| Compatible print engines | AccurioPress C12000 / C14000<br>AccurioPress C6085 / C6100<br>AccurioPress C3070 / 3080<br>AccurioPress C83hc<br>AccurioPress 6120 / 6136 / 6136P<br>bizhub PRESS 2250P |

## Inline PowerSquare™ 224 with 2 knife trimmer - machine footprint

