



PowerSquare™ 160 and 224

# PowerSquare™ 160

## Key Features - PowerSquare™ 160

- **Paper Size** - Hand Feed: 140 x 200mm to 370 x 620mm  
Online: 200 x 200mm to 370 x 620mm
- **Stock Range** - 60 - 400gsm dependent on paper
- **Book thickness:**
- Minimum set thickness - 1 sheet 80gsm (when folded makes an 4 page leaflet)
- Maximum finished book thickness - 8mm (approx 160 pages 80gsm)
- Maximum set thickness - 4mm (approx 40 sheets 80gsm)
- **Stapling** - Auto-adjusting staple pitch according to sheet size, range 105-150mm
- **Staples per cartridge** - 5000
- **Dimensions Offline** - W1400mm x D1750mm x H1330mm

## PowerSquare™ 160 Hand Fed



Hand feeding is often the most practical solution for low volume digital printed jobs, where ease of set-up and flexible media sizes are important. Book quality is never a compromise with the fully featured Hand feed PowerSquare™ 160. This model is designed with an easy upgrade path to add feeders or operate inline to your printer.

## PBS Book Stacker (PSQ160 and 224)

The PowerSquare™ Book Stacker (PBS) delivers huge efficiency gains, enabling unattended operation for extended periods. Different sized books need no adjustment and you can unload the stacker on-the-run. Books are stacked vertically, so very little extra floor space is needed.

- 930mm capacity
- Up to one hour without operator intervention

## PowerSquare™ 160 with Dual Bin Feeder

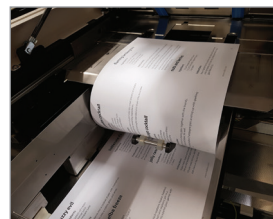
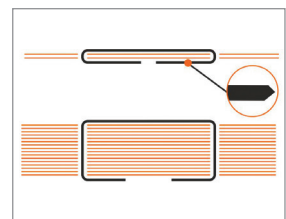


### Wide Media Range

200 x 200 mm min to 370 x 620 mm max including A4 landscape and DL size books

### High Quality Stapling

Maintenance-free low impact stapler system with extra-high tensile staples and auto adjusting staple pitch.

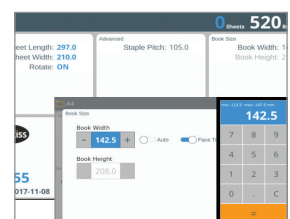


### Monitored Paper Flow

Unique paper transport system with constant position monitoring ensures accurate and consistent paper handling, even with long sheets.

### Graphical User Interface

State of the art control system including remote diagnostics for pre-emptive customer service.



# PowerSquare™ 224

## Key Features - PowerSquare™ 224

- **Paper Size** - Offline: 120 x 200mm to 370 x 520mm
- **Stock Range** - 60 - 300gsm dependent on paper
- **Book thickness:**
- Minimum set thickness - 1 sheet 80gsm (when folded makes an 4 page leaflet)
- Maximum finished book thickness - 10.4mm (approx 208 pages 80gsm, 224 pages 70gsm)
- Maximum set thickness - 5.2mm (approx 52 sheets 80gsm, 56 sheets 70gsm)
- **Stitching** - Single heavy duty stitch head 1 - 6 stitches, evenly spaced on the spine of the book
- **Stitches/spool:** up to 291,500
- **Books\*/spool:** approx 127,000
- **Dimensions Offline** - W1300mm x D1870mm x H1330mm

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

## PowerSquare™ 224

The PowerSquare™ 224 is designed for high production environments. It enables you to print and publish on demand with the industry's leading digital printers. It is a fast and convenient solution for short run booklets, and a good alternative to tape and wire binding systems.

The hand feed PowerSquare™ 224 has a multitude of uses, including manuals, magazines, programmes, academic journals, financial reports and education materials.

## P2T Two-Knife Trimmer (PSQ160 and 224)

The PowerSquare™ 2-Knife Trimmer (P2T) completes the booklet making process by trimming the top and bottom edge of the book. It provides a professional solution for full-bleed printed work, essential for colour printed applications.

- Side-trimming the finished book gives a cleaner, sharper and more accurate result
- Up to 40mm can be trimmed from each end of a book
- The trim position can be offset to match the image position



## SquareBack Books

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.



### Extra Book Thickness

Produce books up to 224 pages, or 10.4mm thick - perfect for high paginations or for heavier paper stocks.

### Insert 1 - 6 stitches

A single heavy-duty stitch head inserts from 1 to 6 stitches, which gives added security with thick books and allows 2-up and 3-up production.



### High Productivity

A wire-fed stitch head with fully automatic stitch adjustment ensures perfect stitching quality and low consumable costs.

### Integrated Face Trimming

Unique chevron blade applies balanced pressure and square results when face trimming even the thickest books.



# Technical Specifications

<b>PowerSquare™ 160</b>	
Paper Size	Hand Feed: 140 x 200mm to 370 x 620mm Online: 200 x 200mm to 370 x 620mm
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Book thickness	Minimum set thickness - 1 sheet 80gsm (when folded makes an 4 page leaflet)
	Maximum finished book thickness - 8mm (approx 160 pages 80gsm)
	Maximum set thickness - 4mm (approx 40 sheets 80gsm)
Stapling	2 low impact staple heads with moving clinchers. Auto-adjusting staple pitch according to sheet size, range 105-150mm
Staples per cartridge	5000
Dimensions Offline	W1400mm x D1750mm x H1330mm

<b>PowerSquare™ 224</b>	
Paper Size	Offline: 120 x 200mm to 370 x 520mm
Stock Range	60 - 300gsm dependent on paper type and quality
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## Options (PSQ160 and 224)

PBS Book Stacker



2-Knife Trimmer for full bleed applications



\*Disclaimer As part of our continued product improvement plan, specifications and information published here are subject to change without notice. All specifications are dependent on application, type of stock, temperature, RH and print engine used. Specifications quoted were measured on uncoated and unprinted stock. E & OE.