Watkiss PowerSquare™ 160

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The PowerSquare 160 is a modular open-architecture system that is flexible and versatile: it lets you produce booklets from a wide range of sheet sizes and materials, including A4 landscape format and heavy cover stocks. With optional accessories for full bleed trimming and book stacking, you can increase productivity and efficiency.

The proven Watkiss SquareBack process produces a superior quality finish; and automatic set thickness sensing ensures optimum book quality to deliver added value professional booklets for you and your customers.

Key Features

- Integrated system that staples-folds-forms and trims in a single machine
- Modular design can include up to three sheet feeders
- Versatile configurations - Online/Nearline/Offline
- Dual-mode functionality for flexible online workflows including bypass facility
- Unique paper transport system gives precise control and accuracy
- JDF/JMF compatibility for streamlined machine setup and control in integrated environments
- State of the art control system including remote diagnostics for pre-emptive maintenance
- Renowned PowerSquare build quality for long term reliability and performance

Feeding

- Modular feeders including standard and high capacity options
- Precise and reliable vacuum feeders with hands-free adjustment
- Standard OMR in all feeders with optional barcode readers

Stapling

- Heavy duty maintenance free staple heads with 5,000 staple cartridges
- Adjustable staple pitch ensures the best staple position to suit the book size

Folding and Forming

- Produces square spined SquareBack™ books that lie flat, stack easily and allow printing on the spine
- Only the PowerSquare creates the square spine at the same time as folding, in order to produce a sharper, better quality finish
- Automatic adjustment for book thickness, with auto folder mode to optimise performance and speed for thin and thick booklets

Trimming

- Integrated face trimming, with optional full-bleed trimming
- Optional 2-knife trimmer for full bleed trimming of colour documents. Trimming is the last process to give a cleaner, sharper and more accurate result than pre-slitting

Stacking

- Optional book stacker with 930mm capacity enables unattended operation for extended periods

Specifications	
Production	Booklet making: dependent on the number of sheets per book, or printer capability.
Stock Sizes (input size)	200 x 200mm to 370 x 620mm including A4 landscape books. Or according to connected printer capability.
Stock Range	60 - 400gsm dependent on paper type and quality
Book Thickness	Minimum set thickness: 1 sheet (folded only), 2 sheets (makes an 8 page booklet) 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 100-150mm. Staples per cartridge: 5000
Trimming	Maximum fore-edge trim: 28mm Minimum trimmed book size: 78mm Optional 2-knife trimmer for full bleed trimming
Stacking	Output conveyor: approx. 20 books. Book Stacker (optional): 930mm