Plockmatic Group

PowerSquare™ 160
for Xerox

PowerSquare™ 160

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 Xerox, we offer an extensive range of finishing solutions.

All new.

The all NEW PowerSquare™ 160 is specifically designed to meet the growing application requirements in mid to high volume digital printing and finishing operations.

The booklet maker combines optimum book quality with robust and reliable performance. All the key processes needed to produce high quality booklets: stapling, folding, spine forming, and face trimming are combined into one compact system.

Together with Xerox's latest print technology, you can produce a wide variety of book formats - including 8.5 x 11" landscape. Booklets are enhanced with the SquareBack finish to provide the professional look and feel of a perfect bound book.

The PSQ160 takes advantage of Xerox's **long sheet printing** capability to deliver booklets in **landscape format.**

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™ 160 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.
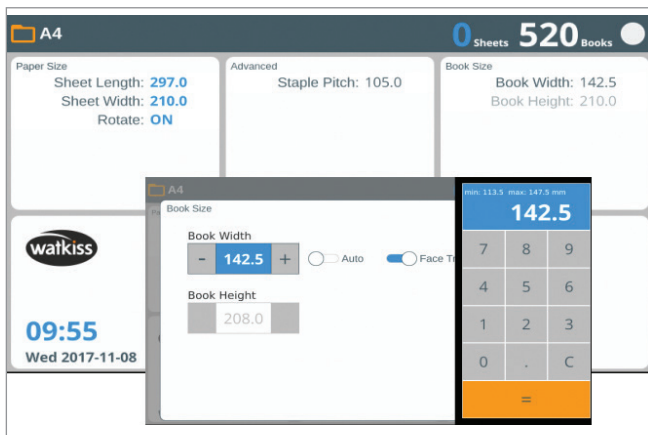
PowerSquare™ P2T 2 knife trimmer

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 color printed applications.

PowerSquare™ 160

User Interface

The PowerSquare™ 160 has a state-of-the-art control system with an interface organized as series of tiles to manage machine functions. Even inexperienced operators can get up to speed quickly. The control system also contains extensive service and diagnostic systems which can be remotely accessed for preventative maintenance, fault analysis and system monitoring. The result is higher productivity and uptime.

Monitored Paper Flow

A unique paper transport system with constant position monitoring ensures accurate and consistent paper handling. This ensures optimal sheet management and fold quality from start to finish - important when processing long sheets.
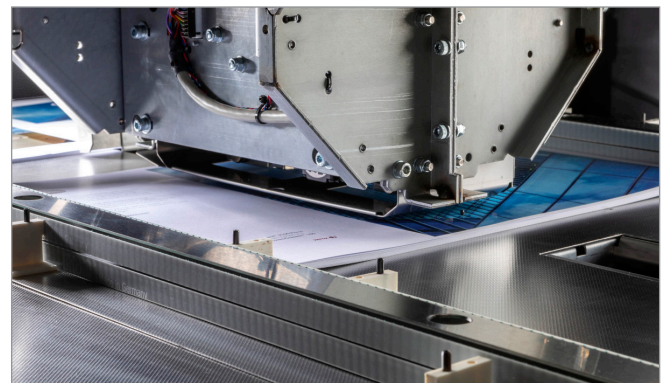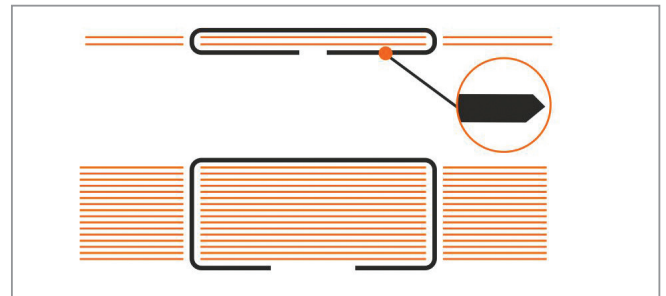

Collating station with the tumbler mechanism prepares the book for stapling and folding

Automatic **"staple-to-fold"** tracking ensures **great quality** with **consistent** and **accurate staple position** on the spine.

Optimum Quality Stapling

The PowerSquare™ 160 features a low impact stapler cartridge system. Staples are supplied in cartridges of 5000 and are easily changed in a few seconds. The cartridges feature extra high tensile steel staples to ensure perfect results on a wide range of coated and uncoated stock.

The staple pitch is automatically adjusted depending on book thickness.

Stapling Station

Technical Specifications

Inline PowerSquare™ 160

Paper Size	7.9" x 7.87" to 14.56" x 24.4"
Finished Book Size	7.9" x 3.07" to 14.56" x 12" (Min. 4.72" x 3.07" with facetrim and bleedtrim)
Stock Range	16 lb Bond to 155 lb Cover 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 - 0.157" (approx 40 sheets 20lb Bond uncoated media)
	Maximum finished book thickness - 0.32" (approx 160 pages 20 lb Bond uncoated media)
Stapling	2 low impact staple heads with moving clinchers.
	Auto-adjusting staple pitch according to sheet size, range 4.2"-5.9"
Staples per cartridge	5000
User Interface	New generation tile-based with remote diagnostic capability
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")
Compatible print engines	Versant® 80 / 180 Versant® 2100 / 3100 Press Color 800 / 800i Press Color 1000 / 1000i Press Iridesse™ Production Press

Inline PowerSquare™ 160 with 2 knife trimmer - machine footprint

// Plockmatic Group / **plockmaticgroup.com**