



Morgana PowerSquare® 7000



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Production booklet making redefined: blending unmatched durability with **versatile finishing** options, including **large format** and **landscape capabilities**



Precision and flexibility in every page

Introducing the PowerSquare® 7000, the latest development at the forefront of booklet making technology. As we approach the launch of this advanced system, we invite you to explore its capabilities designed to cater to a broad spectrum of print finishing needs with a focus on functionality, reliability, and user-friendliness.

The PowerSquare® 7000 is not just a new product; it's a direct response to the evolving needs of print production environments. With the capacity to handle a diverse range of media up to 350 gsm, and the flexibility to produce both A4 and Letter-sized booklets, this system is engineered to adapt to various applications from commercial print jobs to in-house publishing tasks.

Morgana PowerSquare® 7000

Add our **signature square folded** finish to **A4 landscape format** documents

Key Features

- **Versatile Media Handling:** Supports a wide variety of media, enabling the production of everything from thick cover materials to lightweight papers.
- **Enhanced Stitching:** Incorporates a robust stitch head for high-volume, continuous production without compromising quality.
- **Comprehensive Finishing Options:** Offers unique finishing capabilities including SquareFold, Bleed Trim, and Crease for a professional look and feel.
- **User-Friendly Interface:** Comes equipped with an intuitive color touch UI, simplifying the setup and operation of complex tasks.
- **Adaptive System:** Automatically adjusts to the book thickness, optimizing the process for different booklet sizes and ensuring consistent quality.
- **PST7000 trimmer.....**
- **Gutter Cut Option**
Now compatible with the Gutter Cut Option for efficient 2-up production, this trimmer ensures precise, clean edges for professional full-bleed finishes, trimming upto 40mm from each book end for perfectly aligned images.
- **PBS7000 PowerSquare Book Stacker (Optional)**
The PBS stacks the finished books vertically which

is extremely space efficient; and it requires very little additional floor space. 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 to give uninterrupted production.

A new standard in Booklet Making

Building on the foundation laid by the PowerSquare 224, the PowerSquare 7000 introduces enhancements that significantly increase its productivity, especially for thinner booklet sets. It also expands its capabilities with support for longer sheet sizes, enabling popular landscape booklet formats and offering optional features like the Crease station and Gutter Cut to further enhance the finished product.

Designed with the User in Mind

We've thoughtfully designed the PowerSquare 7000 to ensure it not only meets but exceeds the practical needs of its users. Whether it's the simple setup, the automatic adjustments for book thickness, or the durability that allows it to handle high monthly volumes, every feature contributes to





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Recognizing the diversity of booklet making requirements, the PowerSquare 7000 is offered with a range of optional modules and features. This allows for a tailored approach to meet specific production demands, whether it's enhanced productivity, improved finish quality, or extended unattended operation capabilities.

With configurations ranging from the most straightforward setup to those including advanced features like rotation, side trimming, and crease options, the PowerSquare 7000 is ready to evolve with your production needs. It's more than just a booklet maker; it's a comprehensive solution designed to offer flexibility and scalability.

PSQ Bridge

An optional Bridge unit for the PSQ7000 is required when the integrated PSQ crease module is fitted. The bridge aligns the sheets accurately for single or dual creases to be applied to cover sheets.

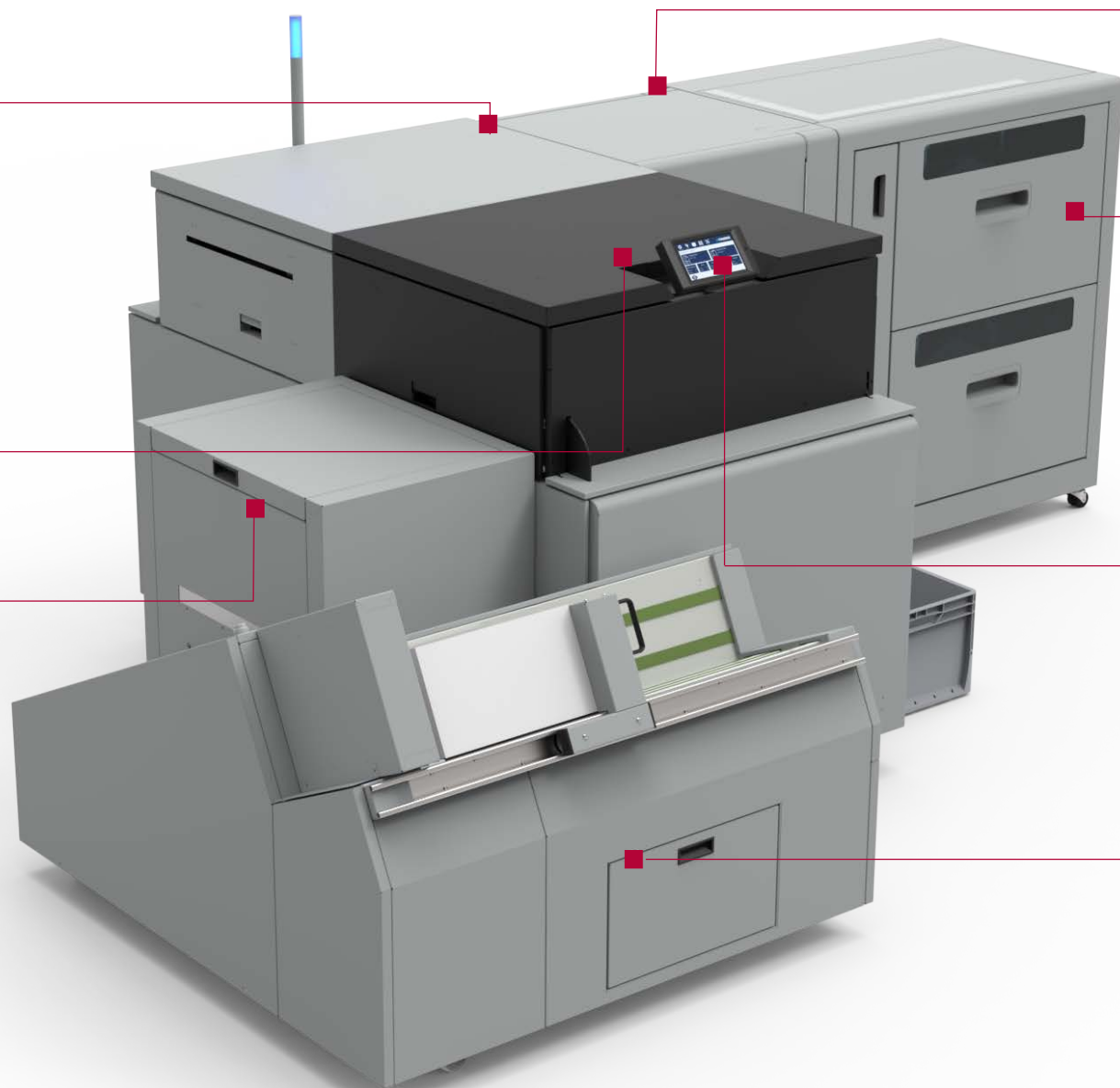
PowerSquare 7000 Main unit

This is the main unit which folds, saddle stitches, face trims and squarefolds booklets up to 224 pages (56 sheets) of 70 gsm plain paper or 240 pages of 65gsm. The PSQ7000 is packed with the latest technologies to deliver top quality output even in the most demanding

PST7000 PowerSquare Side Trimmer

The optional PowerSquare Two-Knife Trimmer 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. The trimmer can be equipped with a gutter cut option to enable efficient 2-up production of smaller format books.

Customizable to fit your needs



PSQ Uplift Module

The uplift module aligns the sheet from various input heights to the PSQ 7000 main machine

VFX High Capacity feeder

The VFX high capacity dual bin feeder gives the ability for long uninterrupted runs of booklets. The bins can be loaded on the run with pre-collated sets from multiple print engines.

Touch Screen User Interface

The PowerSquare 7000 features an intuitive color touch UI, adhering to Plockmatic Group's user-friendly interface standards. This design simplifies access to advanced features, making it easy for operators of all experience levels to utilize the booklet makers capabilities fully.

PBS7000 PowerSquare Book Stacker (Optional)

The PBS7000 delivers huge efficiency gains by allowing the system to run, unattended, for extended periods.

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Gutter cut option provides efficient **2 up production**

The Gutter Cut Option provides efficient 2-up production, this trimmer ensures precise, clean edges

for professional full-bleed finishes, trimming up to 40mm from each book end for perfectly aligned images.

This system is designed to bring advanced booklet making capabilities, offering a balance of high performance, ease of use, and adaptability ensuring that every project benefits from the highest standards of quality and efficiency.

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Morgana PowerSquare® 7000 Technical Specifications

Morgana PowerSquare® 7000	
Input paper sizes	From 200mm x 210mm to 356 x 660mm
Finished book sizes	Min: 75mm x 140mm / Max: 305 x 320mm including 10mm trim
Stock range	60gsm to 350gsm depending on media type
Maximum set thickness (folded with staples)	5,2mm (Approx. 56 sheets at 70gsm, or 52 sheets at 80gsm)
Maximum set thickness (folded without staples)	Up to 2 sheets
Face trimmer range	1mm to 28mm, adjustable in 0.1mm increments
Bleed Trimmer	Integrated in optional RCT module, slitter type
Bleed trimmer range	1mm to 40mm on each side
Creasing:	Optional crease tool (requires optional PSQ Bridge)

PowerSquare 7000 - Machine dimensions *(for illustration purpose only)*





About us

Plockmatic Group develops, manufactures and markets an extensive range of document finishing systems sold under the Plockmatic and Morgana brand names. These products work inline or offline together with the world's best digital printing systems.

We make booklets. We also mail, fold, crease, perforate and bind documents with extraordinary precision. Quite simply, we turn stacks of printed paper into the beautifully finished documents you use every day.

Plockmatic works closely with Xerox and workflow partners to ensure the easiest possible integration of the booklet making system. With new simplified programming, this makes it easy to use and allows operators of different skill levels to produce a wide range of booklets efficiently.

