



Product range
Feeding, Stacking and Finishing solutions
for Ricoh



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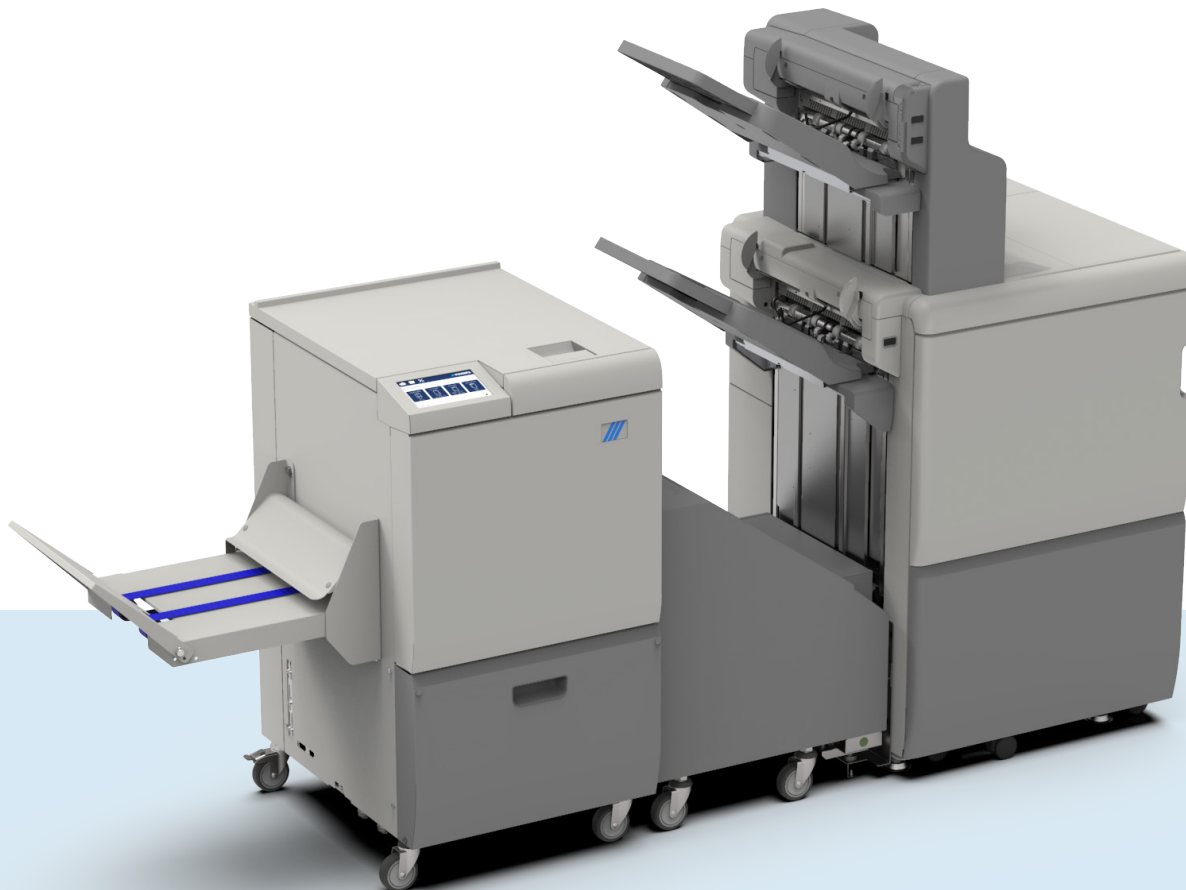
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Configurator: Plockmatic - Ricoh

Product Specifications

SBT (SquareBack™ Trimmer)

A **flexible booklet making solution**, providing the **professional booklet quality** increasingly required in the demanding **mid-production marketplace**



SBT - SquareBack™ Trimmer

The SBT (SquareBack™ and Trimmer) provides the professional booklet quality, increasingly required in the demanding mid-production marketplace. It connects seamlessly with a wide range of Ricoh's latest production printers. Together they form a flexible booklet making solution, for small-to-medium size Centralised Reprographic Departments (CRD's) and Commercial Print environments.

Face Trimming

Trims off the excess "creep" caused by folding multiple sheets to eliminate 'shingling' on the face of the finished book that can occur with multiple pages. For a professional look on booklets of more than 10 sheets (40 pages) the Trimmer is recommended. Fans help separate trimmed paper from the booklets. Automatic set-up is enabled through the Booklet maker operator interface.

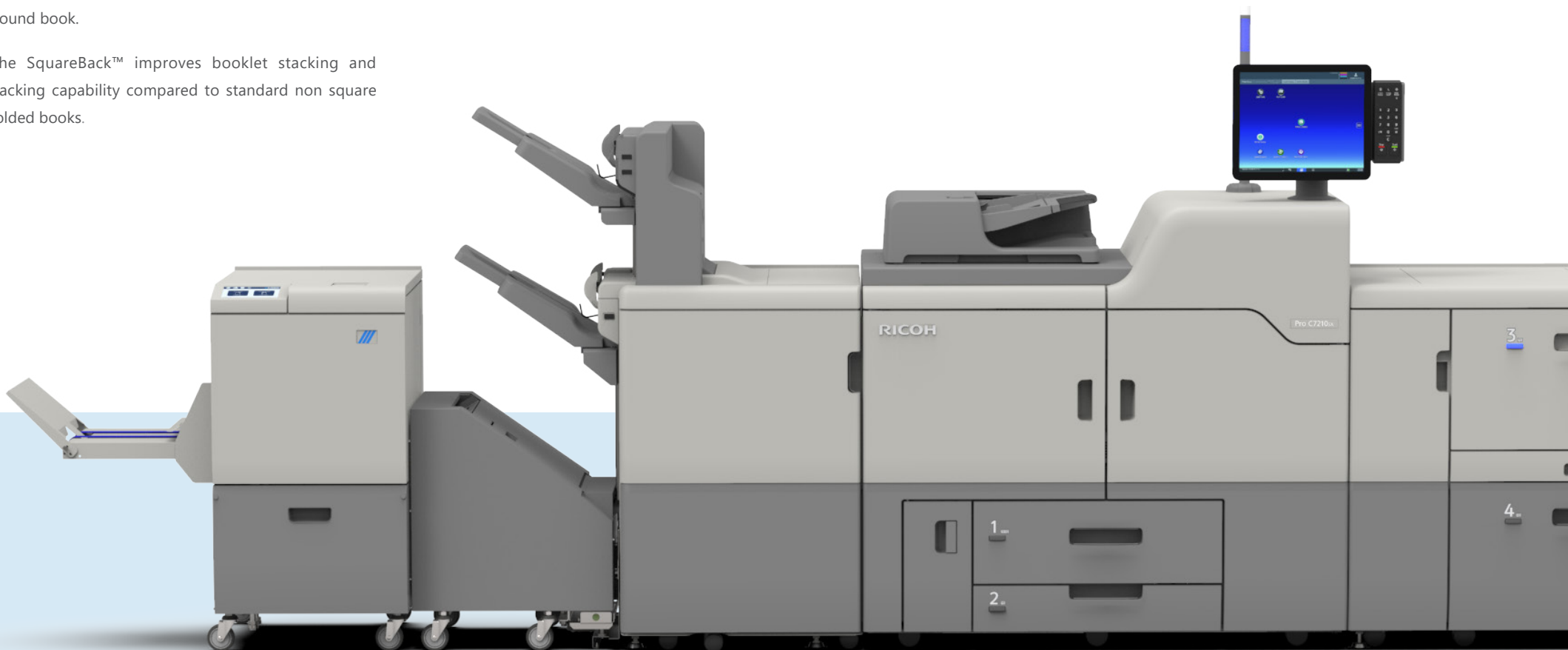
SBT (SquareBack™ Trimmer)

Achieve **professional booklets** with precise **face trimming** and **SquareBack™ spine** for enhanced quality and efficiency

The SquareBack™ Spine

Converts a conventional saddle stitched booklet into a flat square spine booklet with a look like that of a perfect bound book.

The SquareBack™ improves booklet stacking and packing capability compared to standard non square folded books.



PBM500e and PBM350e

Booklet making solutions packed with unique technologies, **delivering finished books** with **quality** to match **Ricoh** printing systems

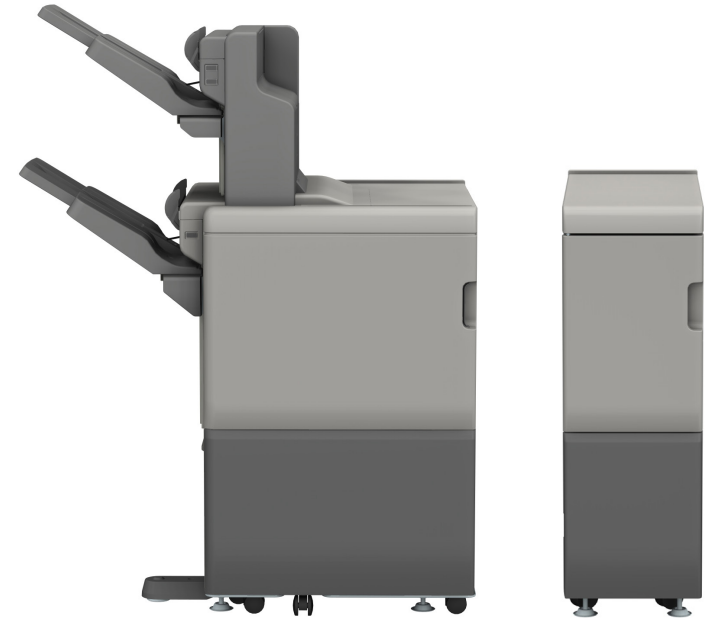
A Versatile Booklet Making System

The Plockmatic 50 and 35 sheet systems offer modular booklet-making solutions designed for both large and small print operations, including centralized reproduction departments and commercial printers.

Select from a variety of cost-effective options tailored to your specific needs. The system incorporates advanced technologies, ensuring the production of high-quality finished books, perfectly complementing Ricoh printing systems.

Enhanced Media Versatility

As digital print customers seek greater media versatility, the Plockmatic 50 and 35 sheet systems are engineered to handle today's coated, uncoated, and textured stocks, ensuring consistent, high-quality results across all materials.



Expanded Connectivity Options

Two new Ricoh modules are compatible with the latest Plockmatic PBM500e and PBM350e:

SR5110 improves flexibility with the Plockmatic booklet maker by supporting the full media range to the upper tray – this makes booklet maker docking and undocking less frequent.

BU5020 Bridge Unit acts as an interface to any upstream Ricoh module. Now, customers can choose to connect either to the Ricoh High Capacity Stacker or even to the printing system itself.

PBM500e and PBM350e

Face Trim Module (Optional)

The Face Trimmer trims the side opposite the spine eliminating the "shingle" effect that occurs with thicker booklets.

PBMe Production Booklet Makers

The 500 model can staple and fold up to 50 sheets of 80 gsm, which creates booklets of up to 200 pages. The 350 model is capable of 35 sheets creating 140 page booklets.

Hand feed capability

This standard feature allows operators to drop collated sets from other printing devices into the Booklet Maker. The printer can even be running a different job at the same time.



BookFold Module (Optional)

The BookFold module adds the finishing touch with a square folded edge and printable spine – giving booklets the professional look of a perfect bound book.

Maintenance Free Staple Heads

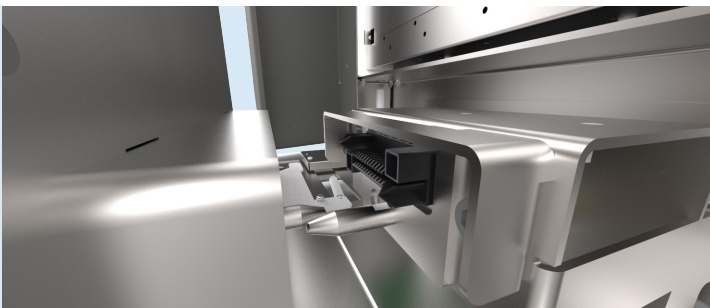
High-wear parts are integrated into the easy-to-replace staple cartridge, allowing operators to focus more on production and less on maintenance.

RCTe - Rotate Crease Trim Module (Optional)

The RCTe unit provides professional looking, full bleed trimmed and creased booklets. The rotation function maximizes productivity for small book formats.

Easy docking and undocking

A new cable-free docking connector makes it easy to dock and undock the booklet maker from the printer.



PBM450e and PBM435e

Compact booklet making system, combines **robust and reliable performance** for a range of applications

The New Landscape Booklet Maker

The PBM450e and PBM435e are flexible booklet-making solutions ideal for digital print environments with volume up to 30,000 booklets per month. They consistently produce high-quality booklets and efficiently handle longer printed sheets, enabling diverse applications such as landscape A4 booklets, increasingly demanded by users.

This integrated solution conveniently combines essential finishing functions—including folding, spine shaping, and trimming—in one user-friendly system. The new staple and fold design now supports additional finishing tasks like corner and edge stapling.



PBM450e and PBM435e

Add our **signature square folded finish** to booklets from **A6 to A4 landscape** format documents **and beyond**

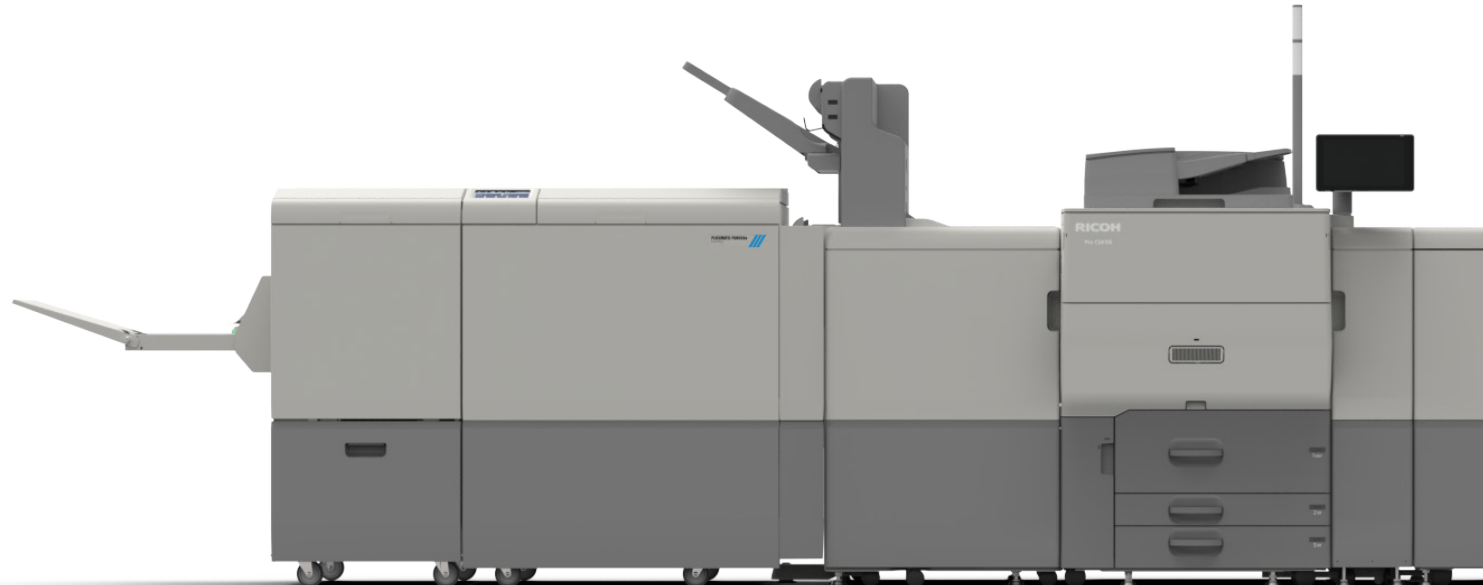
Key Features

- BookFold square spine booklets from A6 to A4 Landscape and beyond
- Corner stapled documents in portrait A4
- Edge stapled documents in portrait and landscape A4
- Up to 140 or 200-page booklet capacity
- Supports up to 660mm long sheets
- Average monthly volume of 30k booklet
- Max monthly volume of 40k booklets

50 Sheet Performance Kit

The optional 50 Sheet Performance Kit extends the booklet capacity of the PBM450e to handle up to 50 sheets of 80 gsm paper (200 pages), compared to the standard 35 sheets on the PBM435e. This increased sheet capacity enables the production of thicker, high-page-count booklets while also boosting overall processing speed of the system.

The new Plockmatic PBM450e series is the latest member of the Plockmatic Group booklet making family. With its versatile media handling and suitability for low to mid-volume production, the PBM450e series is perfectly suited for short-run applications.



PBM450e and PBM435e

Inline or Offline using the same booklet making modules

Key Features:

- Produce over 1,500 booklets per hour
- Produce over 1,200 long-sheet booklets per hour
- High-capacity vacuum feeder accommodating up to 5,400 sheets
- Reliable Plockmatic vacuum feed technology
- Adaptive fan control to precisely adjust airflow
- Advanced double-sheet detection for accurate feeding
- Two-tray configuration enables uninterrupted production by allowing paper loading during operation

Add a VFX Feeder for Flexible Inline or Offline Configuration

Increase system versatility by pairing the PBM450e and PBM435e with a Plockmatic VFX feeder. This combination allows the systems to operate either inline with a Ricoh printer or as an offline or nearline solution.

Easily start with an inline configuration and transition to offline operation later, ensuring your workflow can adapt without requiring upfront decisions on configuration.

Full bleed trimming offline with the Plockmatic RCT

For offline configurations with the Plockmatic VFX feeder, the PBM450e and PBM435e can achieve full-bleed trimming and creasing by adding a Plockmatic RCT Crease Trimmer.

While the CT XL Crease and Side Trimmer is exclusively for inline use, the RCT solution offline ensures you consistently deliver premium booklets, maximizing your finishing capabilities and customer satisfaction.



PBM450e and PBM435e

Color graphical interface

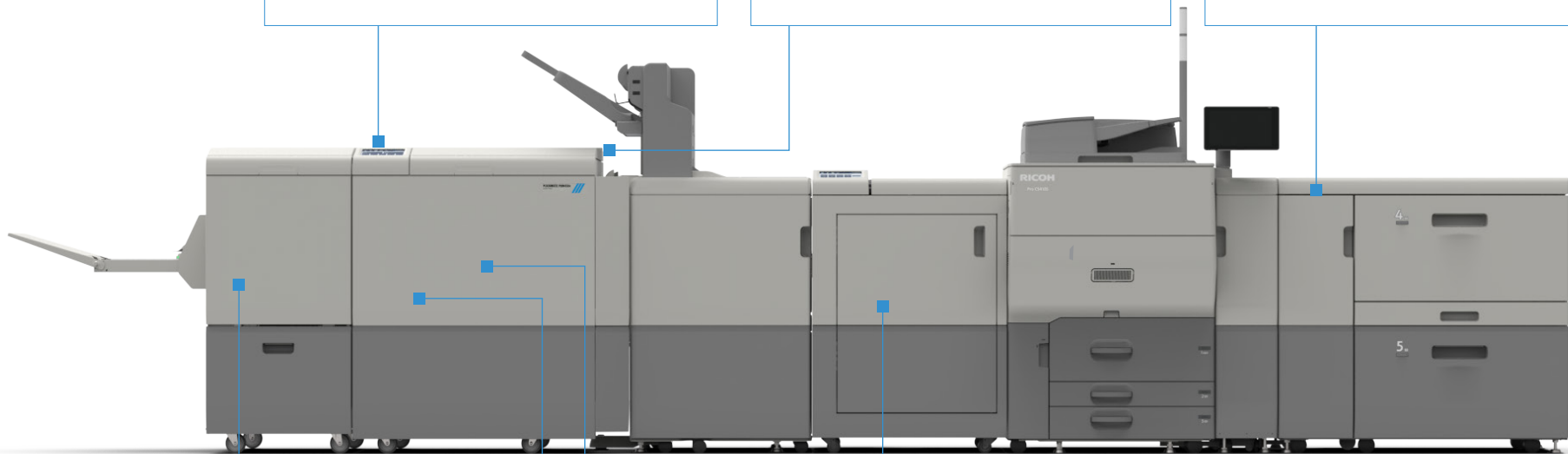
Operators are guided through job setup with detailed graphics that can provide step-by-step guidance in 11 languages. Getting professional results has never been easier.

Hand feed capability

This standard feature allows operators to easily drop complete collated sets produced on other printing systems into the Inline Booklet Maker.

Ricoh print engines

The PBM450e and PBM435e are designed to be configured with the latest generation of the Ricoh Pro C5400 Series.



Finishing module FM400e (Optional)

The optional FM400e Finishing Module includes a new face trimmer and square spine mechanism in one unit. This module is mandatory for the 50 sheet version PBM450e.

Maintenance free staple heads

High-wearing parts are built into the easy to replace staple cartridge itself. You'll spend less time worrying about maintenance and more time making great looking booklets.

CT XL Crease and Side Trimmer (Optional)

The optional CT XL Crease and Side Trimmer works seamlessly with the PBM450e and PBM435e, enabling inline production of full-bleed booklets. It also supports banner sheets up to 1260mm in length, with multiple creasing options ideal for creating multi-folded brochures.

Main Unit: The PBM450e and PBM435e

The PBM450e staples and folds up to 50 sheets of 80gsm, creating booklets of up to 200 pages. The PBM435e unit is capable of 35 sheets, creating 140 page booklets.

Improved finishing precision and electronic skew adjustment

The latest generation compiling and transport for printed sets ensures consistently precise booklets, reducing waste and reprints. Operators can easily fine-tune quality with the new electronic skew adjustments directly from the intuitive user interface, resulting in professional output every time.

PBM5000 Series

A **flexible booklet making solution** for mid-to-high production environments, providing **high-quality booklets** in a **wider range of sizes** than ever before

Professional Inline Solutions for Profitable Digital Printing

The digital print customer continues to look for new ways to produce professional looking documents with shorter run lengths, while striving to maintain or increase profitability. In this environment, professional, cost-effective inline solutions are a critical success factor.

With the latest generation Ricoh production printing systems available to handle larger cut-sheet sizes, landscape letter and oversize booklets can now be produced easily and cost-effectively. The new PBM5000 Series delivers these new applications by handling up to 620mm long sheets.



PBM5000 Series

Create **landscape** and **oversize booklets**, printed 2-up on the sheet with PBM5000 booklet maker

Staple or Stitch Production

The PBM5000 is available in two versions

PBM5050 and PBM5035:

Two maintenance free staple heads

PBM5050s and PBM5035s:

Supports up to four stitching heads, allowing for the creation of corner and edge-stapled sets. Additionally, it reduces the cost per print by enabling 2-up printing of smaller sizes.

Customers can further tailor their system to finish an even wider variety of two up booklet sizes.

Built for More Formats

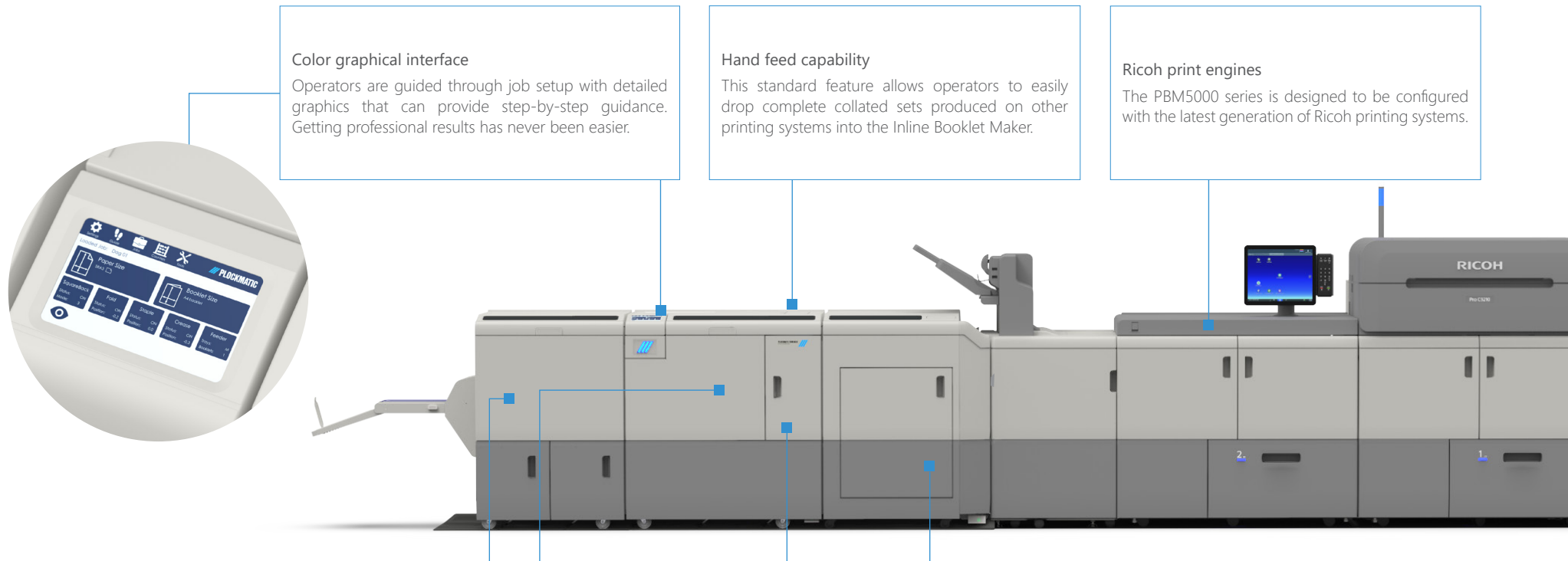
Digital presses now offer the ability to produce more documents in a wider range of formats, but print operators face the challenge of handling more jobs with shorter run lengths while staying profitable. Professional, cost-effective, and versatile inline solutions are essential for success.

The Ricoh production printing systems support larger cut-sheet sizes. The integration of the new PBM5000 series enables production of landscape and oversize booklet formats – without the need for expensive and complex equipment. This combination offers a streamlined and affordable solution, enhancing productivity and profitability.

The Plockmatic PBM5000 series is engineered for mid-to-high volume customers with the highest quality and functionality requirements.



PBM5000 Series



Color graphical interface

Operators are guided through job setup with detailed graphics that can provide step-by-step guidance. Getting professional results has never been easier.

Hand feed capability

This standard feature allows operators to easily drop complete collated sets produced on other printing systems into the Inline Booklet Maker.

Ricoh print engines

The PBM5000 series is designed to be configured with the latest generation of Ricoh printing systems.

Finishing module - Now standard

The Finishing module now places both Squarefolding and Face Trim capabilities in one single module - and is standard. It adds the finishing touch with a square folded edge and printable spine. Give booklets the professional look of a perfect bound book.

Staple and Stitch options

The Booklet Maker is available with either two staples heads or up to four ISP stitching heads.

Main Unit: Production Booklet Maker

The PBM5050/5050s staples and folds up to 50 sheets of 80gsm, creating booklets of up to 200 pages. The PBM5035/5035s unit is capable of 35 sheets, creating 140 page booklets.

Convenience Feeder (Optional)

A new optional Convenience Feeder is available with a capacity of up to 800 sheets. It can either feed pre-printed covers or turn collated, pre-printed sets into booklets while the printer runs another job. Gets the most out of your Ricoh system.

RCT module (Optional)

The PBM5000 series can be enhanced with the latest generation RCT for sheet rotation, creasing and side slitting. It creates bleed trimmed booklets "on the fly" eliminating the need for a guillotine prior to production. Covers can be creased to avoid cracking of toner on the spine.

VFX feeder

A **versatile setup** that enables **transitions between inline and offline** configurations, **adapting to changing workflow** needs



Key Features:

- Up to 5400 sheet high capacity vacuum feeder
- Plockmatic vacuum feed technology
- Adaptive fan control adjusts air flow
- Advanced double sheet detection
- Two tray configuration allows for loading paper during jobs for uninterrupted production
- Enhanced performance on difficult curled media

Enhanced Flexibility

Adding a VFX feeder to the inline configuration enables incredible versatility. The PBM5000 can be installed not only inline with a Ricoh printer but also with a Plockmatic VFX feeder for an Offline or Nearline setup. This versatility is possible because it uses the same core feeder technology as the LCT3500.

The flexible system adapts to evolving business needs by enabling the transition from an inline configuration to an offline setup, if the workflow changes. This eliminates the need to choose between inline or offline solutions in advance.



PowerSquare™ 224

Discover an **all-in-one bookmaking system** that stitches, folds, forms spines, and trims **SquareBack™ books** up to **224 pages** – perfect for **high-production environments**.

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, making it suitable for demanding handfed applications. Together with the optional P2T Full Bleed Trimming module, it enables you to increase productivity and efficiency. Combines seamlessly with Ricoh's latest print technology, producing 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 up to **224 pages thick booklets** finished with the unrivaled **SquareBack™** finish



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 stitchleg length for varying book thickness.

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 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, giving you uninterrupted, efficient book production.

Two-Knife Trimmer (P2T)

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.



LCT XL

A cost-effective **feeding solution** that integrates seamlessly with selected **Ricoh** production printing systems, **increasing productivity** with **long-sheet feeding** up to **700mm**

Perfect For Mid-Production Printers

Mid-production printers now empower users to produce longer sheets with precise front-to-back duplex printing, driving a faster shift from offset to digital printing for key applications. Previously, feeding solutions for these long sheets posed a challenge in the mid-production market.

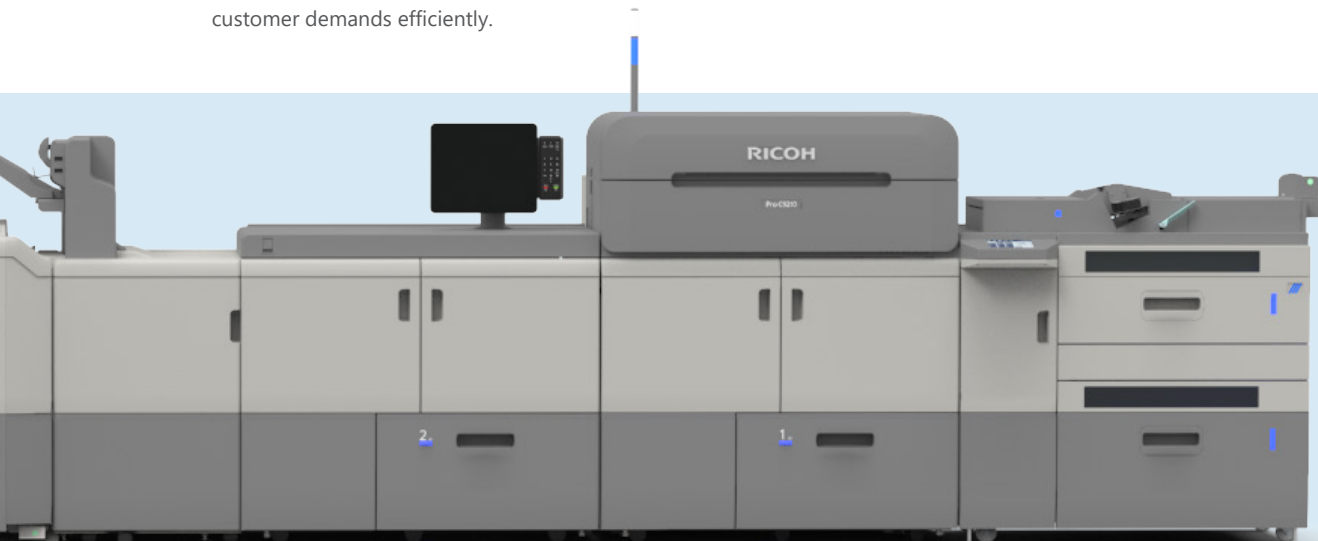
The Large Capacity Tray (LCT XL) solves this by providing a practical, cost-effective feeding solution that integrates seamlessly with selected Ricoh printers. Directly connected to the print engine, it feeds sheets up to 700mm on various stock types, handling weights up to 400gsm through its two vacuum trays. This addition enhances productivity and expands versatility in mid-production environments, meeting customer demands efficiently.

Long Sheet Module – LSM XL (optional)

The optional Long Sheet Module (LSM XL) enhances productivity by allowing sheets up to 1260mm to be fed through, enabling the creation of trifold or gatefold applications with ease.

The module seamlessly integrates with the LCT XL, providing a third pick point for longer sheets. Its advanced air-assisted, friction-feed hybrid technology efficiently handles sheets up to 400gsm, accommodating both coated and uncoated stock.

The LSM XL also features an LED indicator, informing operators about activity, paper levels, and any tray errors, ensuring smooth and uninterrupted operation.



Key Features

- **Connects directly** to the Ricoh press
- **Two vacuum trays** feeding sheets up to 700mm long.
Total load capacity: up to 3500 sheets
- **With the LSM XL** addition (optional):
Feeds sheets up to 1260mm in length on stock up to 400gsm
Total load capacity: up to 700 sheets

LCT XL

Automatic sheet size detection

Each tray features sensor arrays that automatically detect standard sheet sizes. The operator simply loads the sheets, and the LCT XL instantly identifies the size.

Advanced Double Feed Detection

Each tray includes an Ultra Sonic double feed detection system that ensures the unit accurately detects double feeds on very heavy, special, or metallic media fed from the tray.

Automatic fan control

Each tray is equipped with a sensor array that detects the number of sheets separated from the stack before feeding. The system then uses this information to automatically adjust the airflow in each tray.

Paper tray Indicator

Each tray features blue LED bars that indicate the remaining paper, allowing the operator to easily see when it's time to add more.



Color User Interface

The LCT XL includes its own User Interface, but standard operation can be fully controlled through the printer's interface. The UI allows saving specific feeder settings for various media in the LCT XL's media library, making them easy to load when needed.

For advanced setup, operators can use the LCT XL's UI to individually control fans, ensuring consistent feeding of challenging media. These customized settings can also be stored in the media library for future use.

HCI3500 - High Capacity Interposer

Eliminate hand feeding and insert a wider range of media types and sizes into a job with **Vacuum Fed technology**

Feeds the Widest Range

The Plockmatic HCI3500 is a high capacity interposer for Ricoh production printers. The module is capable of efficiently feeding a wide range of paper types and weights at the print engine's rated speed. It's equipped with a highly automated vacuum feed technology specifically designed to handle the widest range of pre-printed media.

Maximum productivity is achieved through Automatic Tray Switching, which enables long unattended runs and the loading of empty trays during a run. The HCI3500 attaches inline and is compatible with multiple Ricoh printers and downstream modules.

Perfect Complement to Ricoh

The HCI3500 will expand the media handling range of Ricoh printing systems and complements the existing Ricoh inserter offer, the Ricoh Cover Interposer CI5030, which is an entry level interposer that allows feeding of preprinted covers/media from offline processes.

The HCI3500 can reliably feed media up to 350gsm and is available for the Pro 8200, Pro 8300, Pro 8400 B/W engines and for the Pro C5300, Pro C7500 and Pro C9500 color engines.

Seamless Workflow

Maximum productivity is achieved through Automatic Tray Switching, which enables long unattended runs and the loading of empty trays during a run. The HCI3500 attaches inline and is compatible with multiple Ricoh printers and downstream modules.

This means that offline pre-printed media of varying types and formats can be integrated into the workflow. Ultimately, this results in the elimination of hand feeding covers and inserts into the finishing process.



HCI3500 - High Capacity Interposer

Key Features

- 3500 sheet High Capacity Interposer
- Utilises proven vacuum feed and paper feed monitoring technology
- 7" color touch screen with intuitive user interface
- Two tray configuration allows for loading paper during jobs /continuous production
- Complements Ricoh printing systems by providing functionality that automates media insertion into the finishing process

Custom Sequencing from Three Sources

The HCI3500 contains two paper trays and a paper bypass route, which allows for custom sequencing of sheets from three different sources (the two trays and the printer output).

Each tray has a capacity of 1750 sheets at 80gsm for a total machine capacity of 3500 sheets. Each tray also has a paper status LED which allows the operator to monitor job status from a distance.



CT XL Crease Trimmer Module

The Plockmatic CT XL delivers the benefits of **two functions** in one – both **side trim** and **crease**

Enables new applications

The CT XL unit trims the top and bottom edges of sheets while also creasing them, enabling the production of full-bleed, creased booklets with the Ricoh Booklet Maker finisher SR5120.

The side trim slitting design, based on the proven RCT module from the Plockmatic PBM350 system, now features a new registration process for long sheets up to 1260mm.

The creasing function enhances booklet appearance by minimizing toner cracking on the spine and improving folds on thicker stock, expanding the range of applications for Ricoh printing systems.

Side Trimming of Long Sheets

The CT XL can trim the side edges of sheet sizes up to 1260mm long. This can overcome some of the challenges faced by small print shops who may only have a guillotine able to process sheets up to 500mm.

The CT XL enables new super long sheet applications to be created, an example of which is extra long Ceiling Banners.



CT XL Crease Trimmer Module

Key Features

- **Side Trim sheets** for full bleed booklet production in the Ricoh SR5120 Booklet Finisher
- **Crease sheets** to avoid image cracking or toner flaking on heavier media
- **Side Trim sheets up to 1260mm** long for new banner full bleed applications
- **Up to 3 crease lines** in the sheets enables new long sheet folding applications
- **Full Bleed finish** enhances the value of the finished book

Creased Sheets up to 1260mm Long

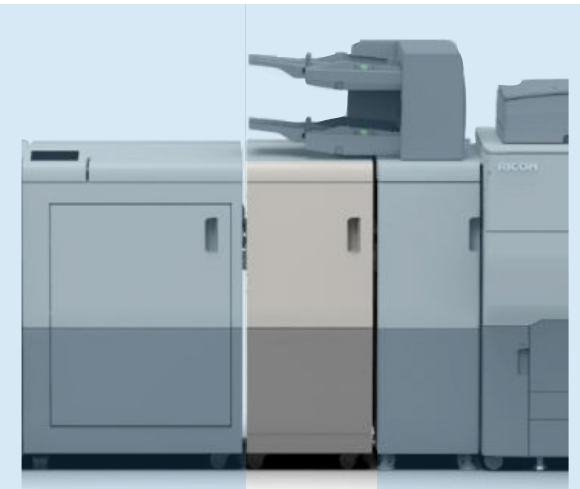
Creased Sheets will be delivered to the SR5110/SR5210 shift tray or to the Plockmatic long sheet stacker MPS XL where the operator can easily fold the application along the crease lines or finish the job in an offline fold unit that lacks the crease feature.

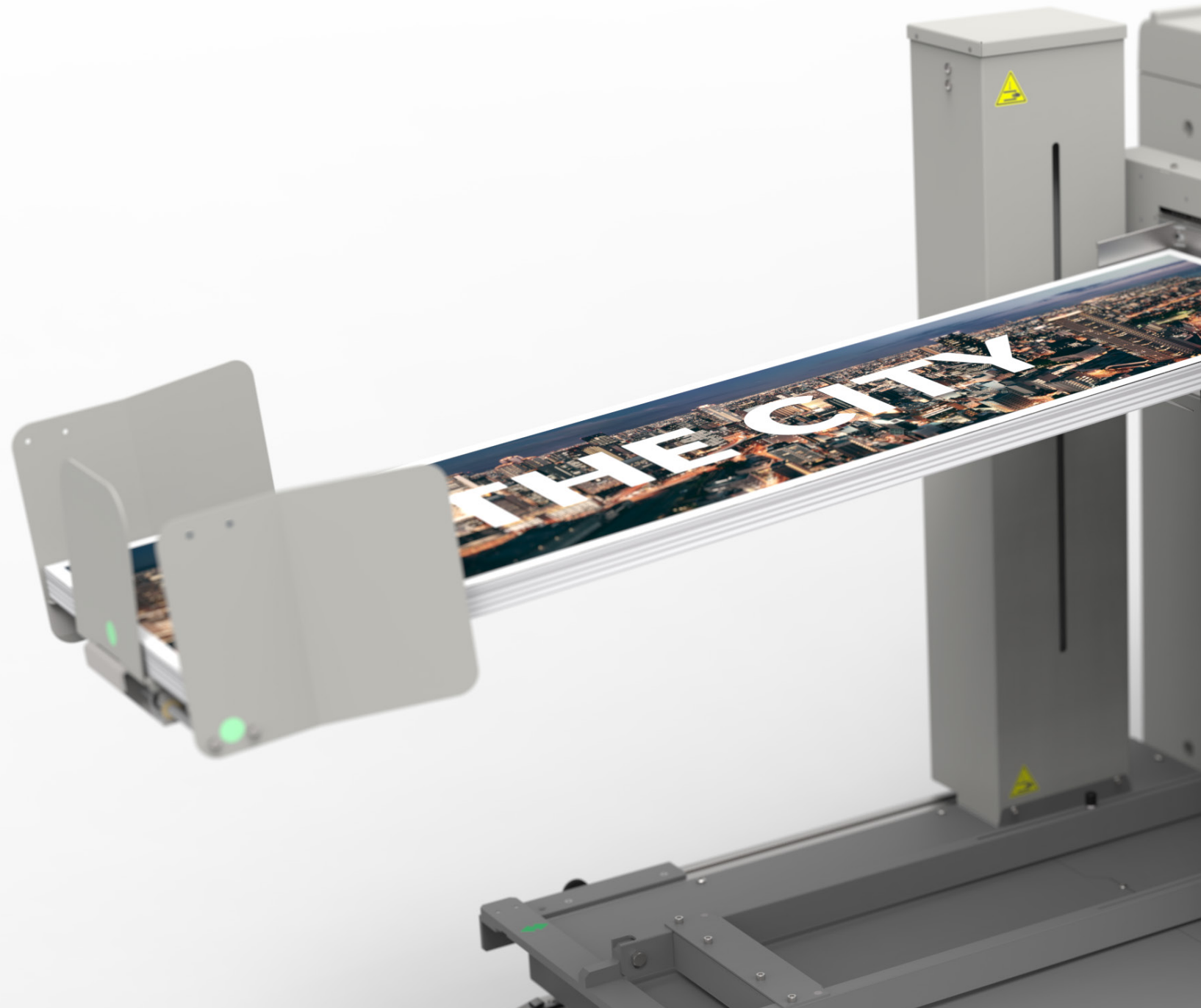
Multi Crease Patterns

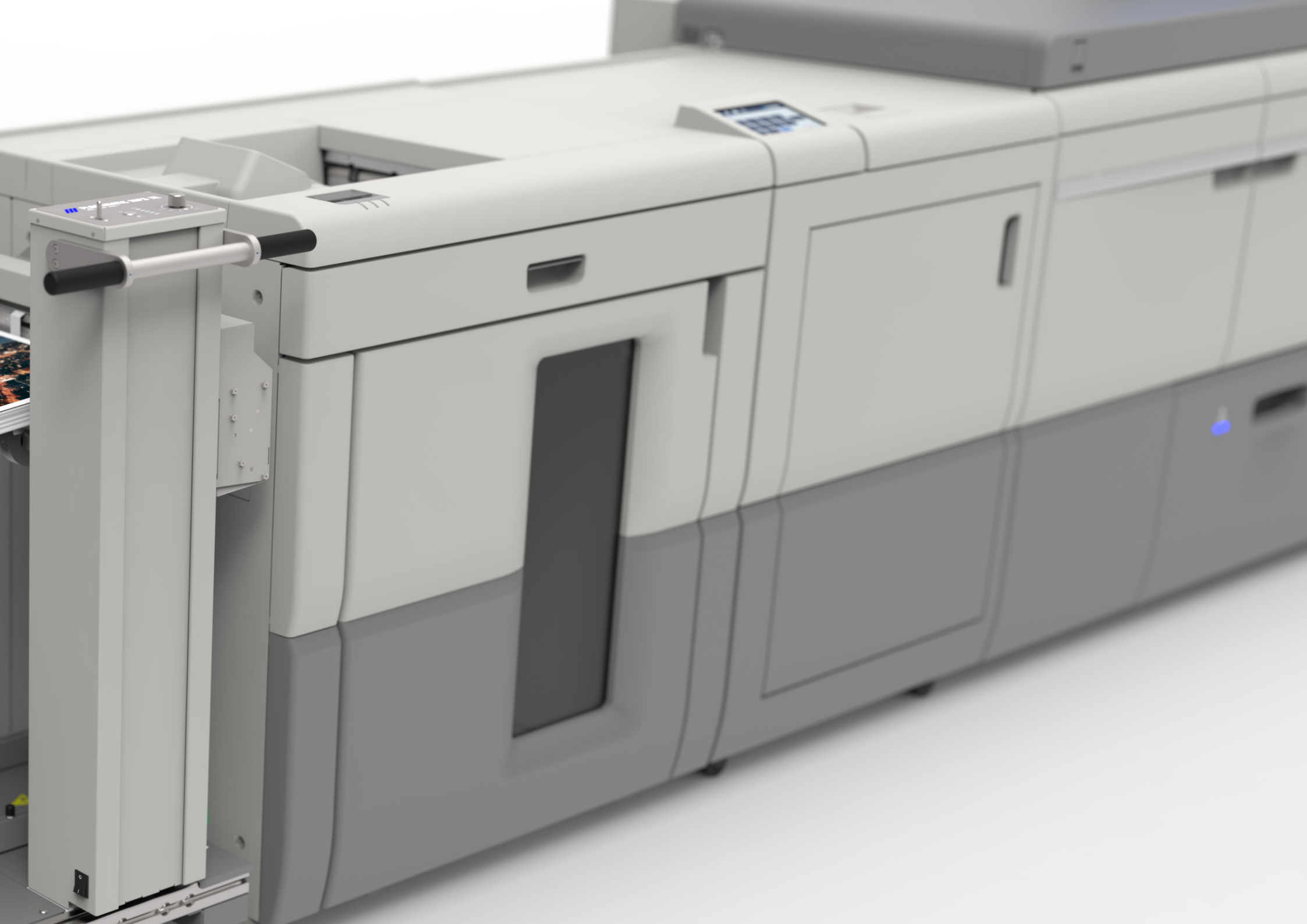
The CT XL can also put up to 3 crease lines in to the sheets. This enables new Long Sheet fold applications. Nine standard crease patterns plus custom crease pattern are available.

Optional CT XL Bridge

When the CT XL is combined in a configuration sitting right after the Ricoh Interposer the bridge module is mandatory. If the Ricoh interposer is not included this option will be skipped.







MPS XL

Optimize workflow and increase productivity with The MPS XL Multi-Purpose Stacker: a flexible, cost-effective stacking solution

Stack, Lift and Transport

The Plockmatic MPS XL Multi Purpose Stacker offers a flexible and cost-effective stacking solution. Its simple docking and undocking system allows for easy transportation, while the motorized stacking table effortlessly lifts and moves long sheets just as easily as standard sizes. It combines stacking, lifting, and transportation into one convenient product.

Seamless Production

Maximize versatility by combining the Plockmatic Booklet Maker system with an MPS XL in the same configuration. Create professional booklets with the Plockmatic Booklet Maker, then easily undock it and roll in the MPS XL to stack sheets. This setup allows you to efficiently switch between booklet making and sheet stacking, optimizing your workflow and increasing productivity.

Optimizing Production Workflow

The MPS XL provides the link between the printer and the finishing device, enabling digital print providers to turn oversized sheets into profitable applications.

Unlike conventional stackers, the MPS XL handles true production quantities and supports thicker paper stock up to 500gsm, with easy transfer to other finishing devices.



MPS XL

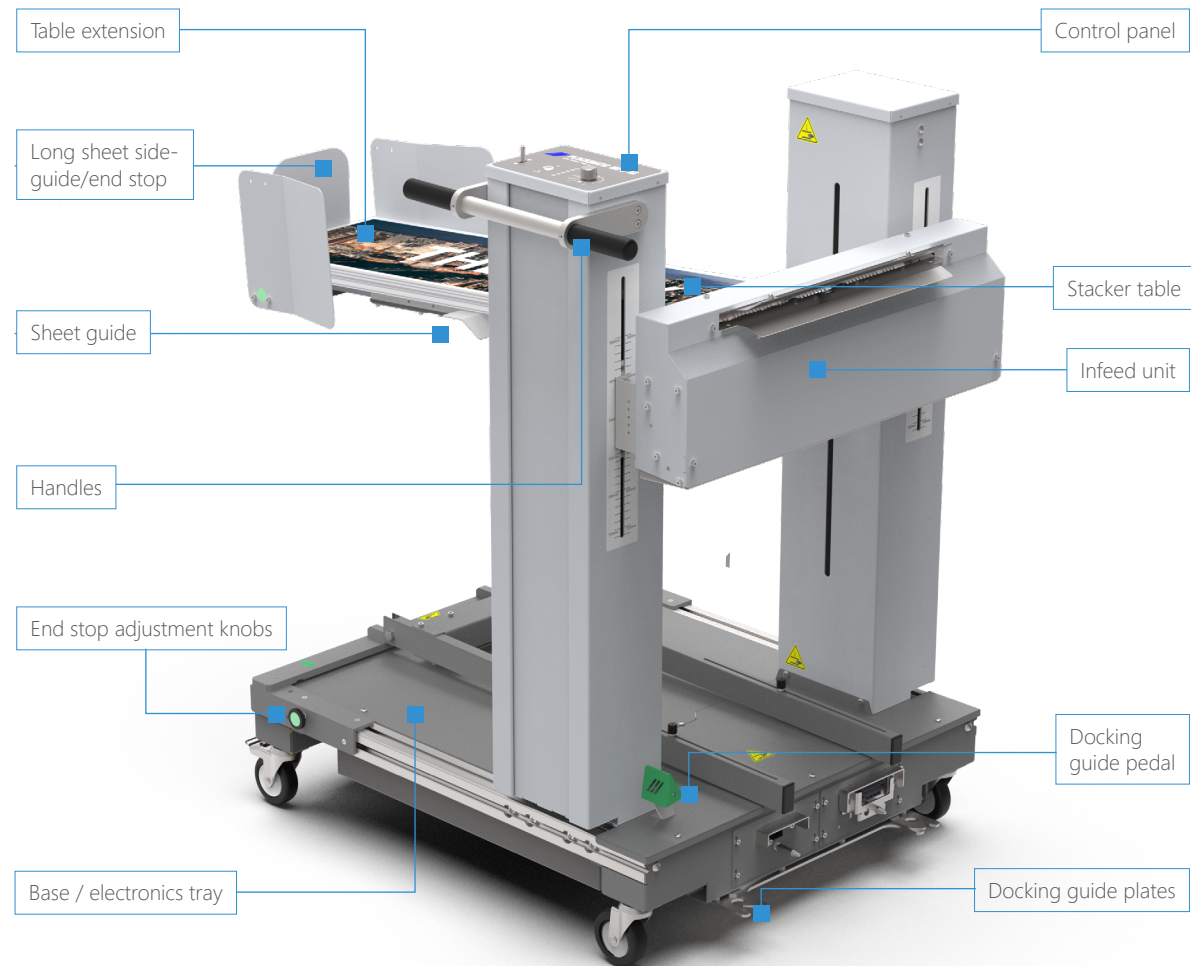
Discover a unique combination of **stacking, lifting, and transportation** – all in one single product

Key Benefits

- Stacking and handling during the finishing process
- Simplifies handling of longer sheets for operators
- Enables easy transportation of paper

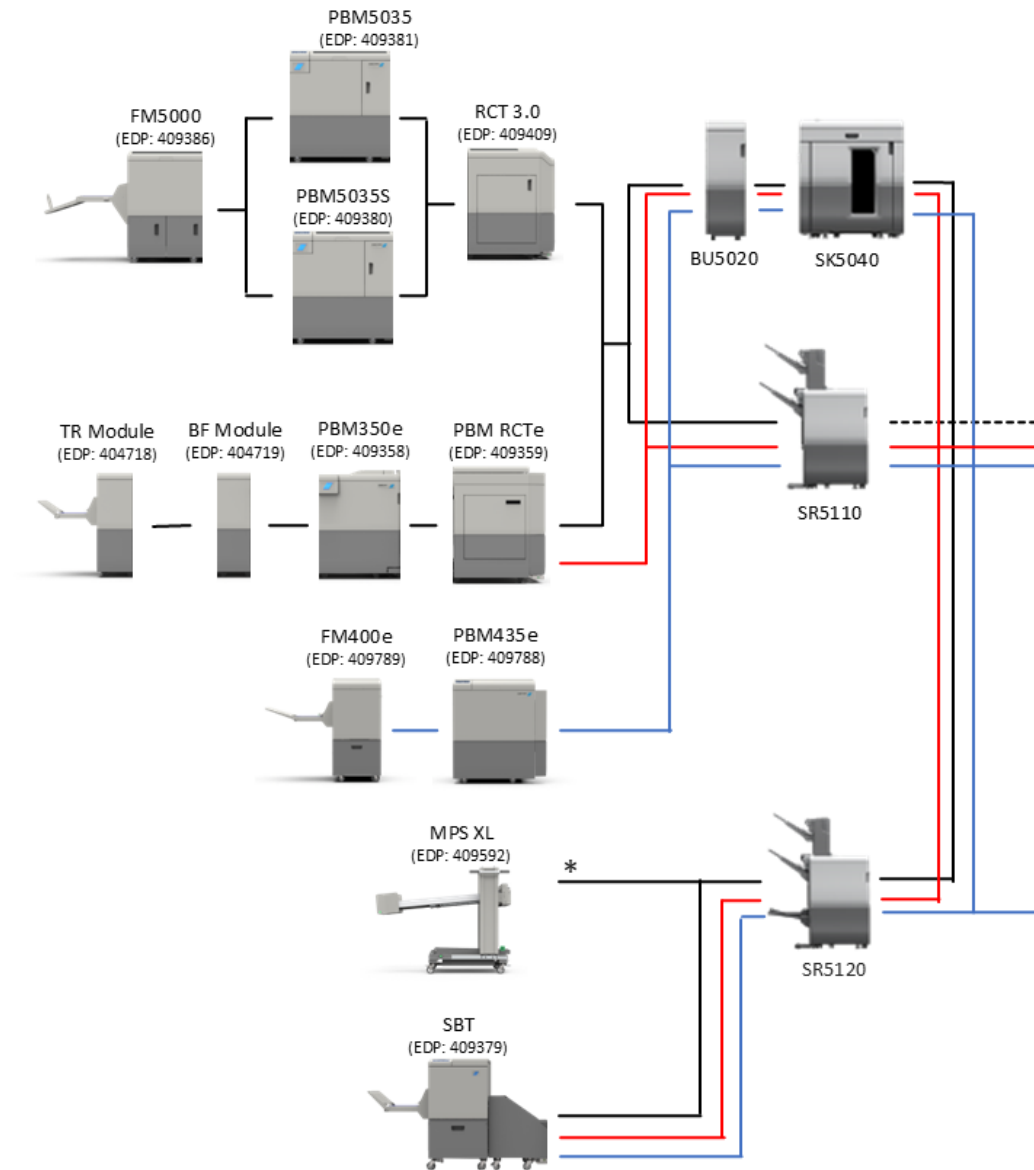
Key Features

- **Capable of stacking a wide range of media:**
From 210mm x 210mm to 385mm x 1300mm
(maximum sheet size is set by the print engine)
- **Rated for a maximum load of 40kg**
- **Maximum stack height sheet capacity:**
Sheets under 715mm long: **up to 330mm**
Sheets 715mm or longer: **140mm**
- **Motorized stacking table**
allows lifting of heavy paper stacks to desired height
- **Simple spring-loaded docking mechanism**
allow for frequent docking/undocking and easy transportation of paper
- **Integration with print engine**
allows operator to pause and resume printing using the MPS XL user interface

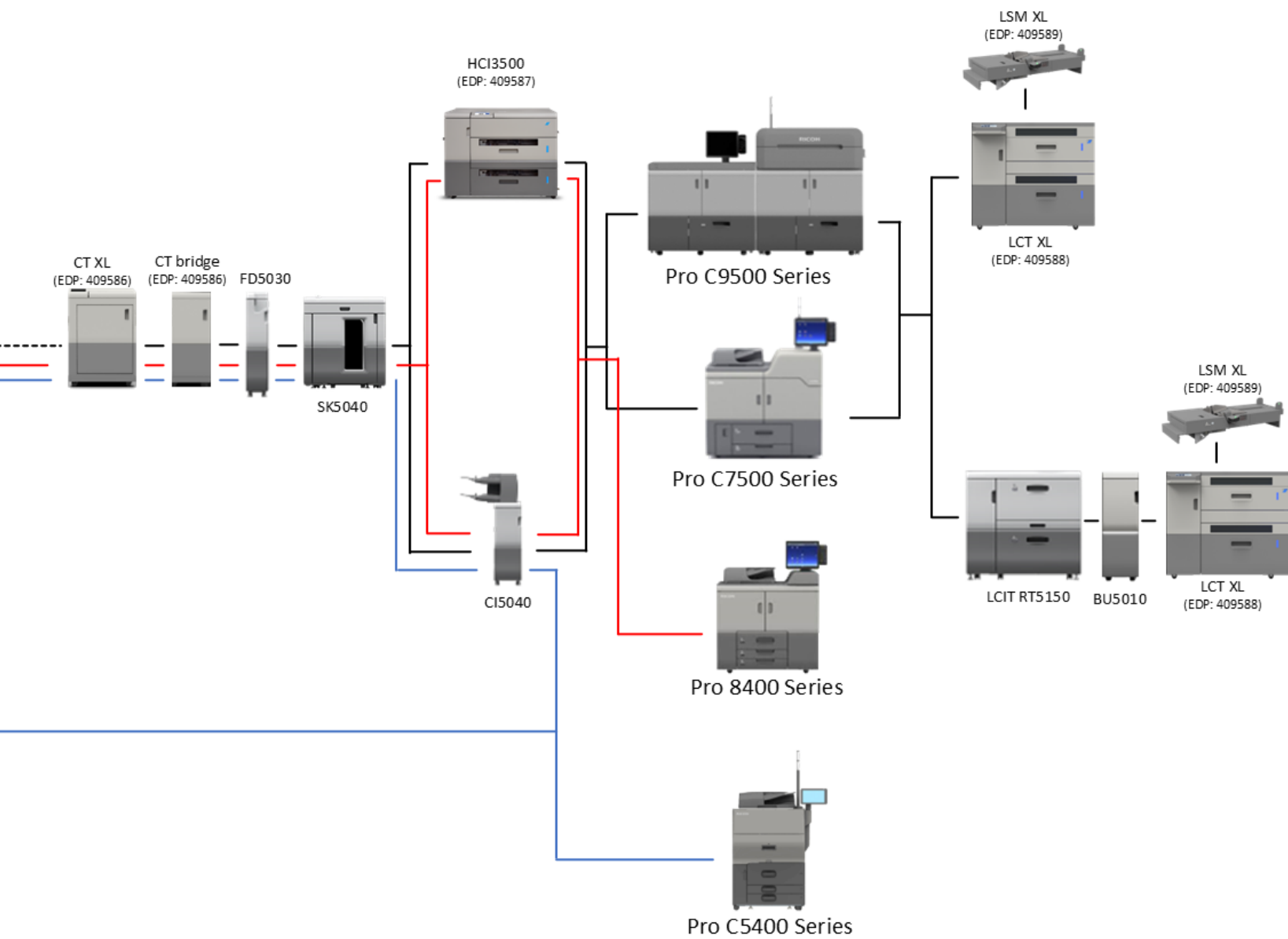


Plockmatic - Ricoh Configurator

This **configurator** illustrates the **options** available to **compliment** your **document finishing requirements**



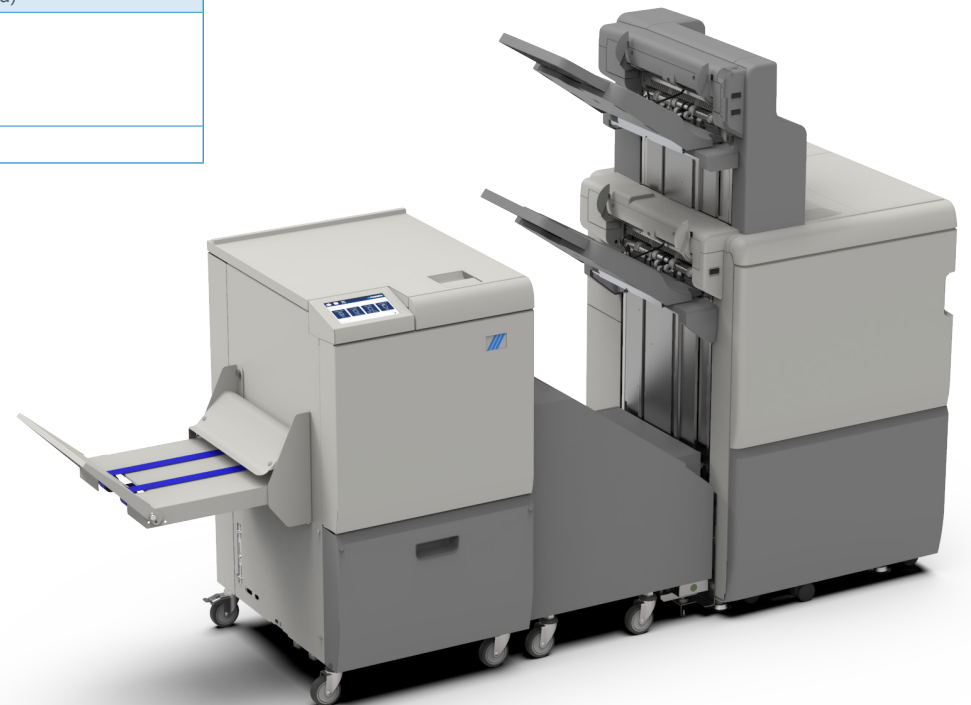
* SBT mandatory for MPS XL to connect to the SR5120



Product Specifications

SBT SquareBack Trimmer

SBT	
Incoming Book (Min.)	180mm x 128.5mm
Incoming Book (Max.)	320mm x 243.9mm
Outgoing Book (Min.)	182mm x 100mm
Face trimming (Min.)	1mm
Face trimming (Max.)	210mm
Side trim (Max.)	24mm
Set thickness: Side trimming mode (Max.)	9 sheets 80gsm
Set thickness: Hand Feed mode (Max.)	20 sheets 80gsm
Set thickness in Inline mode (Max.)	30 sheets 80gsm
Paper Weight (Min.)	64gsm uncoated, 100gsm coated
Paper Weight (Max.)	300gsm (350gsm supported on some media)
Compatible Print Engines	Ricoh Pro™ C5300 Series Ricoh Pro™ C7500 Series Ricoh Pro™ C9500 Series Ricoh Pro™ 8400 Series
Interface	Ricoh SR5120



PBM500e / 350e

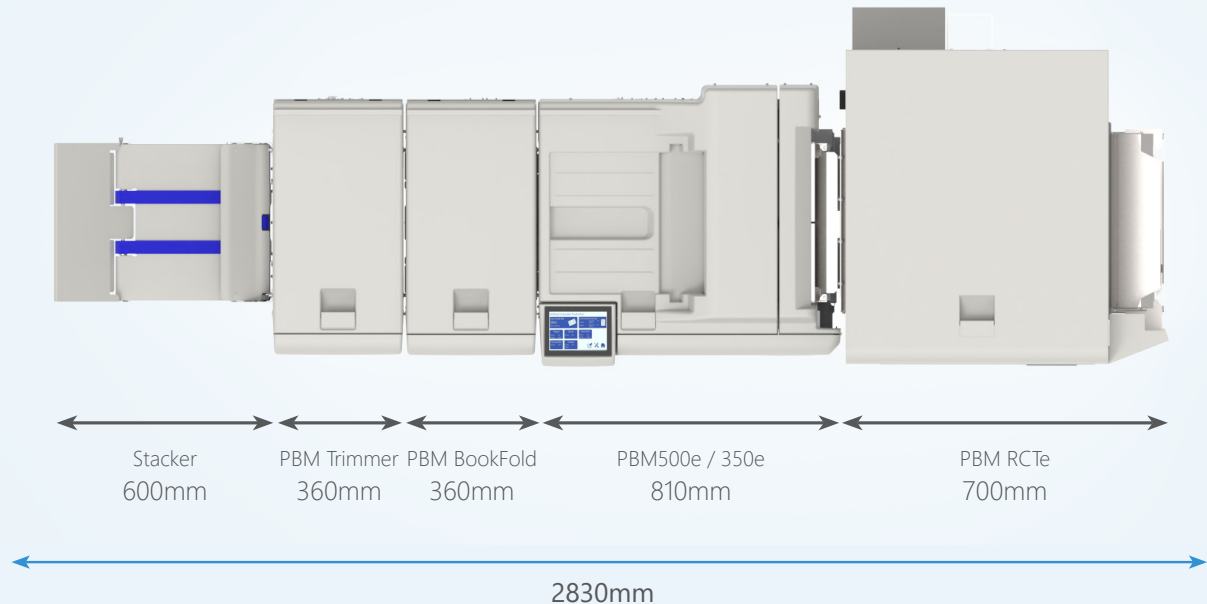
PBM500e / 350e - System	
Paper Size	206mm x 275mm to 320mm x 457.2mm
Stock Range	64 to 350gsm dependent on paper type and quality
Finished Book Thickness (Min.)	1 sheet 80gsm (when folded makes a 4 page leaflet)
Finished Book Thickness (Max.)	PBM500e: Approx. 50 sheets 80gsm PBM350e: Approx. 35 sheets 80gsm
Stapling	2 low impact staple heads with active clinchers
Staples per cartridge	5.000

PBM500e / 350e - Slitting and Cutting	
Side Trimming (Slitting)	From 5mm to 30mm on each side
Face Trimming	From 1mm to 25mm Face trimmer supports "multi-cut" operation, allowing booklets cut down to 105mm long from larger sheet sizes.

PBM500e / 350e - Cover Feeder	
Stock Range	64 to 250gsm
Loading Capacity	20mm (approx. 200 sheets of 80gsm)

Connectivity	
Ricoh Print Engine Family	Ricoh Pro™ C5300 Series Ricoh Pro™ C7500 Series Ricoh Pro™ C9500 Series
Interfaces	Ricoh BU5020 Ricoh SR5110

PBM500e / 350e Series - Machine footprint



PBM450e / 435e

PBM450e / 435e - Inline Configuration

Paper sizes	From 145mm x 210mm to 320 x 660mm (330 x 660mm with optional CT XL)
Finished book sizes	From 145 x 99mm to 320 x 330
Stock range	64gsm to 350gsm depending on media type
Book thickness (folded with staples)	PBM450e: 2-50 sheets, PBM435e: 2-35 sheets (80gsm)
Book thickness (folded without staples)	Up to 2 sheets
Face trimmer range	2 to 231mm
Bleed Trimmer Inline	Integrated in optional CT XL module, slitter type

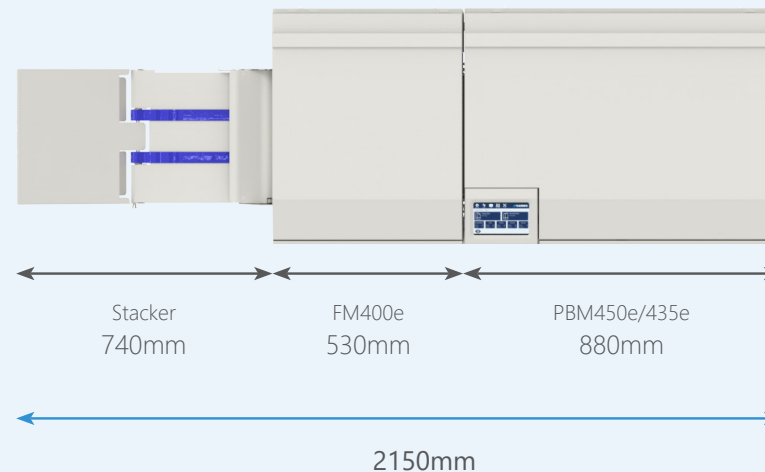
PBM450e / 435e - Offline Configuration

Paper sizes	From 145mm x 210mm to 320 x 660mm (330 x 620mm with optional RCT)
Finished book sizes	From 145 x 99mm to 320 x 330 (320 x 310 with optional RCT)
Stock range	64gsm to 350gsm depending on media type
Book thickness (folded with staples)	PBM450e: 2-50 sheets, PBM435e: 2-35 sheets (80gsm)
Book thickness (folded without staples)	Up to 2 sheets
Face trimmer range	2 to 231mm
Bleed Trimmer Offline	Integrated in optional RCT module, slitter type

Connectivity

Ricoh Print Engine Family	Ricoh Pro™ C5400 Series
Interfaces	Ricoh SR5110 Ricoh BU5020
Offline feeders	Plockmatic VFX

PBM450e / 435e - Machine footprint



PBM5050 / 5035

PBM5050 / PBM5035 - Staple version

Paper Size	Min: 206mm x 210mm Max: 320mm x 620mm
Stock Range	65 to 350gsm dependent on paper type and quality
Finished Book Thickness (Min.)	1 sheet 80gsm (when folded makes a 4 page leaflet)
Finished Book Thickness (Max.)	Approx. 35 - 50 sheets 80gsm For paper sizes narrower than 148.5mm: 30 sheets 80gsm plain paper or 3.0mm
Stapling	2 low impact staple heads with active clinchers
Staples per cartridge	5,000

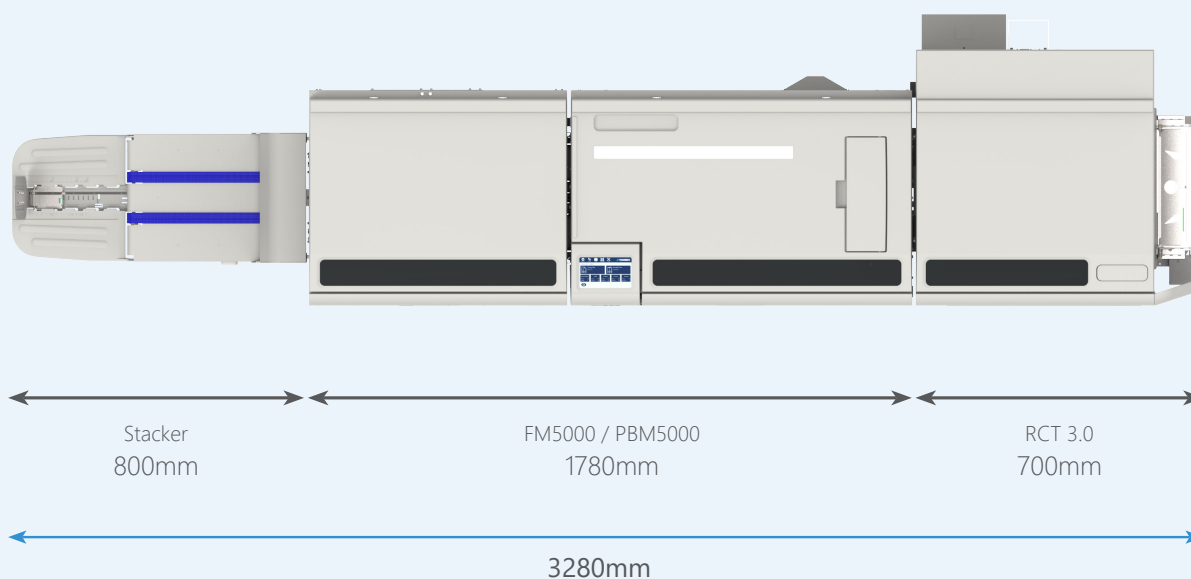
PBM5050S / PBM5035S - Stitch version

Paper Size (Min.)	120mm x 210mm (if bypassed through RCT), or cut 148.5mm x 210mm
Paper Size (Max.)	320mm x 620mm
Stock Range	65 to 350gsm dependent on paper type and quality
Finished Book Thickness (Min.)	1 sheet 80gsm (when folded makes a 4 page leaflet)
Finished Book Thickness (Max.)	With 2 stitch heads: Approx. 35 or 50 sheets at 80gsm With 4 stitch heads: Approx. 30 sheets at 80gsm
Stitching	2 - 4 ISP Stitch heads

Connectivity

Ricoh Print Engine Family	Ricoh Pro™ C7500 Series Ricoh Pro™ C9500 Series
Interfaces	Ricoh BU5020 Ricoh SR5110

PBM5000 Series - Machine footprint



VFX High Capacity Feeder	
Paper sizes	120mm x 210mm to 355mm x 660mm
Stock range	64 to 350gsm, depending on media type and quality
Supported media types	Plain, Index, coated, recycled, offset paper
Double feed detection	Optical and ultrasonic sensors in each tray
Load capacity	Up to 5400 sheets total capacity, at 80gsm plain paper
Speed	Up to 15.000 sheets per hour, depending on finisher and configuration
Booklet Maker Compatibility	Plockmatic PBM450e / 435e Plockmatic PBM5000 Series

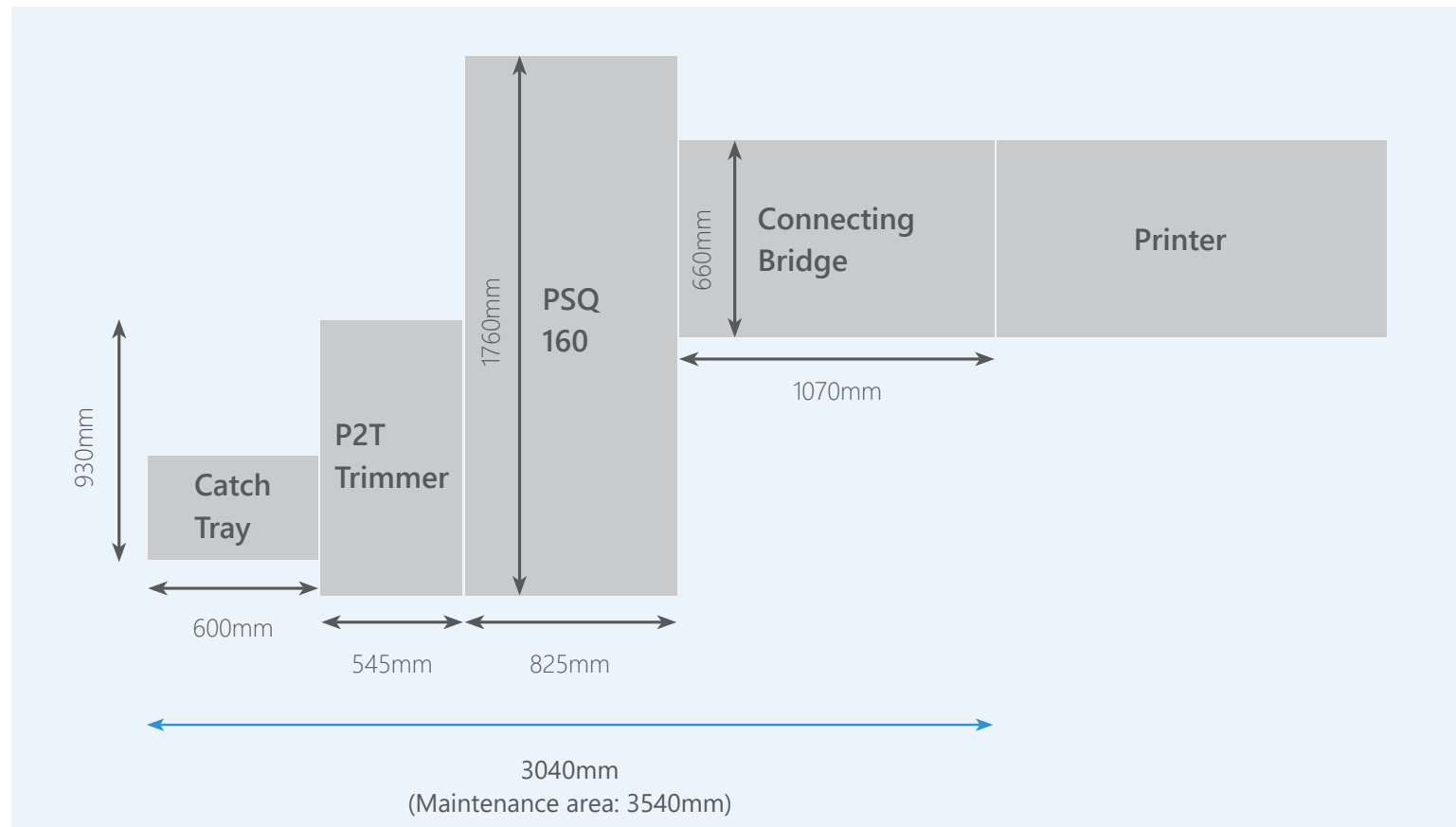
VFX - Machine footprint



PowerSquare™ 160

PowerSquare™ 160	
Paper Size	200mm x 210mm to 370mm x 620mm
Finished Book Size (Including face trimming)	120mm x 78mm to 370mm x 305mm
Stock Range	60 to 400gsm dependent on paper type and quality
Book thickness	Minimum set thickness - 1 sheet 80gsm (when folded makes an 4 page leaflet) Maximum set thickness - 4mm (approx 40 sheets 80gsm) Maximum finished book thickness - 8mm (approx 160 pages 80gsm)
Stapling	2 low impact staple heads with moving clinchers. Auto-adjusting staple pitch according to sheet size, range 105mm to 150mm
Staples per cartridge	5000
User Interface	New generation tile-based with remote diagnostic capability
Face trimmer	Integrated
Face trimmer range	Up to 28mm
Square folding	Integrated
Bleed trimmer	Optional P2T Two-Knife trimmer
Bleed trimmer range	Up to 40mm from each side of the book
Rotation	Integrated in bridge unit for smaller sheet sizes (A4 and SRA4)
Compatible print engines	Ricoh Pro™ C7500 Series Ricoh Pro™ C9500 Series

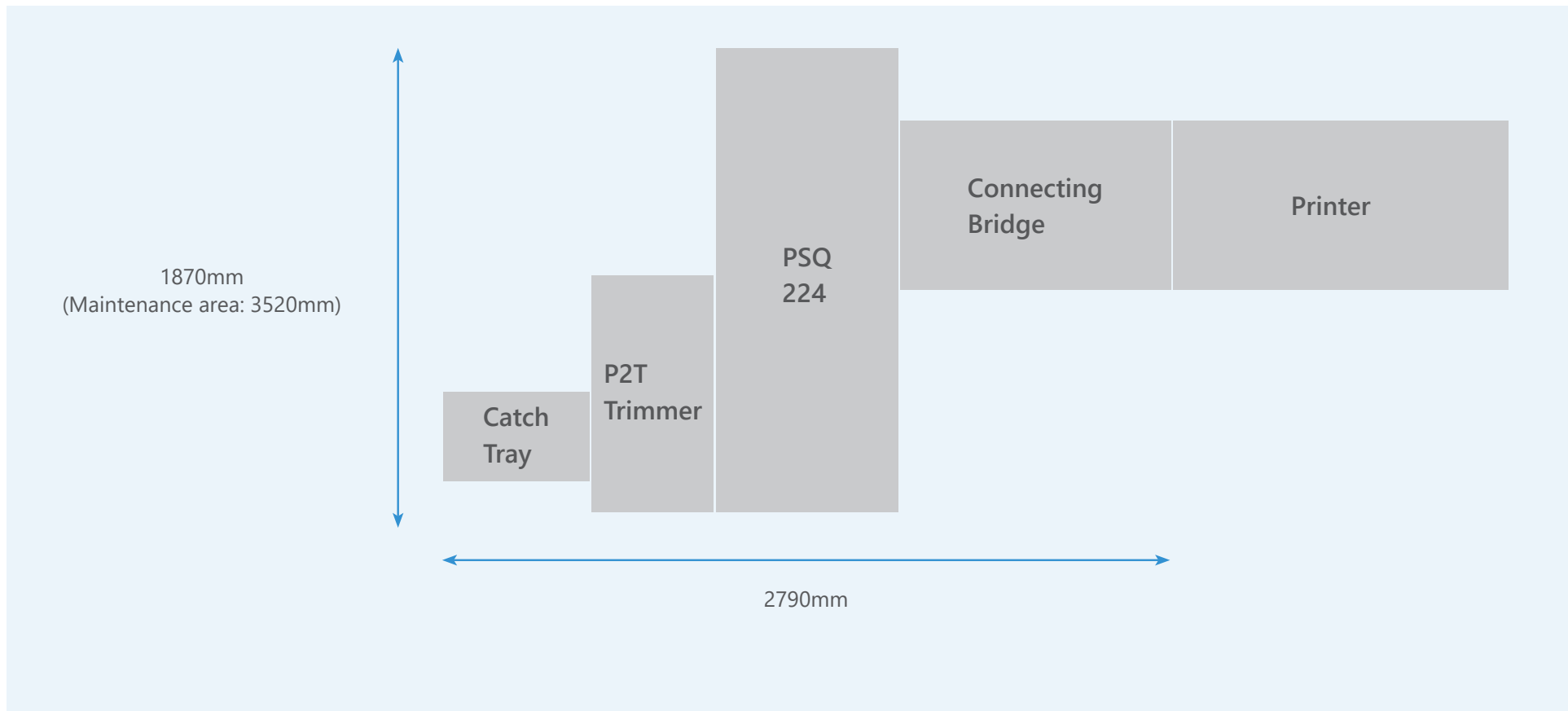
PowerSquare™ 160



PowerSquare™ 224

PowerSquare™ 224	
Paper Size	200mm x 200mm to 370mm x 520mm (to 330mm x 520mm inline)
Finished Book Size	200mm x 100mm to 370mm x 260mm (min. 120mm x 78mm with facetrim and bleedtrim)
Stock Range	60 to 300gsm dependent on paper type and quality
Book thickness	Minimum set thickness - 1 sheet 80gsm (when folded makes an 4 page leaflet) Maximum set thickness - 5.2mm (approx 56 sheets 80gsm) Maximum finished book thickness - 10.4mm (approx 224 pages 80gsm)
Stitching	1 to 6 stitches, evenly spaced on the spine of the book
Stitches per spool	Up to 291 500
User Interface	Touch screen user interface
Face trimmer	Integrated
Face trimmer range	Up to 28mm
Square folding	Integrated
Bleed trimmer	Optional P2T Two-Knife trimmer
Bleed trimmer range	Up to 40mm from each side of the book
Rotation	Integrated in bridge unit for smaller sheet sizes (A4 and SRA4)
Compatible print engines	Ricoh Pro™ C7500 Series Ricoh Pro™ C9500 Series Ricoh Pro™ 8400 Series
Compatible interfaces	Ricoh SK5040 High Capacity Stacker
Extended stacking	Optional PBS Book Stacker, up to 930mm stacking capacity

PowerSquare™ 224



LCT XL

LCT XL Standard Paper feeding trays

Number of trays	2 (vacuum trays)
Max paper Size W x L	355mm x 700mm
Min paper Size W x L	120mm x 210mm
Paper types	Plain paper, Index paper, coated paper, recycled paper
Max paper weight	450gsm (supported on limited media)
Min paper weight	65gsm
Load capacity	Total 3500 sheets of 80gsm plain paper (2 x 1750 sheets)
Double feed detection	Ultrasonic sensors
Auto Sheet size detection	Both trays have Auto Sheet Size detection
In tray lighting	LED will light up when a tray is active
Paper indicator	Blue LED bar on each tray indicating paper levels: 0%, 25%, 50%, 75%, and 100%

LSM XL - Long Sheet Module (Optional)

Number of trays	1 (air friction hybrid) LSM is mounted on top of the LCT main unit
Max paper Size W x L	330mm x 1260mm
Min paper Size W x L	120mm x 210mm
Paper types	Plain paper, Index paper, coated paper, recycled paper
Max paper weight	450gsm (supported on limited media)
Min paper weight	80gsm
Load capacity	70mm. Total 700 sheets of 80gsm plain paper
Double feed detection	Ultrasonic sensors
Auto Sheet size detection	No
In tray lighting	n/a
Paper indicator on each tray	Single blue LED indicating feeding activity



Footprint LCT XL

Dimensions (L x D x H)	1220mm x 800mm x 1100mm
Power Source	100-240 50-60Hz
Power Consumption	Stand By: 120W, Running 400W

Compatibility LCT XL

Compatible Print Engines	Ricoh Pro™ C7500 Series Ricoh Pro™ C9500 Series
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HCI3500

HCI3500 High Capacity Interposer

Load capacity	3500 sheets total
Standard Paper Size	A3, A4, SRA3, SRA4, 8.5 x 11", 8.5 x 14", 11 x 17", 12 x 18", 9 x 12", Executive, 5.5 x 8.5"
Custom size (Minimum)	120mm x 210mm
Custom size (Maximum)	350mm x 660mm
Paper weight (Trays)	65 to 350gsm
Supported media (Trays)	Plain paper, Index paper*, coated paper, Recycled paper, Offset paper
Double Feed Detection	Optical and ultrasonic sensors in each tray
Max. curl level	15mm (flat curl, measured on a flat surface)
Paper transport direction	SEF and LEF for sheet sizes under 330mm long. SEF for sheet sizes longer than 330mm
Paper transporting order	Top feed
Compatible Print Engines	Ricoh Pro™ C7500 Series Ricoh Pro™ C9500 Series Ricoh Pro™ 8400 Series



CT XL

Media CT XL Module

Standard Paper Support	A4, A3, 8.5x11", 11 x 17", 12 x 18", SRA3, SRA4, 9 x 12"
Min. incoming sheet size in bypass	100mm x 148mm
Min. incoming sheet size when trimmed or creased	120mm x 200mm
Max. incoming sheet size	330.2mm x 1260mm
Min. paper weight	65gsm uncoated, 100gsm coated
Min. side trim	5mm on each side
Max. side trim	30mm on each side
Max. sheet thickness in Side trimming mode	350gsm
Max. sheet thickness in Bypass mode	450gsm

Footprint CT XL Module

Dimensions (L x D x H)	1200mm x 800mm x 1420mm
Power Source	100-240 50-60Hz
Power Consumption	Stand By: 100W Sleep: 50W Running: 400W

Compatibility CT XL Module

Compatible Print Engines	Ricoh Pro™ C7500 Series Ricoh Pro™ C9500 Series Ricoh Pro™ 8400 Series
The Plockmatic CT XL module attaches directly after the Ricoh print engine or after the Ricoh Interposer if that is included in the configuration.	



1200mm

MPS XL



Basic MPS XL Stacker

Stack Capacity for sheets under 715mm in length	With Ricoh SR5040 HCS: 250mm With Ricoh SR5110/5120 Finisher: 330mm
Stack Capacity for sheets 28.1" or longer	140mm
Stack Weight (Max)	40kg

Compatibility MPS XL Stacker

Compatible Interfaces	SR5110 Finisher SR5120 Finisher (Plockmatic SBT required) SK5040 High-Capacity Stacker
Compatible Print Engines	Ricoh Pro™ C7500 Series Ricoh Pro™ C9500 Series

Media MPS XL Stacker

Standard Paper Support	A4, A3, SRA4, SRA3
Paper size (Min)	210mm x 210mm
Paper size (Max)	385mm x 1300mm
Paper weight (Min)	80gsm
Paper weight (Max)	500gsm
Paper weight support	80 to 500gsm (up to 457.2mm long) 120 to 500gsm (up to 700mm long) 150 to 500gsm (up to 1300mm long)

Footprint MPS XL Stacker

Dimensions (L x D x H)	Compact: 900mm x 750mm x 1060mm Extended: 1410mm x 750mm x 1060mm
Power Source	100-230V ±10%, 50-60Hz
Power Consumption	Maximum: 115W Standby: 9W

About us

We turn stacks of **printed paper** into the **beautifully finished documents** you use *every day*

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 Group



www.plockmaticgroup.com

*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.

