Plockmatic Group





Product range brochure

Plockmatic Solutions

for Canon

www.plockmaticgroup.com

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Booklet Makers

BLM450e and BLM435e Booklet Makers

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Specifications



BLM435e and BLM450e

Integrated booklet making system, combines **robust** and **reliable** performance with a **new range** of applications, including landscape format.

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





Bookletmaking made easy

The BLM450e and BLM435e are versatile booklet makers designed for low to mid-volume digital production environments. Together, they deliver booklets of exceptional quality and are able to feed the new long printed sheets to produce a variety of applications, including A4 landscape booklets, which is becoming an increasingly important expectation of the device.

All production features like folding, spine forming, and full bleed trimming, are combined in one single, easy to use system. Its multi-purpose nature also allows for other finishing applications such as corner and edge staple documents. And the 50 Sheet Performance Kit increases both production speed and booklet thicknesses to up to 200 pages.

BLM435e and BLM450e

Add our signature **square folded finish** to A4 landscape format documents **for the appearance of a perfect bound book.**

Deliver high quality applications

The base unit folds and staples booklets and corner or edge stapled sets up to 140 or 200 pages depending on configuration. The BLM435e/450e uses the latest patented Plockmatic technologies to deliver top quality output in a wide range of print applications. The set positioning mechanism enables the operator to easily adjust the staple and fold position on the fly.

User Interface

Simple to use 7" touchscreen graphical interface with easy job setup and adjustment of applications.

Skew adjustment for a perfect result

The new generation Plockmatic booklet makers help operators achieve better results than ever before. A new set compiler allows for higher precision folding and control with adjustable Skew compensation.

Smarter connectivity for production

The new DFD+ interface creates tighter integration between Canon production presses and the BLM450e/ BLM435e. Auto Paper Size enables automatic setup, intelligent trimming, and error-free operation, while the system processes multiple queued jobs with varying sizes and sheet counts seamlessly. Adaptive sheet timing boosts throughput for a smooth, efficient inline workflow.

Key Features

- Square folded booklets from A6P to A4 size landscape and beyond
- Corner stapled documents in portrait A4 size
- Edge stapled documents in portrait and landscape A4 size
- Up to 140 or 200-page booklet capacity
- Supports up to 660mm long sheets
- Average monthly volume of 30k booklets
- Max monthly volume of 40k booklets



BLM435e and BLM450e

The **BLM450e and BLM435e** are **compatible** with the following Canon **imagePRESS** print engines:



imagePRESS V900 II series



imagePRESS V1000



imagePRESS V1350



varioPRINT 140 Series QUARTZ

BLM435e and BLM450e

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.

Booklet Makers

The BLM450e can staple and fold up to 50 sheets of 80gsm, creating booklets of up to 200 pages. The BLM435e is capable of 35 sheets, creating 140 page booklets.

Hand Feed Bridge

This module allows pre-produced output to be turned into high quality booklets and documents.

RCT Rotate Crease Trim module (optional)

RCT Rotate Crease Trim module provides professional looking, full bleed trimmed and creased booklets.

This option requires an FM400e finishing module.

Finishing Module FM400e (optional)

The Face Trimmer module includes a new wide range-trimmer and Square folding-mechanism in one unit.

This module is mandatory for the BLM450e.



Fold mechanism

The Patented fold mechanism gives a sharp fold for every application, resulting in professional looking documents every time.



BLM5000/s Series

A booklet maker that combines **robust** and **reliable performance** for a wide range of applications, including **landscape format, 2-up and more**.

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





Built for more formats

Digital presses can now produce more documents in a wider range of formats than ever before. And print operations face the challenge of producing more jobs with shorter run lengths profitably. Professional, cost-effective and versatile inline solutions are a critical success factor.

The Plockmatic BLM5000 series is a flexible booklet making solution for mid-to-high volume production environments.

It provides high quality booklets in a wider range of sizes than ever before. And does this with a great return on investment.

Canon production printing systems support long sheets. Combined with the new BLM5000 series, you no longer need expensive and complex equipment to produce landscape and oversize booklet formats. You can now give your customers more ways to tell their stories.

BLM5000/s Series

Built for **long sheets** and **bigger opportunities**. Create stunning **landscape and oversized booklets inline.**

Key Features

- Makes Letter sized full bleed square folded landscape booklets
- Choose between staples or up to four stitch heads
- Booklets up to 200 or 140 pages. Available in a 50 or a 35 sheet version
- Supports up to 130 lb. cover media, coated or un-coated, for a wide variety of applications
- SquareBack and Bleed trim capabilities
- Inline integration with Canon print engines
- Hand feed capable as standard
- Optional built-in Convenience Feeder for imposing pre-printed material to the production stream or be used as an offline sheet feeder.

50-sheet or 35-sheet capacity

The BLM5000 platform is available in 35-sheet and 50-sheet configurations to match application needs. **The BLM5035** handles up to 35 sheets and is ideal for everyday booklet production with fast, reliable performance. For thicker catalogs and manuals, the **BLM5050** boosts capacity to 50 sheets for greater flexibility.

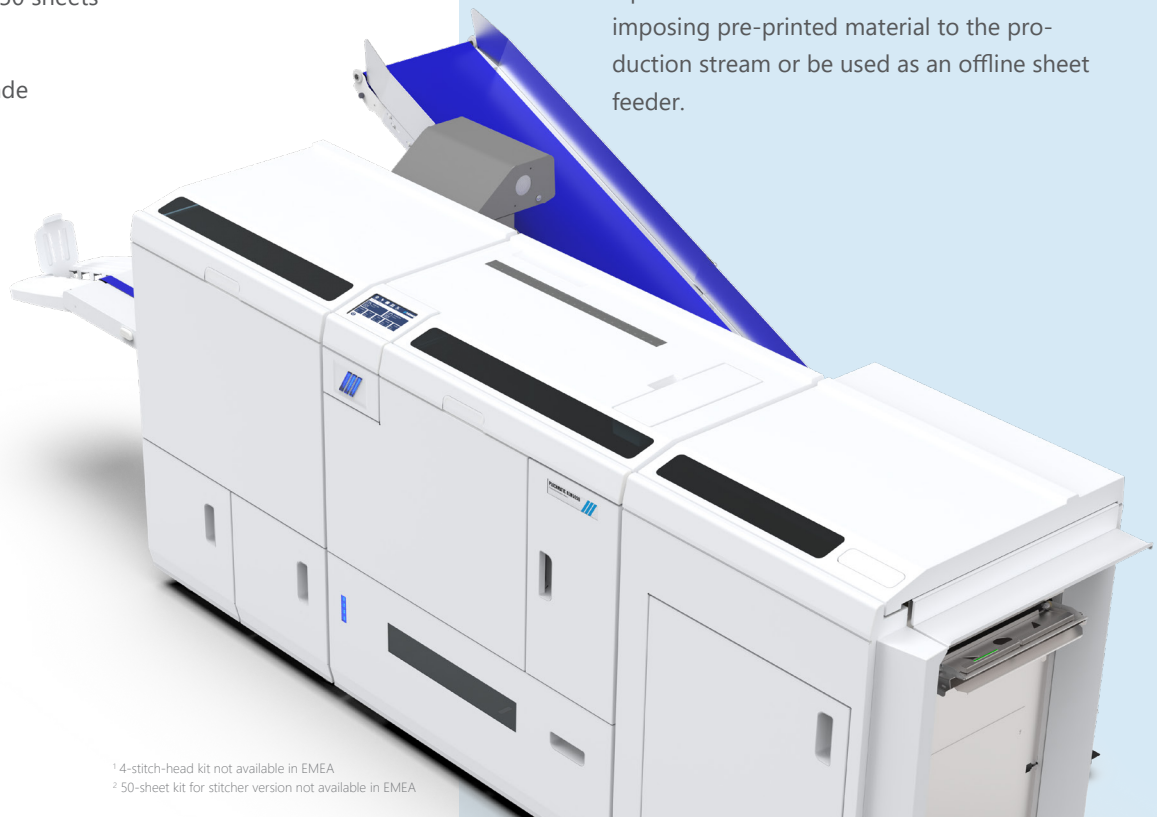
Customers can also upgrade a BLM5035 to a BLM5050 using an optional 50-Sheet Upgrade Kit[1], installed in under 30 minutes and compatible with both staple and stitch versions.

Staple or Stitch production

The BLM5000 Series is available in three versions to match different production needs.

Staple models BLM5050 and BLM5035 use two maintenance-free staple heads designed for high-volume environments. The staple version produces up to 50-sheet booklets (200 pages) with on-the-fly adjustments for staple position, fold alignment, and skew correction for consistently accurate results.

Stitch model BLM5035s – feature a durable wire stitch mechanism developed with DeLuxe Stitcher Co. Inc. The top-fed stitch head supports a wide range of wire types, including colored nylon-coated wire, and delivers up to 50,000 cycles between reloads. Optional four-stitch-head configurations[2] enable efficient 2-up book production for smaller formats, improving media usage and overall throughput.



[1] 4-stitch-head kit not available in EMEA
[2] 50-sheet kit for stitcher version not available in EMEA

BLM5000/s Series

The **BLM5000 Series** is **compatible** with the following Canon **imagePRESS** print engines:



imagePRESS V900 II series



imagePRESS V1000



imagePRESS V1350

BLM5000/s Series

Canon Print Engines

The BLM5000 Series is designed to be configured with the latest generation of Canon printing systems.

Booklet Makers

The BLM5050/BLM5050s can staple and fold up to 50 sheets of 20lb bond, which creates booklets of up to 200 pages. The BLM5035/BLM5035s is capable of creating up to 35 sheets or up to 140 page booklets.

Staple and Stitch Options

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

RCT Rotate Crease Trim module (optional)

The RCT module provides professional looking, full bleed trimmed and creased booklets, and the sheet rotation improves productivity on smaller sheet sizes.

Finishing Module

The Finishing module places both square folding 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.



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 Canon system.

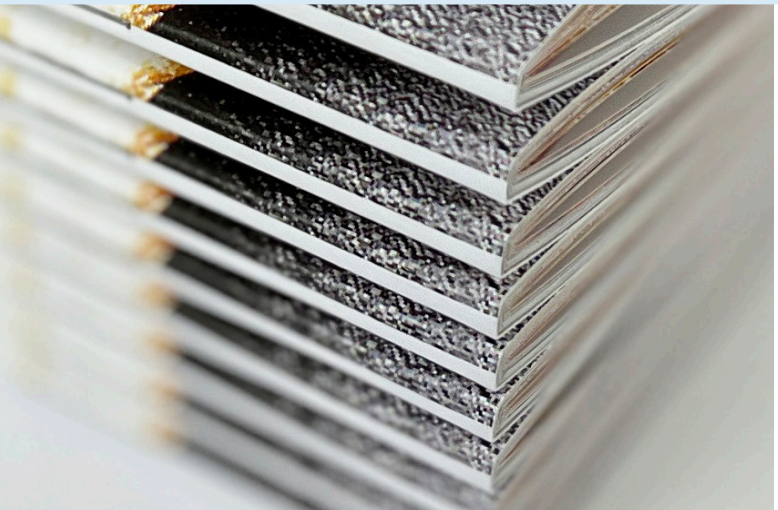


LCT XL Inline Feeder

Reliable, **high-capacity feeding for long sheets** across a **wide range of media types** and applications

Supporting the **Growing Demand for Duplex Long-Sheet** digital print production





LCT XL Large Capacity Tray

Mid-production digital presses are now capable of printing longer sheets in duplex with accurate front-to-back registration, accelerating the shift from offset to digital for a growing range of applications. Until now, practical and cost-effective long-sheet feeding solutions for this segment have been limited.

The Plockmatic LCT XL (Large Capacity Tray) is designed to close this gap. Connected directly to selected Canon presses, the LCT XL enables reliable feeding of long sheets up to 700 mm on a wide variety of media, with stock weights up to 450 gsm, using two high-capacity vacuum trays.

LCT XL Inline Feeder

Professional **SquareBack™ books** with Print-on-Spine capability, creating a finished look that **adds value to every application**



For applications such as landscape booklets, where multiple long-sheet trays are required to maintain productivity, the LCT XL delivers a stable and efficient production workflow. With the addition of the optional Long Sheet Module (LSM XL), sheet lengths of up to 1300 mm* can be fed, enabling the production of trifold, gatefold, and other complex long-sheet applications.

Advanced automation features - including automatic sheet size detection, intelligent air control, and ultrasonic double-feed detection - ensure consistent, reliable feeding even on heavy, coated, or special media. Operator efficiency is further enhanced through intuitive LED indicators and flexible control via either the printer interface or the dedicated LCT XL user interface.

Key Features

- Two vacuum trays feed long sheets up to 700 mm
- Optional Long Sheet Module feeds up to 1300 mm* long sheets
- Supports media weights up to 450 gsm
- Automatic sheet size detection for fast and accurate setup
- Ultrasonic double-feed detection ensures reliable long-sheet feeding
- Direct integration with selected Canon presses for seamless operation



*Maximum sheet length for the imagePRESS V1350 is 762 mm

LCT XL Inline Feeder

The **LCT XL** is **compatible** with the following Canon **imagePRESS** print engines:



imagePRESS V1000



imagePRESS V1350

LCT XL Inline Feeder

User Interface

The Plockmatic LCT XL is seamlessly controlled from the Canon printer for everyday operation, requiring no separate setup for standard jobs. For challenging media, operators have access to an intuitive UI directly on the LCT XL, allowing quick manual adjustments that can be saved and reused for consistent results.

Automatic Fan Control

Each tray features an intelligent sensor array that monitors sheet separation before feeding. This data is used to automatically regulate airflow, ensuring reliable and consistent feeding performance.

LSM Long Sheet Module (optional)

The optional LSM XL mounts on top of the LCT XL and adds a third pick point for long sheets up to 1300mm. Using air-assisted friction feed hybrid technology, it reliably handles coated and uncoated media up to 450gsm, with an LED indicator that clearly shows tray status, active feeding, errors, and remaining paper.

Automatic Sheet Size Detection

Each vacuum tray features sensor arrays that enable automatic sheet size detection. Once the media is loaded, the LCT XL automatically verifies the sheet size and alerts the operator if it does not match the printer setup.



Advanced Double Feed Detection

Each tray is equipped with an advanced ultrasonic double-feed detection system. It reliably detects double feeds on all media types, including extra-heavy, black, and metallic stocks.



Plockmatic Multi-Purpose Stacker XL

Plockmatic MPS XL Multi-Purpose Stacker - The **flexible, cost-effective stacking** solution

One Flexible Solution
for Stacking, Lifting, and Transporting Long Sheets





MPS XL Multi-Purpose Stacker

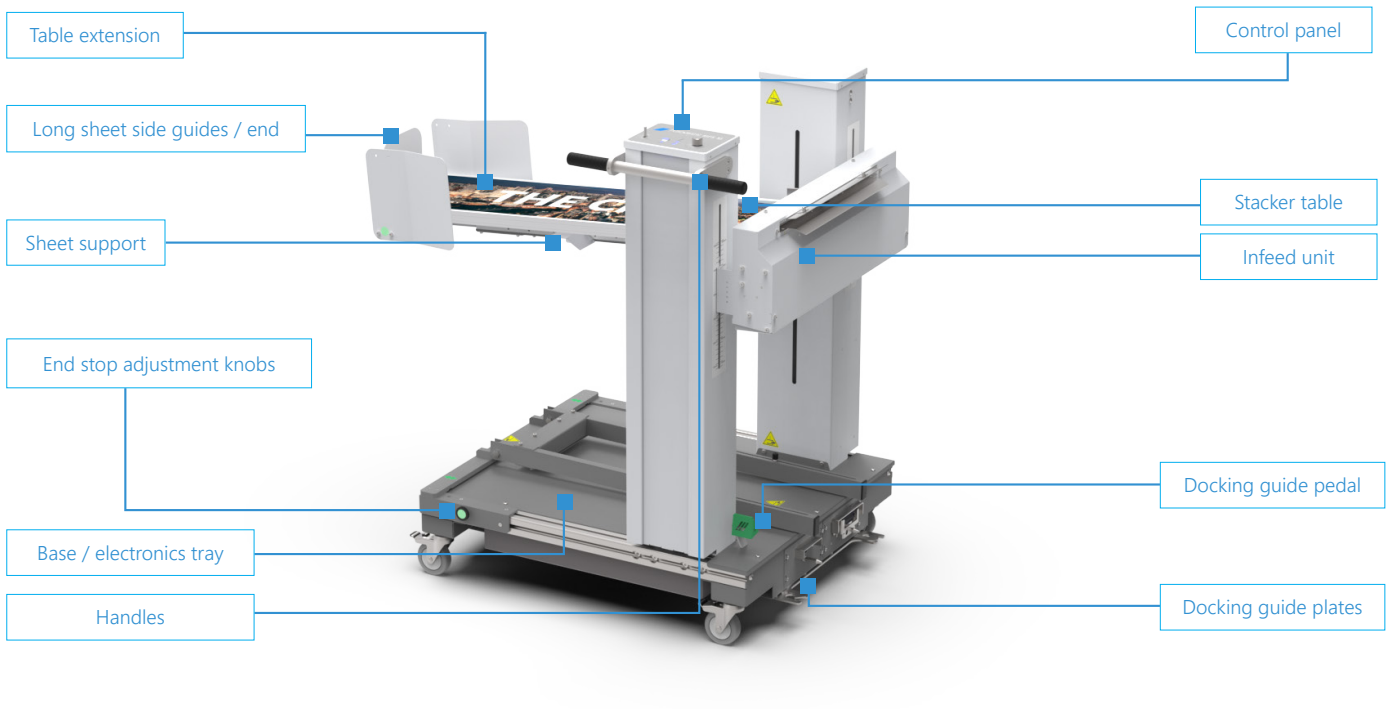
The Plockmatic MPS XL Multi-Purpose Stacker is a flexible, cost-effective stacking solution. The simple docking system enables easy transportation, while the motorized Stacking Table makes it easy to lift and transport long sheets as easy as standard size. It can also stack standard paper sizes and offers a unique combination of features, (stacking, lifting, and transporting) in a single product.

The MPS XL provides the link between the printer and the finishing device that will create the complete application, helping digital print providers turn over-sized sheets into profitable applications. Sheets fed into the MPS XL can easily be moved to another finishing device, for example the Morgana DigiFold Pro from Plockmatic.

Conventional stackers can only handle a small number of long sheets. The MPS XL supports true production quantities. It also allows for thicker paper stock up to 500gsm.

Plockmatic Multi-Purpose Stacker XL

The link between print and offline finishing that enables efficient handling, stacking, and transport **of long and oversized sheets in production environments**



Key Features

- Supports a wide range of sheet sizes and media types
- Handles heavy stacks with high load capacity
- Motorized table for easy handling of heavy paper stacks
- Simple docking mechanism for quick setup and transport
- Full integration with automatic sheet size detection
- Integrated control with print engine for pause and resume operation

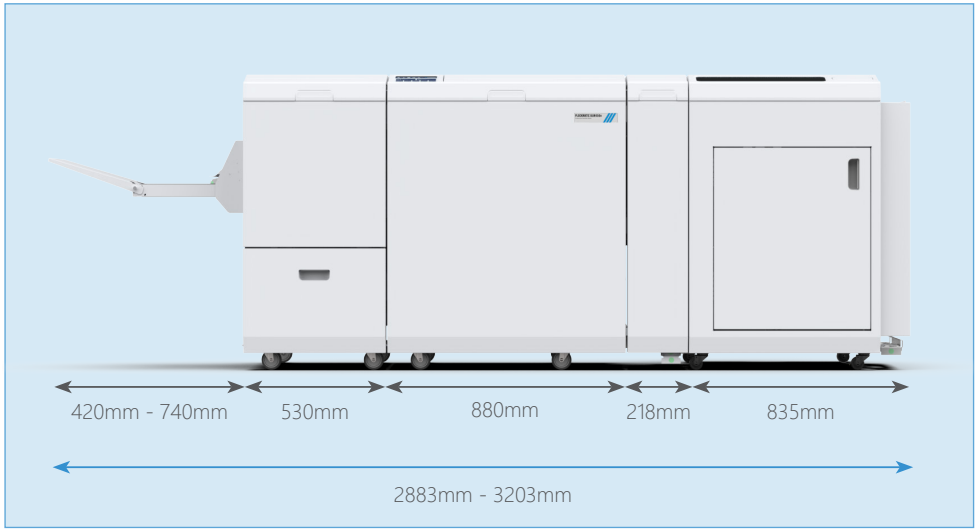

Specifications

Plockmatic BLM450e and BLM435e

BLM435e / BLM450e	
Paper sizes	From 145mm x 210mm to 320 x 660mm (330x620 with optional RCT)
Finished book sizes	From 145 x 99mm to 320 x 330 (320 x 310 with optional RCT)
Stock range	64gsm to 300gsm depending on media type, up to 350gsm on certain media
Book thickness (folded with staples)	BLM435e: 2-35 sheets, BLM450e: 2-50 sheets (80gsm)
Book thickness (folded without staples)	Up to 2 sheets
Face trimmer range	2 to 231mm, adjustable in 0.1mm increments
Bleed Trimmer	Integrated in optional RCT module, slitter type
Bleed trimmer range	5 to 30mm on each side
Creasing	Two tools: fine and coarse creasing profiles, possibility to crease Cover and/or Center sheet
Rotation	Integrated in optional RCT module for smaller sheet sizes (A4 and SRA4)
Staples per cartridge	5.000 pcs

Connectivity	
Canon Print Engine Family	imagePRESS V900 II series imagePRESS V1000 imagePRESS V1350 varioPRINT 140 Series QUARTZ
Interfaces	Canon Finisher Bridge-B1 DFD adapter and Canon High Capacity Stacker

BLM435e / BLM450e - Machine footprint



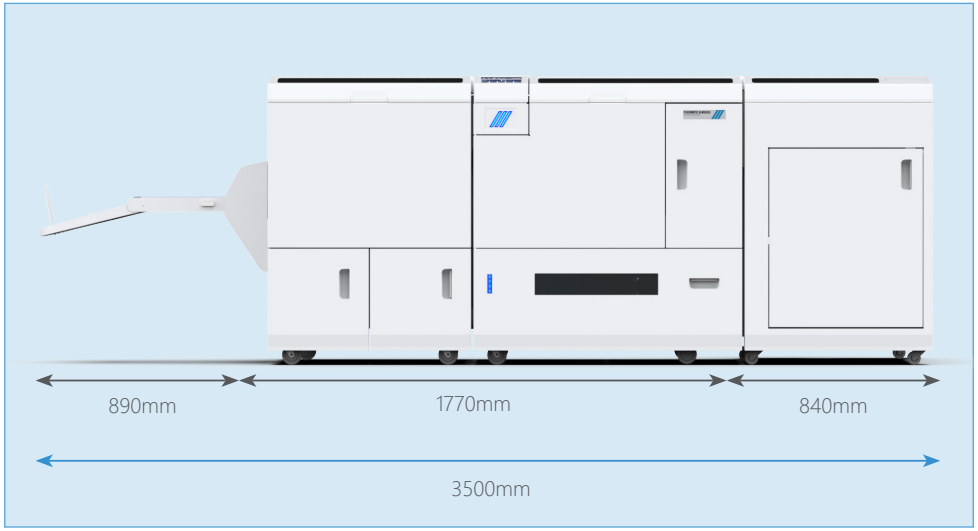
Plockmatic BLM5000/s Series

BLM5035s - Stitch version	
Paper sizes	Min: 120 x 210mm (148.5 x 210mm with RCT) Max: 320 x 620mm
Finished book sizes	Min: 120 x 105mm (without RCT) Min: 148.5 x 105mm (with RCT) Max: 320 x 310mm
Stock range	64 - 350gsm dependent on paper type and quality
Book thickness (folded with staples)	BLM5035s: 2-35 sheets (80gsm)
Book thickness (folded without staples)	Up to 2 sheets
Face trimmer range	1 to 48mm, adjustable in 0.1mm increments
Bleed Trimmer	Integrated in optional RCT module, slitter type
Bleed trimmer range	5 to 30mm on each side
Creasing	Two tools: fine and coarse creasing profiles, possibility to crease Cover and/or Center sheet
Rotation	Integrated in optional RCT module for smaller sheet sizes (A4 and SRA4)
Stapling type	Two ISP Stitch heads
Staples per spool	Approx. 50.000 pcs

Connectivity	
Canon Print Engine Family	imagePRESS V900 II series imagePRESS V1000 imagePRESS V1350
Interfaces	Canon Finisher Bridge-B1 DFD adapter and Canon High Capacity Stacker

BLM5035 / BLM5050 - Staple version	
Paper sizes	Min: 206 x 210mm Max: 320 x 620mm
Finished book sizes	Min: 148.5 x 105mm Max: 320 x 310mm
Stock range	64 - 350gsm dependent on paper type and quality
Book thickness (folded with staples)	BLM5035: 2-35 sheets, BLM5050: 2-50 sheets (80gsm)
Book thickness (folded without staples)	Up to 2 sheets
Face trimmer range	1 to 48mm, adjustable in 0.1mm increments
Bleed Trimmer	Integrated in optional RCT module, slitter type
Bleed trimmer range	5 to 30mm on each side
Creasing	Two tools: fine and coarse creasing profiles, possibility to crease Cover and/or Center sheet
Rotation	Integrated in optional RCT module for smaller sheet sizes (A4 and SRA4)
Stapling type	Two low impact staple heads with moving clinchers
Staples per cartridge	5.000 pcs

BLM5000 Series - Machine footprint



Plockmatic LCT XL Inline Feeder

LCT XL Standard Paper Feeding Trays	
Number of trays	2 vacuum trays
Min paper size W x L	182 x 210 mm
Max paper size W x L	330.2 x 700 mm
Paper types	Plain, Index, Coated, Recycled paper
Min paper weight	65gsm
Max paper weight	400gsm (up to 450gsm supported on selected media)
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 illumination of sheets in active trays
LED tray indication panel	Indicates status and paper level in increments of 25%

Optional LSM XL - Long Sheet Module	
Number of trays	1 air friction hybrid feeder on top of main module
Min paper size W x L	182 x 210 mm
Max paper size W x L	330.2 x 1300mm (max length 762mm for imagePRESS V1350)
Paper types	Plain, Index, Coated, Recycled paper
Min paper weight	80gsm
Max paper weight	400gsm (up to 450gsm supported on selected media)
Load capacity	Up to 64mm load capacity, 640 sheets of 80gsm plain paper
Double feed detection	Ultrasonic sensors
Auto Sheet Size detection	No
In-tray lighting	N/A
LED tray indication panel	Indicates status and paper level in increments of 25%

Connectivity	
Single feeder compatibility	imagePRESS V1000 imagePRESS V1350
Tandem configuration compatibility	imagePRESS V1350

LCT XL - Machine footprint



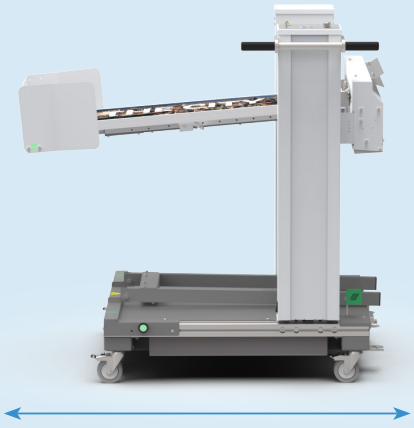
Plockmatic MPS XL

Plockmatic MPS XL Multi-Purpose Stacker	
Standard paper sizes	A4, SRA4, A3, SRA3, 8.5x11", 9x12" 11x17", 12x18"
Min paper size W x L	210 x 210 mm
Max paper size W x L	385 x 1300 mm*
Stack capacity	<715 mm sheet length: 330 mm stack height >715 mm sheet length: 140 mm stack height
Maximum stack weight	40kg
Size-to-Weight support	80 - 500gsm: up to 457.2 mm sheet length 120 - 500gsm: up to 700 mm sheet length 150 - 500gsm: up to 1300mm sheet length
Min paper weight	80gsm
Max paper weight	500gsm

*Maximum sheet size is determined by upstream print engine

Connectivity	
Canon Print Engine Family	imagePRESS V900 II series imagePRESS V1000 imagePRESS V1350 varioPRINT iX3200
Interfaces	Canon Finisher Bridge-B1 DFD adapter and Canon High Capacity Stacker

MPS XL - Machine footprint



Plockmatic Group

About us

Plockmatic Group develops, manufactures and markets an extensive range of document finishing systems sold under the Plockmatic, Morgana, Intec and Renz 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 Canon 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.

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*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.