



BM4035e/BM4050e Series with VFX feeder

## Morgana BM4035e/BM4050e Series

A new kind of booklet maker that can produce **letter landscape** or large format **11.96" x 11.96" books**. Includes a **corner** and **edge stapling** function as **standard**.

### BM4000e Booklet Maker

The BM4000e is a versatile booklet maker designed to work with low to mid volume digital production printers. It delivers booklets of exceptional quality and is able to feed long printed sheets to produce a wide variety of applications, including A4 landscape booklets, which is becoming an increasingly important expectation of customers.

### Key Features

- Produce square folded booklets from half letter to letter landscape, or large format 11.96" x 11.96"
- Corner stapled documents in portrait letter
- Edge stapled documents in portrait and landscape letter
- Up to 140 or 200 page booklet capacity
- Supports up to 25.98" long sheets without CST or 24.4" with CST
- Up to 30k per month with maximum peak volume of 40k.

### Performance kit for a faster and more capable system

The BM4035e system can be equipped the performance upgrade kit. This kit improves the system with two features:

- It increases the overall processing speed of the system
- It makes it possible to upgrade a BM4035e to a BM4050e by increasing the set processing capability from 35 to 50 sheets (20 lb. bond paper)

**Now up to  
80% faster!**





# Morgana BM4035e/BM4050e Series

**Robust** and **reliable** for a range of **applications**.

Produces **landscape format books** with our **signature SquareFold** finish.



## Booklet making made easy

The BM4000 series produces consistently high booklet quality on all booklet sizes and media types

- The basic configuration with hand feed capability enables users to make booklets in the offline mode
- Heavy duty staple mechanism designed for durability
- Maintenance free thanks to a patented solution that eliminates periodic service intervals
- Adjustable staple and fold position, The BM4000e series has a patented "set positioning mechanism" that allows the operator to adjust the staple position in the direction of travel, from the intuitive user interface.
- The BM4000e series is designed for demanding environments that handle an average monthly volume of 30,000 booklets/month.
- Operators can now compensate for skew caused when feeding long sheets, this can easily be adjusted in the color user interface on the fly.

The new system architecture enables customers to produce high quality booklets from half letter to letter landscape, or 8.5" x 11" and above and has all the key processes needed to produce corner and edge staple, folding, spine forming, and full bleed trimming, all combined in one single, easy to use system.

This new booklet maker offers the ability to produce the all new long sheets applications while maintaining the small and compact size.

## Deliver high quality applications

The BM4000e series uses the latest patented Plockmatic technologies to deliver top quality output. The base unit folds and staples booklets and corner or edge stapled sets up to 140 pages (*35 sheets with the BM4035*) or 200 pages (*50 sheets with the BM4050*). The set positioning mechanism enables the operator to easily adjust the staple and fold position on the fly.



# Morgana BM4035e/BM4050e Series

## High-Capacity Book Stacker – BST4000-1

The high-capacity belt stacker is a practical option for more production-oriented sites. It can be configured straight or in a 90-degree angle and attaches after the standard output tray. This allows for long unattended runs and stacks up to 1000 8.5"x 11" booklets of 4 pages.

**CST Trim Waste Conveyor** The trim waste Conveyor is ideal for more production-oriented sites of full bleed booklets. The belt takes the trim waste from the CST and removes it into a larger waste bin.

## Colour 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.

## VFX High Capacity feeder

The VFX high capacity dual bin feeder gives the ability for long un-interrupted runs of booklets. The bins can be loaded on the run with pre-collated sets from multiple print engines. The VFX can also be equipped with barcode reading to enable set integrity.

## Finishing module

The optional Finishing Module includes a new face trimmer and square folding mechanism in a single unit. The technology is based on the successful Trimmer and SquareFold modules, with added support for longer sheets while reducing overall size of the system.

## Hand feed capability

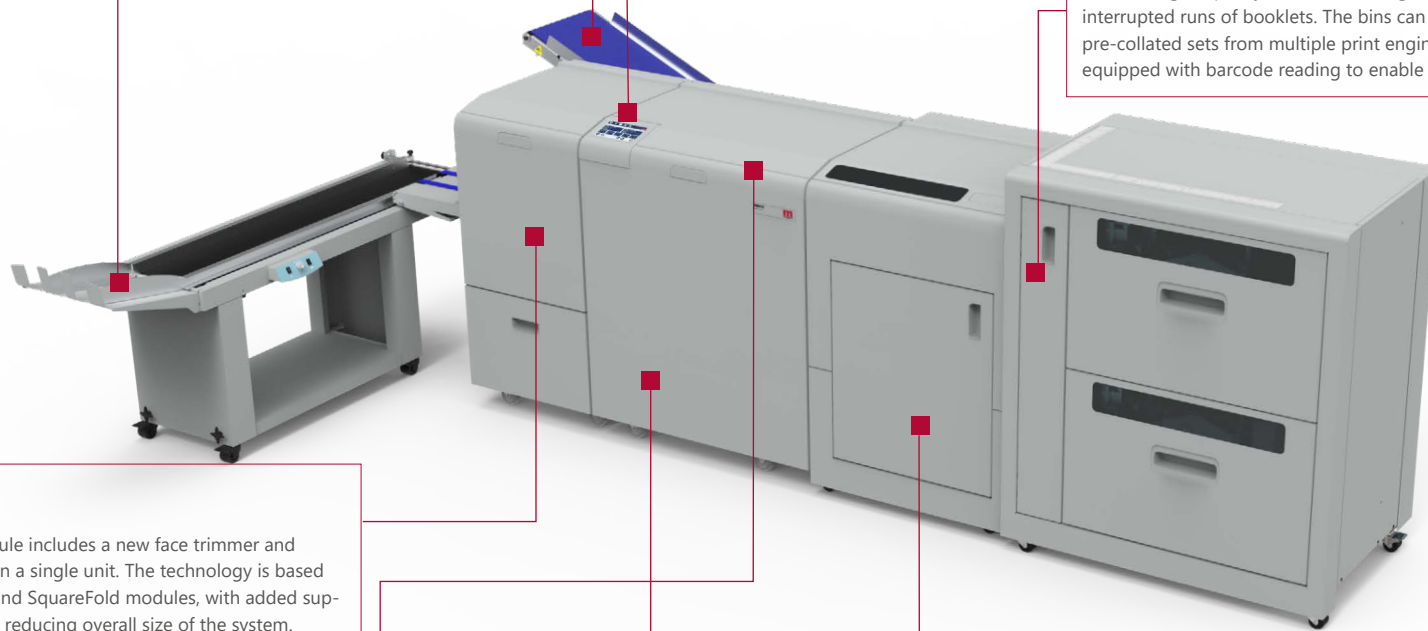
In its most basic configuration, the Morgana BM4000 can be hand fed for low volume applications. The VFX feeder and FM face trim and squarefold module can be added as the range of applications develop or volumes increase.

## BM4035/BM4050 Production Booklet Makers

The Morgana BM4000e series can staple and fold booklets up to 35 sheets (**BM4035e**) or 50 sheets (**BM4050e**). From small booklets up to 8.5" x 11" Landscape and more. It can also corner and edge staple documents for an even wider range of applications.

## CST crease/side trimming module (Optional)

The System 4035/4050 can be enhanced by adding the CST creasing and side slitting module. It creates bleed trimmed booklets "on the fly" eliminating the need for a guillotine prior to production.



# Morgana BM4035e/BM4050e Series

Available as a **hand fed** device, or with the **VFX feeder** to meet your exact requirements

## Finishing Module

The optional finishing module includes a new face trimmer and square folding mechanism in a single unit. The technology is based on the successful trimmer and book fold modules with added support for longer sheets, while reducing the overall size of the system.

A completely new design, two-in-one square folding and face trimming features in a single compact module. High performance quality square folding functionality ensures a high-quality booklet on a wide range of media and booklet thickness.

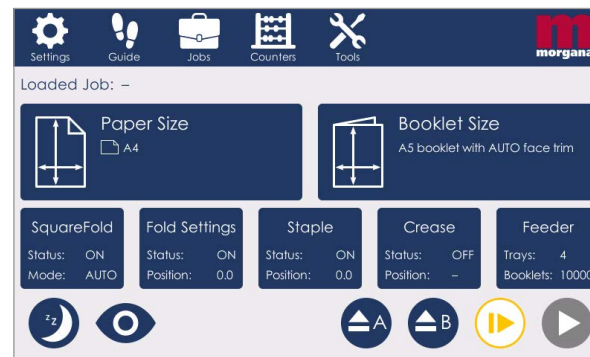
With new trimming capabilities, the new, moving knife can cut down to 3.89" long booklets in a single cut, speeding up the process to enables a wider range of trimming inline. This gives the operators booklet size flexibility without the need to handle custom sized paper.

The FM4000e includes a book stacker in its standard version. The stacker can be folded down to allow virtually unlimited stacking capacity.



## Easy to use interface

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





# Morgana VFX Feeder

## High capacity 5400 sheet **Vacuum feeder** with **2 tray configuration** for **optimum** productivity

### Key features

- 5400 sheet capacity High Capacity Vacuum Feeder
- Adaptive Fan Control automatically adjusts air flow for varying media sizes and weights, advanced double sheet detection with infrared and ultrasonic sensors
- Two tray configuration allows for loading paper during jobs and uninterrupted production
- Enhanced performance on thin media
- Enhanced performance on difficult curled media
- Feeds a wide range of today's media with little or no operator adjustment

### VFX Feeder

The Morgana VFX is a two tray high capacity Vacuum Feeder, capable of efficiently feeding a wide range of paper types and weights up to 15,000 sheets per hour. It's equipped with highly automated vacuum feed technology specifically designed to handle the widest range of pre-printed media. The Automatic Tray Switching feature enables long unattended runs and enables the loading of empty trays during a run to achieve maximum productivity.

The main sections of the Morgana VFX are the two loading trays. Each tray is equipped with vacuum feed technology and two



types of double sheet detection sensors. Anti-static bars are available as an optional addition to the machine and are highly recommended for use in static environments or non-climate-controlled environments where humidity is low.

The VFX contains two vacuum paper trays. Each tray has a capacity of 2700 sheets (20 lb. bond paper) for a total machine capacity of 5400 sheets, and is capable of feeding stock up to 25.98" long and 13.97" wide, in this configuration with the BM4000 max supported sheet size is 12.59" x 25.98".

Curled media is a challenge for any feeding system. The VFX has an enhancing feeding performance, specifically designed to handle media that has curled.

### APC Sensor Technology

Our new Adaptive Process Control (APC) monitors the sheet feeding, delivering an outstanding reliable feeding performance.

### Thin and curled media

The VFX is equipped with completely redesigned geometry in the vacuum feed area, this gives improved performance on thinner media.

Precise separation of each sheet from the stack is essential for reliable feeding. Morgana's patented SP-sensor measures sheet separation in the "float area" and adjusts tray position and airflow. A row of multiple sensors work together with an advanced program to create a self-adjusting automatic mode that will reposition the paper stack while running. This supports reliable feeding for the widest range of media types.

### Automatic Tray Switching

Maximum productivity for longer jobs is achieved through Automatic Tray Switching, this enables long unattended runs and the loading of empty trays during a run.



# Morgana BM4035e/BM4050e Series

The **barcode** kit enables **variable** page count jobs and ensures **set integrity**.

## 1D and 2D Barcode reader kit

The VFX can be equipped with an optional Barcode reading kit. The barcode kit enables variable page count jobs and ensures set integrity when document accuracy is critical.



The barcode option for the VFX feeder takes the NearLine workflow to a new level. With 2 readers (1 in each tray) every sheet feed is monitored and provides set integrity and feeding information to the booklet making system. Sheets could be feed from both trays and set size could vary anywhere within the booklet makers capability. This makes it an ideal solution for financial reports or similar type of documents where each booklet is personalized.

The following barcodes are supported:

### 1D Barcode:

Code-39

*Reader can handle 10mil resolution  
on BCR code*

### 2D Barcodes:

DataMatrix

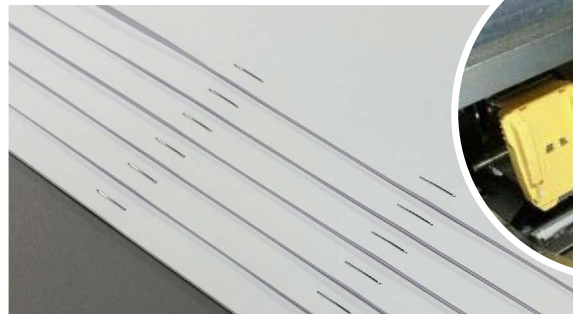
PDF417

QR code

The latest **booklet making** system that includes both **corner** and **edge stapling** function as **standard**.

## Corner stapling

Corner or edge stapling is the fast and easy solution for producing meeting notes, reference documents and hard copies of PowerPoint presentations etc.



# Technical Specifications

## BM4035e / BM4050e Booklet making

Paper size: min	5.7" x 8.26" <sup>1*</sup>
Paper size: max	12.6" x 25.98" <sup>1*2*</sup> , 13" x 24.4" with CST
Stapling	Easy change, low maintenance, heavy duty staple cartridges
Staples per cartridge	5000
Paper weight: min	16 lb. bond (15.5 lb. supported on some media) <sup>1*</sup>
Paper weight: max	82 lb. (130 lb. supported on some media) <sup>1*</sup>
Book thickness	Min. set thickness - 1 sheet 20 lb. bond paper (when folded makes a 4 page leaflet)
	Max. set thickness – 0.137" and 0.196" (approx. 35 sheets and 50 sheets of 20 lb. bond paper)
	Max. finished book thickness - 0.27" and 0.39" (approx 140 and 200 pages of 20 lb. bond paper)
Power source	100-230V 50-60Hz
Power consumption	250W

1\* Paper specification for booklet making only. Refer to full specification for Corner and Edge stapling specification.

2\* Maximum sheet length is 24.4" when configured with the CST module.

## BM4035e / BM4050e Corner and edge stapling

Paper weight (Edge stapling):	20-32 lb. bond paper
Paper weight (Corner stapling):	20 lb. bond paper
Paper size (Edge stapling):	8.5" x 11" Landscape or Portrait
Paper size (Corner stapling):	8.5" x 11"

## CST Crease Side Trimmer (Optional)

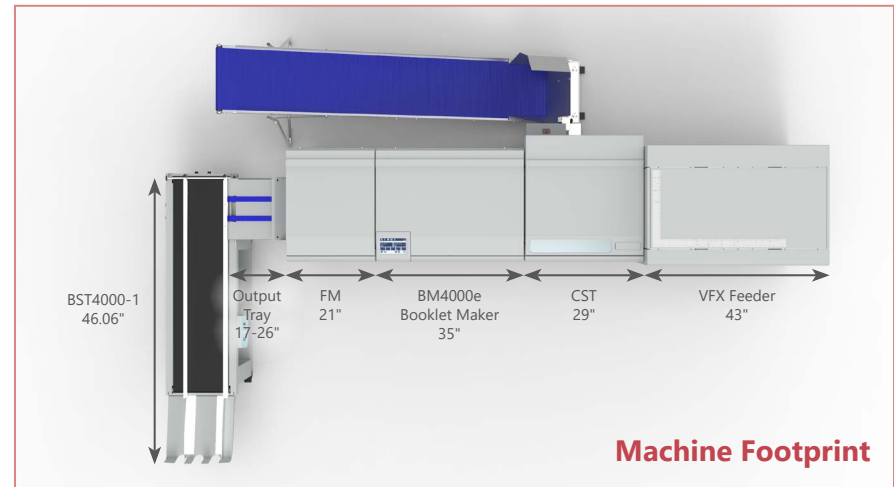
Stock weight: min	As BM4000 series
Stock weight: max	As BM4000 series
Trim: max	1.18", top & bottom - 2.36" total
Trim: min	0.196", top & bottom - bypass possible

## VFX Feeder (Optional)

Load capacity	5400 sheets
Stock weight	16 lb. bond - 130 lb. cover
Power source	100-240V +6 - 10% (50-60Hz)
Power consumption	650W
Sheet size: max	12.6" x 25.98" with BM4000, 13" x 24.4" with CST

## FM Finishing Module (Optional)

Face Trim: min	0.039"
Face Trim: max	8.26"
Sheet count: max	50 stapled and folded sheets



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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.