



BM3000 series with VFX Feeder

Morgana BM3000 Series

The **ideal solution**
for centralised
reproduction
departments and
commercial print
providers - large
and small



Morgana BM3000 Series

BM3035 and BM3050

The Morgana BM3035/3050 is a modular booklet making solution for those centralised reproduction departments and commercial print providers who prefer an offline solution. You can produce booklets up to 140 pages with the BM3035 and 200 pages with the BM3050.

Customers can choose from a range of cost-effective options to support their applications, including the VFX feeder with optional barcode reading. The BM3000 series is packed with a host of technologies that deliver finished books with quality to match today's printing systems.

Customers are demanding more media versatility from digital print. Like all Plockmatic Group booklet makers, the Morgana BM3035/3050 is designed to run reliably with today's coated, uncoated and textured paper stocks.

The optional CST (Crease and side trimmer) unit enables you to produce professional, full bleed trimmed and creased booklets in a cost effective, compact module. Combine this with our unique signature SquareFold system to create a square-back to any document, booklet or publication, giving the effect of a perfect bound book. This finish makes them much easier to handle, stack and pack!



BM3035 equipped
with CST unit and
VFX Feeder

Morgana BM3000 Series

A **modular** design
adaptable to your
offline book making
requirements, hand fed
or feeder ready

BM3035 and BM3050

The Morgana BM3035/3050 is a modular booklet making solution for centralised reproduction departments and commercial print providers - large and small. Customers can choose from a range of cost-effective options to support their application requirements. The system is packed with a host of unique technologies that deliver finished books with quality to match today's printing systems.

Customers are demanding more media versatility from digital print. The Morgana BM3035/3050 is designed from the ground up to work with today's coated, uncoated and textured paper stocks.



Modules

Booklet Maker: the simplest configuration includes the Booklet Maker and output tray to provide a simple solution by producing hand fed sets - stapling, folding and stacking.

Face Trimmer: the addition of the trimmer removes the shingled effect on the face of the folded document and provides a clean document edge.

SquareFold: this unit adds a square folded spine for a professional, perfect bound look to the finished book. *(Must be used in conjunction with the face trimmer).*

VFX or AF dual bin feeder: designed for pre-collated sets. Each bin can be loaded separately on the run to give continuous production.

Optional CST (Crease and Side Trim): produces professional looking, full bleed trimmed and creased booklets, eliminating cracking of toner on the spine. *(Must be used in conjunction with a feeder).*



Morgana BM3000 Series

BM3000 System with VFX feeder

Color graphical user 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 into the Booklet Maker.

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.

Face Trimmer

The addition of the trimmer removes the shingled effect on the face of the folded document to produce a cleanly trimmed document

SquareFold module

This unit adds the finishing touch. A square folded spine for a professional, perfect bound look to the finished book. *(Must be used in conjunction with the trimmer).*

BM3035/BM3050 Production Booklet Makers

The BM3050 can staple and fold up to 50 sheets of 20lb bond, which creates booklets of up to 200 pages. The BM3035 is capable of 35 sheets, creating 140 page booklets.

CST crease/side trimming module (Optional)

The System 3035/3050 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 VFX Vacuum Feeder

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

VFX Feeder

The Morgana VFX is a 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. You can achieve maximum productivity with the Automatic Tray Switching feature, this enables long unattended runs and the loading of empty trays during a run.

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, the two-tray configuration allows for loading empty trays during a run, which results in uninterrupted production. Each tray has a capacity of 2700 sheets (20lb bond paper) for a total machine capacity of 5400 sheets, and is capable of feeding stock up to 26" long and 14" wide, in this configuration with the BM3000 the maximum supported sheet size is 18".

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.



Adaptive Feed Settings

The VFX is equipped with new highly automated vacuum feed technology, specifically designed to handle the widest range of pre-printed media. The Feeder continuously checks the area where the papers are floating and automatically makes adjustments to keep an optimal feeding environment inside the tray during the run.

Thin and curled media

The VFX is equipped with completely redesigned geometry in the vacuum feed area to improve performance on thinner media.

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

Key features

- 5400 sheet capacity High Capacity Vacuum Feeder
- Utilizes latest vacuum feed technology
- 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
- Altogether, the feeder's automated technology allows it to feed a wide range of today's media with little or no operator adjustment

Morgana VFX Vacuum Feeder

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 fed 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



Technical Specifications

BM3035 / BM3050

Paper size, min	8.1" x 10.8"
Paper size, max	12.6" x 18" (13" x 18" with the CST)
Paper weight, min	Uncoated (Min) 16lb bond, Coated (Min) 28lb bond
Paper weight, max	110lb cover
Set size (stapled folding)	2-50 Sheets BM3050 (20lb bond), 2-35 Sheets BM3035 (20lb bond)
Power source	100-230V 50-60Hz
Power consumption	250W

Squarefold Specification (Optional)

Paper size, max	Same as BM3035/3050
Set size (stapled folding)	From BM3035/3050
Power source	From BM3035/3050

Trimmer Specification (Optional)

Minimum trimming	0.039"
Maximum trimming	0.63" (single trim)
Power source	From BM3035/3050
Standard paper sizes	Same as BM3035/3050

The Trimmer supports "multi-cut" operation. This allows customers to trim more than 0.62" to create booklet sizes down to 3.93".

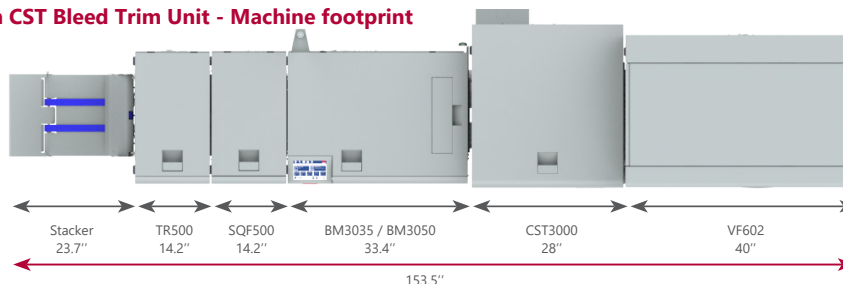
CST Crease Side Trimmer (Optional)

Paper size, min and max	As BM3000 series
Paper weight, min and max	As BM3000 series
Minimum trimming	0.2" from top and bottom of each sheet
Maximum trimming	1.18" from top and bottom of each sheet, bypass possible
Power source	From BM3035/3050

VFX Feeder (Optional)

Speed	15,000 sheets per hour
Load capacity	5400 sheets
Paper Weight	16lb bond - 110lb cover
Weight	551 lb
Power consumption	650W
Power separation method	Vacuum
Sheet size: max	26" x 14" (with BM3000 18" x 14")

BM3000 System with CST Bleed Trim Unit - Machine footprint



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