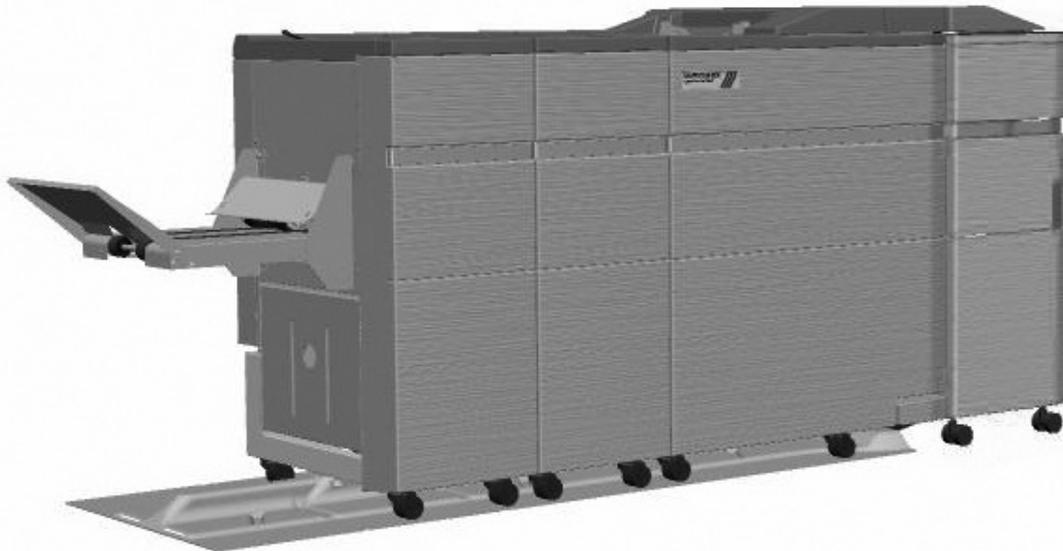




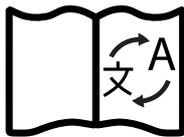
BOOKLET MAKER MX-BM50

Operating Instruction Stapler Folder Reference



Read this manual carefully before you use this product and keep it handy for future reference.

For safety, please follow the instructions in this manual.



Scan the QR code to access translated versions of this manual in German, Italian, French, and Spanish.

Visit <https://plockmaticgroup.com/mx-bm50-sharp/> to view the manual in your preferred language.

Introduction

This manual contains instructions on the operation and maintenance of this machine. To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual. Keep this manual in a handy place near the machine.

Please read the Safety Information before using this machine. It contains information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

How to read this manual

Notation conventions

Whenever necessary, the following points of attention are indicated in the documentation for this product.

WARNING:

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

CAUTION:

Indicates a potentiality hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to machine or property.

NOTE:

This sign refers to:

- *Remarks for making the operation much easier. You get practical hints or knowledge to assist you in the machine operation such as:*
- *Preparations required before operating*
 - *How to prevent papers from being misfed or damaged*
 - *Precautions required or actions to take after misoperation*
- *Limitations like numerical limits, functions that cannot be used together or conditions, under which a particular function cannot be used or obtained.*
- *Information.*

[] *Keys that appear on the machine's User Interface.*

Safety Information

When using this machine, safety precautions should always be followed.

General Safety

WARNING

- This equipment is not suitable for use in locations where children are likely to be present.
- Only connect the machine to a mains power supply of the correct voltage with a good earth-connection; as advised by your service engineer at the time of installation. Improper Earthing of the equipment can result in electrical shock. The correct machine voltage is shown on the label at the mains power supply input on the rear of the machine. If the machine is connected to the wrong supply, the warranty is cancelled. This machine is destined for specific purpose only. Any use going beyond this specific purpose is regarded as beyond the determination. The manufacturer will not be liable for damages resulting from any use beyond the determination, unallowed operation, respectively. The user alone bears the risk.
- Do not make arbitrary changes or modifications to the machine. The manufacturer will not be liable for modifications made to the machine on your own and damages resulting thereof. The EU/UK Declaration of Conformity and the CE/UKCA mark will be invalidated if you make changes to the machine or to the individual components.
- Operators are never allowed to override or bypass electrical or mechanical interlock devices. Trained technicians are allowed to use interlock cheaters only when instructed to do so. Do not expose fingers or other parts of the body to moving, rotating, or cutting devices when running the machine with the interlock cheater installed. Do not wear ties, lanyards or other things that might get trapped into the rollers and cause injuries. Do not change, adjust, or tamper with the safety interlock devices fitted to the machine. Machine including UV-Light should never be bypassed by operator or trained technicians. Permanent eye damage could occur.
- The machine is to be used only by authorized and instructed persons. The responsibility on operating the machine must be strictly laid down and observed so that there are no unclear competences regarding safety aspects.
- Vent holes serve for air circulation to protect the machine from overheating. Make sure that the holes are not covered.
- Always locate the equipment on a solid support surface with adequate strength for the weight of the machine. Make sure the machine is located on a level floor and that there is enough work area around it.
- To protect against fire hazard, replace fuses with those of the same type and rating. Do not change fuses before the machine is disconnected from the main power supply. Refer to the product's documentation for the correct procedure.
- Do not expose the equipment to sudden temperature variations that can cause condensation.
- Operators and technicians must be familiar with the safety information detailed in this safety pamphlet and in the product's documentation.
- To avoid hazardous situations, like for instance electric shock or danger while exposed to moving, rotating or cutting devices, do not remove any covers, guards or screws other than those specified in the product's documentation and before the machine is disconnected from the main power supply.
- Always use only the power cord intended for the machine.
- Never connect plugs unless instructed so. Never connect plugs that have a different shape / number of pins.

Safety during operation

WARNING

- Do not expose body parts, loose hanging hair or clothing to moving, rotating or cutting parts.
- If any adjustment or operation check has to be made with exterior covers off or open while the main switch is turned on, keep hands away from electrical or mechanically driven components.
- Note that components of the system and peripherals can be supplied with electric voltage even if the main power switch is turned off and the power cord is disconnected.

continued on next page

Safety during operation, continued

- Turn off the power and disconnect the power plug (by pulling the plug, not the cable) if any of the following conditions exists:
 - Objects are dropped into the equipment.
 - Liquids are spilled inside the equipment.
 - You suspect that your equipment needs service or repair.
 - Covers are damaged, loose or missing.
 - You notice unusual noises or odors when operating the equipment.
 - If the power cable or plug is worn out or otherwise damaged.
 - Before cleaning and care (unless otherwise specifically instructed).
- Do not remove covers or guards that are fastened with screws.
- Machines with open (non-covered) automatic sheet feeders pose a crush/pinch hazard. Keep away from these areas when the machines are operating.
- Machines with exposed cutting carriages and heads pose a crush/pinch hazard. Keep away from the moving carriages and ensure that these machines are inaccessible to children during operation. Never leave these units switched on without supervision.
- If an emergency stop button is on the machine – do not use the button for regular operation. It is designed for immediate stop solely for emergency situations to ensure the safety of all individuals involved.

CAUTION

- *The product must be installed, relocated and maintained by a customer service representative who has been properly trained on the product.*
- *Remove paper from inside the machine and close all covers before undocking or relocating the product. Use caution: the product is heavy, could be subject to a tilt hazard and tip over.*
- *Always follow all warnings marked on, or supplied with, the product.*
- *When you disconnect the power plug from the wall outlet, always pull the plug (not the cable).*
- *Disconnect the power cord before you move the machine. While moving the machine, always exercise care and make sure that the power cord will not be damaged under the machine.*
- *Do not move the machine while the machine is running.*
- *Do not open covers while the machine is running.*
- *Do not switch off the power while the machine is running. Make sure the machine cycle has ended.*
- *Lay the power cord in a way that nobody will stumble over it. Do not place things on the cord.*
- *Never attempt any maintenance function that is not specifically described in the product's documentation.*
- *Always keep magnets and all devices with strong magnetic fields away from the machine.*
- *If the place of installation is air-conditioned or heated, do not place the machine where it will be:*
 - *Subject to sudden temperature changes.*
 - *Directly exposed to cool air from an air-conditioner.*
 - *Directly exposed to heat from a heater.*
- *If the machine is not used over an extended period of time, it should be unplugged to prevent damage in case of overvoltage.*
- *Do not operate the equipment if you notice unusual noises or odors. Disconnect the power cord from the power source and call your authorized technician to correct the problem.*

Electromagnetic compliance

This device complies with Part 15 of the FCC rules.

Operation of this equipment in a residential environment could cause radio interference.

Notes for handling Lithium and Lead batteries

CAUTION

- *Danger of explosion if batteries are incorrectly replaced.*
- *Replace only with the same or equivalent type recommended by the manufacturer.*
- *Dispose of used batteries according to the manufacturer's instructions.*

continued on next page

Safety Information, continued

Description of Safety/Warning labels in the product

<p>1</p>  <p>Crushing Hazard Risk for crushing or squeezing body parts.</p>	<p>2</p>  <p>Cutting Hazard Sharp objects inside machine.</p>	<p>3</p>  <p>Entanglement Hazard Risk for loose hanging hair, jewelry, or clothes to get caught.</p>		
<p>4</p>  <p>Hazardous Voltage High voltage inside machine.</p>	<p>5</p>  <p>Do Not Step A surface of the machine not to step/stand upon.</p>	<p>6</p>  <p>Hot Surface Do not touch with bare hands.</p>	<p>7</p>  <p>Protective gloves Protective gloves must be worn.</p>	<p>8</p>  <p>Hearing Protection Hearing Protection must be worn.</p>
<p>9</p>  <p>Tight clothes Tight clothes must be worn.</p>	<p>10</p>  <p>Earth / Ground Always ground the equipment.</p>	<p>11</p>  <p>Warning / Caution Indicates a generic warning or caution.</p>	<p>12</p>  <p>Laser Hazard Laser beam: do not stare into beam.</p>	<p>13</p>  <p>Tropical conditions Use only in non-tropical conditions.</p>
<p>14</p>  <p>Pinch Point Hazard Risk for pinching or squeezing body parts.</p>	<p>15</p>  <p>Respirator mask Respirator mask, suitable for removing used glue, must be worn.</p>	<p>16</p>  <p>Earth continuity Shows earth connection point. A separate earth connection needs to be fitted during installation.</p>	<p>17</p>  <p>Read user or service manual Do not operate unless you have read and understood the user manual. Refer to service manual for more information.</p>	
<p>18</p>  <p>Altitude Do not use at altitudes over 2000m above sea level.</p>	<p>19</p>  <p>High touch current Follow specific instructions in install manual.</p>	<p>20</p>  <p>Tilt hazard The equipment might tip over under certain circumstances.</p>		
<p>21</p>  <p>UV Light Hazard UV lights can cause skin burns, eye damage, including permanent blindness and skin cancer.</p>	<p>22</p>  <p>Scandinavian Earthing Label Connect equipment only to an earthed (grounded) outlet.</p>	<p>23</p>  <p>Eye protection Eye protection, against possible splashes of glue, must be worn.</p>		

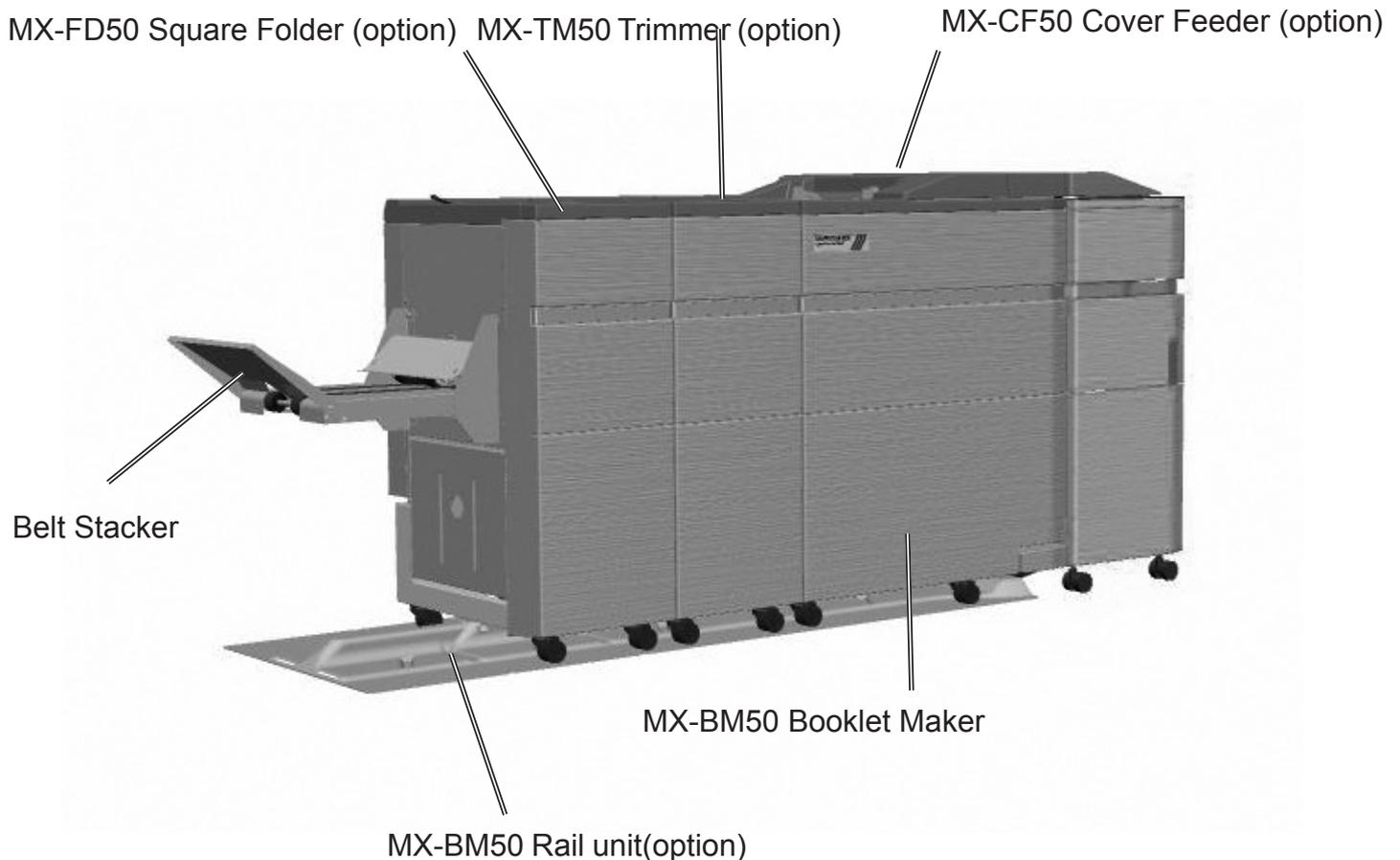
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What You Can Do With This Machine

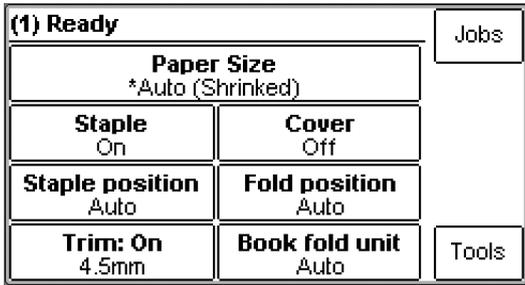


The Booklet Maker MX-BM50, Trimmer MX-TM50, Square Folder MX-FD50 and Cover Feeder MX-CF50 forms a booklet making system that works online with the Copier.

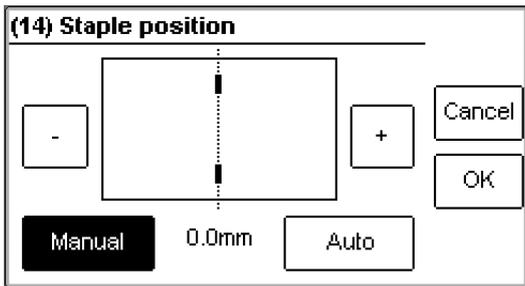
The print-outs are transported into the stapler area and compiled from the MX-CF50 Cover Feeder (optional), if present, any type of covers, colored or black and whites, can be added to the printed set. The Booklet Maker now jogs and then staples the set. The set is then transported further to the folding area where the set is folded into a booklet and then fed out to the belt stacker. When a larger number of sheets are folded an effect called creeping occurs. In order to rectify creep, the MX-TM50 Trimmer (optional) can be attached after the Booklet Maker. The booklets are then transported from the Booklet Maker into the Trimmer where the trail edge will be cut off. If a MX-TM50 Trimmer is installed to the MX-BM50 Booklet Maker, you can attach the MX-FD50 Square Folder (optional). The printouts, which have been stapled, folded and trimmed will be fed into the MX-FD50. The MX-FD50 will flatten the spine of the booklet square. The booklets will, after passing the MX-FD50, have the look of a perfect bound book. The booklets are then fed out to the Belt Stacker.

To facilitate undocking, a MX-BM50 Rail unit (optional) can be installed under the Booklet Maker system. Undocked or off-line, the Booklet Maker can be used as a stand-alone unit for hand feeding.

The MX-BM50 Booklet making system is controlled from a user interface/control panel located on the Booklet Maker. The control panel will allow you to easily set up, adjust and operate the complete system.

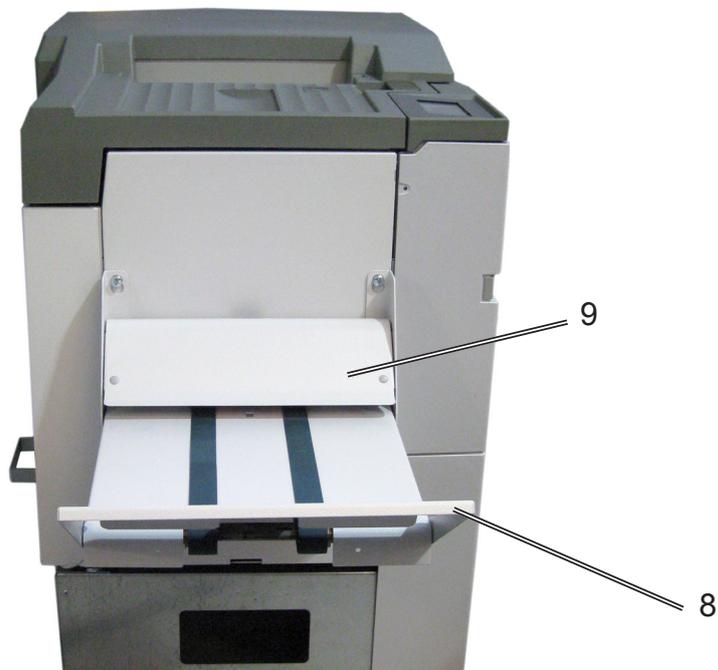
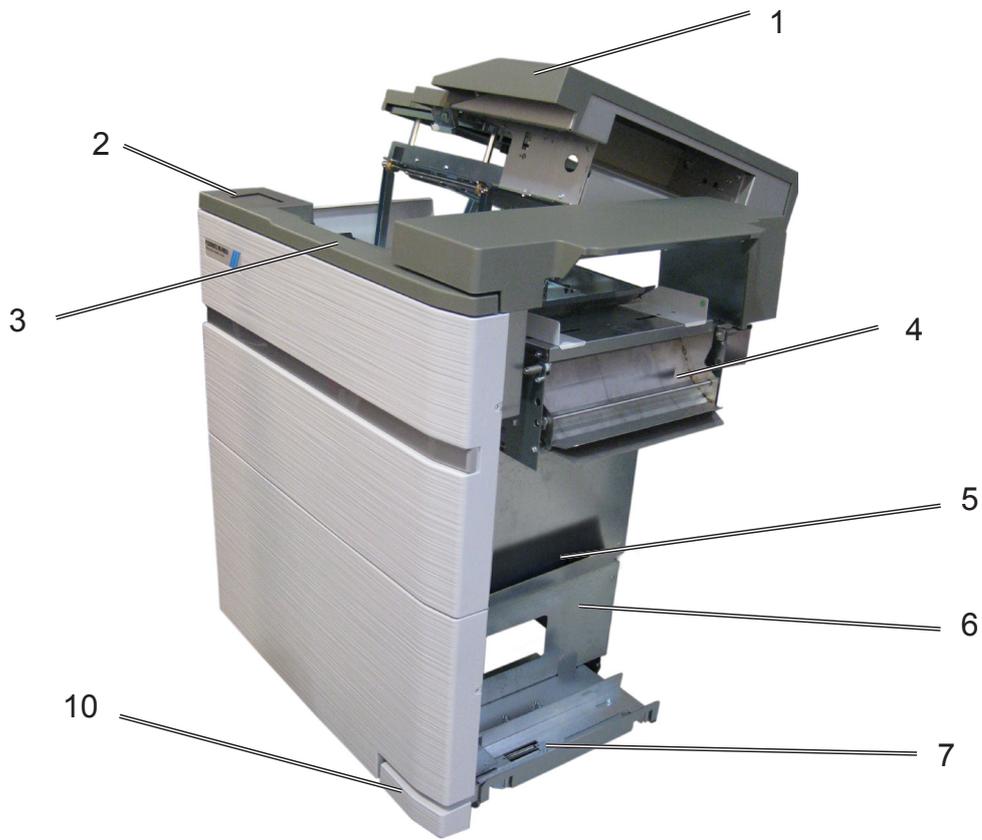


The user interface/control panel is of touch screen type. Point at the screen and press the “button” to reach the desired function or change the desired setting.



Guide To Components

Booklet Maker

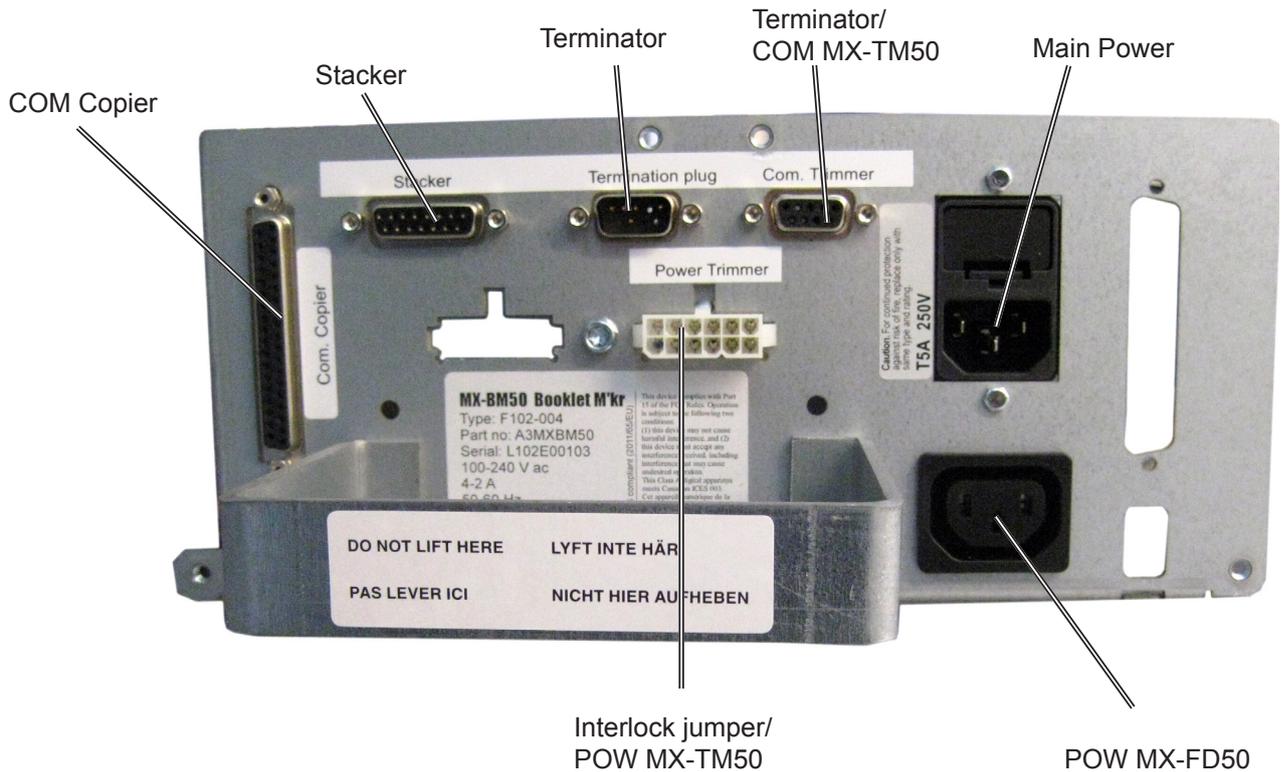


- | | | | |
|---|-------------------------|----|-----------------------------|
| 1 | Top cover | 6 | Base |
| 2 | Control panel | 7 | Docking assembly |
| 3 | Main power switch | 8 | Belt Stacker |
| 4 | Infeed assembly | 9 | Belt Stacker Cover |
| 5 | Exit tray storing shelf | 10 | Lever for docking/undocking |

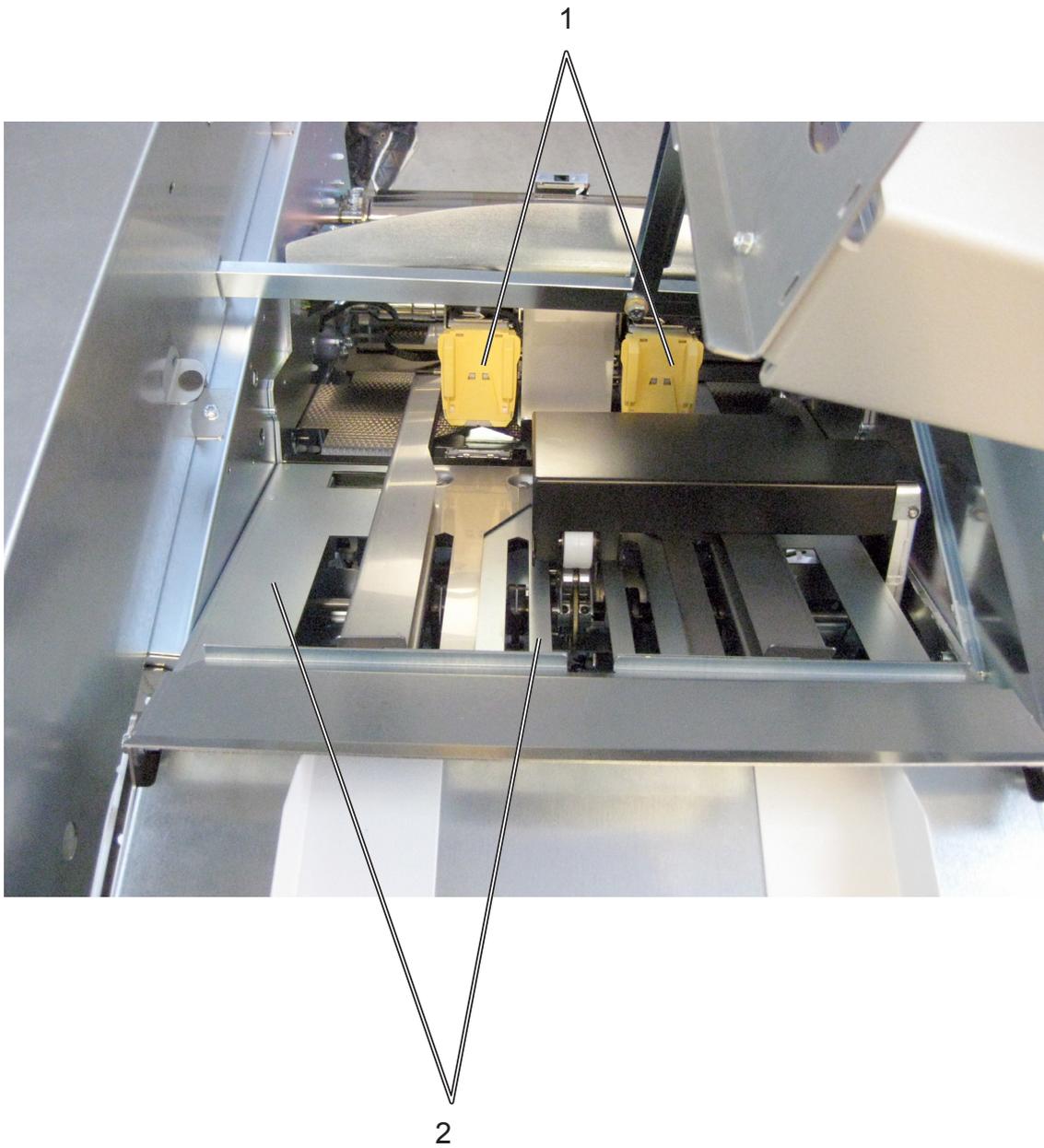
Booklet Maker, continued



- 8 Connections
- 9 Fold stop gate



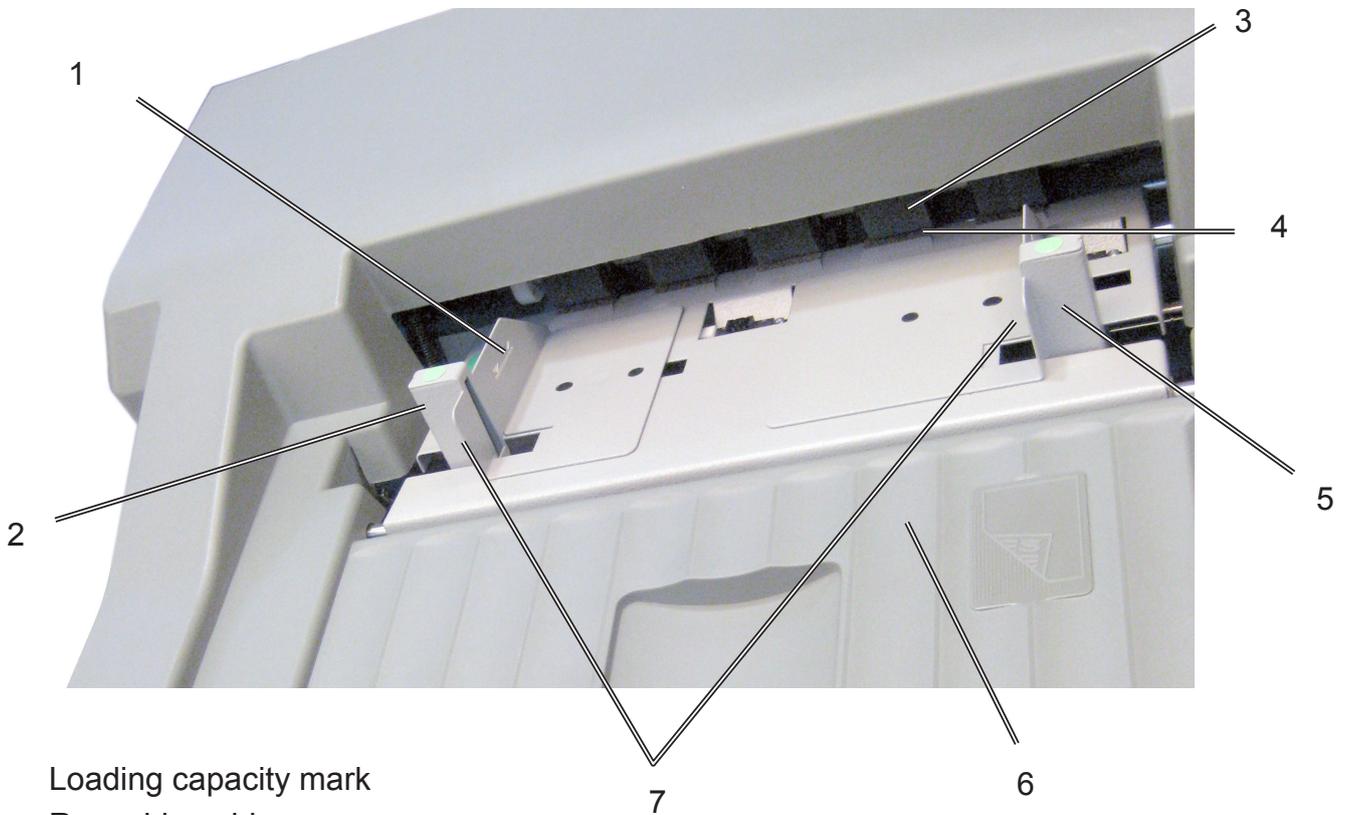
Booklet Maker, continued



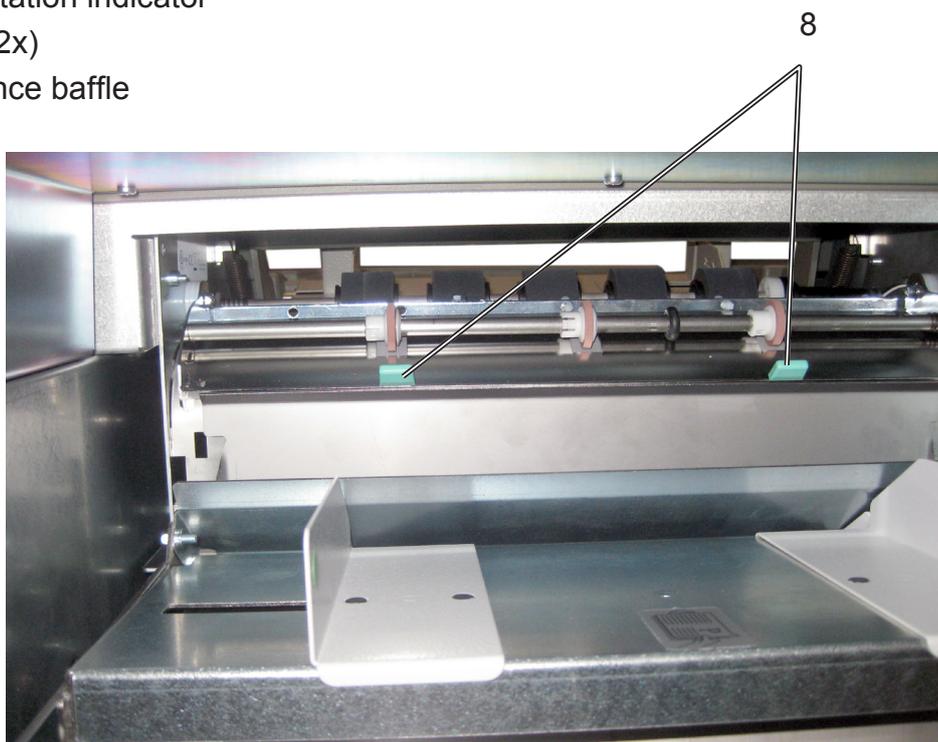
- 1 Staple cartridges (incl. stapler heads)
- 2 Hand feeding paper guides

Options

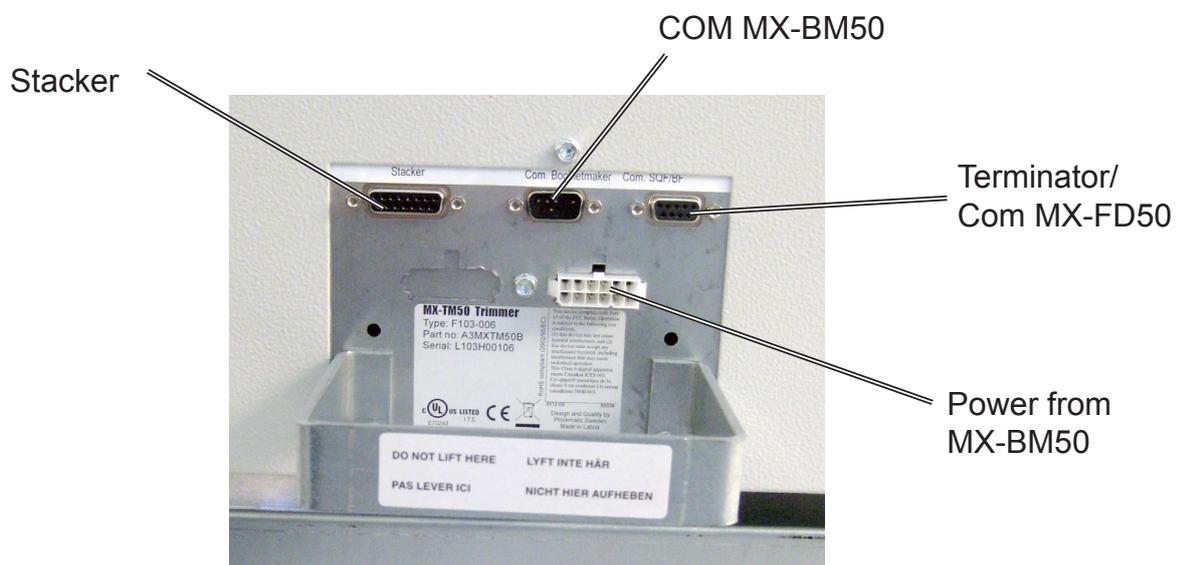
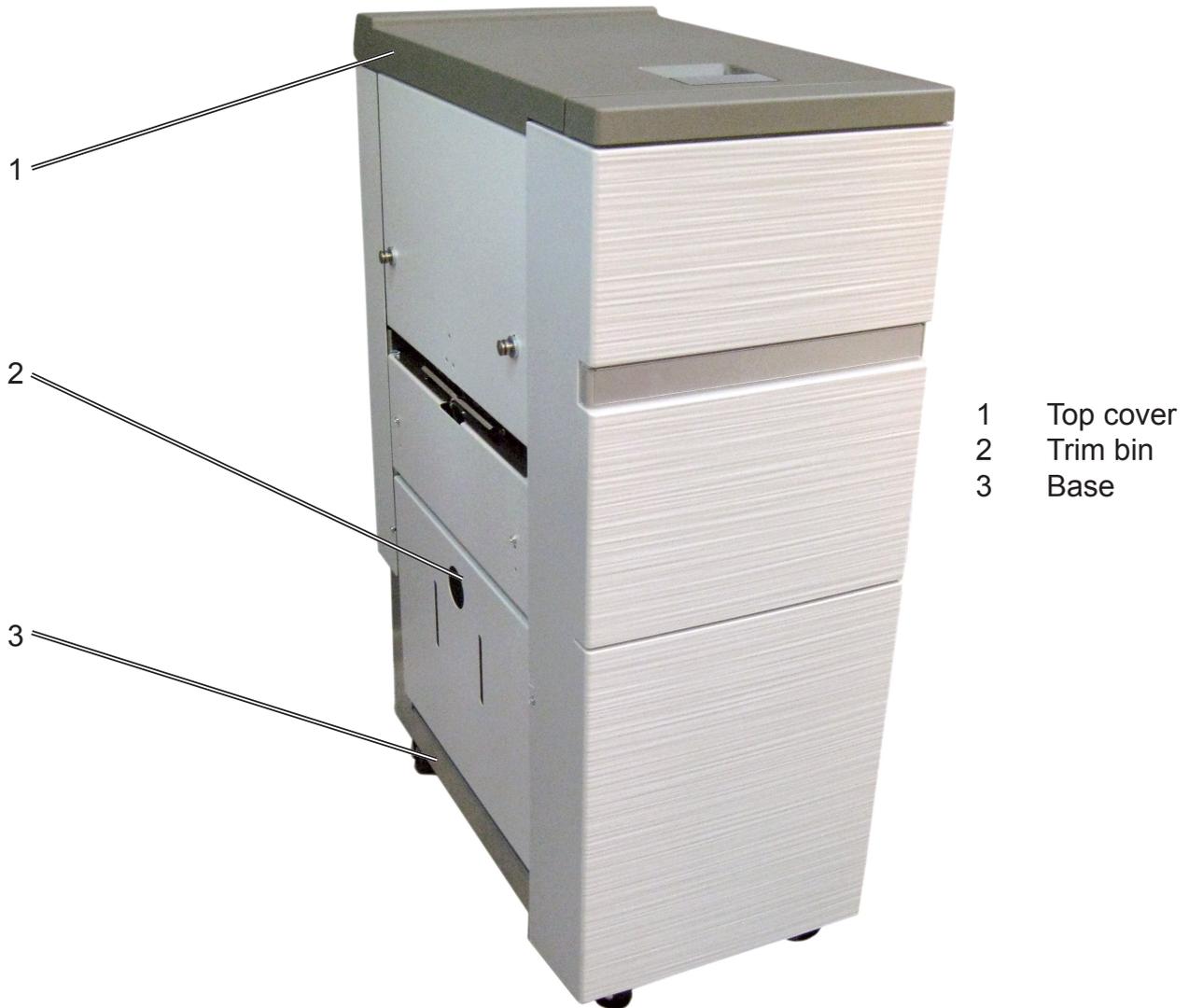
Cover Feeder



- 1 Loading capacity mark
- 2 Rear side guide
- 3 Feed roller assembly
- 4 Paper separator pad (also see page 52)
- 5 Front side guide
- 6 Paper orientation indicator
- 7 Air nozzle (2x)
- 8 Jam clearance baffle

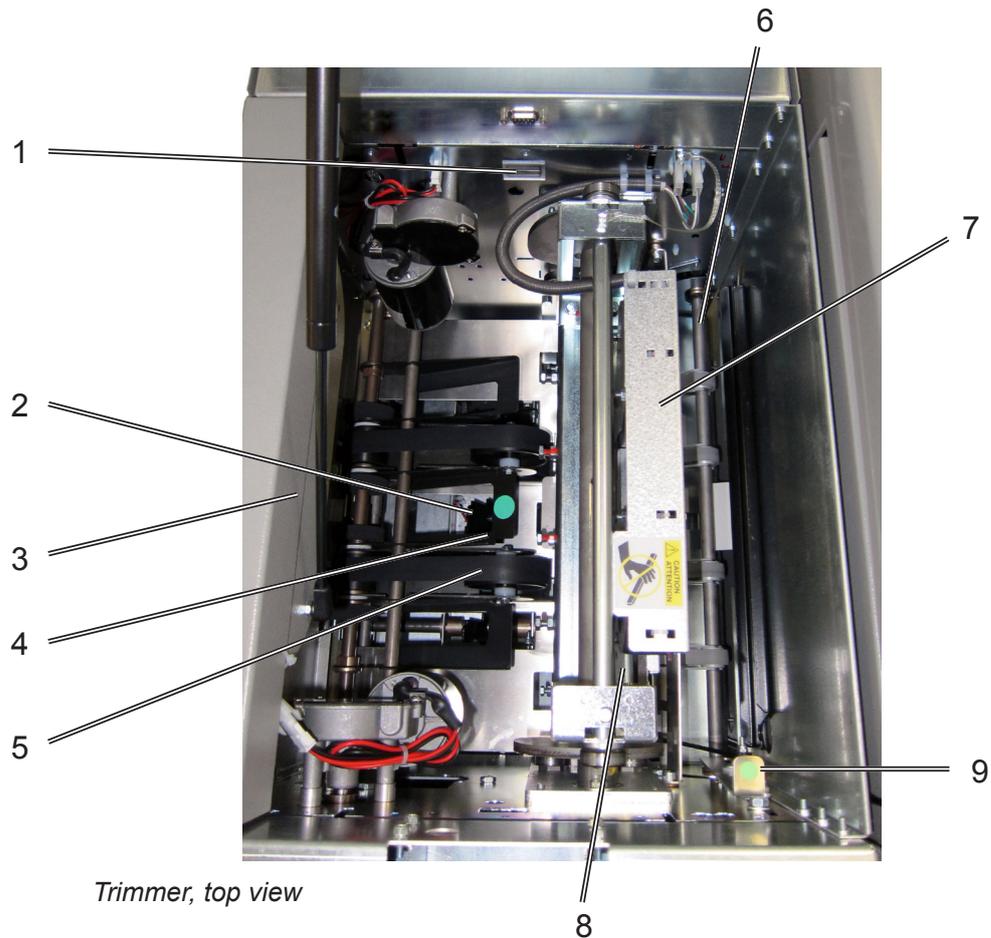


Trimmer



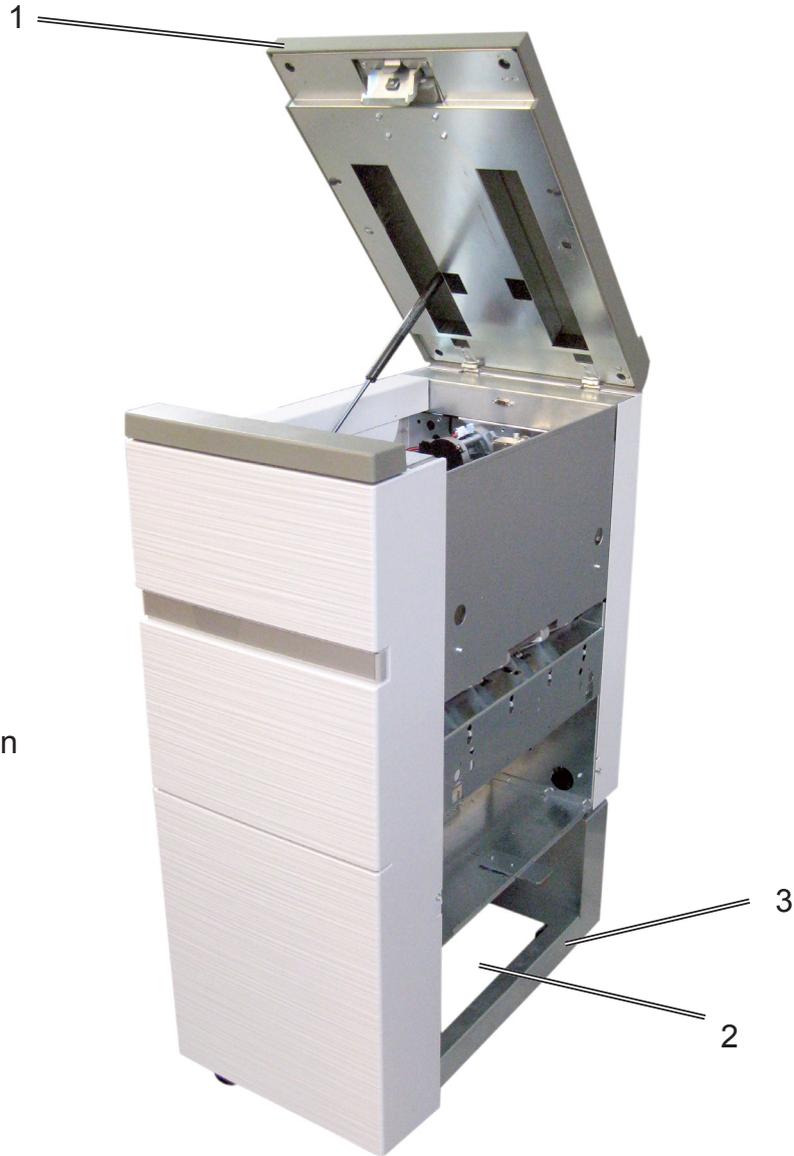
Trimmer, continued

The Trimmer interior has parts that you will come in contact with if a misfeed occurs.

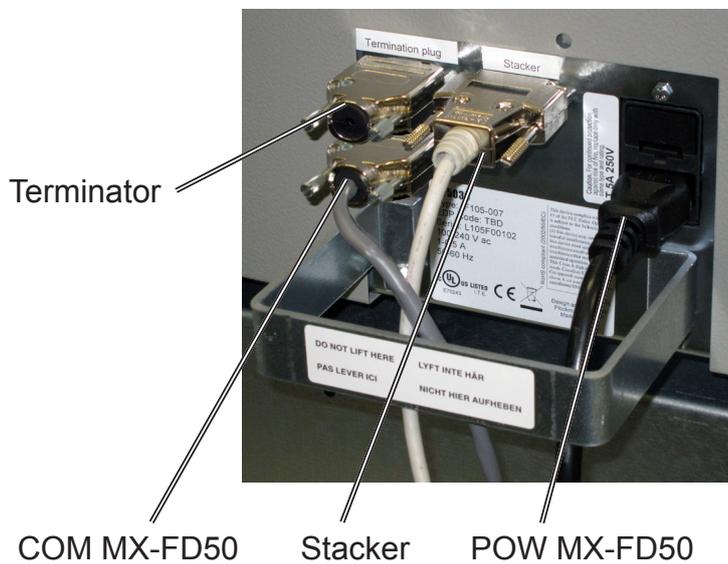


- | | | | |
|---|-----------------------------------|---|---------------------|
| 1 | Set counter | 5 | Transport belt |
| 2 | Trimmer stop | 6 | Infed roller shaft |
| 3 | Outfeed drive release | 7 | Trimmer fan |
| 4 | Pre-trimming compressing brackets | 8 | Upper knife |
| | | 9 | Infed drive release |

Square Folder

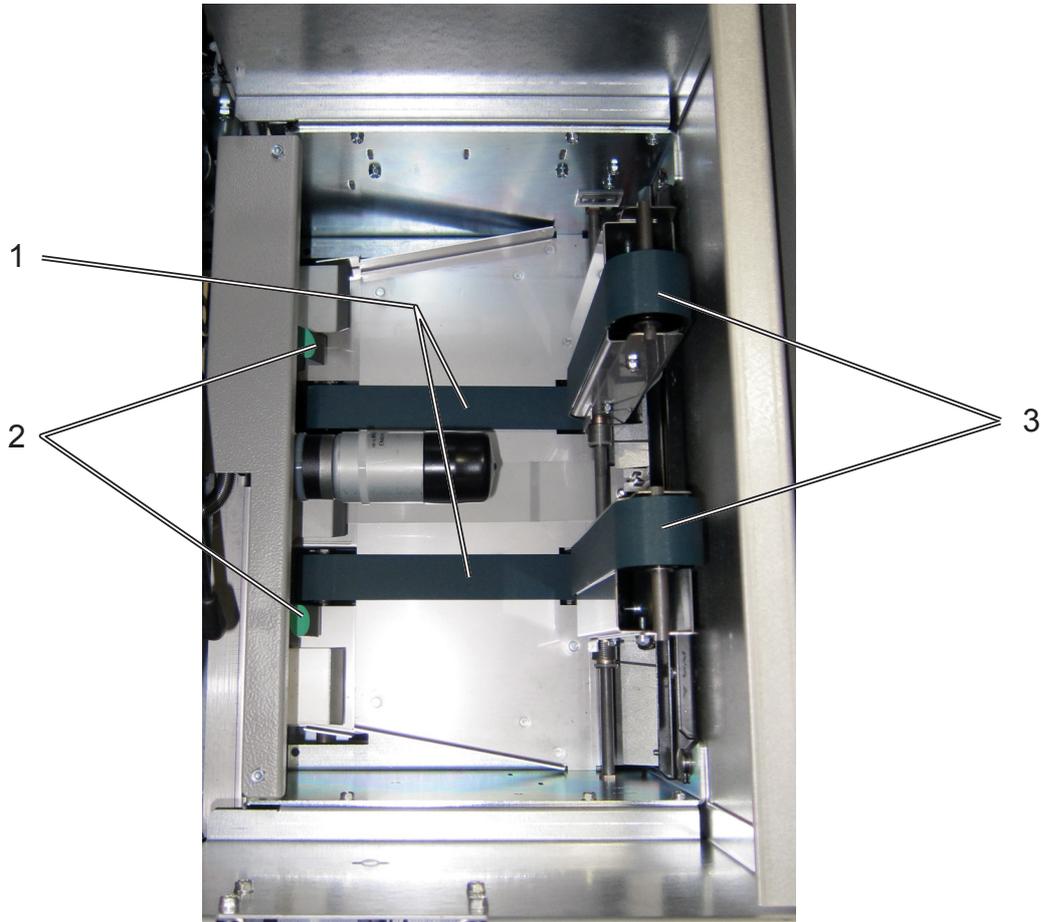


- 1 Top cover
- 2 Trim bin location
- 3 Base



Square Folder, continued

The Square Folder interior has parts that you will come in contact with if a misfeed occur.



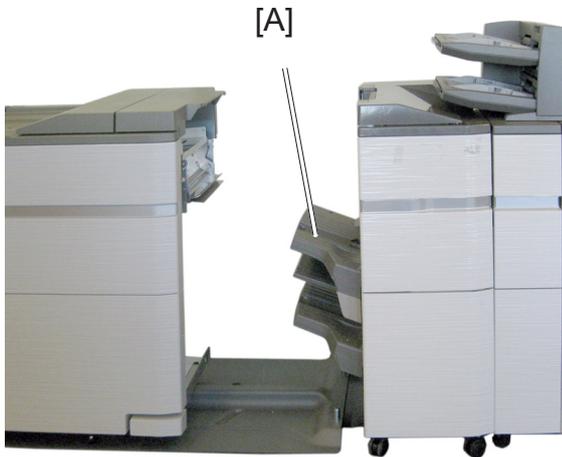
*Square Folder, top view,
Upper feed belts in lifted up*

- 1 Lower feed belts
- 2 Upper feed belts release latch
- 3 Upper feed belts

1. Basics

Docking / Undocking

Docking the Booklet Maker System



1 Make sure that no paper is left in the finisher trays [A]
Remove if any.

2 Enable the booklet maker mode via:

Settings -> System Settings -> Device Control
(admin login required).

A message will then appear prompting the user to
reboot the main unit.

3

Reboot the main unit.

A message will appear on the main unit's operation panel, indicating that the Booklet Maker has been mechanically disconnected.

Message: The Booklet Maker is not connected.

Touch the [OK] button to close the message.

Note that the remaining jobs in the machine will disappear.



4

Power on the Booklet Maker.

Make sure that the finisher trays have gone
down to their lowest positions.

The finisher trays should be at their lowest positions.

1



5 Connect the Booklet Maker mechanically.

You need to confirm visually that the finisher trays are at their lowest positions, because they cannot be detected mechanically.

The finisher trays do not go down unless any paper left is removed. A message prompting to remove the paper will come up.

If the Booklet Maker power is off, a message notifying the status will come up.

The above steps are required because the main unit cannot automatically detect the connection of the Booklet Maker.



Undocking the Booklet Maker System



- 1 To disconnect the booklet maker from the finisher, press the lever [A] and simultaneously pull the Booklet Maker away from the finisher [B].



- 2 Move the Booklet Maker to the stopper at the rail end to make sure that the Booklet Maker is disconnected completely.
A message appears on the main unit's operation panel indicating that the Booklet Maker has been mechanically disconnected.
Message: The Booklet Maker is not connected.

Touch the [OK] button to close the message.

Continued on next page.

- 3** Disable the booklet maker mode in the system settings.
Settings -> System Settings -> Device Control to disable the Booklet Maker mode (admin login required).
A message appears prompting the user to reboot the main unit here.
Message: Reboot the main unit.

- 4** **NOTE:** The machinery might be damaged by the finisher trays going up when the main unit is inadvertently turned on while the Booklet Maker has not been disconnected mechanically.

When the booklet maker is mechanically disconnected the power should remain switched on.

If the power is not switched on when the Booklet Maker is disconnected, the Sharp Finisher will not be able to detect the disconnection.

A message prompting to turn on the power comes up on the MFP (multifunction printer) main unit display if the Booklet Maker power is off and the dedicated PWB for the Booklet Maker connection is installed.

- 5** Reboot the main unit. Note that the remaining jobs in the machine will disappear.

Turning On / Off the Main Power

Booklet Maker, Cover Feeder, Trimmer and Square Folder



1

1 Plug the Booklet Maker power cord into the wall outlet. Cover Feeder (optional), Trimmer (optional) and Square Folder (optional) are powered from the Booklet Maker.

2 Open the Top cover [A].

3 Set main power switch [B] on Booklet Maker to ON position.

 **Note**

The main power switch also controls Cover Feeder (optional), Trimmer (optional) and Square Folder (optional).

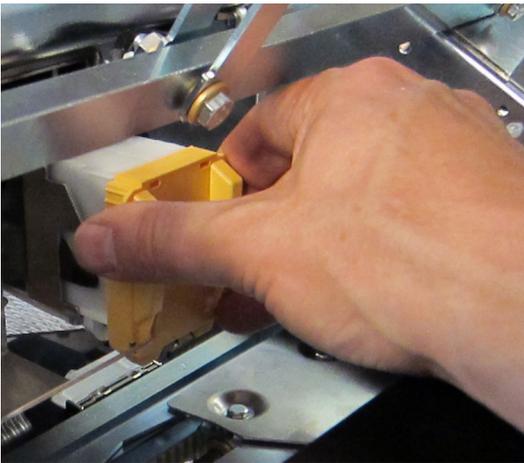
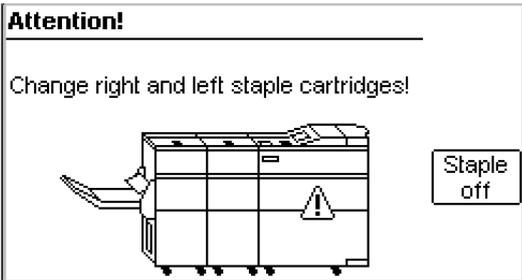
4 Close the Top cover.

Change staple cartridges and Check stapler

The staple cartridges contains approximately 5000 staples each. Each cartridge includes all wear-out and service parts (i.e. the stapler head). The cartridges may be removed either for renewal or for jam clearance.

1

Change left/right staple cartridge(s)

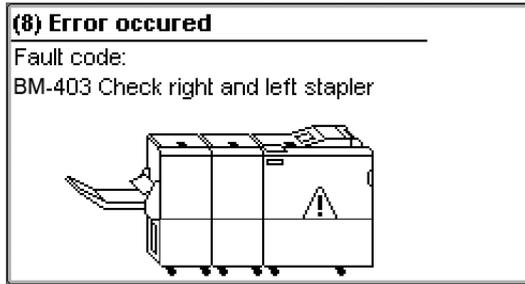


The Booklet Maker will indicate “Change right and left staple cartridges” when there is app. 20 staples left in the stapler cartridge. Replace the indicated staple cartridge by doing the following:

- 1** Open the Booklet Maker top cover.
- 2** Pull out the staple cartridge using the grip [A] at both sides at the top of the staple cartridge.
- 3** Renew by pushing a new staple cartridge into stapler until it snaps in position.
- 4** Close Booklet Maker top cover and restart the job.



Check left/right stapler



[A]

If the Booklet Maker indicates “Check right and left stapler cartridges”, it means that there is a jam in the indicated stapler. Remove the stapler cartridge as described above.

- 1 Open the Booklet Maker top cover.
- 2 Pull out the staple cartridge.
- 3 Remove any sheets left in the Booklet Maker and look for jammed staples stuck in the sheets.
- 4 Look inside the staple cartridge for jammed staples and remove them if any.
- 5 Look at the clinchers [A] and remove any jammed staples.
- 6 Push the staple cartridge into stapler until it snaps in position.
- 7 Close Booklet Maker top cover and restart the job.

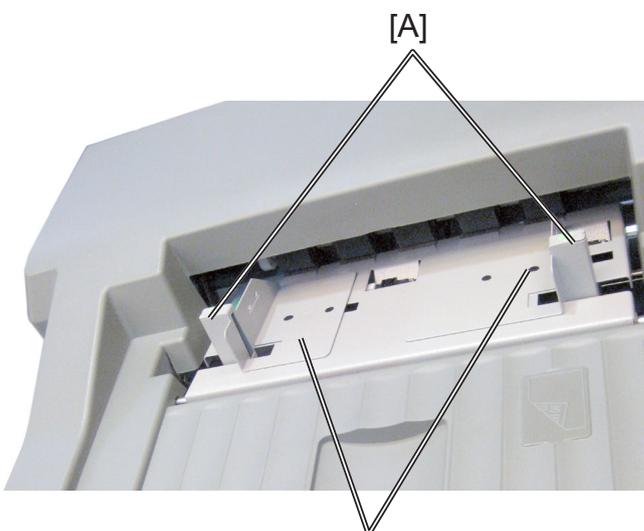
Note

If the error message persists for no reason or if staple jam reoccurs, renew the staple cartridge as described above.

1

Cover Feeder

Loading covers



[B]

- 1 Make sure that the cover sheets are well fanned to avoid misfeeds or double-feeds.
- 2 Align the cover sheets well to achieve a reliable feeding operation and good finishing results.
- 3 Make sure that the ink has completely dried, to avoid smearing.
- 4 Press on top of either air nozzle [A] to lower the paper tray. Load the covers facing downwards into the paper tray.
- 5 Move the adjustable side guides [B] up against the cover sheets until there is no clearance.

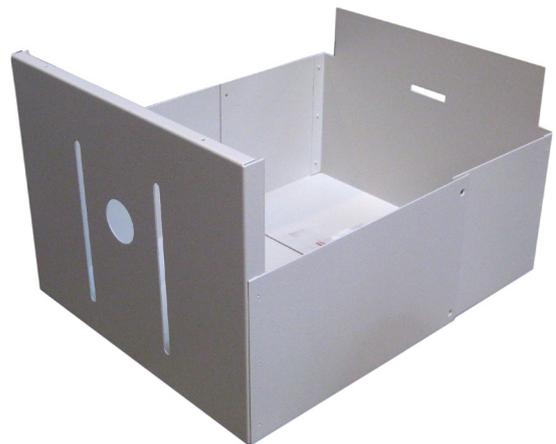
Emptying the trim bin

Remove the trim bin by lifting it and pulling it out.

1



trim bin, no Square Folder installed



trim bin, with Square Folder installed

2. Making Booklets

Changing settings

General procedure

Changing of settings can be performed in two ways. Temporary, which means that the changes will remain until a new job is loaded or permanent, which means that the changes will be stored as a job. This job can later be recalled.

Procedure for temporary changes:

From the Ready screen, select the option you wish to change and press the [Change] button. Confirm changes by pressing the [OK] button.

Procedure for permanent changes:

From the Ready screen, press the [Jobs] button to reach the Jobs screen. Select the Job you want to change by pressing the [Next] button and then press the [Change] button.

Note

Choose either of the above mentioned procedures when changing size, stapling, trimming, covers or book folding as follows.

Paper Size

Selecting standard paper sizes

(1) Ready		Jobs
Paper Size *Auto (Shrunked)		
Staple On	Cover Off	
Staple position Auto	Fold position Auto	
Trim: On 4.5mm	Book fold unit Auto	Tools

From the Ready screen, press the [Paper Size] button.

(2) Paper Size		
*Auto	*Custom 1 297.0x210.0mm	Cancel
*A4 *8.5x11"	*Custom 2 297.0x210.0mm	
*A3 *8.5x14"	*Custom 3 297.0x210.0mm	
*SRA3 *11x17"	*Custom 4 297.0x210.0mm	
*B4 *12x18"		OK

Select Auto or any standard paper size by pressing the corresponding button. Selecting Auto means that the Booklet Maker will automatically adjust to the same paper size (A4, A3, 8.5"x11", 8.5"x14", 11"x17" or B4) as the copier.

For other paper sizes, follow "Custom paper size" as described on the next page.

Custom paper size

2

(2) Paper Size

*Auto	*Custom 1 297.0x210.0mm	Cancel	
*A4 *8.5x11"	*Custom 2 297.0x210.0mm		OK
*A3 *8.5x14"	*Custom 3 297.0x210.0mm		
*SRA3 *11x17"	*Custom 4 297.0x210.0mm		
*B4 *12x18"			

From the Paper size screen, select any of the present custom size formats and press the [Edit] button.

 **Note**

The asterisk (star) indicates that the Auto shrink function is activated. See page 35.

(3) Custom 1

Length: 297.0mm	1	2	3	Cancel	
Width: 210.0mm	4	5	6		OK
	7	8	9		
	0				

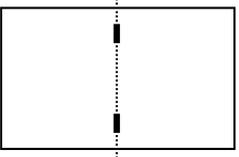
Select Length or Width and key in the desired value. Save the custom size format by pressing the [OK] button.

Four different custom paper sizes can be stored.

Staple

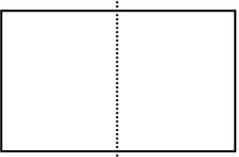
Selecting stapling On or Off

(16) Staple

	Cancel	
On		Off

From the Ready screen, press the [Staple] button.

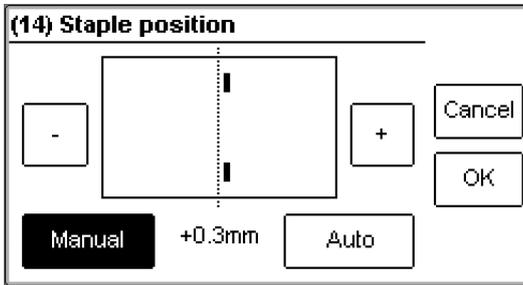
(16) Staple

	Cancel	
On		Off

Select On or Off by pressing the corresponding button and save setting by pressing the [OK] button.

Staple position

Adjusting staple position



The position of the staples can be changed up to 3 mm (0.12") on either side of the fold. Press the [-] or [+] button to change position of the staples and save setting by pressing the [OK] button.



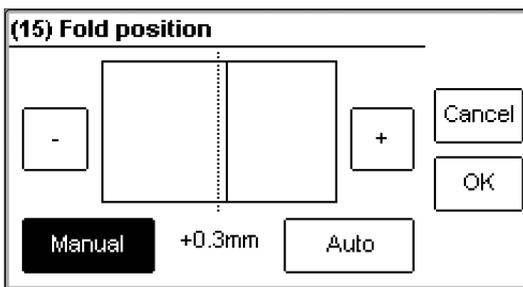
Note

This change can be performed during run.

2

Fold position

Adjusting fold position



The position of the fold can be changed up to 3 mm (0.12") on either side of the centre of the set. Press the [-] or [+] button to change position of the fold and save setting by pressing the [OK] button.



Note

This change can be performed during run.



Note

You may want to turn off trimming to see the result more clearly when you move the fold position.

Cover

If a Cover Feeder is present, the [Cover] button will be visible in the control panel. Set to On, the Cover Feeder will automatically feed one cover to each set from the copier, or if you are manually feeding a set. The Cover Feeder can be used in either for feeding regular covers or for feeding protection sheets.

2

In the first case, higher paper weight, pre-printed covers are fed to the set waiting in the compiler. The set and the cover are then stapled and folded together.

In the latter case the sheets in the set are jogged and stapled **before** the protection sheet is fed. The set and the cover sheet are then folded together.

Depending of the system setup, the booklet is then fed to the belt stacker or to the Trimmer.

Using covers

(1) Ready		Jobs
Paper Size *Auto (Shrinked)		
Staple On	Cover Off	
Staple position Auto	Fold position Auto	
Trim: On 4.5mm	Book fold unit Auto	Tools

From the Ready screen, press the [Cover] button to go to the Cover screen.

(18) Cover			
Cover On	Protection sheet on	Off	Cancel
Purge cover			
Air separation 40%			OK
Double sheet detection On			

Select [Cover On], [Protection sheet on] or [Off] by pressing the corresponding button and save setting by pressing the [OK] button.

 **Note**

To avoid that fault code “CF-503 Load covers” will be shown, load covers **before** selecting [Cover On] or [Protection sheet on]. See section 1. Basics

(18) Cover			
Cover On	Protection sheet on	Off	Cancel
Purge cover			
Air separation 40%			OK
Double sheet detection On			

The Purge mode is used when you want to completely empty the Cover Feeder from covers.

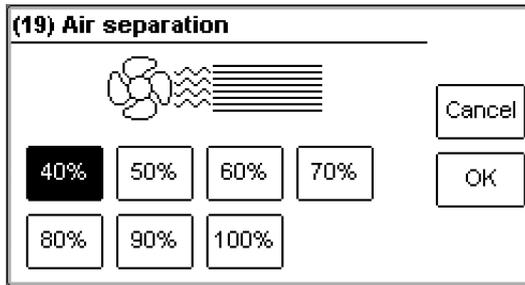
- 1** Remove all cover sheets from the bin.
- 2** Select Purge and press the [OK] button. The prefed cover sheet will now be fed into the Booklet Maker to the stapling area, but without being stapled.

- 3** Open the Top Cover and remove the cover sheet.

 **Note**

If you open and close the Top Cover without removing the cover sheet, the cover sheet will be stapled and folded and then fed to the stacker.

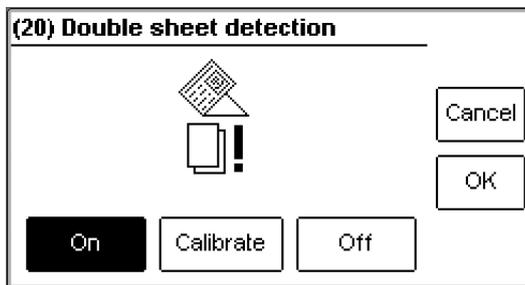
Air Separation



You might want to increase the Air flow when running thick, heavy covers. From the Cover screen, press the [Air separation] button to go to the Air separation screen.

Set the desired amount of air flow by pressing the corresponding button and save setting by pressing the [OK] button. Default) setting is 40%.

Double Sheet Detection



From the Cover screen, press the [Double sheet detection] button to go to the Double sheet detection screen.

Set the detection to On or Off by pressing the corresponding button and save setting by pressing the [OK] button.

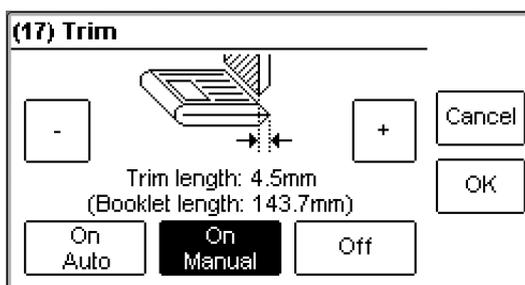
Normally double sheet detection should be set to On when you are feeding covers. However, if you experience “false double sheet feeds”, for example when running covers that are thick, with dark print or with mixed prints on the covers, the double sheet detection can be set to Off.

Note

Misfeed detection will work regardlessly.

Trim

Select trimming Auto, Manual or Off



From the Ready screen, press the [Trim] button. Trimming can be set to on, off or auto. When trimming is set to auto, a minimum trim, based on the information about paper weight and number of sheets in the set, is calculated. To set the trim manually, press the [On Manual] button and use the [+] or [-] buttons to set the desired value. Save setting or trim state by pressing the [OK] button.

See page 68 for trim specification.

Book Folding

General

The Square Folder has seven different settings. It can be set to [Auto], [Off], [Mode 1], [Mode 2], [Mode 3], [Mode 4] or [Mode 5].

2

In [Auto] mode, the Booklet Maker automatically sets the Square Folder to the correct mode based on the information about paper weight and number of sheets in the set.

 **Note**

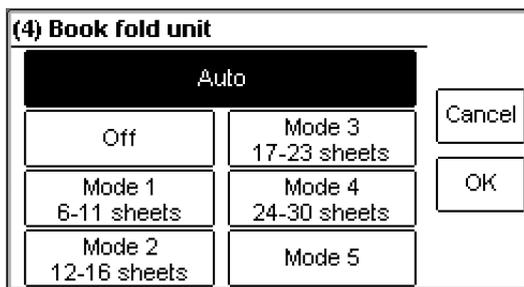
When the Square Folder is set to [Auto] and the booklet has less than approximately 6 sheets/booklet, the Square Folder will bypass the Square folding action, transporting the booklet out to the Belt stacker.

Select [Off] to bypass the Square Folder without any square forming action.

Use the manual modes to override the auto function. There are five different manual modes to select from.

- Mode 1: Approximately 6 to 11 sheets. Decreased amount of square forming.
- Mode 2: Approximately 12 to 16 sheets. Medium amount of square forming.
- Mode 3: Approximately 17 to 23 sheets. Increased amount of square forming.
- Mode 4: Approximately 24 to 30 sheets. Maximum amount of square forming.
- Mode 5: The square forming action is performed twice. This mode can be used when the booklet has extra high paper weight cover and square forming using the above modes still not produces a flat booklet.

Selecting book folding mode



From the Ready screen, press the [Book fold unit] button.

Select the desired mode and save setting by pressing the [OK] button.

On-line/Off-line

The Booklet Maker can be operated in two modes. On-line mode, when used together with the copier, or off-line mode, working as a stand-alone unit.

Off-line mode

- 1** Follow “Undocking the Booklet Maker” in section 1. Basics.
- 2** Adjust the hand feeding paper guides to the correct paper size.
- 3** Turn on the Booklet Maker.

The Booklet Maker is now in stand-by and will start automatically when a set is fed into the Booklet Maker. If settings need to be changed, follow “Changing settings” earlier in this section.

If the hand feeding process needs to be aborted or interrupted, use the Stop button in the user interface display.

On-line mode

- 1** Follow “Docking the Booklet Maker” in section 1. Basics.

Begin On-line Production



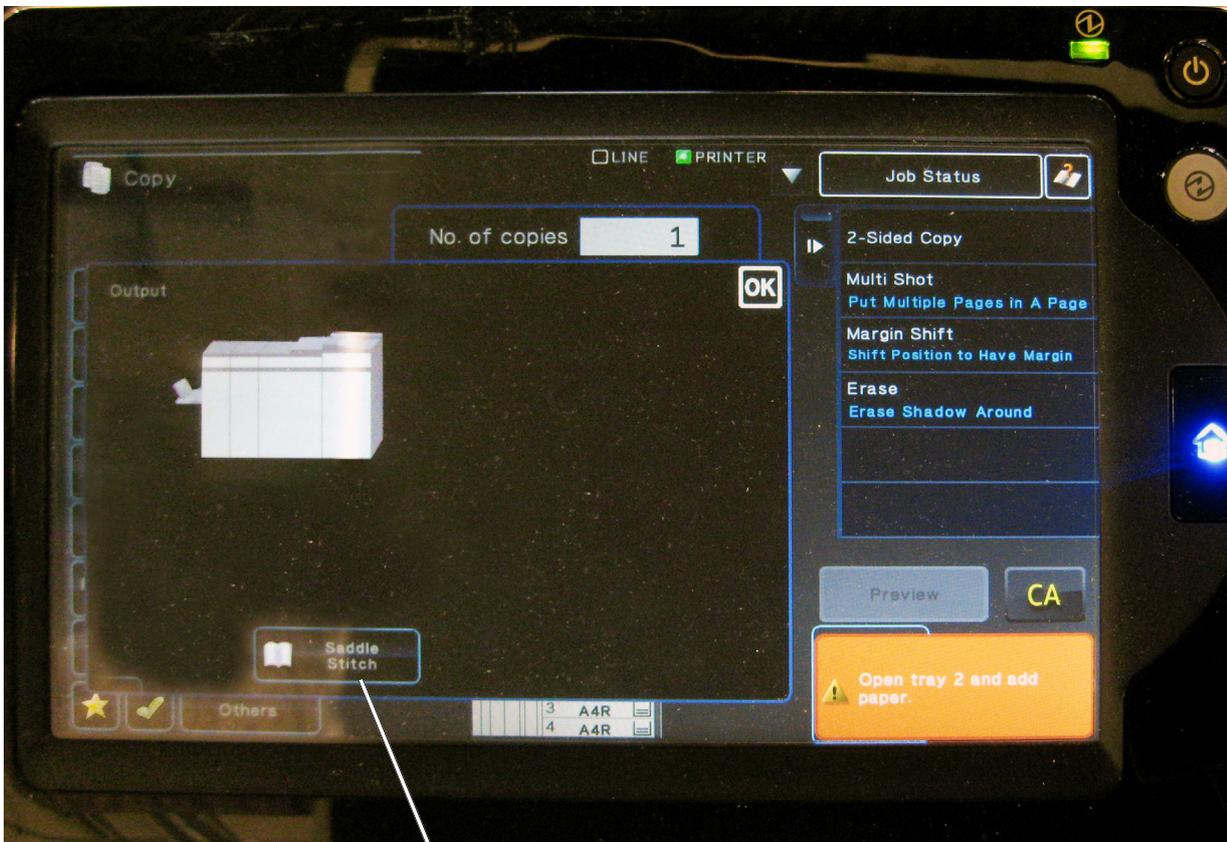
1 From Main menu [A] select Copy icon.

You can always return to the previous meny by pressing the back navigation button [B]



2 From Copy meny, you can select Quantity, Orientation and many others settings.

Make sure to select Saddle stitch [C] when running your first test job, by selecting icon Copy followed by icon Output.



2

[C]

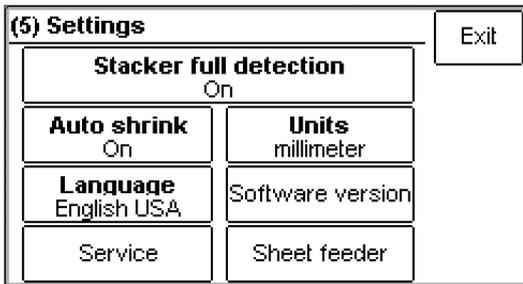
More features and functions are available from the main menu and the submenus.

Explore them to find a customized setting for different job specifications.

3. Tools

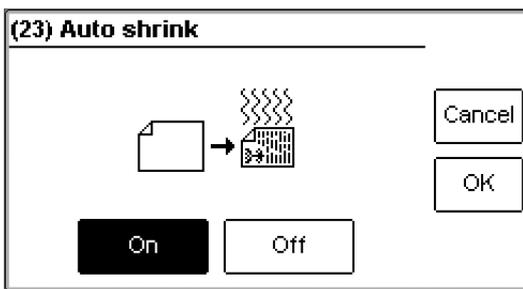
The Tools Screen

The Tools screen.



From the Ready screen, press the [Tools] button to get to the Settings screen. Select the setting you want to change and press the corresponding button.

Auto shrink

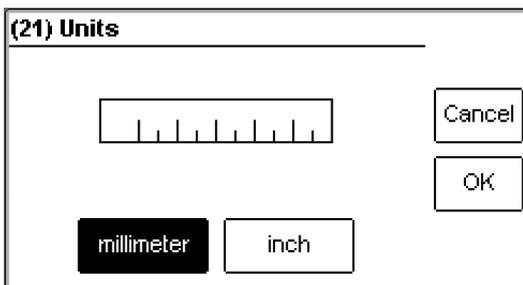


The Booklet Maker system is able to compensate for the shrinkage that occurs when the sheets are sent from the printer. The compensation factor is calculated based on the information about paper weight and paper size. Turn the function on or off by pressing the corresponding button and save setting by pressing the [OK] button. An asterisk (star) in front of the paper format indicates that Auto shrink is on.

Note

Compensation for shrinkage will not be activated if the Cover Feeder is on or when sets are hand fed.

Units



Select millimetres or inch by pressing the corresponding button and then save setting by pressing the [OK] button.

Language

Language

Češky	Hrvatski	Русский	Cancel
Danske	Italiano	Slovenčina	
Deutsch	Magyar	Slovenski	OK
English	Nederlands	Suomalainen	
Español	Norske	Svenska	
Française	Polski	が本	

Select desired language by pressing the corresponding button and save by pressing the [OK] button.

3

Software version

(6) Software version	Exit	
CPU: 1.00 MD6DCB: 1.15 MD6DCC: 1.15 MD6DCH: 1.15		
MX-BM50	MX-TM50	MX-FD50

Select machine by pressing the corresponding button to display the software version. Press [Exit] button to go back to the Settings screen.

Service access

(5) Settings	Exit
Stacker full detection On	
Auto shrink On	Units millimeter
Language English USA	Software version
Service	Sheet feeder

This function is for authorized service personnel only and is password protected.

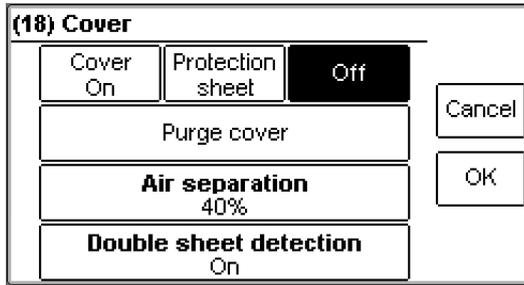
Sheet feeder

(13) Sheet feeder	Exit
Feeding: Off	
Start	
Stop	

This function allows you to individually fold the sheets loaded in the Cover Feeder in a sequence. Load the Cover Feeder and press the [Start] button to begin folding. Press the [Stop] button to stop.

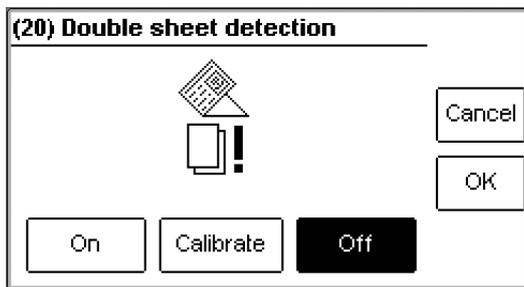
See section 2. Making Booklets, for how to load the Cover Feeder.

Double Sheet Detection



From this screen you can turn the double sheet detection On or Off. Select Double sheet detection, with the [arrow] button and press the [OK] button.

3



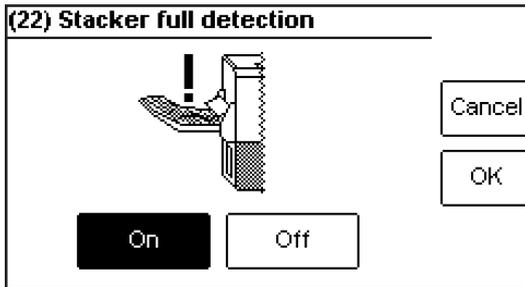
Normally double sheet detection should be set to On. However, if you experience “false double sheet feeds”, for example when running covers that are thick, with dark print or with mixed prints on the covers, the double sheet detection can be set to Off.

Stacker full detection

(1) Ready		Jobs
Paper Size *8.5x11" (279.2mmx215.2mm)		
Staple On	Cover Off	RCT
Staple position Auto	Fold position Auto	
Trim: On Auto	Book fold unit Auto	Tools

From this Ready screen you can turn the Stacker full detection On or Off, by first selecting Tool with the [arrow] button and then press the [OK] button.

3



Select if you want the Stacker full detection to be On or Off. Press the [OK] button to confirm.

When turned On the Stacker full detection can keep count of how many booklets are on the stacker and notifies when it's full and stops the printer. After emptying the stacker, reset the Stacker full det.

4. Jobs

Handling jobs

The BookletMaker has a maximum storage capacity of 20 different jobs. To make temporary changes in the actual job settings or temporary changes of a stored job, see section 2. Making Booklets. From the Ready screen, press the [Jobs] button to be able to store, change or delete jobs.

Saving a Job

(10) Jobs

Save as new job

Saved jobs

Active job:
No active job!

Memory status:
0/20 jobs stored

Exit

To store a new job, press the [Save as new job] button.

(12) Enter job name!

DAG1

1 2 3 4 5 6 7 8 9 0

Q W E R T Y U I O P

A S D F G H J K L

Z X C V B N M

Cancel

OK

-

Enter a job name and save by pressing the [OK] button.

(10) Jobs

Save as new job

Save to active job

Saved jobs

Active job:
DAG3

Memory status:
3/20 jobs stored

Exit

If you already have a job active, you can choose either to save your new settings as a new job or to save to the active job. Press the corresponding button to continue.

Continued on next page.

Handling stored Jobs

(10) Jobs		Exit
Save as new job	Save to active job	
Saved jobs		
Active job: DAG3		
Memory status: 3/20 jobs stored		

To access already stored jobs, press the [Saved jobs] button.

(11) Saved jobs		Exit
DAG1		Rename
DAG2		Open
DAG3		Delete

Rename, open (load) or delete any stored job by pressing the job button and choose action.

4

Recalling a Job

(1) Ready		Jobs
Paper Size *8.5x11" (279.2mmx215.2mm)		
Staple On	Cover Off	RCT
Staple position Auto	Fold position Auto	
Trim: On Auto	Book fold unit Auto	Tools

To recall a stored job press the [Jobs] button from the Ready screen to enter the Jobs screen.

(11) Saved jobs		Exit
DAG1		Rename
DAG2		Open
DAG3		Delete

Select the desired job. Then press the [Open] button. The Booklet Maker will then automatically setup that specific job and return to the Ready screen.

(1) Ready		(1) Job: DAG3		Jobs
Paper Size *8.5x14" (354.8mmx215.2mm)				
Staple On	Cover Off			RCT
Staple position Auto	Fold position Auto			
Trim: On Auto	Book fold unit Auto			Tools

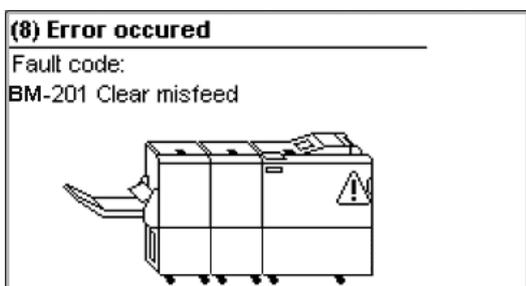
The Booklet Maker will then automatically setup that specific job and return to the Ready screen.

5. Clearing Misfeed(s)

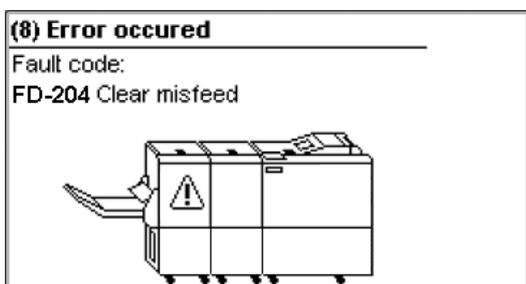
Clearing misfeed(s)

General

If a misfeed condition should occur, it is indicated on the Booklet Maker display. The message “Clear Misfeed(s)”, an error code and the location of the misfeed is displayed. See examples below.



Misfeeds in the Booklet Maker are indicated as area A, B or C and by the error code BM-201 to BM-208.

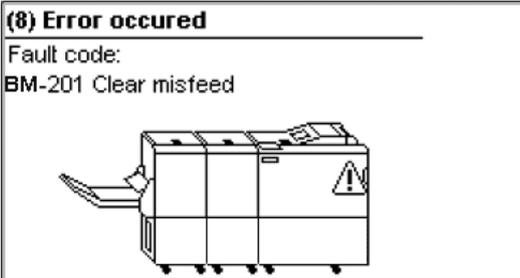


Misfeeds in the Square Folder are indicated as area E and by the error code FD-201 to FD-206.

Booklet Maker

Clearing misfeed(s)

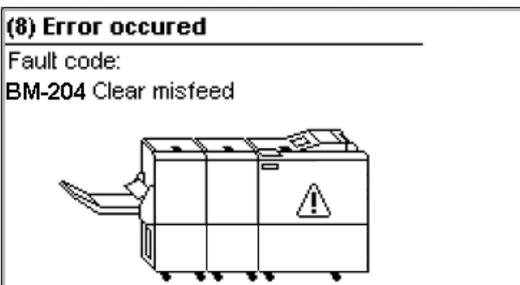
Inside the Booklet Maker



To clear a misfeed indicated in Area A or B

- 1** Open the top cover.
- 2** Remove misfed sheets.
- 3** Close the top cover.

5



To clear a misfeed indicated in Area C

- 1** Open the top cover.
- 2** Close top cover.

If misfeed condition remains:

- 1** Switch off the main power.
- 2** Switch on the main power.

If misfeed condition remains:

- 1** Switch off the main power.
- 2** If a Trimmer is installed, first remove the trim bin to get access to the fold stop. By hand, pull down the fold stop (page 8, item 9).
- 3** Remove misfed sheets.
- 4** Push the fold stop back into the upper position.
- 5** Switch on the main power.

Trimmer

Clearing misfeed(s)

The upper Trimmer blade on the Trimmer is protected by a knife protection plate that moves away during the cutting stroke.

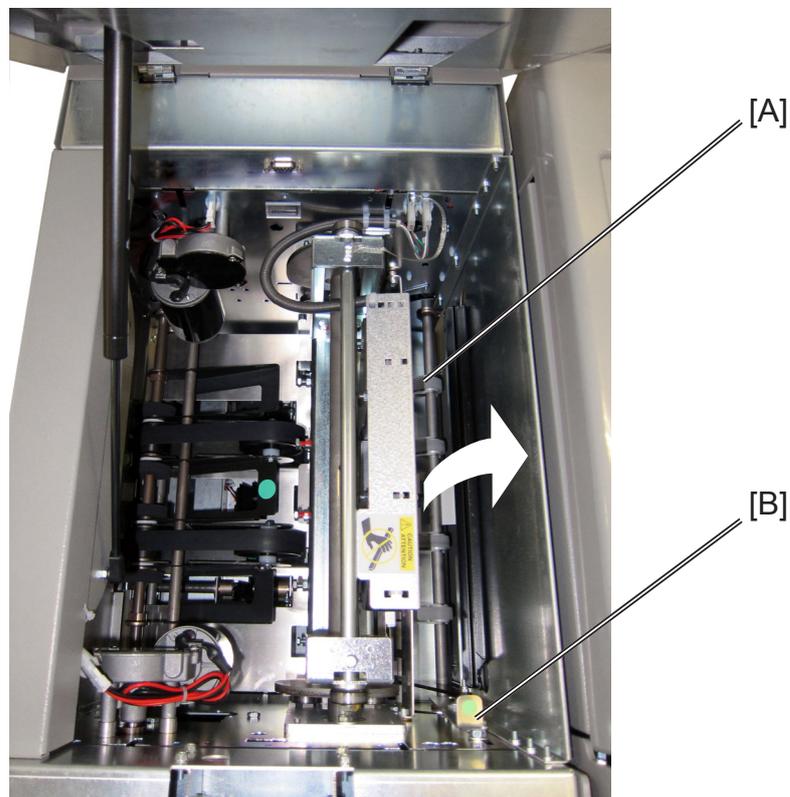
⚠ WARNING:

Never put fingers or other parts of the body between the upper and lower Trimmer knives.

Clearing misfeed in input area

- 1** Raise the infeed roller shaft [A] by lifting latch [B].
- 2** Remove the misfed sheets in the infeed area.
- 3** After the misfed sheets are removed, lower the latch [B] and place the infeed roller shaft into operating position.

5

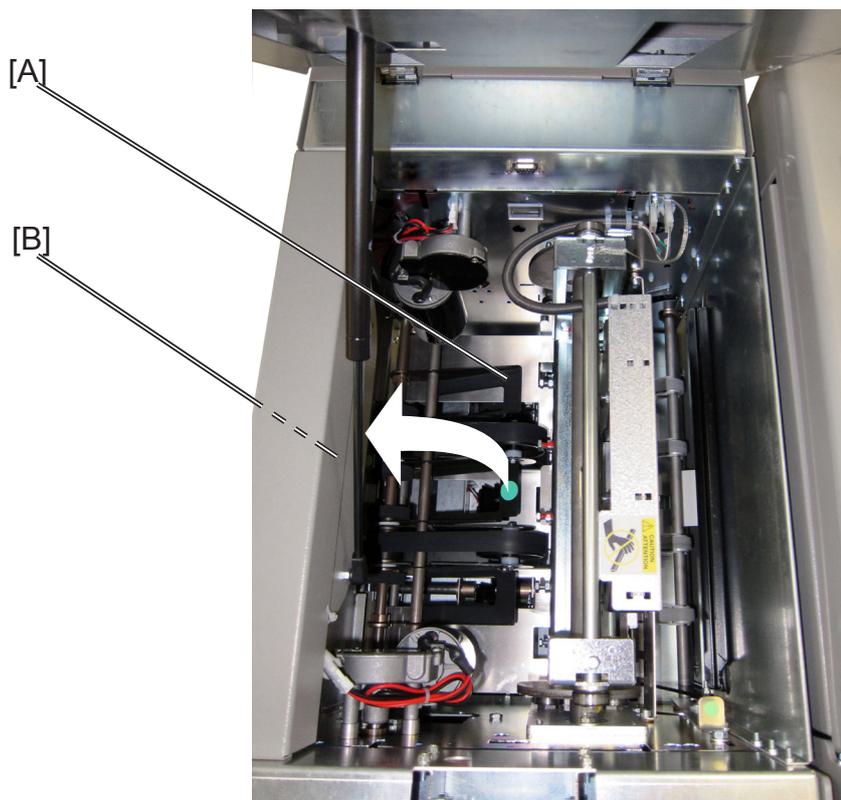


Clearing misfeed(s), continued

Clearing misfeed in exit area

- 1** Lift the pre-trimming compressing brackets [A].
- 2** Secure them under the latch [B].
- 3** Remove the misfed sheets from the exit area.
- 4** After the misfed sheets are removed, lift up the latch [B] and place the compressing brackets in operating position. Location of bracket not shown, just indicated.

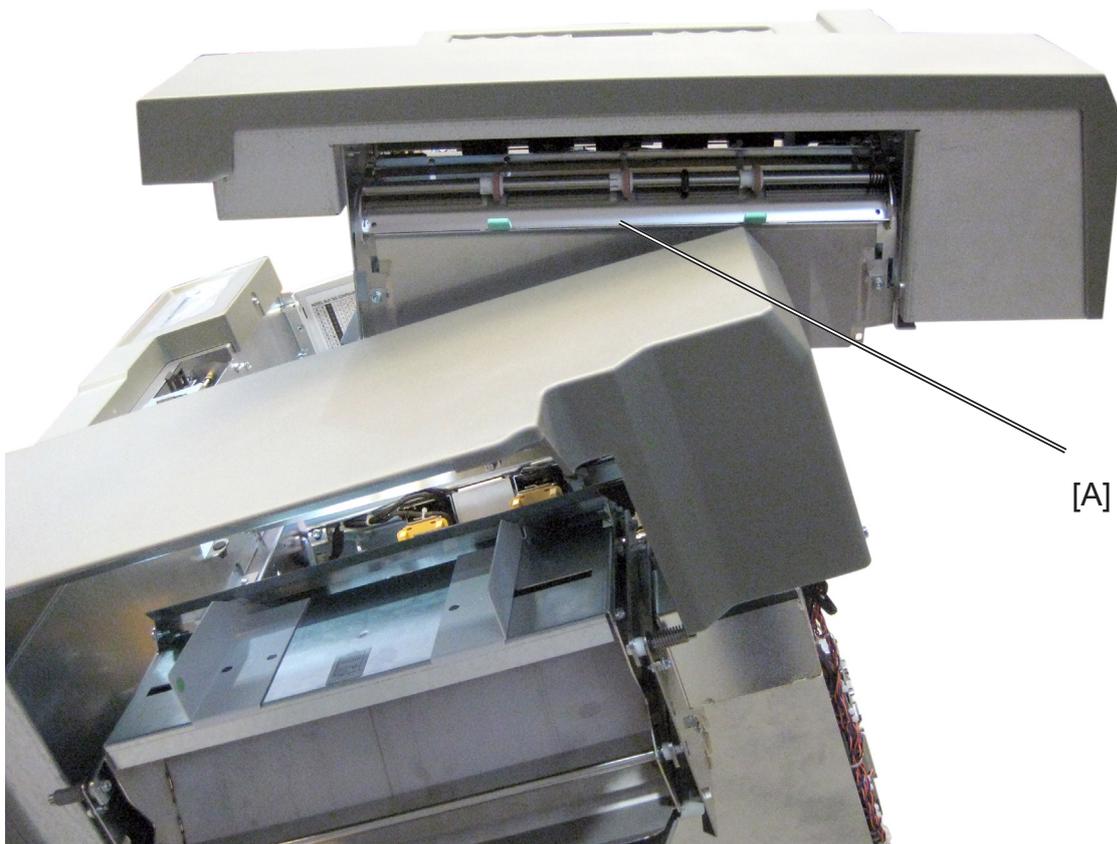
5



Cover Feeder

Clearing misfeed(s) in vertical transport area

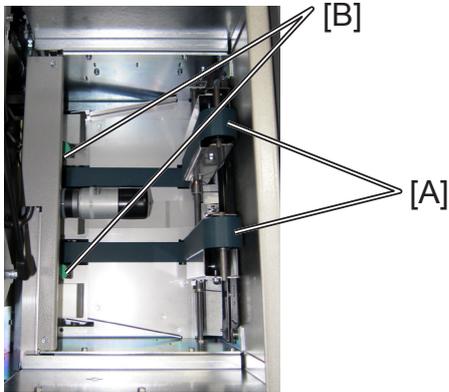
- 1** Open the Top Cover.
- 2** Lift the jam clearance baffle [A].
- 3** Remove the misfed cover.
- 4** Put the jam clearance baffle back in normal position.



Square Folder

Clearing misfeed(s)

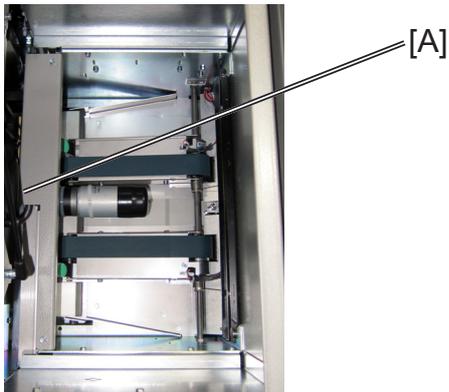
Inside the Square Folder



- 1** Open the top cover.
- 2** Lift up both upper feed belts [A].
Note
Press the green dots [B] on the latches to release.
- 3** Remove the misfeeds.
- 4** Place the upper feed belts in normal position.
- 5** Close the top cover.

5

Exit area



- 1** Open the top cover.
- 2** Remove the misfeeds through the jam clearance area [A].
- 3** Close the top cover.

6. Troubleshooting

Fault codes and attention messages

General

When there is a misfeed or fault condition in the Booklet Maker system, a message will be displayed on the Booklet Maker. In case there is a problem that can be rectified by the operator, a fault code and an explanation will be displayed.

For fault codes other than specified below:

Remove any paper in the paper path and power Off and On the system.

Fault codes that can be rectified by the operator:

Booklet Maker: BM-201-210, BM-401-403 and BM-501-BM-502

Cover Feeder: CF-202-207 and CF-501-502

Trimmer: TM-201-205

Square Folder: FD-201-206

BM-201 -208 indicates "Clear Misfeed(s)" in the Booklet Make

BM-209 indicates that the set is too thick to be folded

BM-210 indicates "Remove purged sets"

BM-401 -403 indicates "Check staple(s)" in the Booklet Maker

CF-202 -205 indicates "Clear Misfeed(s)" in the Cover Feeder

CF-206-207 indicates "Double feed" in the Cover Feeder

CF-502 indicates that there is a format mismatch between the cover sheets and the sheets sent from the copier.

TM-201-204 indicates "Clear Misfeed(s)" in the Trimmer

FD-201 -206 indicates "Clear Misfeed(s)" in the Square Folder

Attention messages that can be rectified by the operator:

Attention! Few covers left add covers:
Attention! Change cover size!
Attention! Change right and left staple cartridges!
Attention! Change right staple cartridge!
Attention! Change left staple cartridge!
Close cover(s)
Attention! Close trimmer belts
Attention! Empty trim bin!
Attention! Empty stacker!
Attention! Load covers!

 **Note**

If procedures in this manual do not rectify the problem an authorized technician will be needed.

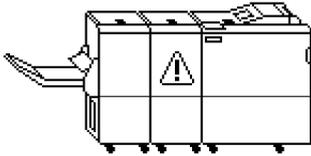
General fault codes and attention messages

Clear Misfeed(s)

(8) Error occurred

Fault code:

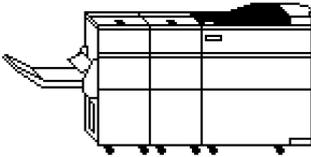
TM-204 Clear misfeed



In general, fault codes indicate a misfeed condition. When a misfeed occurs, the message “Clear Misfeed(s)”, a code and the jam area will be displayed. See section 5. Clearing Misfeeds, for how to clear a misfeed.

Close cover(s)

Close Cover(s)



When the message “Close Cover(s)” is displayed any of the interlock switches are actuated.

- 1** Check that the top cover is in down position.
- 2** Make sure that the cover of the Belt Stacker is in normal position, see section 5, Clearing Misfeeds, Exit area.

Booklet Maker fault codes and attention messages

Check stapler or Change staple cartridge

These messages will be displayed when a staple cartridge is empty or when stapling could not be performed. Check in the following order:

- If a staple cartridge is empty, replace according to section 1. Basics.
- If staple cartridges are OK; remove the set and check that the number of sheets is within specifications.
- If staple cartridges are OK and set is within specifications; remove and check stapler head according to section 1. Basics.

Set too thick

This message will be displayed when the set sent from the copier is outside Booklet Maker specifications. Open the top cover, remove the set and close the top cover.

Remove purged sets

This message will be displayed when the purged set is in the infeed area. Open the top cover, remove the set and close the top cover.

Illegal feed mode

If this message is displayed, contact customer support.

Empty stacker!

This message will be displayed when the Stacker is full. Empty Stacker.

Cover Feeder fault codes and attention messages

Misfeed

This message will be displayed when the Cover Feeder could not feed a cover from the paper tray. Check cover loading according to section 2. Making Booklets. If problem persists, clean separator pad according to section 7. REMARKS.

Double feed

This message will be displayed when the Cover Feeder detects that more than one cover was fed from the paper tray. If more than one cover was fed, check cover loading according to section 2. Making Booklets. If the covers that are fed are thick, with dark print or with mixed prints on the covers, double feeding may be displayed even if that is not the case. Turn off double sheet detection according to section 3. Tools.

Continued on next page.

Cover Feeder fault codes and attention messages, continued

Load and add covers

Attention message: “Few covers left, add covers” is displayed when covers run low. There are two ways to continue operation.

1 Loading more cover sheets:
Load more cover sheets according to section 2. Making Booklets and press the [Done] button. Message will extinguish and copier will start.

2 Using up the remaining cover sheets that are loaded:
Press the [ESC] button. Message will extinguish and copier will start.



Note

Be aware that if you use this method, the system will hard stop i.e. without completing the cycle when there is no covers left.

Attention message “Load covers” is displayed when covers are empty. There are two ways to continue operation.

1 If you wish to continue production:
Load cover sheets according to section 2. Making Booklets and press the [Done] button. Message will extinguish and copier will start.

2 If cover job is finished and you wish to run a new job without covers:
Select Cover Off in the Cover menu.

Trimmer fault codes and attention messages

Note

During poor environmental conditions waste from the trimming operation may be transported through the system.

To improve the situation the trim margin may be increased and thereby ensuring that The waste is transported into the trim bin.

Empty trim bin!

This message will be displayed when the trim bin is full or when a trim strip, due to static electricity, is prevented from falling down into the trim bin. Empty the trim bin and remove loose trim strips from inside the Trimmer. See section 1. Basics for how to remove the trim bin.

Close Trimmer belts

This message will be displayed when the belts at the outfeed area of the Trimmer is not in correct position. Open cover and set Trimmer belts to their lower position. Close cover.

6

Square Folder fault codes and attention messages

Feed errors

If feed errors occur, the feed belts need to be cleaned or the pressure on the upper feed belts need to be increased. The pressure spring should always be at its upper position where the pressure is equal to its highest value.



Spring in upper position. (Default position)

Other faults

Trim waste among booklets

Some trim waste strips won't fall into the trim bin. Waste follows the booklets downstream and mix with the finished booklets on the belt stacker. This can happen with static material or when the trim setting is manually set to a lower value than default. Try increasing the trim setting. In difficult cases an optional trim waste blower kit can be installed.

Staple not in center of spine

Staple position may vary on the spine when being square folded with the MX-FD50 module, especially on thicker booklets. Moving staple position so staple is centered on the spine will reduce this phenomenon. See section Staple Position, See page 31

Staples not straight

Staples curved instead of being straight. This can be the result of the square folding and cannot be totally avoided. However, the result can be improved by moving the staple position, see section Staple Position, See page 31

Marks on cover

Covers may show marking along the spine of the booklet from the clamp in the MXFD50 module. The more pages in the booklet, the more evident the marking. The use of "protection sheet" eliminates this effect, see section Cover, See page 32

Cracks in cover sheet along fold line

Heavy weight media may show image crack in the spine. This can be avoided by using lower weight paper and/or by pre-creasing the cover.

Spine damaged

The spine can be damaged if incorrect square fold mode is selected (see section Book Folding, See page 34. In most cases Auto mode will give optimum result, however, sometimes you may have to select manual mode (Mode 1 – Mode 5). Select the mode with lowest number that will give acceptable result.

Booklet not straight or properly registered

If sheets entering the MX-BM50 are not uniform and square the booklet quality will vary accordingly. Make sure all sheets have uniform size and that they are squarely cut. Changing the Booklet Maker settings to a smaller (custom) size may also help.

7. REMARKS

Do's And Don'ts

- Always follow all warnings marked on, or supplied with, the equipment.
- Always exercise care in moving or relocating the equipment.

Caution:

- Unplug the power cord from the wall outlet and machine before you move or relocate the equipment.
- Do not remove the covers or guards that are fastened with screws.
- Do not override or bypass electrical or mechanical interlock devices.
- Do not operate the equipment if you notice unusual noises or odors. Disconnect the power cord from the power source and call your authorized technician to correct the problem.

Warning:

- Do not put fingers or other parts of the body between the upper and lower Trimmer knives.
- Do not switch off the main power switch while machine is running. Make sure machine cycle has ended.
- Do not open covers while machine is running.
- Do not move machine while machine is running.

Where to put Your Machine

Machine environment

- Always locate the equipment on a solid support surface with adequate strength for the weight of the machine.
- Always keep magnets and all devices with strong magnetic fields away from the machine.

If the place of installation is air-conditioned or heated, do not place the machine where it will be:

- Subjected to sudden temperature changes.
- Directly exposed to cool air from air-conditioner.
- Directly exposed to heat from heater.

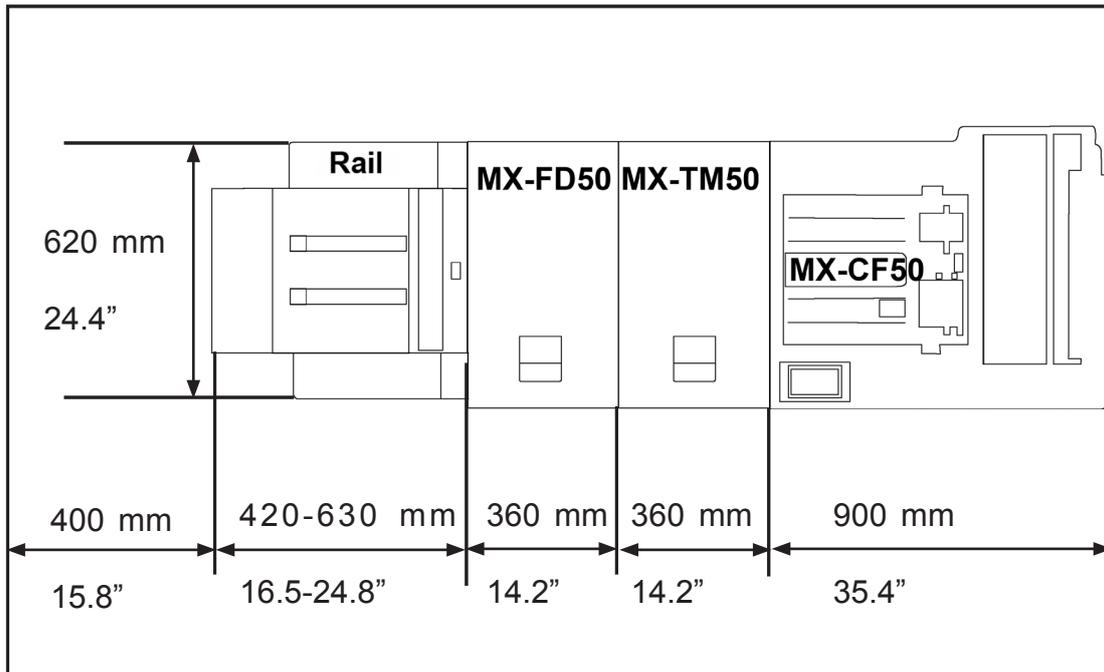
7

Power connection

- **Always** connect the equipment to a properly grounded power source. If in doubt, have the power source checked by a qualified electrician.
- **WARNING:** Improper grounding of the equipment can result in electrical shock.
- **Never** connect the machine to a power source that lacks a ground connection terminal.

Access to machine

Place the machine near the power source, providing clearance as shown.



7

1. Left: more than 400 mm / 15 3/4" (off-line use).
2. Rear: more than 555 mm / 21 7/8"
3. Right: more than 400 mm / 15 3/4".
4. Rear: more than 700 mm / 27 1/2" (on-line use).

Maintaining Your Machines

Never attempt any maintenance function that is not specifically described in this documentation.

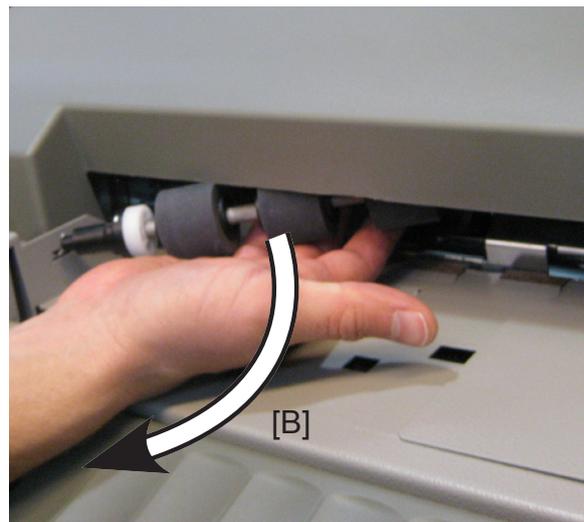
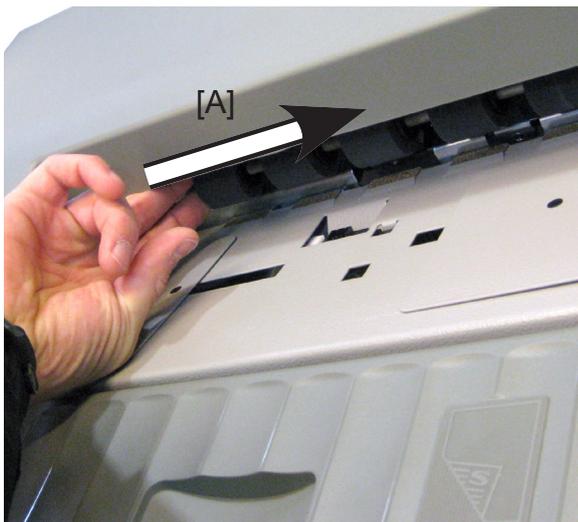
Cover Feeder

Cleaning feed rollers and paper separator pad

The Feed rollers need to be cleaned regularly when in use, and if the unit has not been used for a period of time. How often this should be done, depends on the paper type and print quality. An increasing number of misfeeds, or double feeds, is one indication of the need to clean the Feed Rollers.

- 1** Remove the feed roller assembly by pressing it to the front [A].
The left end of the feed roller assembly will now be released [B] and the assembly can be removed.
- 2** Clean the Feed rollers and the Paper separator pads [C] with water and a clean lint free cloth.

7

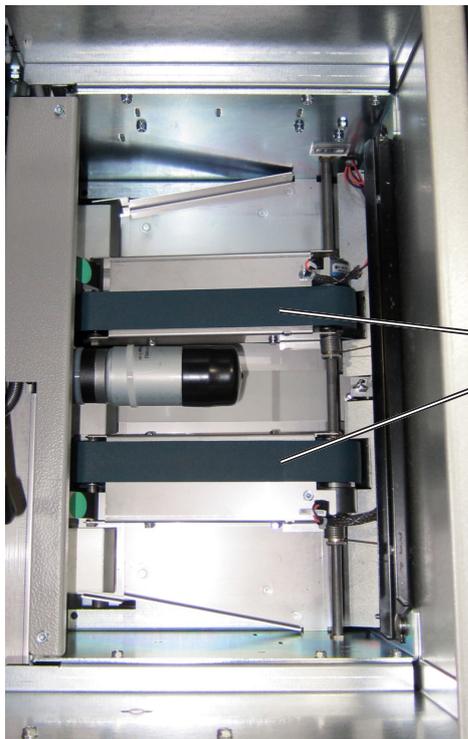


Square Folder

Cleaning feed belts

The Feed belts need to be cleaned regularly when in use, and if the unit has not been used for a period of time. How often this should be done, depends on the paper type and print quality. An increasing number of misfeeds is one indication of the need to clean the feed belts. Clean the feed belts with water and a lint free cloth.

- 1** Open the top cover.
- 2** Clean the upper feed belts [A]. The upper feed belts can easily be rotated in either direction.
- 3** Press the release latch and lift up the upper feed belts to access the lower feed belts.
- 4** Clean the lower feed belts [B]. Rotate the lower feed belts towards the outfeed side for complete cleaning.
- 5** Place the upper feed belts in normal position.
- 6** Close the top cover.



Upper feed belts in normal position.



Upper feed belts lifted up.

Limitations in the MX-BM50 system

- The Plockmatic MX-BM50 Production Booklet Maker is suited for customers whose booklet making needs will not exceed an average 20,000 booklets per month.
- If sheets entering the MX-BM50 are not uniform and square the booklet quality will vary accordingly.
- The maximum recommended number of sheets that can be folded without stapling is 5 sheets of 80 gsm. If there is very low friction between the sheets, running non stapled sets may be difficult.
- Staple position may vary on the spine when being square folded with the BookFold MX-FD50 module, especially on thicker booklets. Moving staple position so staple is centered on the spine will reduce this phenomenon.
- Staple may be radius shaped (bent) when running with Book Fold module. Moving staple position so staple is centered on the spine will reduce this phenomenon.
- Covers may show marking along the spine of the booklet from the clamp in the MX-FD50 module. The more pages in the booklet, the more evident the marking. The use of “protection sheet” eliminates this marking.
- For some white coated stock, such as “Silk type” two sided coated paper, occasional fold roller marks may be observed on the “top side” of the book. . The use of “protection sheet” eliminates this marking.
- Simplex booklets are not supported.

The double feed sensor should be turned off when feeding cover 200 gsm or more from the MX-CF50 module. You may also have to turn off this function if you have heavy dark area coverage or covers with different images on them.

- For jobs with multiple sheets of 200 gsm or heavier the MX-FD50 module is recommended for an acceptable output. If MX-FD50 module is present in the configuration the Book Fold shall be turned ON or feed problem at output may occur.
- The protection sheet function may not function correctly with thicker booklets. If there is very low friction between the protection sheet and the set, functionality may be poor.
- Heavy weight media will show image crack in the spine, pre-crease the cover to avoid cracking.
- Thick books made from coated stock with high friction between each sheet may show permanent “wave like” deformation of the sheets.
- Marks from the fold knife may appear on sensitive media on the inner sheet.
- Marks from side guide motion may appear on sensitive media, the use of protection sheet eliminates this.

Best practice for the MX-BM50 system

- If the set is not properly registered (side jogged and back jogged) changing to a smaller custom size of paper in the MX-BM50 may improve the situation.
- If staples have problems penetrating thicker sets of heavy media changing staple cartridge may improve the situation.
- If the booklets show markings or scratches the use of the “protection sheet” will improve the situation.
- Book Fold module MX-FD50 may wrinkle the cover at the spine when light weight media is used for cover sheet. Changing to heavier stock or turning book fold module off usually fixes the problem.
- Staple may be radius shaped (bent) when running with Book Fold module. Moving staple position so staple is centered on the spine will reduce this phenomenon.
- Covers may show marking along the spine of the booklet from the clamp in the MX-FD50 module. The more pages in the booklet, the more evident the marking. The use of “protection sheet” eliminates this marking.
- For jobs with multiple sheets of 200 gsm or heavier the MX-FD50 module is recommended for an acceptable output. If MX-FD50 module is present in the configuration the Book Fold shall be turned ON or feed problem at output may occur.

8. Specification

Machine Specifications

Booklet Maker MX-BM50

Major Specifications

	Specifications	Remarks
Speed (Online usage)	Maintains engine speed (actual depends of engine speed).	Actual speed in number of booklets (per min / hour) depends on number of sheets per booklet.
Standard Paper Sizes	A4, A3, B4, 8.5x11", 8.5x14", 11x17", 12x18", SRA3	Custom sizes are available
Paper Size (Minimum)	Width 206mm / 8.1" Length 275mm / 10.8"	
Paper Size (Maximum)	Width 320mm / 12.6" Length 457.2mm / 18"	
Paper Weight (Minimum)	64gsm/16 lb Bond	
Paper Weight (Maximum)	300gsm / 110 lb Cover	
Belt stacker capacity	2 sheets: 200 sets 8 sheets: 70 sets 15 sheets: 35 sets 20 sheets: 25 sets 30 sheets: 15 sets	80 gsm / 20 lb. Bond
Input / Output Sheets	1 – 30 Sheets (80 gsm / 20 lb Bond)	Stapled (see Set size Guide on page 64)
Input / Output Sheets	Not more than 5 sheets recommended	Non Stapled Folding
Off-line Use	Possible	Stitch / Fold (2 staples)
Weight	135 kg / 297.6 lb	
Dimensions (L x H x D)	1230 - 1440 x 1050 x 700 mm / 48.4 - 56.7 x 41.3 x 27.6"	Incl. Base and Stacker
Power Source	100 - 230 V, 50-60Hz	+ 6%, - 10%
Power consumption	300 W continuous, 400 W max	
Noise emission	62 dB	Complete system

Cover Feeder MX-CF50 (option)

	Specifications	Remarks
Maximum Speed	Same as MX-BM50	A3/11x17" or bigger paper sizes, need two sheet sets as inlet at least
Standard Paper Sizes	Same as MX-BM50	
Paper Weight (Minimum)	70 gsm / 18 lb Bond	
Paper Weight (Maximum)	250 gsm / 67 lb Bond	
Cover Feeder Capacity	20 mm (app. 200 sheets of 80 gsm paper) 13/16" (app. 200 sheets of 20 lb Bond paper)	
Off-line Use	Possible	(Together with Booklet Maker)
Weight	7 kg / 15.4 lb or less	
Dimensions (L x H x D)	310 x 190 x 530 mm / 12.2 x 7.5 x 20.9"	Installing a Cover Feeder will not change the dimension of the Booklet Maker. The Cover Feeder will be integrated into the Booklet Maker .
Power Source	From MX-BM50	

Trimmer MX-TM50 (option)

	Specifications	Remarks
Speed	1800 sets per hour	
Standard Paper Sizes	Same as MX-BM50	Custom sizes are available
Default trim length	4.5 mm / (11/64")	Adjustable in 0.5 mm steps
Minimum trimming	1 mm / (0.0394 in)*	Adjustable in 0.5 mm steps
Maximum trimming	16 mm (0.63")	Adjustable in 0.5 mm steps
Paper Weight (Minimum)	Same as MX-BM50	
Paper Weight (Maximum)	Same as MX-BM50	Engine Duplex: 216 gsm
Input / Output Sheets	Same as MX-BM50	
Off-line Use	Possible	(Together with Booklet Maker)
Weight	70 kg / 154.3 lb or less	
Dimensions (L x H x D)	360 x 1010 x 620 mm / 14.2 x 39.8 x 24.4"	
Power Source	From MX-BM50	

* When trimming SRA3 (450 mm) Booklets minimum trimming is 5 mm, when trimming 18" Booklets minimum trimming is 9 mm. In general the minimum recommended trim length is 3 mm.

Square Folder MX-FD50 (option)

	Specifications	Remarks
Speed	Same as MX-BM50	Appr. 6 - 30 sheet booklet (80 gsm / 20 lb Bond)
Standard Paper Sizes	Same as MX-BM50	Custom sizes are available
Paper Weight (Minimum)	Same as MX-BM50	
Paper Weight (Maximum)	Same as MX-BM50	
Input / Output Sheets	Same as MX-BM50	
Off-line Use	Possible	(Together with Booklet Maker & Trimmer)
Weight	59 kg / 130 lb	
Dimensions	360 x 1010 x 620 mm / 14.2 x 39.8 x 24.4"	
Power Source	From MX-BM50	

System Certifications



EU & UK DECLARATION OF CONFORMITY ^[1]

No. ^[2] **D0001823 (E.7)**

Manufacturer ^[3] Plockmatic International AB, Telefonvägen 30, S-126 26 Hägersten, Sweden

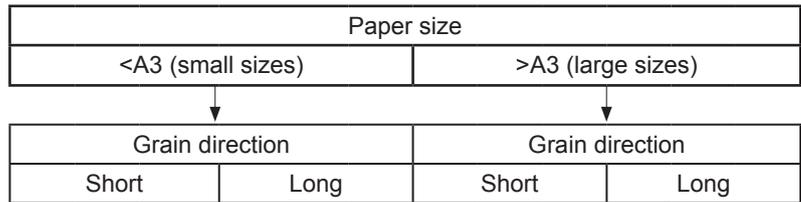
This declaration of conformity is issued under the sole responsibility of the manufacturer ^[4]

Object of the Declaration ^[5]				
Type/Model ^[6]	F102-004	F103-006	F104-004	F105-007
Name ^[7]	MX-BM50,	MX-TM50	MX-CF50	MX-FD50
Description ^[8]	Booklet Maker, Incl. MX-SC50 Staples and MX-XB50 Rail Unit		Trimmer	Cover Feeder

The object of the declaration is in conformity with the relevant Union harmonization legislation: ^[9]	
EU Directive ^[10] <i>UK Statutory Instrument</i>	Standard ^[11] <i>UK Designated Standard</i>
(LVD) 2014/35/EU <i>S.I. 2016/1101</i>	EN 62368-1:2014 + A11:2017 EN IEC 62368-1:2020 + A11:2020
(EMC) 2014/30/EU <i>S.I. 2016/1091</i>	EN 55032:2015 + A11:2020 (Class A), EN 55035:2017 + A11:2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013 + A1:2019, EN/(IEC) 61000-6-4:2007 + A1:2011, EN/(IEC) 61000-6-4:2019, EN 62311:2008
(RoHS) 2011/65/EU <i>S.I. 2012/3032</i>	EN 62321:2009, EN 63000:2018
Additional information ^[12] International certification: UL 62368-1, 3 rd Edition, CSA C22.2 No. 62368-1:19, IEC 62368-1:2014+A11:2017, IEC 62368-1:2018, FCC CFR Part 15 Subpart B, Class B, ICES-003 Issue 5 Class B.	
Signed for and on behalf of ^[13] Hägersten, 2022-10-31 13:50	
 Bengt Olenfalk Group Quality Manager	

БЪЛГАРСКИ: 1) ЕС Декларация за съответствие; 2) Номер; 3) Производител; 4) Настоящата декларация за съответствие е издадена на отговорността на производителя; 5) Предмет на декларацията; 6) Модел/Тип; 7) Назначение; 8) Описание; 9) Предметът на декларацията, описан по-горе, отговаря на съответното законодателство на Съюза за хармонизация; 10) Директива; 11) Стандарт; 12) Допълнителна информация; 13) Подписано за и от името на ЕС/К; 1) EU Prohlášení o shodě; 2) Číslo; 3) Výrobce; 4) Toto prohlášení o shodě se vydává na výhradní odpovědnost výrobce; 5) Předmět prohlášení; 6) Model/Typ; 7) Označení; 8) Popis; 9) Výše popsaný předmět prohlášení je ve shodě s příslušnými harmonizačními právními předpisy Unie; 10) Směrnice; 11) Norma; 12) Dodatečné informace; 13) Podpisáno za a jménem na DANSK: 1) EU-Overensstemmelseserklæring; 2) Nummer; 3) Producent; 4) Denne overensstemmelseserklæring udstedes på fabrikantens ansvar; 5) Erklæringens genstand; 6) Model/Type; 7) Betegnelse; 8) Beskrivelse; 9) Genstanden for erklæringen, som beskrevet ovenfor, er i overensstemmelse med den relevante EU-harmoniseringslovgivning; 10) Direktiv; 11) Standard; 12) Yderligere information; 13) Underskrevet for og vegne DEUTSCH: 1) EU-Konformitätserklärung; 2) Nummer; 3) Hersteller; 4) Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller; 5) Gegenstand der Erklärung; 6) Modell/Typ; 7) Bezeichnung; 8) Beschreibung; 9) Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union; 10) Direktive; 11) Standard; 12) Weitere Informationen; 13) Zur Unterzeichnung und Namen EESTI: 1) EU Vastavusedeklaratsioon; 2) Number; 3) Valmistaja; 4) Käesolev vastavusedeklaratsioon on välja antud tootja ainuvastutuseel; 5) Deklareeritav; 6) Model/Type; 7) Nimetus; 8) Kirjelus; 9) Eelkirjelatud deklareeritava toote on kooskõlas asjaomaste liidu ühtlustamisaktidega; 10) Direktiiv; 11) Standard; 12) Lisainfo; 13) Allkirjastatud ja nimel SUOMI: 1) EU-Vaatimustenmukaisuusvakuutus; 2) Määrä; 3) Valmistaja; 4) Tämä vaatimustenmukaisuusvakuutus on annettu valmistajan yksinomaista vastuulla; 5) Vakuutuksen kohde; 6) Malli/tyyppi; 7) Nimitys; 8) Kuvaus; 9) Edellä kuvattu vakuutuksen kohde on asiaa koskevan unionin yhdenmukaislaainsäädännön vaatimusten mukainen; 10) Direktiivi; 11) Standardi; 12) Lisätietoja; 13) Allekirjoitettu ja puolesta FRANÇAIS: 1) Déclaration UE de conformité; 2) Nombre; 3) Fabricant; 4) La présente déclaration de conformité est établie sous la seule responsabilité du fabricant; 5) Objet de la déclaration; 6) Modèles/types; 7) Désignation; 8) Description; 9) L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable; 10) Directif; 11) Standard; 12) Informations Supplémentaires; 13) Signé pour et au nom de GAEILGE: 1) Dearbhí comhréacht AE; 2) Uimhir; 3) Manufacturer; 4) Tá an dearbhí comhréacht arna easáin faoi fhreagracht an mhonaróra; 5) Cuspóir an dearbháithe; 6) Cineál; 7) Ainmní; 8) Tuairisc; 9) Is é cuspóir an dearbháithe a thugtar i gcomhréir leis an reachtchlach chomhchuibheáil éabhartha an Aontais; 10) Treoir; 11) Caighdeánach; 12) Eolas breise; 13) Arna shíniú le haghaidh agus thar ceann an EAMHNIKH: 1) Δήλωση συμμόρφωσης ΕΕ; 2) αριθμός; 3) κατασκευαστής; 4) Η παρούσα δήλωση συμμόρφωσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή; 5) Αντικείμενο της δήλωσης; 6) Μοντέλο/τύπος; 7) Ονομασία; 8) Περιγραφή; 9) Ο στόχος της δήλωσης που περιγράφεται παραπάνω είναι σύμφωνα με τη σχετική ενωσιακή νομοθεσία εναρμόνισης; 10) διευθυντικός; 11) Πρότυπο; 12) Επιπλέον πληροφορίες; 13) Υπογραφή για λογαριασμό και εξ ονόματος του HRVATSKI: 1) EU Izjava o sukladnosti; 2) Broj; 3) Proizvođač; 4) Za izdavanje EU izjave o sukladnosti odgovoran je isključivo proizvođač; 5) Predmet deklaracije; 6) Model/Tip; 7) Oznaka; 8) Deskripcija; 9) Predmet navedene izjave u skladu je s mjerodavnim zakonodavstvom Unije o usklađivanju; 10) Direktiva; 11) Standard; 12) Dodatne informacije; 13) Potpisao za i ime MAGYAR: 1) EU-Megfelelőségi nyilatkozat; 2) Szám; 3) Gyártó; 4) Ezt a megfeleléségi nyilatkozatot a gyártó kizárólagos felelőssége mellett adja ki; 5) A nyilatkozat tárgya; 6) Modell/Típus; 7) Kijelölés; 8) Leírás; 9) A fent ismertetett nyilatkozat tárgya megfelel a vonatkozó uniós harmonizációs jogszabályoknak; 10) Irányelv; 11) Standard; 12) További információ; 13) Aláírva nevében ISLENSKA: 1) ESS Leyfyrirlysing; 2) Fíkió; 3) Framleiðandi; 4) Þessi samræmsyfyrirlysing er sett áfærð á ábyrgð framleiðanda; 5) Markmið yfyrirlysingarinnar; 6) Gerð; 7) Tilnefning; 8) Lýsing; 9) Markmið yfyrirlysingarinnar lýst er hér að ofan er í samræmi við víðeigandi Union samhæfningu lögjafar; 10) Tískilpur; 11) Standard; 12) Væðtarupplýsingar; 13) Undirritað fyrir og fyrir hönd ITALIANO: 1) Dichiarazione di conformità UE; 2) Numero; 3) Produttore; 4) La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante; 5) Oggetto della dichiarazione; 6) Modello/Tipo; 7) Designazione; 8) Descrizione; 9) L'oggetto della dichiarazione di cui sopra è conforme alla pertinente normativa di armonizzazione dell'Unione; 10) Direttiva; 11) Standard; 12) Informazioni aggiuntive; 13) Firmato e per conto di LATVIŠŪ: 1) ES Atbilstības deklarācija; 2) Numurs; 3) Ražotājs; 4) Šī atbilstības deklarācija ir izdota vienīgi uz ražotāja atbildību; 5) Deklarācijas priekšmets; 6) Modeļa/tipa; 7) Apraksts; 8) Iepriekš aprakstītais deklarācijas priekšmets atbilst attiecīgajam Savienības saskaņošanas tiesību aktam; 10) Direktīva; 11) Standarts; 12) Papildus informācija; 13) Parakstīts vārda LIETUVIŲ: 1) ES Atitikties deklaracija; 2) Skaičius; 3) Gamintojas; 4) Ši atitikties deklaracija išduota tik gamintojo atsakomybe; 5) Deklaracijos objektas; 6) Modelis/tipas; 7) Pavadinimas; 8) Aprašymas; 9) Pirmiau aprašytas deklaracijos objektas atitinka susijusius derinamuosius Sąjungos teisės aktus; 10) Direktyva; 11) Standartinė; 12) Papildoma informacija; 13) Pasirašyta ir vardu MALTESE: 1) Dikjarazzjoni ta' konformità tal-UE; 2) Numru; 3) Manifattur; 4) Din id-dikjarazzjoni ta' konformità li nherreg taht ir-responsabbiltà unika tal-manifattur; 5) Għan taħ-dikjarazzjoni; 6) Mudell/Tip; 7) Deżinjazzjoni; 8) Deskrizzjoni; 9) L-għan taħ-dikjarazzjoni deskritt hawn fuq huwa konformi mal-leġiżlazzjoni ta' armonizzazzjoni rilevanti tal-Unjoni; 10) Direttiva; 11) Standard; 12) Informazzjoni addizzjonali; 13) Iffirmat għal u fisem il NEDERLANDS: 1) EU-Conformiteitsverklaring; 2) Nummer; 3) Fabrikant; 4) Deze conformiteitsverklaring wordt verstrekt onder volledige verantwoordelijkheid van de fabrikant; 5) Voorwerp van de verklaring; 6) Model/type; 7) Benaming; 8) Beschrijving; 9) Het hierboven beschreven voorwerp is in overeenstemming met de desbetreffende harmonisatiewetgeving van de Unie; 10) Richtlijn; 11) Standard; 12) Aanvullende informatie; 13) Ondertekend voor en namens NORSK: 1) EU-Erklæring; 2) Nummer; 3) Produsent; 4) Denne samsvarserklæring er utstedt under ansvar av produsenten; 5) Formålet med erklæringen; 6) Model/Type; 8) Beskrivelse; 9) Formålet med erklæringen som er beskrevet ovenfor er i samsvar med relevante Union harmoniseringslovgivning; 10) Direktiv; 11) Standard; 12) Ytterligere informasjon; 13) Signert for og vegne av POLSKI: 1) Deklaracja zgodności UE; 2) Numer; 3) Producent; 4) Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta; 5) Przedmiot deklaracji; 6) Model/Typ; 7) Oznaczenie; 8) Opis; 9) Wymieniony powyżej przedmiot niniejszej deklaracji jest zgodny z odpowiednimi wymaganiami unijnego prawodawstwa harmonizacyjnego; 10) Dyrektywa; 11) Standard; 12) Dodatkowe informacje; 13) Podpisano imieniem PORTUGUÊS: 1) Declaração UE de conformidade; 2) Número; 3) Fabricante; 4) A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante; 5) Objeto da declaração; 6) Modelo/Tipo; 7) A denominação; 8) Descrição; 9) O objeto da declaração acima descrito está em conformidade com a legislação de harmonização da União aplicável; 10) Diretiva; 11) Padrão; 12) Informações adicionais; 13) Assinado por e nome ROMÂNĂ: 1) Declarația UE de conformitate; 2) Numar; 3) Producător; 4) Prezenta declarație de conformitate este emisă pe răspundere exclusivă a producătorului; 5) Obiectul declarației; 6) Model/Tip; 7) Desemnare; 8) Descriere; 9) Obiectul declarației descris mai sus este în conformitate cu legislația relevantă de armonizare a Uniunii; 10) Directivă; 11) Standard; 12) Informații adiționale; 13) Semnat pentru și în numele SLOVENSKÝ: 1) EU Vyhlásenie o zhode; 2) Číslo; 3) Výrobca; 4) Toto vyhlásenie o zhode sa vydáva na výhradnú zodpovednosť výrobcu; 5) Predmet vyhlásenia; 6) Model/Typ; 7) Označenie; 8) Popis; 9) Uvedený predmet vyhlásenia je v zhode s príslušnými harmonizačnými právnymi predpismi Unie; 10) Smernice; 12) Doplnitkové informácie; 13) Podpísané za a v mene na SLOVENŠČINA: 1) Izjava EU o skladnosti; 2) Številko; 3) Proizvajalec; 4) Ta izjava o skladnosti je izdana na lastno odgovornost proizvajalca; 5) Predmet izjave; 6) Model/Type; 7) Oznaka; 8) Opis; 9) Predmet navedene izjave je v skladu z ustreznimi zakonodajno Unije o harmonizaciji; 10) Direktiva; 11) Standardna; 12) Dodatne informacije; 13) Podpisano za in v imenu ESPAÑOL: 1) Declaración UE de conformidad; 2) Número; 3) Fabricante; 4) La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante; 5) Objeto de la declaración; 6) Tipo de modelo; 7) Designación; 8) Descripción; 9) El objeto de la declaración descrita anteriormente es conforme con la legislación de armonización pertinente de la Unión; 10) Directiva; 11) Estándar; 12) Información Adicional; 13) Firmado por y nombre SVENSKA: 1) EU-Försäkran om överensstämmelse; 2) Nummer; 3) Tillverkare; 4) Denna försäkran om överensstämmelse utfärdas på tillverkarens eget ansvar; 5) Föremålet för försäkran; 6) Modell/Typ; 7) Beteckning; 8) Beskrivning; 9) Föremålet för försäkran ovan överensstämmer med den relevanta harmoniserade unionslagstiftningen; 10) Direktiv; 11) Standard; 12) Extra information; 13) Undertecknat för och på uppdrag av

MX-BM50 System Set Size Guide



Paper weight					
Bond	Offset	Cover	Tag	Index	Gsm
20	50	28	46	42	80
24	60	33	56	50	90
28	70	39	64	58	100
29	73	40	62	60	110
31	81	45	73	66	120
35	90	48	80	74	130
36	90	50	82	75	140
39	100	54	90	81	150
43	110	60	100	90	160
44	110	61	102	92	170
47	120	65	108	97	180
					190
53	135	74	122	110	200
54	137	75	125	113	210
58	146	80	134	120	220
					230
65	165	90	150	135	240
67	170	93	156	140	250
					260
72	183	100	166	150	270
76	192	105	175	158	280
					290
					300

Area coverage			Area coverage			Area coverage			Area coverage		
Low	High	Full									
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
30	25	22	27	22	20	27	22	20	24	17	14
26	23	21	24	20	18	24	20	18	21	17	14
24	21	19	21	19	17	21	19	17	19	16	14
17	17	17	17	17	16	17	17	16	17	16	13
17	17	17	17	16	15	17	16	15	15	15	13
17	17	16	16	15	14	16	15	14	14	13	12
17	16	14	15	14	13	15	14	13	13	12	11
15	15	13	14	13	12	14	13	12	12	11	10
12	12	12	12	12	11	12	12	11	11	11	9
12	12	12	12	11	10	12	11	10	10	10	9
12	12	11	11	10	10	11	10	10	10	9	8
12	11	10	10	10	9	10	10	9	9	9	8
11	10	10	10	9	8	10	9	8	9	8	7
10	10	9	9	9	8	9	9	8	8	8	7
9	9	9	9	8	8	9	8	8	8	7	6
9	9	8	8	8	7	8	8	7	7	7	6
9	8	8	8	7	7	8	7	7	7	7	6
8	8	7	7	7	6	7	7	6	7	6	5
6	6	6	6	6	6	6	6	6	6	6	5
6	6	6	6	6	6	6	6	6	6	6	5
6	6	6	6	6	5	6	6	6	6	5	5
6	6	5	5	5	4	6	6	5	5	5	4
6	5	4	5	4	4	6	5	4	5	4	4

Note

1. For cover jobs , deduct 2 sheets
2. Paper size: large = A3> , Small = <A3
3. Area coverage: Low = text only, High = Pictures, Full = Maximum coverage
4. For jobs with multiple sheets of 200 gsm or higher paper weight the MX-FD50 module is recommended for an acceptable output

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