

SPRINT TRIMMER

OPERATORS MANUAL

CONTENTS

1. Introduction.	2
2. Specification.	3
3. Safety	4
4. Operation and Controls.	5
5. Indicator lights	7
6. Problem solving.	8

MBM Corporation
Michael Business Machines
3134 Industry Drive
North Charleston
South Carolina 29418

Customer Service - Tel: (800) 223 2508
Fax: (803) 552 2974
Parts & Service - Tel: (800) 223 2508
Fax: (803) 760 3814

1 INTRODUCTION

The Sprint Trimmer is a single knife Trimmer for books or stapled sets of documents.

The Sprint Trimmer is designed to cut up to 50 sheets of 80 gsm paper, handling book sizes between 8½ x 11 and 5½ x 8½ and also slimmer smaller books down to 5½ x 4¼. It is compatible with most of the Sprint range of Bookletmakers including the Sprint, Sprint 2000 and Sprint 5000. It can be fitted to the above Bookletmaker models which are already in the field although some electrical modification will be required.

The Trimmer has a “no cut” facility whereby if one does not want to trim a book or is processing corner or edge stapled work, one can turn off the knife and documents can pass through without being trimmed.

There is miss and jam detection on entry and exit from the machine.

If the Trimmer does stop because an error sensor has been triggered the appropriate light on the panel illuminates. There is an electrical link to the Bookletmaker so that this will not process any more documents either. If there is a Collator on-line this will also stop.

2. SPECIFICATION

MAXIMUM CUTTING THICKNESS:	50 sheets of 80 GSM bond
BOOK SIZES	5½" x 4¼" to 11" x 8½"
DIMENSIONS	Width 22½". Height 24½". Length 19¼" (Conveyor stored). Length 40" (Conveyor in use).
WEIGHT	84 Kg.
POWER	110v 60Hz Consumption approx. 180 Watts Fuse: Mains inlet - 10 amp 110V. 24Vdc power supply - 2.5 amp 110V

3. SAFETY

1. The Trimmer should only be connected to a proper grounded source.
 2. The Trimmer is protected by safety covers and these should never be removed other than by a trained Technician.
 3. **Never try to override safety covers.**
 4. The Trimmer has a guard system to protect the operator from access to the cutting blade. However, there has to be space to allow paper to travel through the machine. So great caution should be used if cleaning or removing paper from the Trimmer by hand.
 5. Always install machines on a firm, even floor.
-

4. OPERATION AND CONTROLS

1. The Trimmer is of the correct height to align to the Bookletmaker on a level floor. Do not stand one item on a soft floor (carpet, etc.) and not the other.
2. Position the machine near to a suitable socket outlet and ensure outlet is not covered and is easily accessible.
3. Check that the power supply is of the correct voltage for the machine. Once connected, the machine is ready for use.

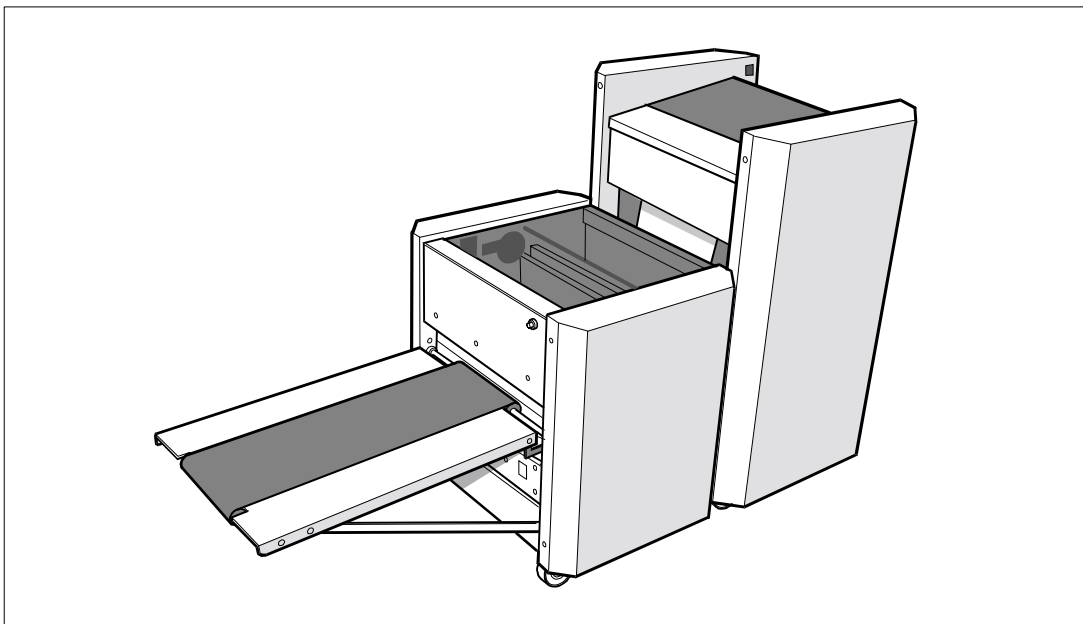


Figure 1

4. Push the Trimmer so that the input guide plates fit between the side frames of the Bookletmaker. The Trimmer will push up to within approximately 5 mm of Bookletmakers. Lock the two lockable castors.
5. Switch on power to the Trimmer.
6. Open top safety cover.
The machine will not operate with the top safety cover in the raised position. After closing the cover it is necessary to press the 'reset' button on the outfeed side of the machine.
7. Set the *paper back stop* for the length of book required. The stop for aligning the book correctly for the trim is adjusted in the same manner as the stop on the Bookletmaker; merely by turning the *backstop adjustment thumbwheel*.

8. Depending on the number of sheets (thickness of book) to be fed through the system, it is necessary to adjust the *outfeed conveyor belt* pressure. As a guide, open them to their minimum setting and then if the trimmed book appears marked or damaged open the roller by small increments until the marking stops. The *Infeed roller* is automatically gapped when the outfeed conveyor belts are parted more than a certain amount.

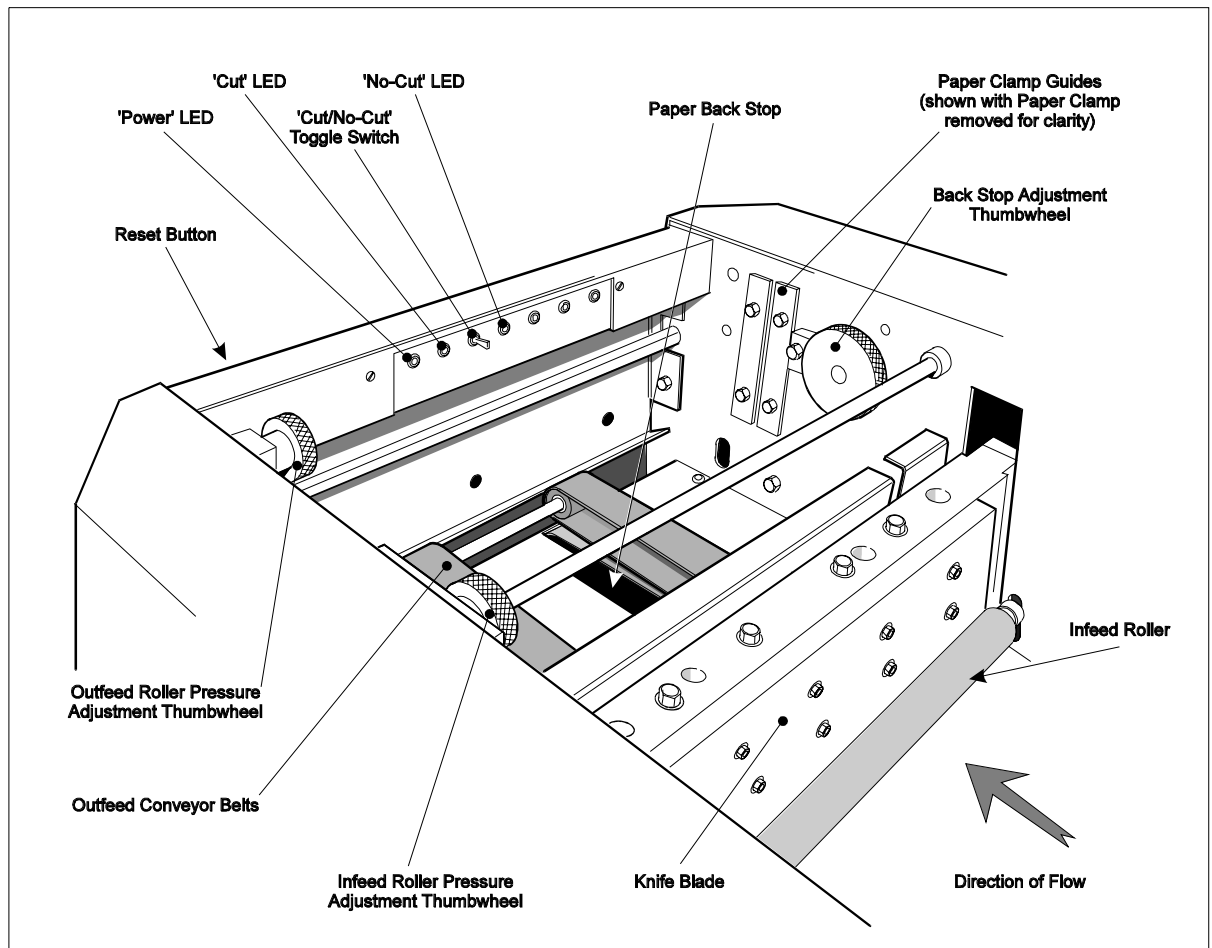


Figure 2

9. To start the Trimmer press the 'reset' button.
10. Always ensure that when starting the machine that the knife and the paper stops are in the up position. If there is any doubt press and hold the 'reset' button for approximately 5 seconds. This will start the Trimmer and reset the knife and timing shaft automatically ready for operation.
11. Should the Trimmer be set for the wrong size book and a large offcut is left in the trim area because it will not fall through the hole provided, it should be pushed through the machine by using a wooden rule or similar article. One could also free trimmings by pushing a thin plastic or wooden article down through the top of the machine between the knife and knife guard.
- The top knife is extremely sharp and the knife guards should not be removed except by specifically trained personnel, when changing the top knife.**

One can part the feeding roll by adjusting the gap in the front end of the transport belts to the maximum.

5. INDICATOR LIGHTS

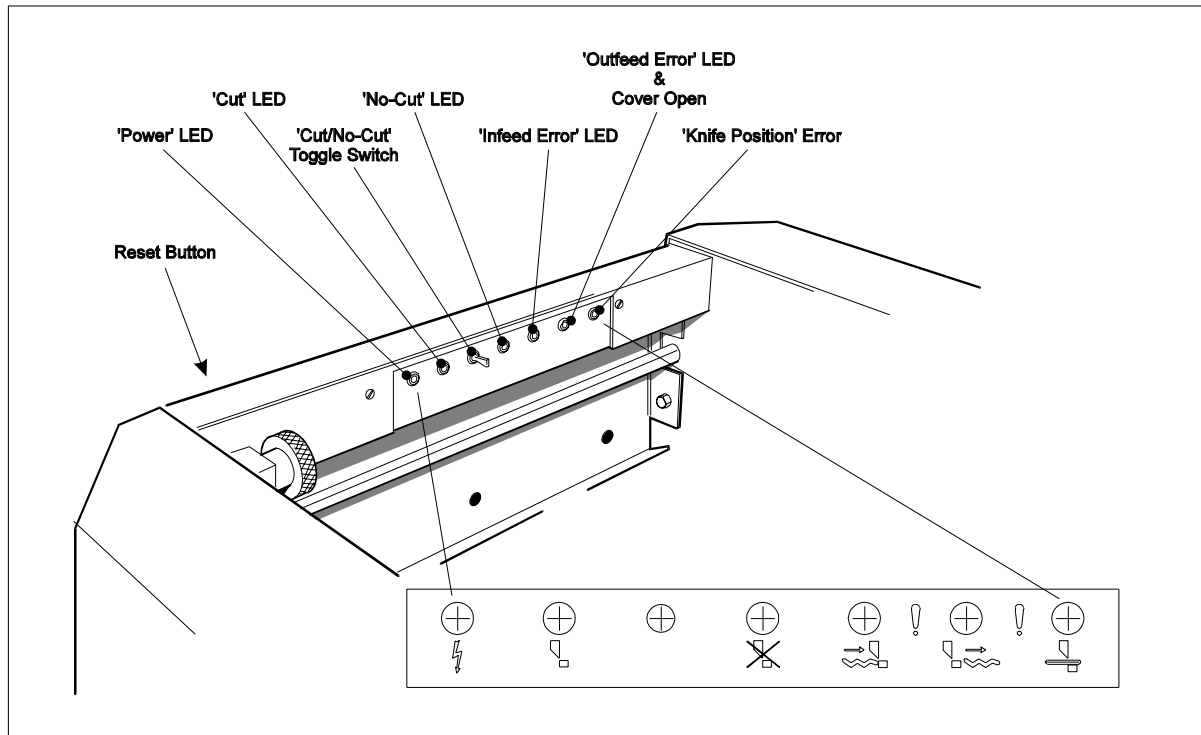


Figure 3

1. *Infeed Error*: A paper jam before the knife. Open top cover, remove book and press 'reset'.
2. *Outfeed Error*: A paper jam after the knife. Open top cover, remove book and press 'reset'. If it is not possible to remove the book as it trapped by the knife, close the cover and press and hold the 'reset' for 5 seconds. This will complete the cycle and release the book. Open cover and clear the paper path of any remaining paper.
3. *Knife Position Error*: Open top cover, remove any paper, then press and hold the 'reset' button.
4. *Cut / No cut switch*: If the work being processed does not require trimming, the toggle switch should be set to the 'No cut' LED.

6. PROBLEM SOLVING.

PROBLEM	POSSIBLE CAUSES	REMEDY
Motor will not start	Blown Fuse	Switch off and unplug machine. Check and replace fuses as necessary
Machine will not start when paper is inserted	Powerful light source from above	Shield safety cover from light or move machine
Machine will not cycle	Machine in jam mode	Remove paper from machine in stapling section to allow photo-cell to reset
On-line equipment will not start	Trimmer is not running.	Press reset on Trimmer
Paper passes through machine without trimming	Trimmer set to 'by-pass' mode Paper stop fingers in down position	Set to 'cut' mode Press and hold reset
M/c jams at machine entry	Knife blade in wrong position	Press and hold reset