



sysform 60B Perfect Binder User Manual

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system 60B Perfect Binder



Safety

Please use this machine carefully, do not touch the heated glue box to avoid hurt, and do not put your hand or any other things to the binding track of this machine, to avoid hurt and contingency. Please note the following when you use this machine:

Place: The machine is approximately 180kg. Please fix the machine in a flat and sturdy and well-ventilated place.

Electric supply: Please connect the electric supply correctly as per the instruction on the back of the machine.

The electric supply should be stable AC110/220V, 50/60Hz, and 1100W. No matter whether the voltage is too low or high, both will make the machine work incorrectly.

Grounding: For safety concerns, please use the socket with earth wire.

Overload: Please do not connect too many electric appliances in the same socket because overload may cause a fire.

Clean: Before you clean this machine, please switch off the power and pull the plug out of the socket.

Technical Specification

1. **Model:** 60B
2. **The maximum length of book:** 460mm (18.11")
3. **Maximum thickness of book:** 60mm (2.36)
4. **Cycle Speed(per hour):** 400 books
5. **Cover thickness:** 70gsm-300gsm
6. **Heat-up time:** about 30 minutes
7. **Power input:** 110V/60Hz
8. **Rate Watt:** 1.5Kw
9. **Dimension:** 1490mm×600mm×1310mm (58.66" x 23.62" x 51.57" H)
10. **Weight:** 504.9 lbs (229KG)

Unpack and check

After you open the box, please check the machine and attached parts, if you find any damage or something lost, please contact us immediately.

- a. Binding machine 1 set
- b. Manual 1 pc
- c. Hexagon wrench 1 set
- d. Philips screwdriver 1 pc
- e. Glue 1 kg
- f. Cover Plate 1 pc
- g. Central Line Indicator 1 pc
- h. Exhaust Fan & Safety Guard 1 set
- i. Paper Table 1 pc
- j. Jogger Table 1 pc
- k. Fuse 15A *1 pc, 10A *1 pc, 5A *5 pc

Note

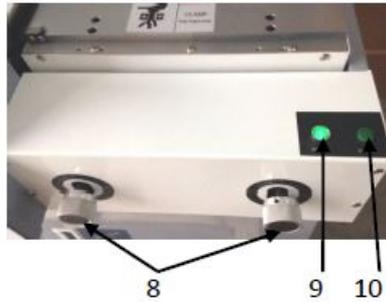
- It is suggested to read this manual carefully before you use this binding machine, which will improve your skill to use it to get an excellent result.
- Remove the plastic foam from the bookbinding unit.
- Please save the packing carton and the plastic bag for transferring next time.

Names and Functions



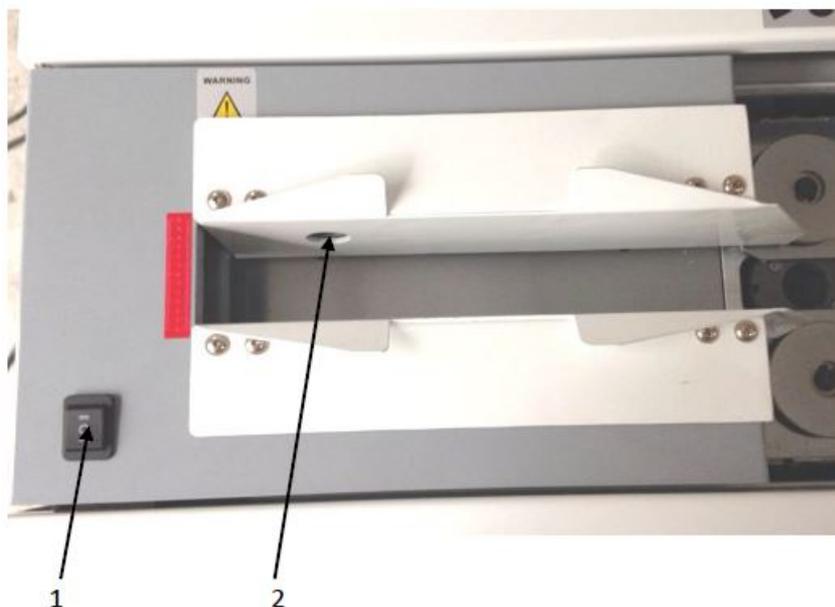
- A. Control Panel
- B. Book Binding Car
- C. Cover Clamping Unit
- D. Cutting Unit
- E. Gluing Unit
- F. Waste Collecting Unit
- G. Control System
- H. Exhaust Fan & Safety Guard
- I. Paper Table
- J. Jogger Table

Instruction on Control Panel



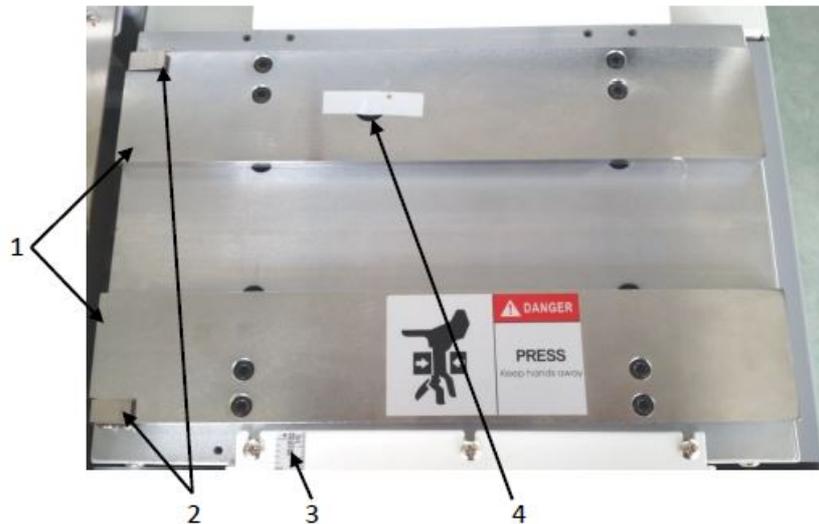
1. Power Switch: red light shows power on
2. Manual/Auto Switch
3. Cutter on/off Switch
4. Cover Clamp Pressure Adjustor: range from 40 – 100Kg
5. Cover Clamp Time Adjusting Knob: range from 2 – 10 seconds (not less than 2 seconds)
6. Start Button: start a binding job in manual operation mode.
7. Emergency Stop Switch
8. Round/Square Adjustor
9. Ready Indicator: show the glue has been dissolved completely and the machine is ready to work.
10. Start Button: start a binding job in manual operation mode.

Book Binding Car



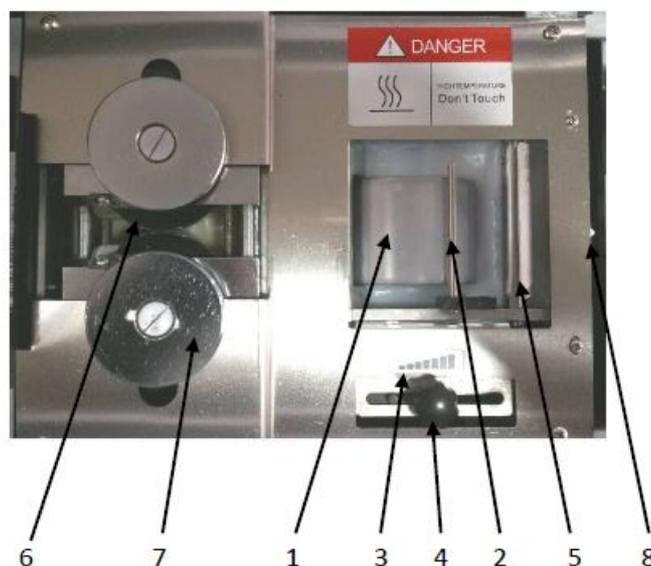
1. **Button:** in manual operation mode,  clamp or  loosen the book. Clamp Loosen
2. **Sensor:** it is a photoelectric switch that detects whether the paper is placed into the binding car.

Cover Clamping Unit



1. **Cover Clamp:** clamp the book spine
2. **Cover Gauge:** can be adjusted the cover position and tilting of cover
3. **Cover Central Position Adjustment Gauge:** mm scale on the gauge
4. **Sensor:** It is a photoelectric switch that detects whether the paper is placed in the binding car. The machine will stop when there is no cover on it.

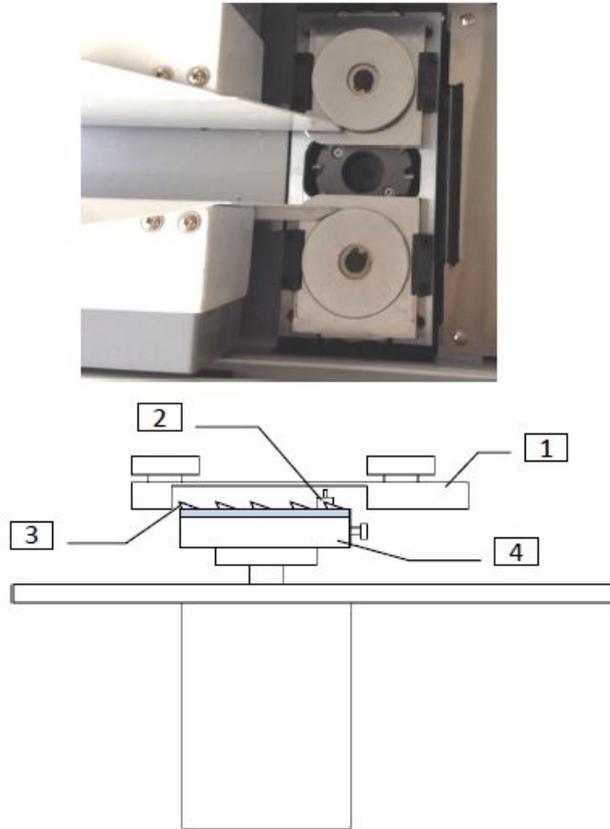
Gluing Unit



1. Gluing Roller: gluing
2. Gluing Lever: squeezing glue
3. Glue level Indicator: indicate the maximum level limit of glue

4. Glue Thickness Knob: Adjust height of the adjusting lever to adjust the thickness of glue on the book spine
5. Glue Adjusting Lever: make the glue on the book spine level
6. Side Gluing Roller: glue the two sides of the book
7. Open Wheel for Side Gluing: open the two side gluing rollers
8. Cover Central Indicator: Indicate the central of the cover

Cutting Unit



1. **Cutter Cover:** fix the book spine
2. **Small Miller:** roughen or mill the book spine
3. **Solar Miller:** roughen or mill the book spine
4. **Cutter Base:** fix the cutters

Waste Collecting Unit

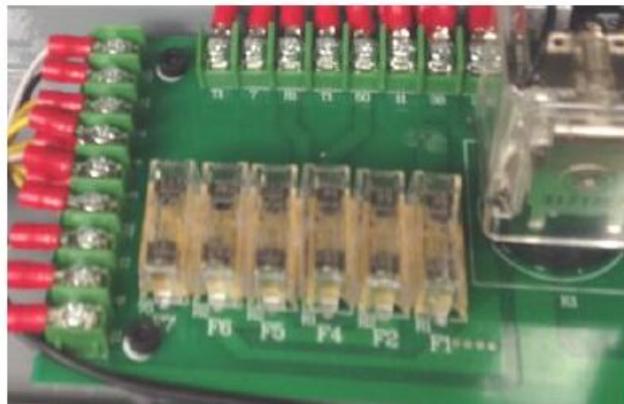


Inside the door, there is a pump that is used to suck paper dust into the collecting bag after the book is milled. Please clean the collecting bag regularly.

Electric System

Fuse

- Switch the power off before replacing a fuse.
- The fuse is located inside the control panel.



- **F1.** Glue Heat-Up Unit 10A
- **F2.** Cover Platform 5A
- **F4.** Clamping Book Motor 5A
- **F5.** Binding Car Motor 5A
- **F6.** Cutter Motor and Waste Collecting Pump 15A
- **F7.** Gluing Motor 5A



Timing Adjustment Ex-work setting

- **TR.** Timing for clamping book spine 4 S
- **TR1.** Timing for loosening the book clamp 0.7S
- **TR2.** Timing for clamping book 1.2S
- **TR3.** Timing for placing book 1S

Timing is adjusted according to the operators' operating speed.

Operation Instruction

Manual Operation Mode

1. Switch the power on, heat-up time is about 15-30 minutes. The ready light will be bright when the glue is dissolved.
2. Set the machine according to the binding thickness and cover thickness.
 - **○1** Glue thickness: when the binding thickness is less than 2 cm, adjust the glue thickness knob to a central position. When the binding thickness is over 2cm, adjust the glue thickness knob to the maximum limit position.
 - **○2** Cover Clamping time:
 - Binding thickness under 1cm 4 seconds
 - Binding thickness approx. 2cm 6 seconds
 - Binding thickness under 3cm 8 seconds
 - Binding thickness over 3cm 10 seconds
 - **○3** Pressure of the Cover Clamp: adjust clamping pressure: according to book cover thickness. The pressure range is 60-100 Kg, adjust the pressure according to the requirement but the book spine shall not be ruffled.
3. Press "MANUAL" on the MANUAL/AUTO operation switch.
4. Place the paper in the bookbinding car. The paper shall be put on the left side, and then press the button to clamp the paper. Place the cover on the cover clamping unit.
5. Press the start button, and the binding car moves to the right side. After the book binding is finished, the book clamping unit will loosen automatically. Take out the book from the right side. The bookbinding car returns to the left side.

Auto Operation Mode

In the auto operation mode, the first book shall be processed in the manual operation mode when you want the machine to work in automatic operation mode.

1. Same as manual operation 1).
2. Same as manual operation 2).
3. Press "AUTO" on the MANUAL/AUTO operation switch.
4. Place the paper in the bookbinding car, then the paper will be clamped automatically.
5. Place the book cover on the cover clamping unit (there is only 1 second for an operator to adjust the book cover's position), then the bookbinding unit automatically moves to the right side of the machine. After the book binding is finished, the book clamping unit will loosen automatically. Take out the book from the right side. The bookbinding car returns to the left side.

Warning

- The machine shall not be operated by two operators at the same time.
- **Cutter:** the cutter only works when the binding job starts, if you want to check the cutter, please switch the power off.
- **Gluing Unit:** The temperature ranges from 170-190°C. Please don't touch the glue container. When the glue is below the marked line, please add new glue into the glue container.
- The machine shall be well-connected and well-maintained. If you want to maintain the machine, please disconnect the machine from power.

Documents / Resources

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