

Product instruction manual
OmniFlow 330

MATRIX[®]

OMNI-FLOW



The OmniFlow has been designed to be user friendly, however we strongly recommend you take a few minutes to read through this manual to ensure correct operation.

Keep this manual safe for future reference.

Omni-Flow 330

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1 Introduction

1.1 Preface

This manual only applies to Omni-Flow 330. Before using the machine, please read the instruction manual carefully first. Please keep the manual properly so that consulting it at any time in the future. Any question while operating please contact our technicians.

1.2 Specifications

Items	Parameter
Machine size (Length*Width*Height)	850×545×450mm
Feeding extension table (Optional)	1250mm
Machine weight	85.5kg
Power	220V/165W
Max sheet length (Width*Length)	330×650mm
Min sheet length (Width*Length)	140×160mm
Sheet thickness	120g-350g/0.12-0.35mm
Sheet flatness	< 5mm
Load capacity	100mm
Max speed (A4)	6900 sheet per hour
Feeding type	Suction on the right
Outfeed transmission belt	Optional

Notes: The machine is under upgrading, information in this manual can be changed without notification.

2 Safety

2.1 Environment

Temperature: 10°C to 35°C

Humidity: 30% to 70%

Altitude: Below elevation 1000m

There is no corrosiveness gas, flammable gas, oil mist and so on in room.

2.2 Do's and Don'ts



Do-Read this manual and fully understand before the operation.



Do-Check the *plug and machine voltage and frequency* to your main supply, and that the socket has a correct working earth lead for this single insulated machine



Do make sure all *safety covers* are in place. The top covers have an interlock switch which will disable the unit if removed.



Do contact the local maintenance center before you are about to move the machine.



Do disconnect the power before clean the inner side.



Do unplug the cord if you won't use the machine for a long while.



Don't install the machine on an unstable ground.



Don't operating with wet hand, especially plug or unplug the cord.



Don't wear long hair, loose fitting clothes or put your fingers into the creasing unit nip, while the operation.



Don't place any receptacles with any liquid on any surface of machine.



Don't put other pieces, especially tiny pieces on loading table.



Don't alter or uninstall the machine, unless by Vivid Laminating authorized engineer.



Don't touch any running parts while running.



Don't shut down the machine while running.



Don't put heavy matter on machine or shock it.

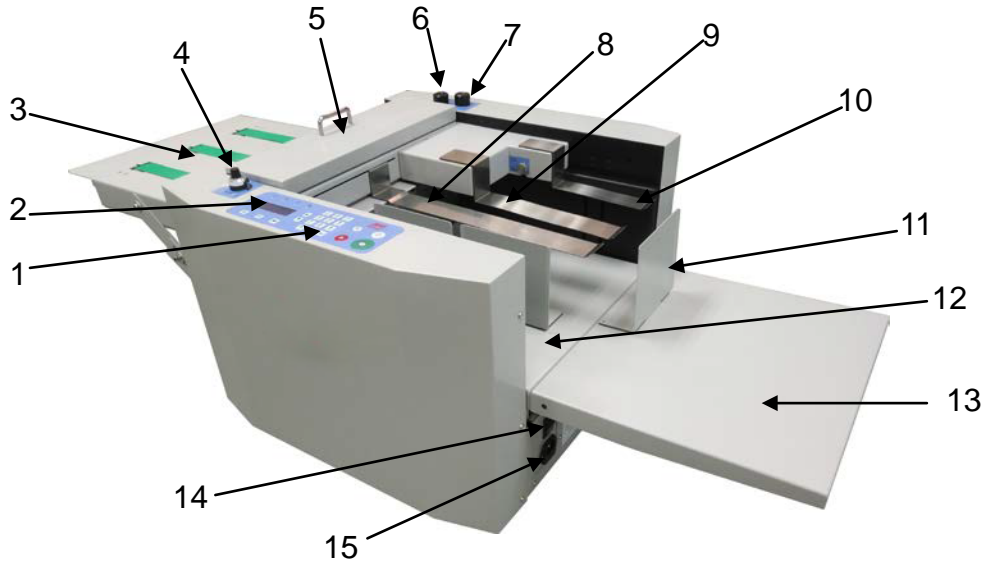


Be careful of any metal or flammable thing in internal machine, or it may cause fire or electronic shock. If it happens, first shut down the power, disconnect the cord, and then contact the technician.

If machine becomes heat, smoke, or smelly, shut down at once, disconnecting the cord, and contact the maintenance staff.

3 Main parts

3.1 Overview



No.	Name	Description
1	Key panel	Operation
2	Screen	Display
3	Outfeed transmission belt (Optional)	Sheet transmission.
4	Speed adjusting knob	Turn clockwise to increase the speed and turn anticlockwise to decrease the speed.
5	Top cover	Protection
6	Blowing adjusting knob	Turn the knob clockwise to increase the speed while turn the knob anticlockwise to slow down.
7	Separator finger adjusting knob	Turn the knob clockwise when feeding table gets stuck or feeding thicker paper. Turn the knob anticlockwise when double feeding.
8	Deflector 3	Hold the sheets and make them fed stably.
9	Deflector 2	Hold the sheets and make them fed stably.
10	Deflector 1	Hold the sheets and make them fed stably.
11	Feeding back stop guide	Hold the sheets and make them fed stably.
12	Feeding table	Feeding sheets.
13	Feeding extension board	For longer sheets.
14	Power switch	-
15	Power socket	-

4 Installation

4.1 Remove the fix bar and plate

As shown in the following figure, remove the fix bar and plate first.



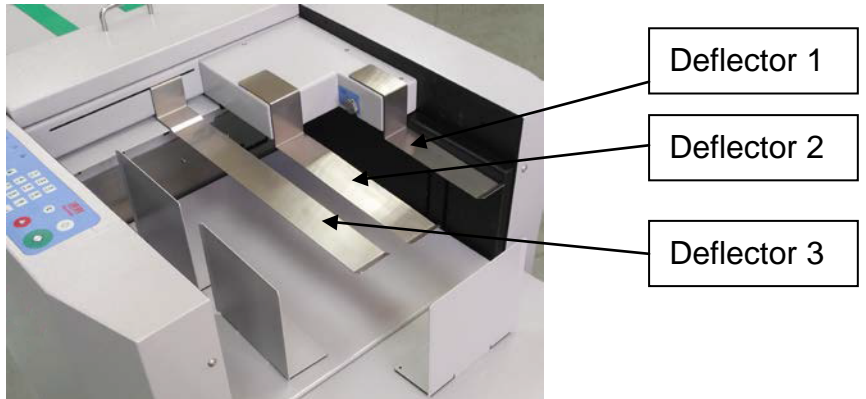
4.2 Mount the extension board

There are three screws for the feeding extension board. Remember to fasten the screws after hanging the extension table on.



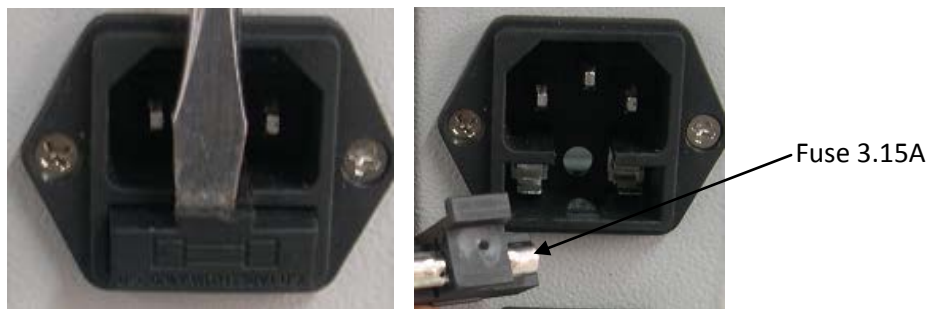
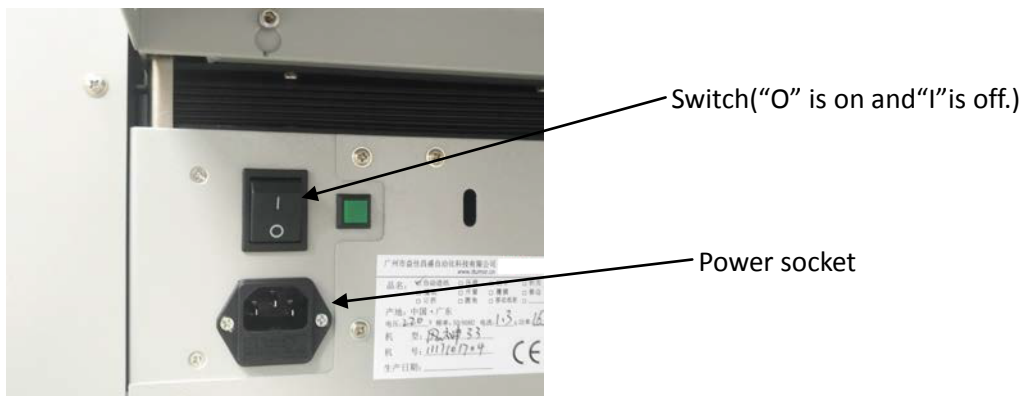
4.3 Deflectors and side guides

Deflector 3 is used for wider sheets.



4.4 Power socket and switch

As shown in the following figures, the power switch and socket are on the operating side. The power supply is 220V/50HZ.



Notes: Do not use wet hands to operate the machine.

4.5 Outfeed conveyor (Optional)

4.5.1 Installation

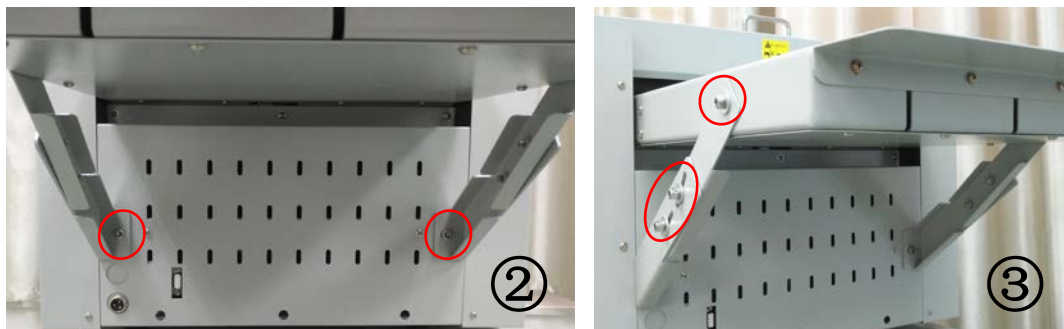
As shown in the following figures, the extension board should be lower than the conveyor so that the coming sheets will not hit the board.



4.5.2 Mount the conveyor to the machine

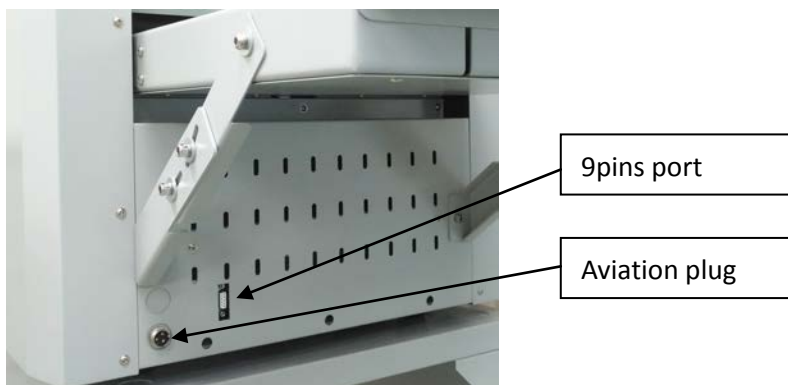
As shown in the following figures, there are two shafts on the machine for the conveyor. Firstly, hang the conveyor to the shafts. Secondly, fix the supporting bar to the protecting cover. Finally, check the screws and make sure all the screws are fastened.





4.6 Communication port

As shown in the following figures, the 9pins port is used to communicate with another machines. The aviation plug is the reserved interface.

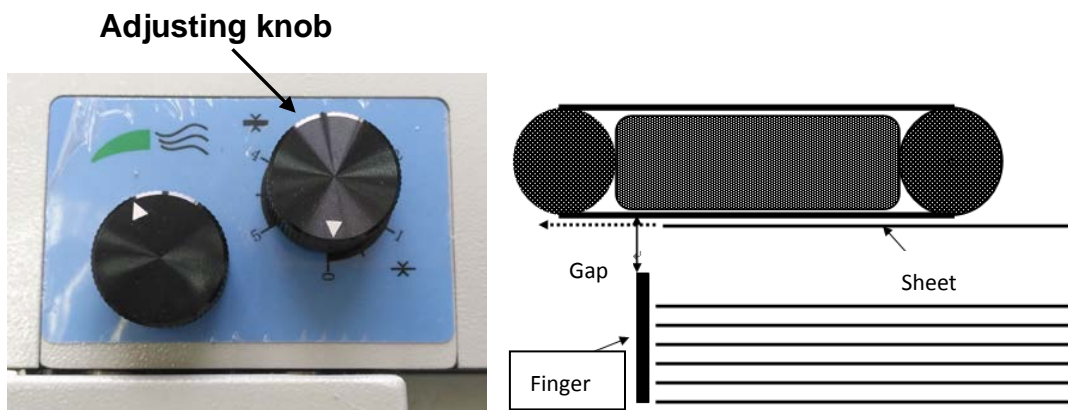


5 Operation

5.1 Setting

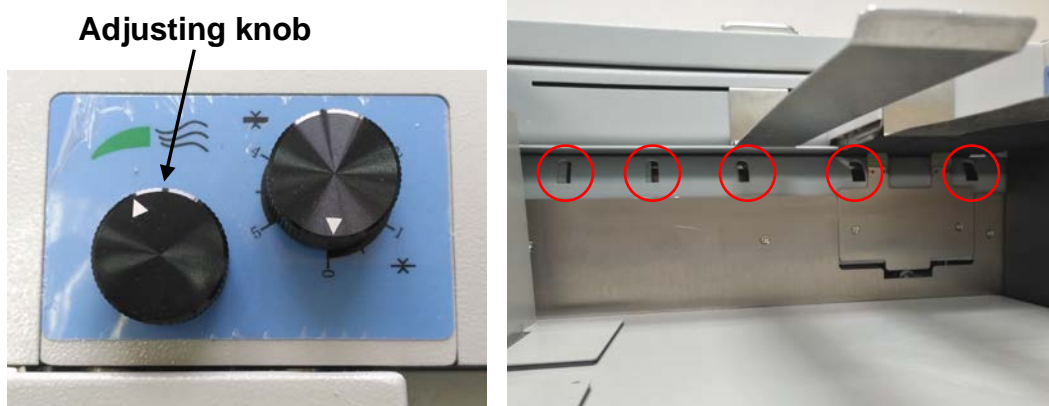
5.1.1 Separator finger adjusting knob

As shown in the following figures. Turn the knob anticlockwise can increase the gap while clockwise decrease the gap. When the sheets double fed, we need to decrease the gap. When the sheets get stuck at the entrance, we should increase the gap.



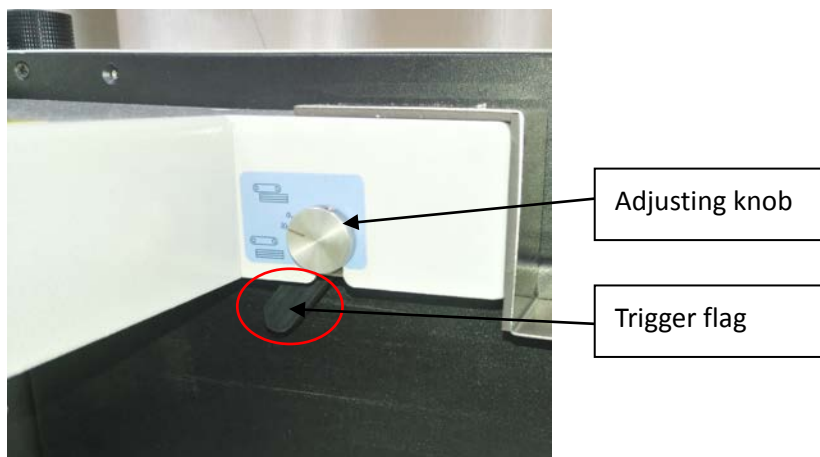
5.1.2 Blowing adjusting knob

Turn the knob clockwise can weaken the blowing. When we run smaller and thinner sheets, we can try weakening the blowing to make it fed smoothly and stably.



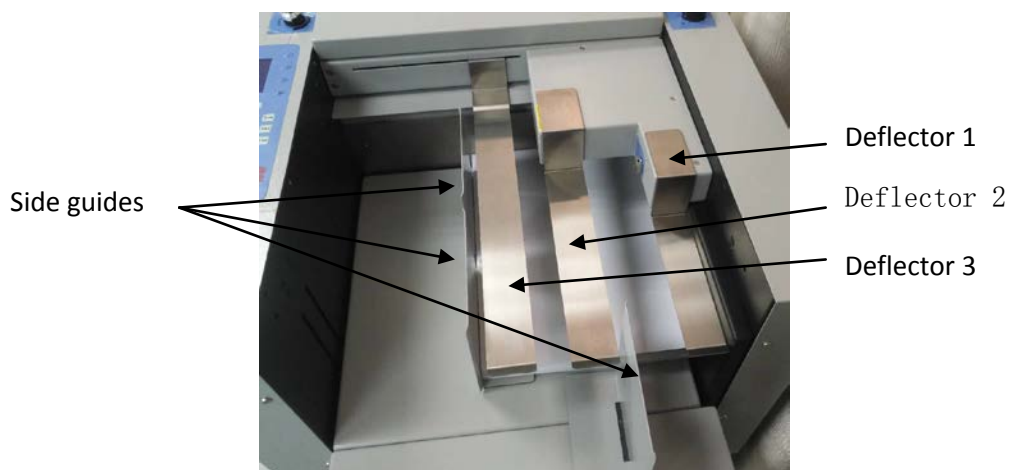
5.1.3 Upper limiting height adjustment for feeding table

Turn the knob clockwise the table will rise higher. If the sheets get stuck when feeding, we can turn the knob anticlockwise a little.



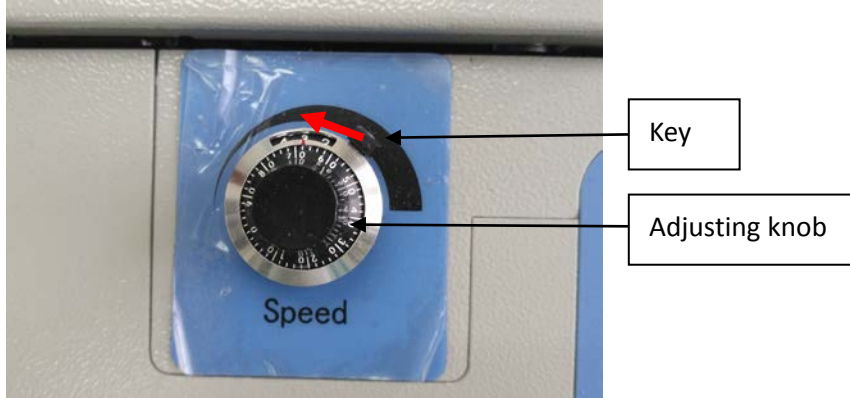
5.1.4 Place sheets

The deflectors and the side guides are placed based the sheet width. As for wider sheets ,you may need to lift the edge of sheet on operation side a little to make it fed square.



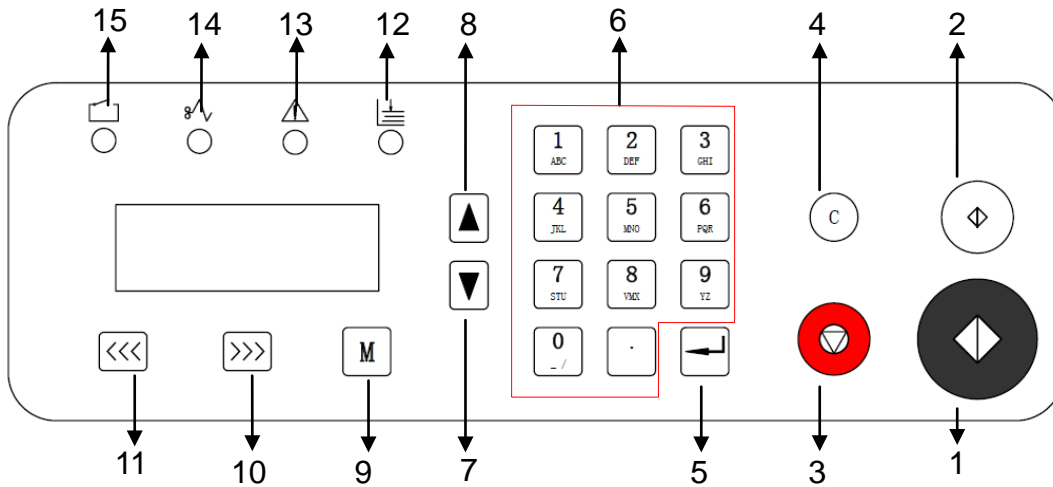
5.1.5 Speed adjusting knob

Turn the knob anticlockwise the speed will slow down . Before we turn the knob, we need to unlock the key by following the arrow direction first.



5.2 Key panel

Please read the instructions for each key in the following form before you run the machine.



No.	Name	Description
1	Start button	Run the machine.
2	Test button	The paper will stop near the exit. It can be used to adjust the connecting machines to the correct position.
3	Stop/Pause button	Stop the machine.
4	Clear button	Clear the input data or the warning message.
5	Confirm button	Confirm the input data.
6	Number button	Input data.
7	Page down button	Reserved button.
8	Page up button	Reserved button.
9	Mode button	Select different interfaces.
10	Backward button	When paper gets stuck inside, they can be used to drive the paper out.
11	Forward button	When paper gets stuck inside, they can be used to drive the paper out.
12	No sheets indicator	The indicator will be illumined without placing paper in long run.
13	Error indicator	When machine comes up errors, the indicator will be illumined.
14	Paper jam indicator	When sheets jam inside, the indicator will be illumined.
15	Top cover indicator	When top cover opened, the indicator will be illumined.

5.3 Standby



When power on the machine, it will come up the Vivid Laminating welcome interface. Then it will enter standby interface. Ver: 1.01 means the current software version of machine is 1.03.As for the “Ready 0/0,the left 0 means quantity of the paper being run and the right 0 means the preset quantity of paper. When the being run quantity reach the preset quantity, the machine will stop automatically. In standby interface, we can use number keys for quantity preset and “C” button to clear the quantity. The largest input is 999.

Note: Only in standby interface can we press the green start button to run the machine.

5.4 Set Batch

Press “M” to enter Set Batch interface. We can set the batch quantity. Shown in the following pictures. After confirming, it will enter the standby interface. Then we can set the sheet quantity for each batch. For example, we set 3 batches and 2 sheets for each batch on the machine. And then the machine will stop when it finishes running 3 batches and 2 sheets for each batch.



Note: When the sheet quantity is less than the setting, the machine will stop. Then after we place more sheets on the table, it will continue the last job.

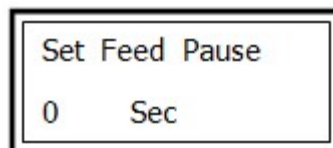
5.5 Set Batch Pause

Press “M” to enter the set batch pause interface. In this interface, we can set the batch delay time. It can be set from 1s to 99s.



5.6 Set Feed Pause

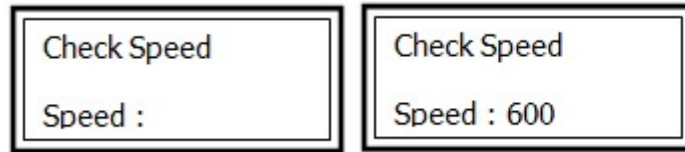
Press “M” to enter the interface. We can set the delay time between each sheet fed into the machine. It can be set from 0 to 9s.



5.7 Check Speed

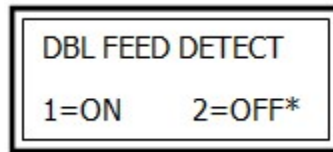
Press “M” to enter the interface. Then press the green start button. It will show the current running speed. We can use the speed adjusting knob to change the speed. Press red stop button can stop the test. Then press the stop button again to enter the

standby interface.



5.8 DBL feed detect (Optional)

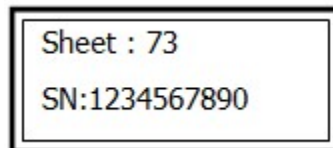
Press “M” to enter the interface. We can select to open or close the double feed detecting function.



Note: The double feed detecting sensors are optional. If there are no double feed detecting sensors on the machine but the double feed detect is on, it will come up the error message.

5.9 Machine Information

Press “M” to enter the interface. The SHEET means the total sheet count and the SN means the serial number of the machine. This information is used for warranty service.



6 Trouble shooting

6.1 C-5 no paper

As shown in the following figure, there is a sensor for the detection of sheets. When the sensor detect no sheets on the table, it will come up C-5.



6.2 C-2 infeed jam

(1) C-2 comes up without any sheet getting stuck

As shown in the following figure, the sensor may be covered by paper dust. So you may need to do some cleaning for the sensor. Make sure the upper and bottom sensors are in one line. If it still didn't work, then the sensors itself may have issue.



Note: There may exist a lot of dust on it after a long time use.

(2) C-2 comes up during running.

Machine is running without feeding for a long while.

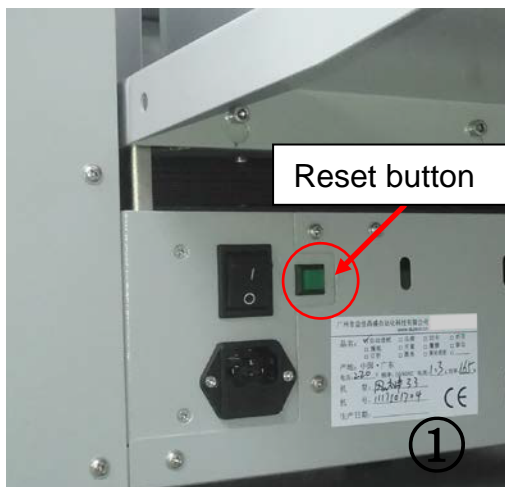
6.3 C-1 top cover open

When the top cover is opened, it will come up C-1. If the flag didn't press the switch or the switch broken, it will come up the C-1 as well.



6.4 E-1 elevator error

(1) When feeding table gets stuck at the bottom, we can restart the machine. Then press the start button and reset button at the same time.



(2) When feeding table gets stuck on the top, we can restart the machine. Then press the stop button and reset button at the same time.

6.5 C-6 Double or multiple feed

- (1) The machine didn't have double feed detecting sensors on it.
- (2) Adjust the knob or blower by flowing the instructions in section 5.1.1 and 5.1.2.

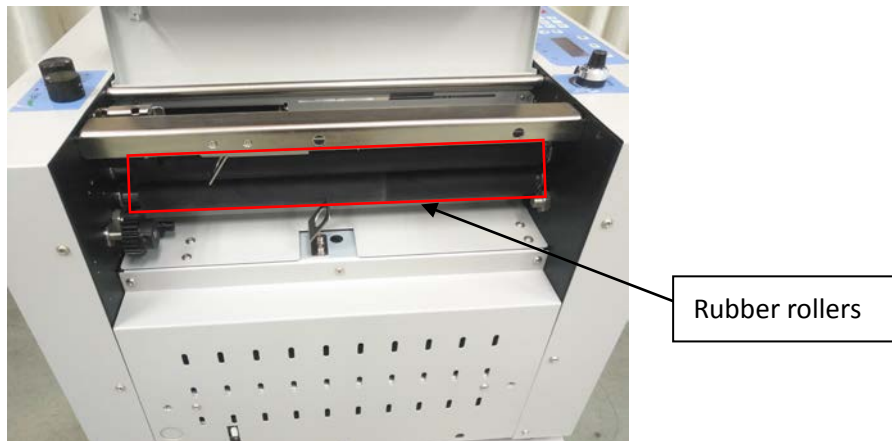
7 Maintenance

Maintenance of machinery is crucial, necessary maintenance can extend the service life of machinery, and can improve the efficiency of machinery. After long run, the mechanical parts may be covered by lots of dust, which will have bad effects on the operation. The operation environment should be dry and clean.

Note: Please unplug the power cord before any cleaning.

7.1 Clean the rubber rollers

As shown in the following figure, open the top cover and use the cleaning cloth to clear the dust on the surface.



7.2 Clean the sensor

Use the air gun or cotton swab to clean the surface of sensors.

