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Safety Tips

If power-on, never stretch your hands or other parts of body into the shield to avoid any injury.

When clearing residual nylon tubes, never touch upper or down heater to avoid injuries, such as scald.

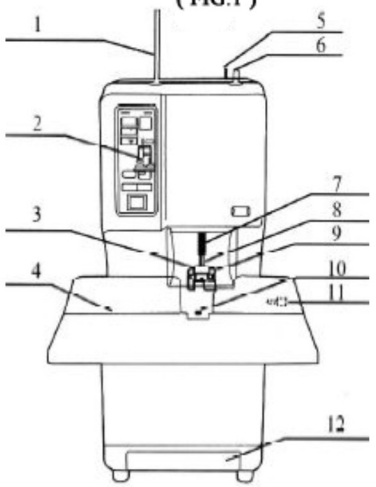
When taking off the drill, never touch drill bit in order to avoid scratches or scalds.

To ensure the drill reaches the bottom of tool apron and tighten it, otherwise the drill will get loose when working, even damage the machine.

Please never disassemble the machine for maintenance without permission. When machine in abnormal situation, please contact the dealer.

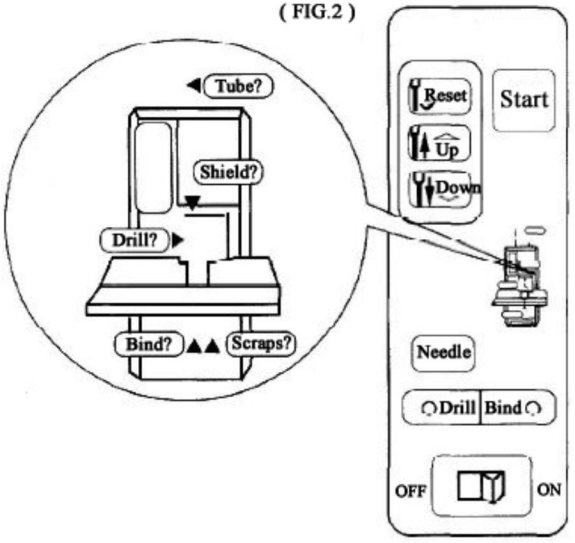
Name of parts

(FIG.1)



1. Tube entrance
2. Operation Panel (FIG. 2)
3. Shield
4. Work table
5. Tube picker
6. Release key of Pressing arm
7. Drill bush
8. Drill
9. Pressing arm
10. Rubber coin
11. Lock pin of work table
12. Dust box

(FIG.2)



Function and operation instructions of the panel

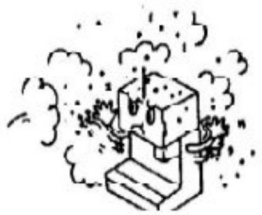
[ON/OFF]	Power switch. Press “ON”, then the power of the machine is connected and the indicator lights up.
[Start]	Press this key, and then the machine starts required actions.
[Reset]	When there is something abnormal, Press this key to reset the drill.
[Drill]	This key is to set machine as drilling mode. At the same time, the drilling indicator lights up.
[Bind]	This key is to set machine as drilling and binding mode. The binding indicator blinks when preheating. After that, the machine can work normally, and then the binding indicator lights up.
[Up]	Press this key to make the drill ascend.
[Down]	Press this key to make the drill descend.
[Needle]	If binding is unsatisfactory, press this key to raise the needle in order to remove the residual tubes.
[Tube ?]	This indicator will blink when nylon tube runs out or tube in shortage. Then use the Tube picker to rotate 360 degree gently in clockwise direction, and then pull it out to remove residual tubes and replace a new one.
[Shield ?]	When the shield is open, the indicator will blink and binding machine cannot work.
[Drill ?]	When the drilling goes wrong, this indicator will blink.
[Bind ?]	When the binding goes wrong, this indicator will blink.
[Scraps ?]	When the scraps in the dust box reach to the wax. required volume, this light will blik with sounds.

Installation

※ Before installing, firstly ensure a proper work table for the binding machine, and leave enough space for operation. Please pay more attention to the following points:



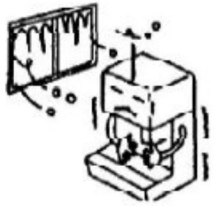
Place the machine stably on the work table to avoid over vibration.



Avoid too much dust.



Avoid abnormal high temperature and over humidity. Control the ambient temperature 0-40℃, and relative humidity 30%-85%.



Avoid the machine directly in the airflow of cool or warm air blower.



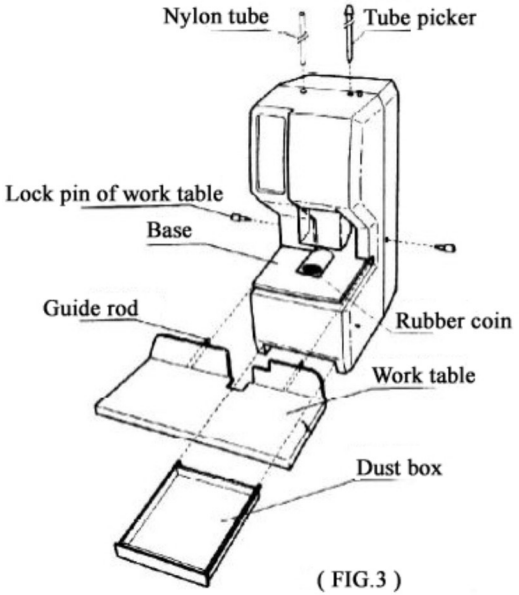
Away from direct sunlight



Keep well-ventilated.

Installation

- Make the guide rod in the bottom of work table aiming at the two sides of base, make front work table in place, then fasten it by lock pin of work table.
- Assembly location of front work table and Dust box, refer to Figure 3.
- Assembly location of Tube picker, rubber coin, nylon tube, refer to figure 3.
- Power supply: regulated power supply 220±5%V/50Hz, avoid using the same power supply with other loads. The power socket of binding machine should be well-grounding for safety consideration.



(FIG.3)

Operation Panel and the Instruction

- Install the drill, refer to Page 13 for details.
- To check the drill inside drill bush whether positioning in place with T-shaped spanner.

【Attention】If not reach the bottom of tool apron or tightened, the drill may get loose; even damage the machine when drilling.

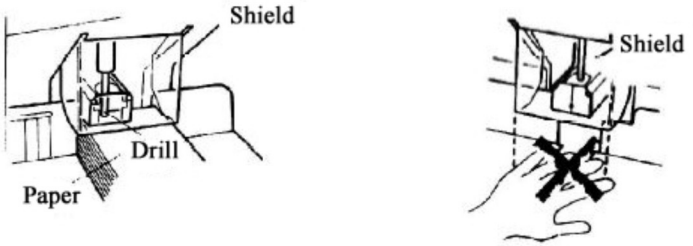
- To check whether rubber coin is in place, refer to Page 14 for details.
- Firstly power on, press [ON], switch indicator should light up.

[Warning: when power-on, never stretch your hands or other parts of body into the shield. Drill and Pressing arm are movable parts; their actions will cause personal injury!]

- Put nylon tube from tube entrance into place([Tube ?] indicator lights up instead of blinking).
- To check the hole location (refer to Figure 4)

Press [Down], the drill will move downward to close to paper. And then loosen the key timely before the tip of drill touches paper.

【Attention】At this moment, if the tip of drill touches paper, it will cause the machine over-load. When this problem happens, press [Up] to raise the drill.



(FIG.4)

Operation

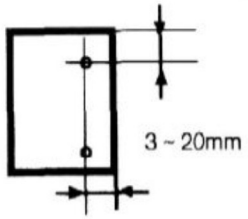
- Set the distance of binding hole apart from paper margin

  Refer to Figure 5 for the rules of the distance between hole and paper margin. Firstly make the required distance clear (within the range of 3-20mm), loosen lock pin of work table, to check hole location according to the above introduction by shuttling front work table. After that, lock the work table with lock pin.

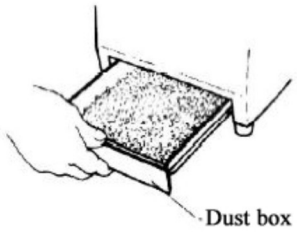
- If binding in need, press [Bind], then tidy paper up in place. (Refer to Figure 4). Wait for a moment, when the binding indicator lights up instead of blinking, then press [Start], thus the machine can bind automatically.

- If drilling is only in need, press [Drill], drill indicator lights up; Put paper in place, then press [Start], thus the machine can drill automatically. After perforating,the pressing arm will drop automati cally.During the process of drilling & binding,if it shows drilling alarm, please press the release key of pressing alarm located in the top the machine,then the paper will drop from the pressing alarm automatically.

- Paper scraps caused by drilling will fall on the Dust box (Refer to Figure below), please clear daily.

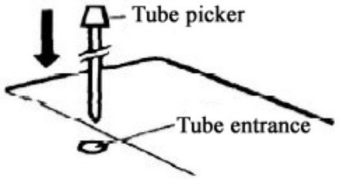


(FIG.5)

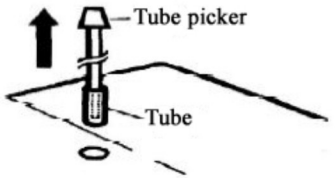


Operation

- Replace nylon tube

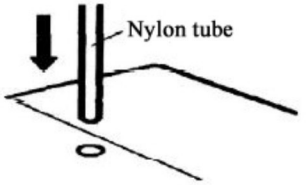


1. Insert the Tube picker fixed on the top of binding machine from tube entrance, then gently rotate it 360 degree downwards and clockwise;



2. Cover the tube picker with residual tube, and pull it out of tube entrance along with tube picker;

3. Insert a new nylon tube and put it in place.

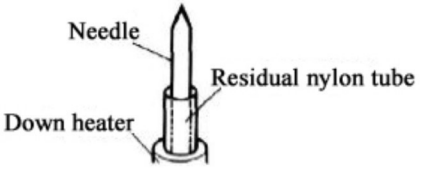


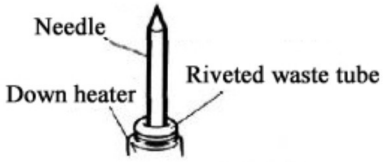
- Remove waste nylon tube

1. Press [Pressing arm] in order to take paper from Pressing arm;

2. Remove binding paper;

3. Press [Needle], remove the waste nylon tube or riveted waste tube. (Refer to Figure 6)

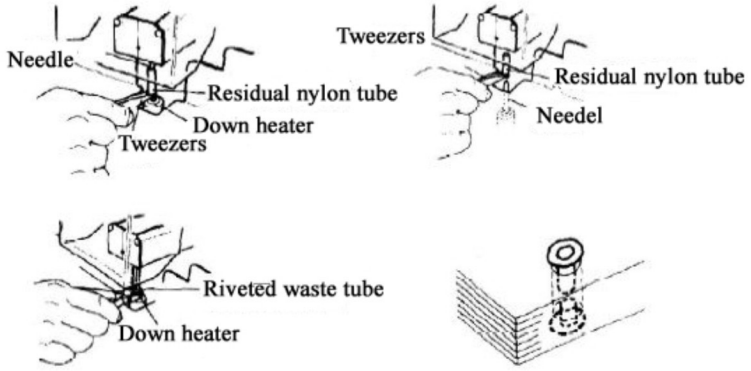




(FIG.6)

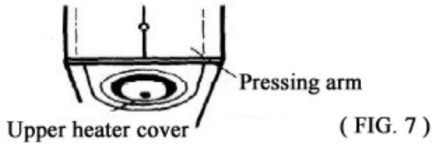
➡ 4. When the residual tube was removed by the needle, return the needle, then clamp the tube with tweezers to make the tube move in the opposite direction of needle, thus removed from the needle.
(Refer to the Figure below)

【Attention】If the residual tube isn't removed, but a new one is replaced, which will cause problems shown in Figure below.



➡ 5. To check whether there are some paper scraps adhering to the upper heater on the bottom of Pressing arm (Refer to Figure 7). The paper scrap can be removed with tweezers (Note: the operation should be gentle to avoid damage heater protection layer).

【Warning】Never touch the upper or down heaters with your hands where the temperature is very high, thus will scald your skin.



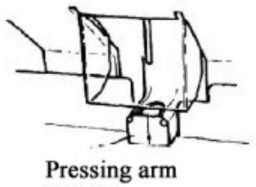
(FIG. 7)

➡ Take down the drill

1. Press [Drill], Drill indicator lights up.

2. Press [Down] to make the drill move downward by 2-3cm (Refer to Figure 8).

3. Press [Off], and open the shield (Refer to Figure 9).

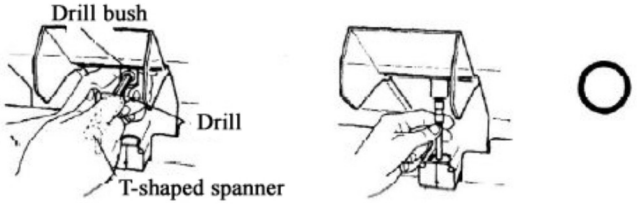


(FIG.8)



(FIG.9)

4. Put a piece of paper under the drill, and then loosen screws of the drill with T-shaped spanner. When loosening the second screw, please hold the shaft of the drill to avoid any injury caused by drill's gliding due to the deadweight.



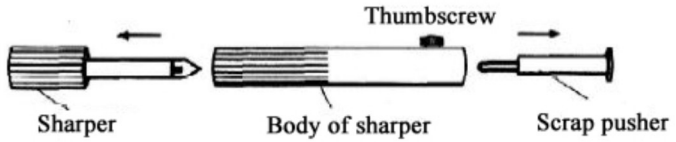
In the above process, paper scraps free fall on the paper.

[Attention: the tip of drill is high temperature and very sharp, never touch it!]

Operation

➡ Clean the drill

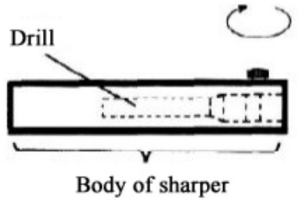
1. Loosen the thumbscrew on the sharper (Refer to Figure 10) and pull out the scrap pusher;



(FIG.10)

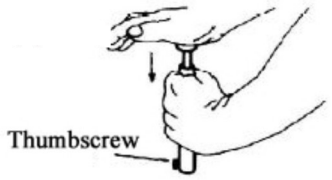
2. Insert the drill into the Body of Sharper, make the end face of sharper handle aligned with that of body of sharper, and then fasten it with thumbscrew. (Refer to Figure 11);

【Attention】Only when the end face of thumbscrew aligned with that of Body of Sharper, we can ensure the drill reaches the bottom of tool apron and tighten it.



(FIG.11)

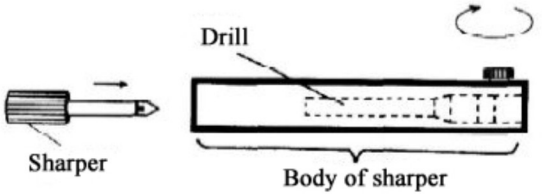
3. From the other side insert the scrap pusher, and then press its head with your hand (Refer to the right Figure) to push paper scraps out of the drill.



Operation

➡ Sharpen the drill

1. Insert the drill into the Body of Sharper to make the end face of thumbscrew aligned with that of body of sharper, and then fasten it with thumbscrew. (Refer to the Figure below). Insert the sharper slowly into Body of Sharper to make it touch the tip of drill;

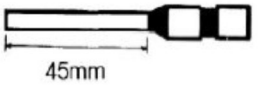


2. Turn the sharper 5-6 times in the clockwise direction, but the strength should be equal and even, never over strength, otherwise the drill tip will bend (Refer to the Figure below). Disassemble the drill and check whether it is sharp.





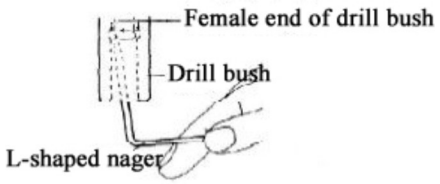
【Attention】The sharpening limitation of the drill is 45mm. If it is less than 45mm, then it will be suggested out of use. (Refer to the right Figure)



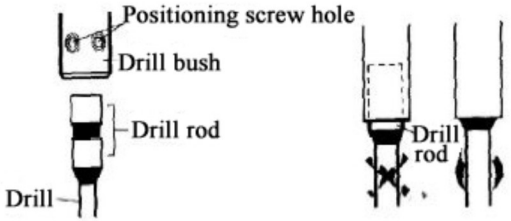
Operation

➡ Install the drill

1.Clear the inner part of drill bush with L-shaped Nager ;

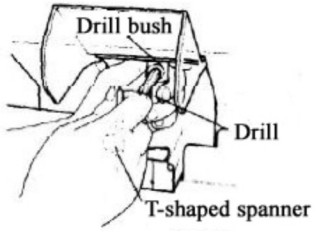


2. Insert the drill until hearing clash made by the drill rod when it touches the Female end of the drill bush;



3. After the drill rod fully entering the drill bush, tighten two positioning screws with T-shaped spanner. (Refer to the Figure below).

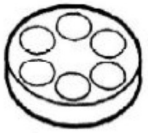
【Attention】Only when the drill rod fully enters the drill bush,we can ensure the drill reaches the bottom of tool apron and tightened.



Operation

➡ Robber Coin using

Rubber coin is the consumptive part in the process of binding. Thus reasonable use can prolong its service life. Refer to the Figure below, every location of the rubber coin can be used 40 times, but one rubber coin has 6 locations, thus one can be used 240 times in total. Rubber coin has two sides. In the usage, pay attention to ensure the plain side adown.

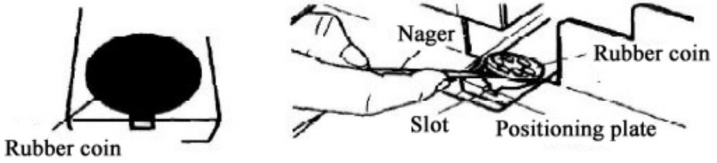


Change the location of rubber coin or replace new one according to the following steps:.

1. [ON/OFF] OFF;

2. Lever up the rubber coin from the slot of rubber coin positioning plate with L-shaped nager, then pull it out (Refer to Figure 12);

3. Change its location or replace new one, and then check whether it is placed properly.



(FIG.12)

Binding Machine

Simple Malfunction Solution

➡ No drilling in the following situations:



➡ the distance between drill location and paper margin is less than 3mm.



➡ paper is slant, unequal height.



➡ there are staples or paper clips mixed in the paper.

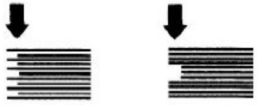


➡ colloids or stamps adhere to paper, or paper has folds.



➡ drill the drilled part of paper.

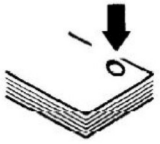
➡ If the paper scraps are not round when drilling, possible reasons:



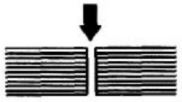
▲ the margins of paper is not aligned.



▲ folds of paper is folded in half.



▲ drill the same part of paper repeatedly.



▲ drill along the edges of two piles of paper.

Troubleshooting

Alarm	Cause	Solution
[Tube ?] indicator blinks	Nylon tube runs out	Replace nylon tube
[Shield ?] indicator blinks	The shield is open	Close shield, and then continue operating after this indicator is off.
[Drill ?] indicator blinks (checking according to the list)	The cavity of drill is full of paper scraps	Open shield, remove drill and clear paper scraps in drill cavity and drill bush
	Paper is mixed with metal products	Check whether paper is mixed with staples, paper clips or other metal products, and then remove them.
	The drill glows due to over-use	Suspended
	The drill is dull	Sharpen the drill
	Paper scraps are not smoothly removed from drill	Press [Down] to make the motor move downward 2-3cm; open the top part of drill and examine; clear paper scraps
[Bind ?] indicator blinks	Drilled holes are blocked up by paper scraps	Clear up paper scraps
	Drill positioning isn't in place in the drill bush	Re-fix the drill
	Paper slips away from the binding location	Re-put paper in order
Nylon tube only rivets one side of paper	There is residual tube in the drilled hole or down heater	Remove rest waste tube; press [Needle]; Refer to Figure 6, remove waste tube on the down heater
Paper scrap box alarm	Check whether the paper scrap box is full	Clear up the scrap

Appendix

Technical Parameter

Power supply: 120V 50HZ

Drill: Φ7× 51mm（Special hollow drill）

Binding Method: Nylon tube heating
and riveting with high temperature

Binding capability: 5-50mm thickness (75g/㎡ paper)

Power consumption: standby state p≤10w;
working state (max) p≤400w

Preheating time: about 4-6 min

Dimension of work table: 440mm (length)*200mm (width)

Net Weight: 40Kg

Packing List

No.	Name	Quantity
1	Machine (Including:)	1
	Work table	1
	Lock pin of work table	2
	Tube picker	1
	Dust box	1
2	Tools	1
3	Nylon Tube	1
4	Rubber coin	2
5	Operation manual	1
6	Certificate of Quality	1
7	Warranty Card	1

Inspector: Packer:

Binding Machine