

# Foreword

Thank you for your choice of our Electric Programming Paper Cutter series. We will provide good quality and reliable after-sale service on the basis of original products. Our research and development engineers combined advantages of products at home and abroad, and finally developed new model machines with new advantages. It owns high technology, precise construction design, and elegant appearance with the security control part and improved cutting precision to get high work efficiency. It can be broadly used in printing shop and official usage. It is the most ideal cutting equipment which well complies with official automatic system.



Warning: this kind of machine is allowed to cut printed paper or books or soft leathers only. It is forbidden to cut any metal sheets or other hard objects do harm to the machine quality.



Forbid children to operate the machine



Keep hand from underneath the blade



Do not extract or transport the blade without protection



Do not cut hand or splintery materials



Must use socket with ground wire connected

Note: Please read this manual carefully first in order to realize and use this kind machine, it will help you improve the work efficiency, bring into play the function of machine, prolong service life of the machine.

# Safety Cations

**According to relevant standards,to avoid accident andaccidental injury, only professional operators are allowed to use this machine (children or non-professional operators are forbidden to operate) to use or maintain these machines,please pay high attention to safety cautions below:**



## Settlement position

The weight of this machine is about 75-95kgs. Please put it in balance in a clean place.



## Power

Please connect with the power source correctly in accordance with the specification.the power source should br steady AC220V.50HZ. 2KW ,and the machine will run irregularly if the voltage is too high or too high or too low.We suggest you use alternating current (AC) power source with steady voltage to impeng your working efficiency



## Ground connection

For safety ,you should use electric supply socket with ground wire connected



## Overloading with appliance

Don't connect too many electric equipment at the socket .It is dangerous and easy to cause fire or electric shock.



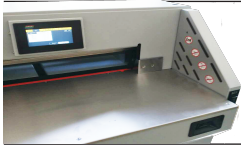
## Maintenance

Before you clean or maintain the machines. you mast cut the electric source and pull out the electric supply socket.



## Keep dry

Prevent water or other liquid flow into inner machine.



Children or non-professional person must not operate this machine.

Do not reach beneath the blade.

Do not reach cut.

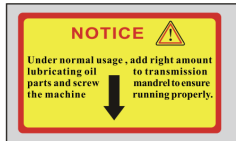
Do not cut hard material or material which may splinter.



Must use socket with ground wire connected.



Air safety switch, non-professional persons are not allowed to open. It is much dangerous.



Under normal usage, please add right amount lubricating oil to transmission parts and screw mandrel to ensure the machine running properly.



Emergency stop which is used in emergent situation. It should be pressed after dealing with emergency. Then press the RESET button to get into functional.



Test to running the machine with one piece 80gsm paper. If the paper can't be cut completely, please fine adjust the spin blade depth (adjustable depth range about 5mm).

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# Chapter I Safety caution

## 1. Open the box and check

When you open the package of the machine, firstly you should check the machine and relevant accessories. Please contact the seller or company if there is any damage or shortage.

● Main unit one set	● Machine chassis one set
● Specification one piece	● Tooling one set
● Rubber under chassis four pieces	● Certificate one piece
● Stick one piece	● Power plug one piece
● Maintenance warrant one piece	

## 2. Machine installation

- ◆ Open the wooden crate ,take out the machine casing and discharge the fixed screws on the base plate of the main machine;
- ◆ The machine casing needs to be assembled completely, and the screws should be fixed firmly.;



- ◆ The main unit should be installed on the machine casing correctly.
- ◆ Fix the door of the cabinet;
- ◆ Check all parts of the machine, and clean them;
- ◆ Turn on the power and test running.



### 3. Environmental conditions

- ◆ The machine should be placed in clean working environment, keep away from direct sunlight and wind.
- ◆ Temperature of operating environment : 10-30℃, should not exceed 32 ℃ ;
- ◆ Humidity level of the operating environment: 50-80%
- ◆ Working power source of cutting line: DC3V.

### 4. Special suggestions



Remember only one professional operator is allowed to operate the machine;



When you cut ,you should operate buttons by both of your hands; Please don't disassemble infrared safety covering



When you put your hands or other things into the cutting area, you must cut the power firstly;



When you change blades,you should strictly abide the blade changing instruction;



You are not allowed to re-equip the construction and circuit of the machine by yourself.

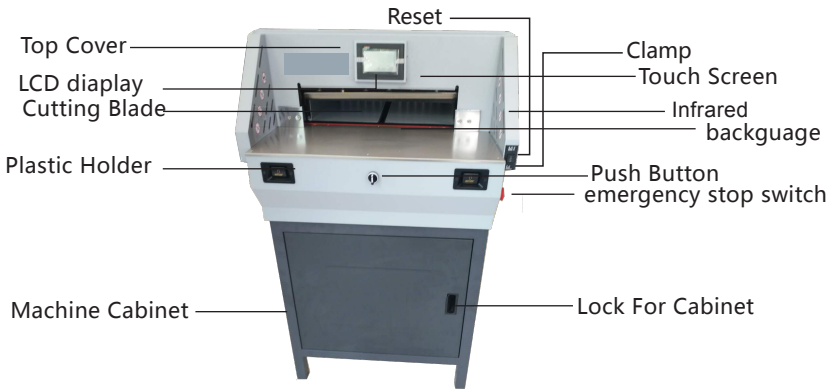
### 5. Operating figure

Turn on the power, open air switch and rotate the emergency stop to make machine get into power-on state. The paper pusher starts running. Proper operation like this: Stand in the front of the machine press the buttons with your hands shown in the picture.



# Chapter II Brief instruction of the paper cutting machine

## 1. Parts description

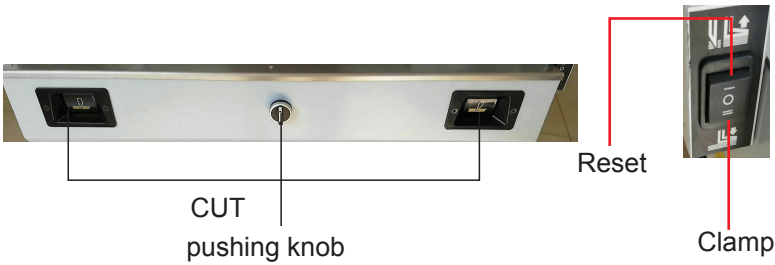


## 2. Principal technical parameter

Specification \ Model	E460T	E490T
Max.Cutting Size ( mm )	460	490
Min.Cutting Size ( mm )	40	40
Cutting thickness Size	60	80
Paper -clamping mode	Automatic	Automatic
Paper-pressing mode	Program-control	Program-control
Display mode	LCD	LCD
Safety Protection	Infrared	Infrared
Power	1230W/220V/50HZ	1280KW/220V/50HZ
Machine Measurement	848*674*1215mm	910*762*1227mm
Net weight	130KG	150KG

### 3. Action button and control panel

#### ◆ Action button and function declaration



## Chapter III Basic operation

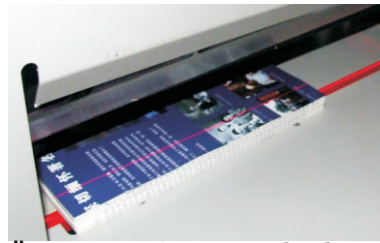
### 1. Basic operation

#### ◆ Start the machine

Before operating the machine, please review contents carefully.

And remove the things on the machine and clean it.

Insert the power plug into the socket of AC220V.50HZ/60HZ. 4KW.



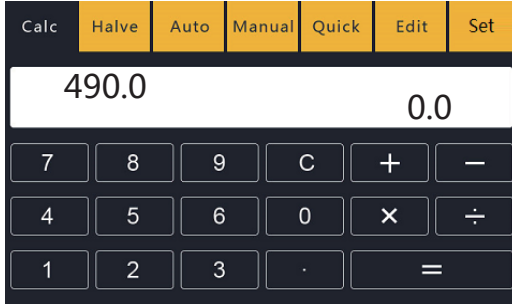
Turn the protective switch to “ON” position. On screen display, and indicative line light. The machine can be operated after backgauge is calibrated automatically.

If the blade and clammer is not at the highest point, pls press the reset button. The machine can be operated once the backgauge is calibrated automatically.

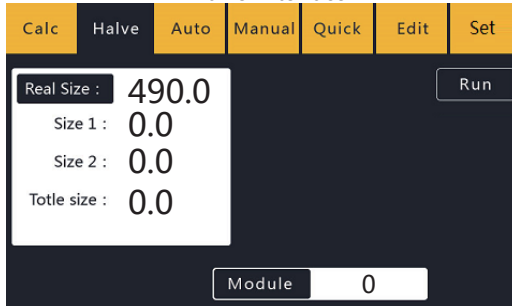


◆ Display introduction

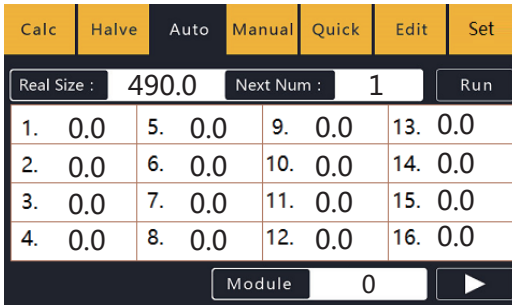
Calculator Interface



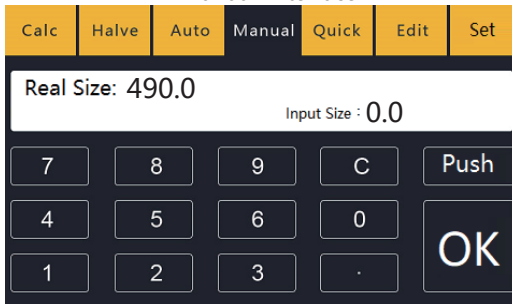
Halve Interface



Divide Interface



Manual Interface



## Quick Interface

Calc Halve Auto Manual Quick Edit Set

490.0

A3 A4

A5 A6

1 0.0

2 0.0

3 0.0

↻ 🖨️ ↩️

## Edit Interface

Calc Halve Auto Manual Quick Edit Set

Auto Edit Halve Edit

Quick Edit

Calc Halve Auto Manual Quick Edit Set

Real Size : 490.0 Run

1. 0.0	5. 0.0	9. 0.0	13. 0.0
2. 0.0	6. 0.0	10. 0.0	14. 0.0
3. 0.0	7. 0.0	11. 0.0	15. 0.0
4. 0.0	8. 0.0	12. 0.0	16. 0.0

Module 0 ▶

Calc Halve Auto Manual Quick Edit Set

Real Size : 490.0

Size 1 : 0.0

Size 2 : 0.0

Tottle size : 0.0

↻ Module 0

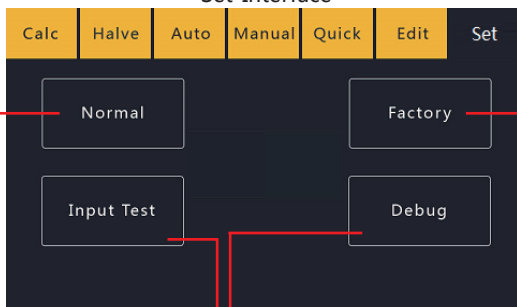
Calc Halve Auto Manual Quick Edit Set

Quick Edit

A3	0.0	0.0	0.0
A4	0.0	0.0	0.0
A5	0.0	0.0	0.0
A6	0.0	0.0	0.0
	1	2	3

↻

## Set Interface



Calc Halve Auto Manual Quick Edit Set

Manufacture date

Machine number

↻

Calc Halve Auto Manual Quick Edit Set

Max size 490.0 Speed 50

Min size 40.0

Size proof 0

Press time 50

↻

Calc Halve Auto Manual Quick Edit Setting

Push back limit : ON	Pulic key : OFF
Cut down limit : ON	Press key : OFF
Cut up limit : ON	Reset key : OFF
Press up limit : ON	Cut key : OFF
Toolchanger switch : ON	Pedal switch : OFF
Photoelectric safety : ON	

↻

Calc Halve Auto Manual Quick Edit Set

Jack Up Blade Up

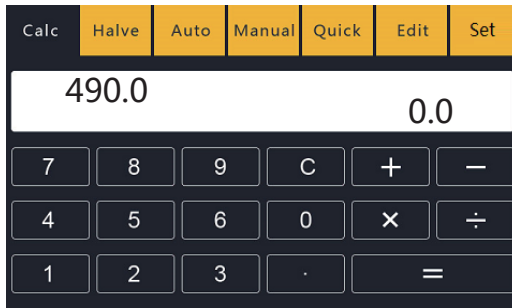
Jack Down Blade Down

↻

◆ Touch screen paper guillotine operating instructions



1 ) There are three modes for pushing paper,With the size 285mm as blew:  
a.Manual mode

Please press Manual to switch to the Manual model,as picture.There are two ways for enterng size.One way is to use the electric handlewheel(but it is very slowly,as the handlewheel is only to fine tune.This way is discouraged.) the second is press 360 ( as blew size),and clear it,The second ways is to input 2850 and enter icon, the backgauge go to the position of 285.0mm



2 ) Put the books or paper right to cut,then make the books or paper lean to the left;



3 ) Shart to cut after the size is entered.Press RESET buttons first,then pressing two CUT buttons at same time ,After that,the clammer come down.When something goes wrong,stop pressing two CUT button,and press  +  the clammer and blade go back to the top.After confirming the paper is right, press two cut buttons to finish cutting.




Finish cutting , the book will be pushed out ( If setup AUTO PUSHING),  
It is finished processing.

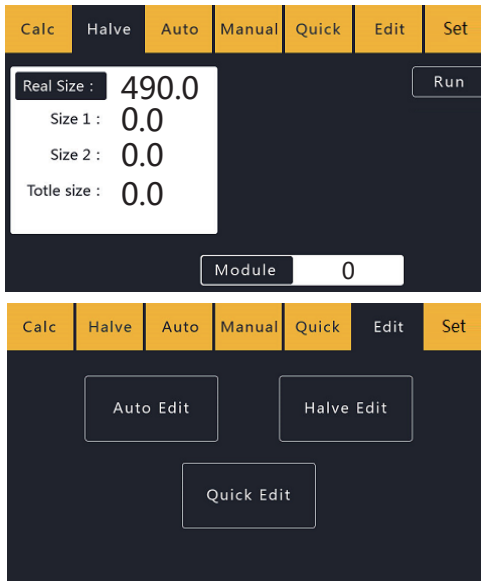
Repeat the above steps to going on.

### b. Divide mode

Click Edit into S.Divide mode, Click Enter and the backgauge move to the first size automatically .



If edit the size , click edit, and enter the first edit mode as follows:

If change the size, click edit – Havel edit , and switch to Havel edit and change date, the last click 



Put the books or paper right to cut, then make the books or paper lean to the left;




3) Start to cut after the size is entered. Press RESET buttons first, then pressing two CUT buttons at same time. After that, the clamber come down. When something goes wrong, stop pressing two CUT button, and press  +  the clamber and blade go back to the top. After confirming the paper is right, press two cut buttons to finish cutting.

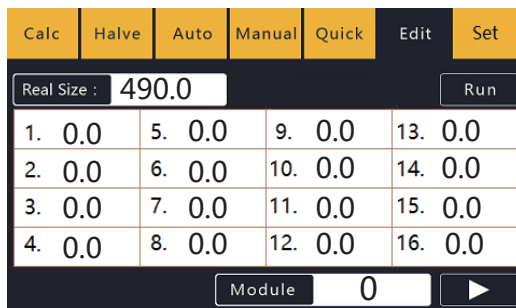
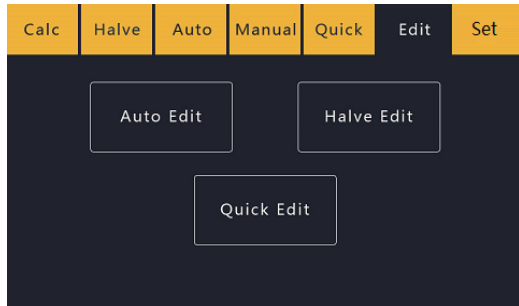


After the first cutting, the backgauge move to next size automatically. Continue to press cutting button, to finish cutting in order of setting.

◆ Auto mode operating instructions

Calc	Halve	Auto	Manual	Quick	Edit	Set	
Real Size :		490.0	Next Num :		1	Run	
1.	0.0	5.	0.0	9.	0.0	13. 0.0	
2.	0.0	6.	0.0	10.	0.0	14. 0.0	
3.	0.0	7.	0.0	11.	0.0	15. 0.0	
4.	0.0	8.	0.0	12.	0.0	16. 0.0	
Module						0	

Click Auto into auto mode, it is a lot of data as blew picture. And Click +- to turn page. If need to change the date ,edit it in the Auto edit interface. Click +-to turn page or chang groups as picture .



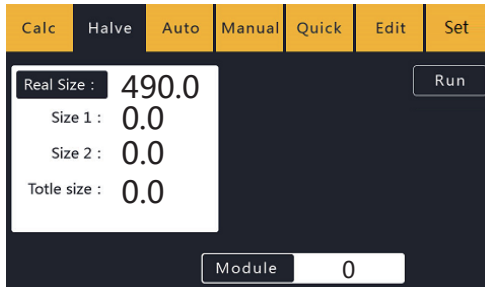
After set and confirm size, put the paper or book len to the left and cut it .




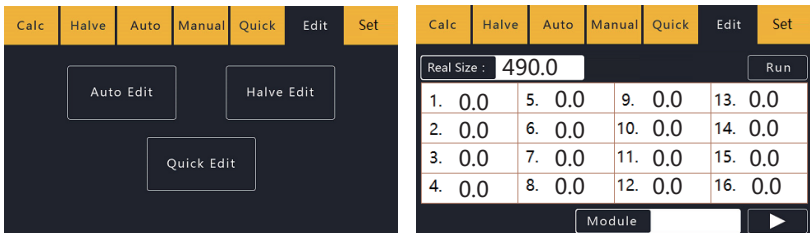


### ◆Quick mode

Click the Quick , Conversion to the quick mode, it appear to some commonstandard size.Click the size that you need. the backgauge automatic push to the size as picture.



If need to edit the commonstandard size , click Quick edit mode, enter the modify interface. After modifying , click  as picture.





## ◆ Cutting blade adjustment

Cut the electricity power;

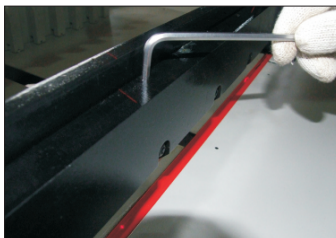
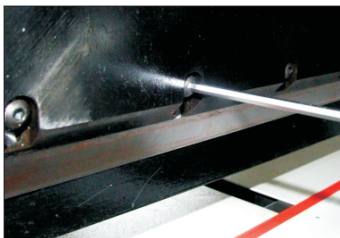
First of all, fine adjust the cutter blade depth (adjust depth range about 2-3 mm) or exchange the cutting side of stick.



Disassemble retaining screws on both sides of the upper cover, and then take the upper cover away;



Loosen seven M6 fastener screws on the blade which is on blade carrier, and adjust the screws on blade carrier, until the blade cuts into the shim about 0.3-0.5mm;



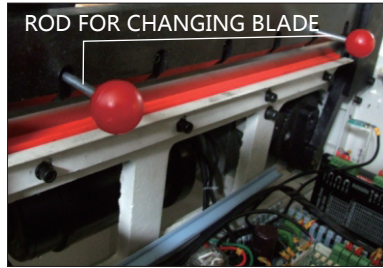
Tighten screws on blade carrier, Put on the upper cover, then fix up;

Choose one piece of paper to have a try. If it cannot be cut completely, you can readjust according to the processes above.

## ◆blade adjustment(Be careful to operate)

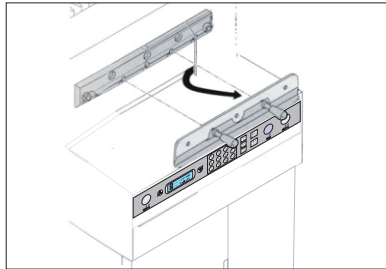
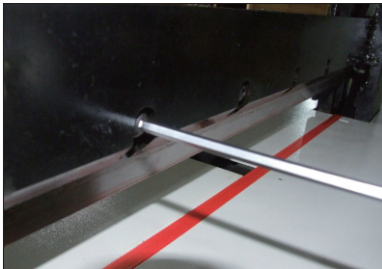
Open the upper cover;

Loosen the fasten screws on the blade carrier,revolve the two screwstems  
screwstems clockwise,and then fix up firmly;

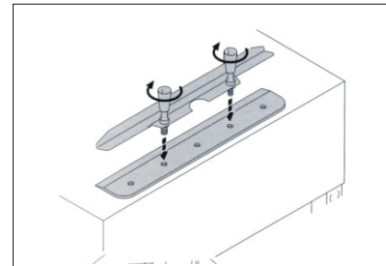
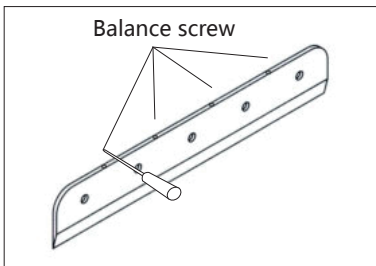


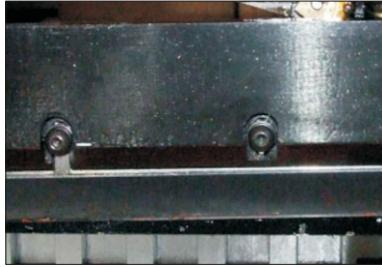
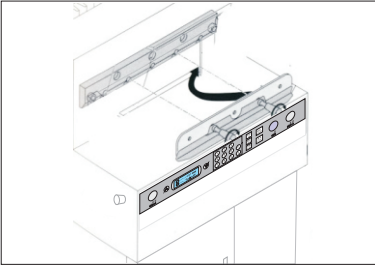
Take away other fasten screws on the blade carrier;

Revolve the two screw stems anticlockwise 180 , then take out the blade.  
Please wear gloves or use cotton cloth to wrap the blade to avoid being  
scratched;



When you install the blade,you should screw up the screwstems.Insatall the  
blade on the blade carrier and use screw strip to fasten and fix up, then adjust  
accrding to cutting depth adjustment method;





Blade sharpening needs to be done in a professional factory to ensure the quality.

Note: Dull blade can't cut paper correctly, Blade also will become dull if it always cuts thick paper or pasteboard, If cutting quality and accuracy can't meet required standard, the blade needs to be changed. Your work will go smoothly if you always have one replacement standby. When you need to change blade, you must operate according to the steps of blade change instruction.

Note: To avoid any injury, you must be more careful when you change the blade.

### ◆ Cutting stick adjustment

One knife shim can be used for 8 times;

When slash on the shim is too deep, you should adjust or change knife strip;

Knife shim can be taken out by screw which should be assembled onto the cutting desk flatly when it needs to be set back; Knife shim should lean to the left side;

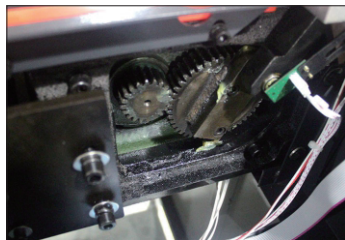
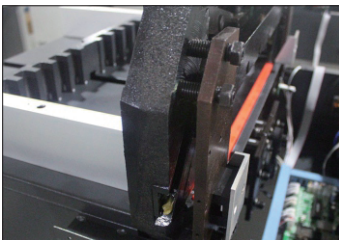
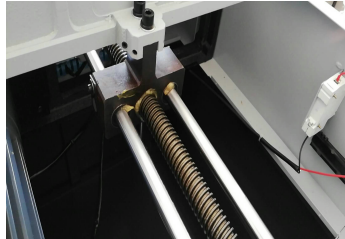
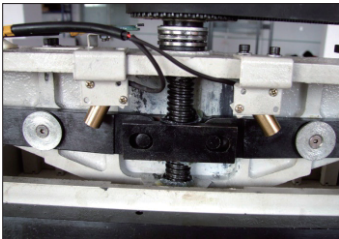
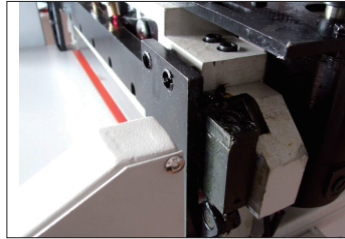
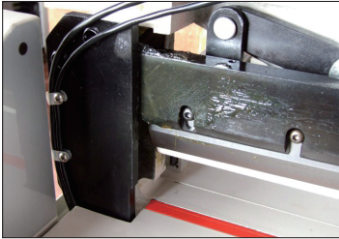


Note: When knife shim is being changed, the blade itself also needs to be adjusted. If the blade cuts too deep, the knife will be damaged easily, and the blade also will abrade rapidly.

## IV、 Lubrication and maintenance

### 1. Lubrication

The machine should be lubricated every one month. Check and clean, tight accessory parts and add lubricated oil to transmission parts. Be careful to add oil in case of dropping in the electric circuit boards and electric component.



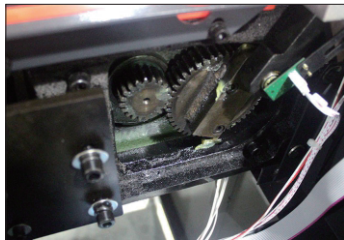
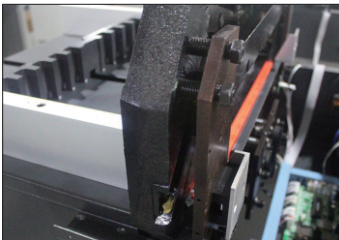
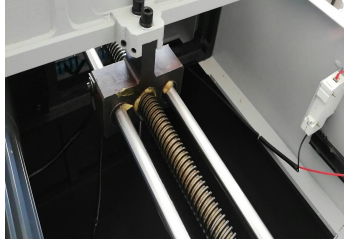
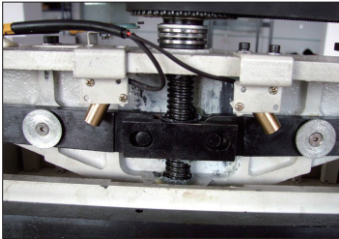
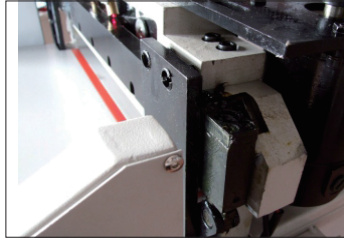
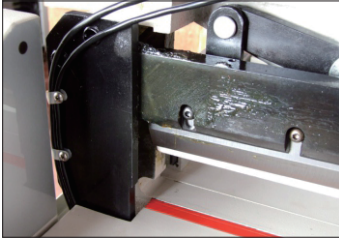
### 2. Maintenance

- 1) When the machine is working, other objects are forbidden to put on the machine. Because the blade cuts hard objects it will be damaged. There should be on staple pin in the book, which will damage the blade when cutting.
- 2) After everyday work, you should wipe the machine, remove junk, wax the blade and cut the power.

## IV、 Lubrication and maintenance

### 1. Lubrication

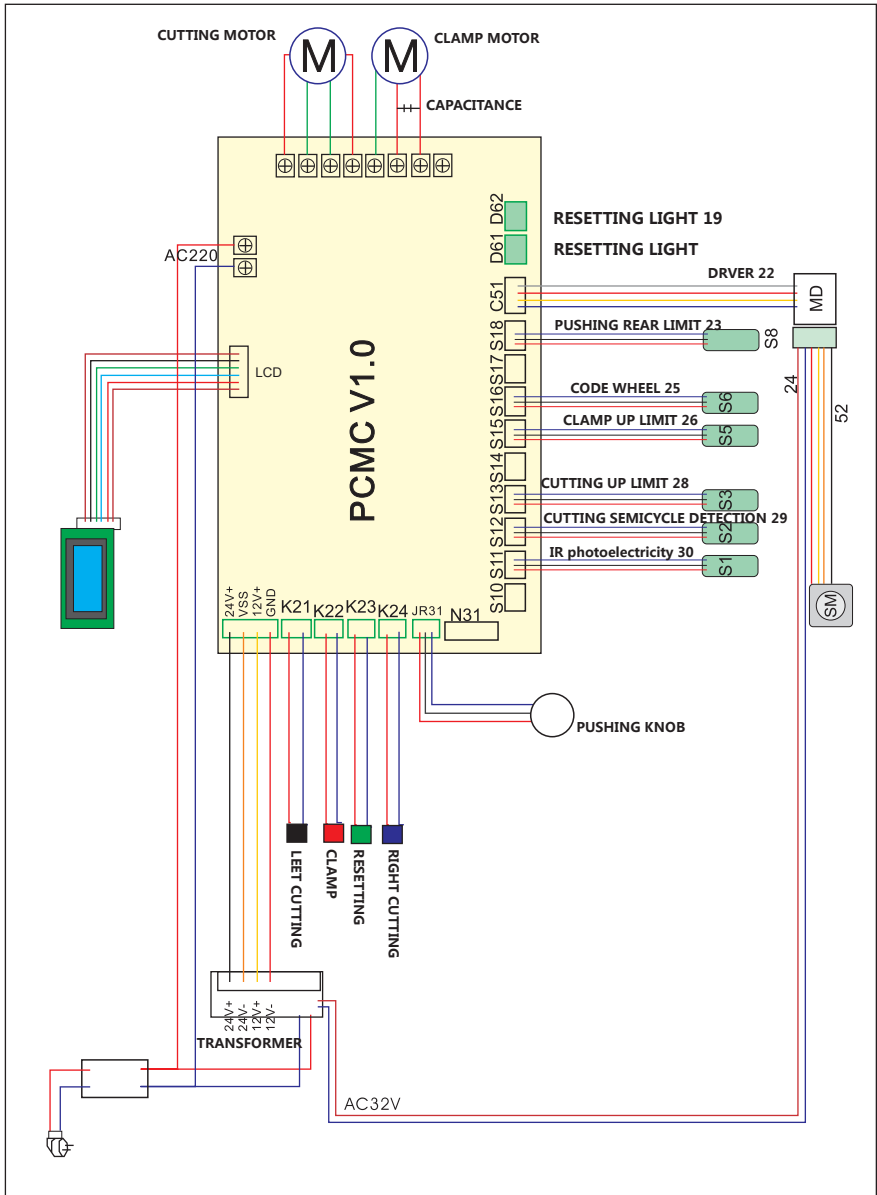
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### 2. Maintenance

- 1) When the machine is working, other objects are forbidden to put on the machine. Because the blade cuts hard objects it will be damaged. There should be on staple pin in the book, which will damage the blade when cutting.
- 2) After everyday work, you should wipe the machine, remove junk, wax the blade and cut the power.

### 3. Paper cutter circuit diagram



## Chapter V Common error and elimination

Error	Phenomena	Solution
Paper cutting is not even or the cutting size is not accurate	The cutting paper is unparallel and has large deviation	Remove the backgauge position offset and loosen the fastening screw to adjust the angle of pushing board.
The blade can not reset or works up and down continuously	All the button is invalid and can not control the blade	1. The sensor's position moves or was damaged. 2. The main board has been damaged
The window can't display or display wrong or can't	Power buttons are invalid	Check display board, main board of the electrical equipment, and circuit parts
Digital-controlled circuit damaged	Paper-pushing part can't work	1. Check stepping motor, driver 2. Check whether the circuit of main board is damaged
Alarm for displaying E-1	The button is invalid and cutting action stops	1. Check the flash 2. Check the control panel
Alarm for displaying E-2	Cut normally, but blade can't return to the original position.	1. Check limit sensor on the blade shelf 2. Check the control panel
Alarm for displaying E-4	Press shelf return abnormal	1. Check limit sensor on the press shelf 2. Check the mainboard
Alarm for displaying E-5	Pressing is abnormal	1. Check pressing motor code-wheel sensor 2. Check the mainboard
Alarm for displaying E-6	Cut normally, but paper pusher can't limit and adjust	1. Check pressing motor backward calibration sensor 2. Check the mainboard

E-1: Photo-electric protection

E-2: error for cutter motor code-wheel sensor

E-4: error for pressing upper limit sensor

E-5: error for pressing motor code-wheel sensor

E-6: error for reset sensor

## Repair warranty

1. The guarantee period of paper-cutting machine is one year. You should register in maintenance station within one month after you buy the machine, in order to establish maintenance file;
2. Maintenance service scope :
  - ① Supply the service of installation ,adjustment,operation,training, periodic maintenance, elimination of error in normal operation and repair.
  - ② Supply to change parts damaged in moral operation,maintain motor and circuit for one year:knife shim and blade belong to expendable supplies,so they are excluded form the maintenance scope.
3. Maintenance should be undertake by the local sales agency.
4. We won't undertaken the maintenance and accessories diversion fees caused by conditions below:
  - ① Damage caused by accident,wrong operation or intent disassembling.
  - ② Repaired by stations not authorized by our company,or use dependable materials and accessories not required by our company.
  - ③ The customer doesn't register in the maintenance station within one month after he buys the machine.
  - ④ The machine is damaged because of oil lack,oil in or water inflow.

## User file

**Name** \_\_\_\_\_ **Tel** \_\_\_\_\_

**Address** \_\_\_\_\_

**Company** \_\_\_\_\_

**P.C** \_\_\_\_\_ **Date** \_\_\_\_\_

**Distributor** \_\_\_\_\_

**Model** \_\_\_\_\_ **Serial No** \_\_\_\_\_