

Colordowell

4908M PAPER CUTTER

User Manual



Before Installation
Please Read This Instruction Manual.

FOREWORD

Thank you for your choice of our Precise Paper Cutting Machine series. We will provide you with good quality and reliable post-sale service. On the basis of original products, our research and develop engineers combined advantages of products at home and abroad, and finally developed new model of Precise Paper Cutting Machine. It owes hgh technology, preclse constructlon deslgnation, and elegant appearance, with the securitycontrol part and cutting precision improved.It can be broadly used in printing centers and offices. It is the most ideal cutting machine which well complies with office automation system.

Warning:This kind 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 with kind machine.



Children must not operate this machine.



Do not reach beneath the blade



Do not extract or transport the blade without protection



Do not cut hard material or material which may splinter



Must use socket with ground wire connected

Note:In order to have more usage information of Numerical-controlled Paper Cutting Machine, you have to read this specification carefully first.This will help you improve your working efficiency, realize the machine's property, have the best cutting effects. This will also be good for the maintenance of the machine, and can prolong service life of the machine.

SAFETY CAUTIONS

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

■ SETTLEMENT POSITION

The weight of this kind machine is heavy, please put it balanced and in a clean place.

■ POWER

Please connect with the power source correctly in accordance with the specification. and the machine will run irregularly if the voltage is too high or too low. We suggest you use alternating current (AC) power source with steady voltage to improve your working efficiency.

■ GROUND CONNECTION

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

■ SUPERCHARGE

Please don't connect many electrical products on one electric supply socket, because supercharge may cause a fire or an electric shock.

■ CLEANNESS

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

■ WATERPROOF

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 materials which may splinter.



- ▶ Must use socket with ground wire connected.
- ▶ Air safety switch, non-professional person is not allowed to open. It is much dangerous.



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



- ▶ Emergency stop which is used in emergency situation should be pressed after dealing with emergency.



- ▶ 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 5mm) It can be set and adjusted as picture shows for numerical-control series.
- ▶ If for the program-control series, it can be set and adjusted on the control panel.

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I SAFETY CAUTIONS BEFORE INSTALLATION

1. Open the machine and check

When you open the package of the machine, firstly you should check the machine and relevant accessories. Please contact the seller or our 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

Screw stem
two pieces

Specification
one piece

2. Settlement of the machine

- Open the wooden crate, take out the machine casing, and discharge four M8 screws on the base plate of the main machine; The machine casing needs to assembly, and the screws should be fixed firmly;
- The main unit should be put on the machine casing correctly;
- Check all parts of the machine, and clean them;
- Turn on the power to electrify to test running.



* The main unit should be put on the machine casing correctly:



3. Operating environment

- The machine should be placed in clean working environment, keep away from direct sunlight and wind;
Temperature of the operating environment: 10-30°C, cannot higher than 32°C;
- Humidity level of the operating environment: 50-80%;
- Working power source of the machine: 110V±10%; 60HZ; 1.3KW;
- Connect the ground wire correctly.

4. Special suggestions

- Remember, only one professional operator is allowed to work on the machine;
- When you cut, you should operate buttons by both of your hands;
- Please don't disassemble the safety covering; When you put your hands or other things into the cutting area, you must cut the power first;
- When you change knife blades, you should firmly comply with the blade changing instruction;
- You are not allowed to re-equip the Inner construction and circuit of the machine by yourself.

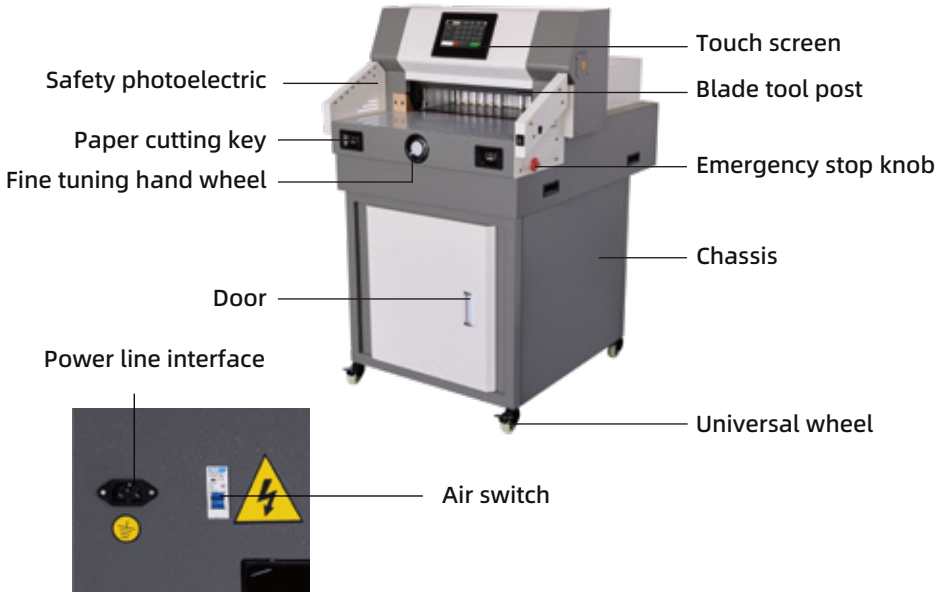
5. Operating figure

- Turn on the power, open air switch and rotate the emergency stop to make machine get into power-up state.
- Then press RESET , the paper pusher gets running.
- Proper operation is like this: Stand in the middle front of the machine, face to machine, control the buttons with your left and right fingers, shown in the picture.



II BRIEF INTRODUCTION OF THE PAPER-CUTTING MACHINE

1.Parts description



2.Performance characteristics

- ▶ CE standard design, front and rear safety protection design, in line with product safety requirements;
- ▶ Heavy casting structure design, ensure the machine running smoothly, durable;
- ▶ Independent paper pressing, paper cutting structure design device;
- ▶ Inclined knife cutting technology, smooth and easy cutting, suitable for thick paper cutting;
- ▶ Cutting tool fine-tuning depth technical device;
- ▶ Cutting indicating line identification, infrared laser indicating line, clear and clear;

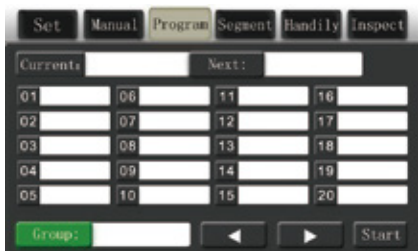
3.Mode of cutting

1.Manual mode



- ◆ After entering the required cutting size, press "OK" and complete
- ◆ press the cutting button with both hands at the same time to complete the cutting.
- ◆ If you want to automatically push the book after the cutting is completed, click **"Auto Push the Book"** and the button turns red, indicating it is open; otherwise, it is not open.

2.Program controlled mode



- ◆ Click the programmed into automatic mode (pictured) program for 1-100 a total of 100 group, each group in 127, a total of 1200 knife size
- ◆ Starting from 01, according to the size of serial number input to cut, then stored in the red button
- ◆ According to the operation with both hands holding the cutting, completed the first knife cutting, pushing paper automatically pushed to the next dimension, and so on

3.Segmented mode




- ◆ Press the "segmentation" button on the touch screen to enter the segmented mode.
- ◆ Divide one for the length of the first cut, divide two for the length of the second cut, and the total size is the total length of the book.
- ◆ Input the data you want to cut as needed (as shown in the figure), and click the red store button to cut 10mm for the first cut, 20mm for the second cut, and 10mm for the third cut

4.handily mode



- ◆ Press the button on the touch screen is convenient cut into convenient book model
- ◆ According to cutting the size of book, enter the knife, the knife, on the side, the cutting size of the trilateral, press the red button to store, click the run button
- ◆ Hold down the cutting key with both hands at the same time to cut the book. Move the book to be cut according to the order of cutting the top first, then the bottom, and finally the side. After the cutting is finished, the book will be automatically finished

Note: Each time you input data, you must add a digit of 0 to accurately express the data. For example, if you want to cut 460mm paper, you need to input 4600. Press "OK", if 460 becomes 46mm.

Press  on the screen to enter Settings mode (as shown)



4.Parts description

Model	4908M
Max. Cutting Width(mm)	490
Min. Cutting Width(mm)	40
Cutting Thickness	80
Paper Pressing Structure	Automation
Paper Pushing Mode	Automation
Display mode	Seven inch touch screen
Safety Protection	Infrared photoelectric protection
Power Supply	110V ±10% 60HZ 1.3 kw
Machine Size(H*D*W)	768x960x1230mm
Net Weight	160kg

1 Basic Operations

- ▶ Before starting the preparation work, check whether there are other items on the machine, tidy up clean;
- ▶ Plug the power plug into the socket of AC110V;
- ▶ Turn the electrical protection switch to "ON" position, and the cutting line of the knife light is bright, indicating that it enters the normal working state;
- ▶ Push into the cut paper or book, placed on the left side and the ruler level;
- ▶ Rotate paper hand wheel, adjust to the size of the need to cut, the book and push paper baffle against the flat;
- ▶ Press the cutting button with both hands, and the paper press starts to press the paper automatically.
- ▶ If any size problem is found, release the cutting button with both hands and press the RESET button.
- ▶ The cutter and the paper press will return automatically.



1. Plug in the power supply



2. Turn on the air switch



3. Turn on the emergency stop



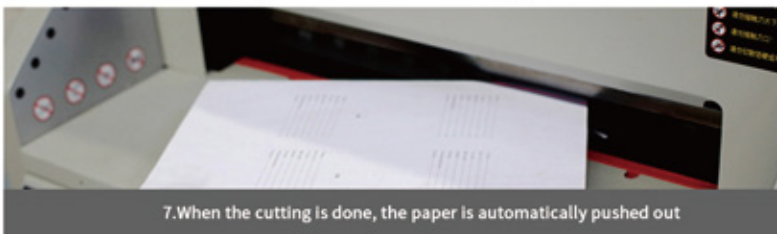
4. Put in the cut material



5. Select the mode and set the size



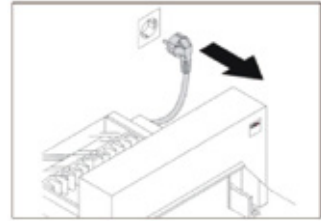
6. Double Hand Cut Keyboard



7. When the cutting is done, the paper is automatically pushed out

2 Size adjusting

- ▶ If the cut size is not same as show size, please turn off the machine. Then turn on the machine and press the reset button.
- ▶ If the problem is not solved by above operation. Please do more as following operation. Cut off the power, remove the back plate which is under pusher. Then check whether there is any things blocking in the driving screw rod.
- ▶ Check whether stepping motor is normal, remove front cover plate, check whether synchronous pulley and synchronous belt is fixed normally.
- ▶ Adjust the support chip in the nut, move it forwards and backwards until the show size is matching with cut size. Then tighten the screw.



3 Cutting Blade Adjustment

▼
First of all, fine adjust the cutting blade depth (adjust depth range about 5mm) or change the side of cutting stick.

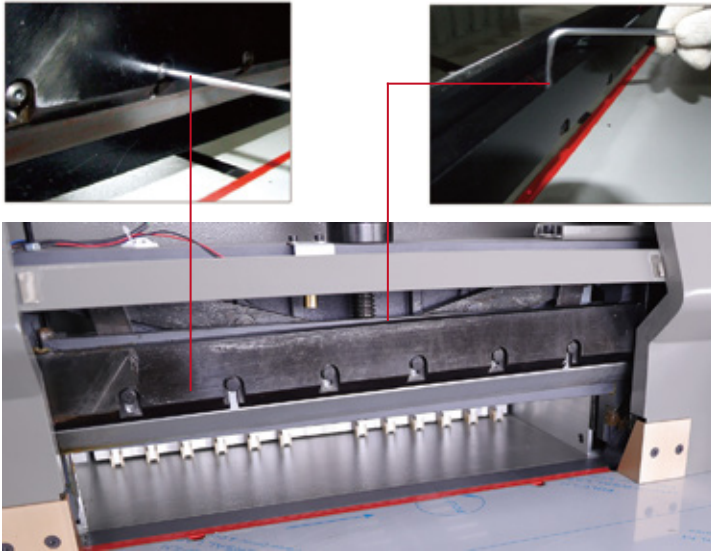


▼
If the last paper still can not be cut completely after fine adjustment the cutting blade depth. Adjust the balanced screw of cutting blade depth once more. Unscrew the screw of two side from upper cover. Then remove the upper cover.





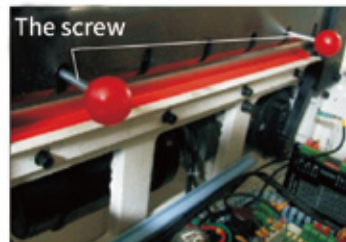
Disassemble 7 retaining M6 screws on the blade carrier which fixed blade. Adjust the depth of blade to make the paper cut completely until the blade cuts into the cutting stick about 0.3-0.5 mm;



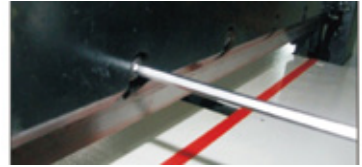
Tighten up the fasten screws on blade carrier. Cover up and make it fasten. Choose one piece of paper to have a trial cut. If it can not be cut completely, you can re-adjust according to the above processes.

4 Blade replacement (please follow the steps carefully)

- ▶ Open the upper cover;
- ▶ Loosen and remove the locking screws with openings on the tool holder, screw the two disassembly screws into the opening screw holes in a clockwise direction and fix and lock them;



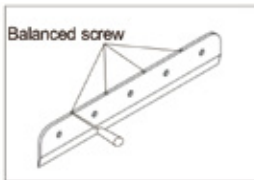
- ▶ Remove the other locking screws on the tool rest;



- ▶ Turn the two disassembly screws counter-clockwise for half a circle and then take out the blade downward. Put the blade in the knife box with gloves or cloth to avoid scratches.



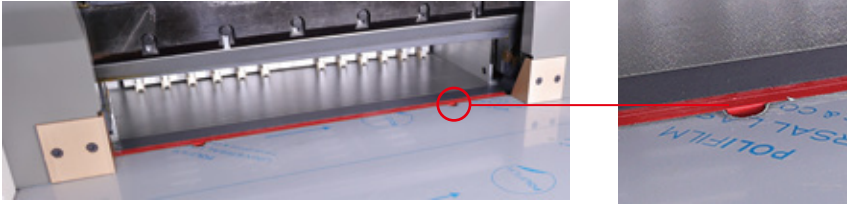
- ▶ Be more careful when taking a new blade out. The blade cutter point must not be to the body.
- ▶ When you install the blade, you should screw up the screw stems. Set the blade on the blade carrier, use screw strip to fasten and fix up, then adjust according to cutting depth adjustment method;



- ▶ Blade sharpening needs to be done in a professional factory, so that to ensure the quality.
- ▶ Note: Dull blade can't cut paper correctly. Also, blade 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 on hand.
- ▶ 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 the most careful when you change the blade.

5 Cutting stick adjustment

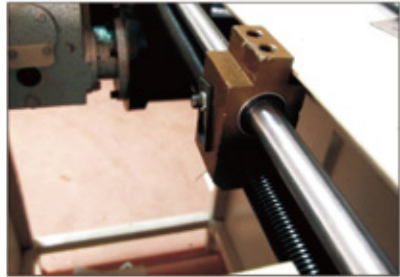
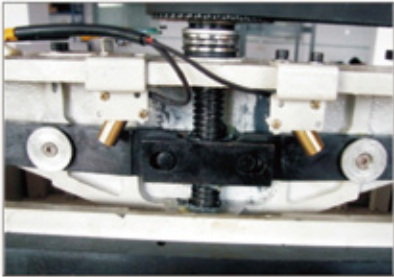
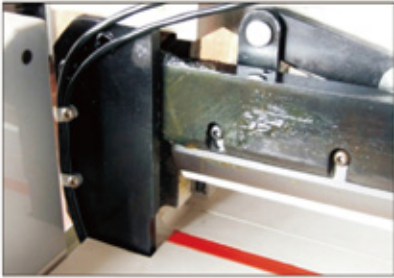


- ▶ One cutting stick can be used with 4 surfaces; and each surface can be cut in two times.
- ▶ One time can be cut many cuts. When slash on the shim is too deep, you should adjust or change cutting stick;
- ▶ Knife shim can be took out by screw, and should be assembled onto the cutting desk flatly when it needs to be set back;
- ▶ Knife shim should lean to the left side, then re-push the front brace plate;

Note: when the blade is replaced, the blade itself must also be adjusted. If the blade eat too deep, not only "easy to damage the blade, but also make the blade accelerated wear.

1. Lubrication

The machine should open the cover plate, check and clean, tighten the parts and lubricate the moving parts once a month. Please be careful to avoid lubricating oil on electrical circuits or electronic components when refueling. To avoid breakdowns.

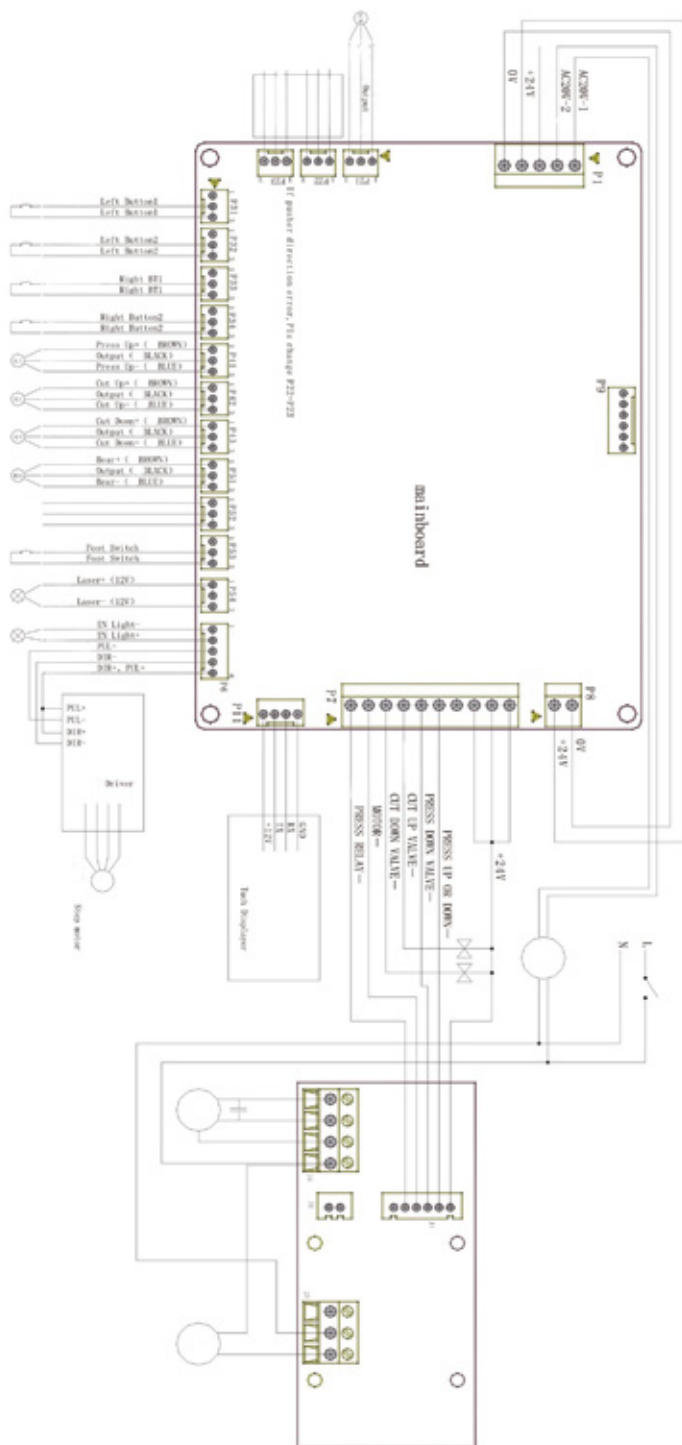


2. Maintenance

1) When the machine is running, foreign objects are forbidden to put on the machine, because if hard objects come under the blade, the blade will be damaged. There should be no staple pin in the book, which is coming to the cutting area, to avoid damaging the blade.

2) After everyday work, you should wipe the machine, remove junk, wax the blade to protect it, and cut the power.

FIGURE



V COMMON ERROR AND ELIMINATION

Error	Phenomena	Elimination method
No power source display	Indicating light is off	<ol style="list-style-type: none"> 1. Check the power source plug 2. Check main switch 3. The power Source wire is bad
Incomplete cutting	Paper can't be cut completely	<ol style="list-style-type: none"> 1. The blade abrades badly 2. The knife position is too high. Revolve the screw of adjusting blade depth on the blade carrier downward to have the knife position lower.
Too deep cutting	Slash on the knife strip it too deep	The knife position is too low. Revolve the screw of adjusting blade depth on the blade upward to have the knife position higher.
Dull blade	Paper can't be cut completely or cutting becomes difficult	<ol style="list-style-type: none"> 1. Sharpen the blade: Use whetstone to sharpen or ask professional factory to do sharpening; 2. Change a new blade
Capacitor of electrical motor damaged	The knife work up and down slowly or powerlessly	Change Capacitor
Irregular paper cutting or too big difference	The cut paper has one side wide and the other side narrow, or has big deviation on dimensions	Loose tighten screw, and use a ruler to adjust the angle between measuring scale and paper pushing plate
The knife can't reset or works up and down continuously	The button is invalid. The blade works up and down without stopping	<ol style="list-style-type: none"> 1. The sensor is displaced or damaged. 2. Circuit main panel is damaged

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