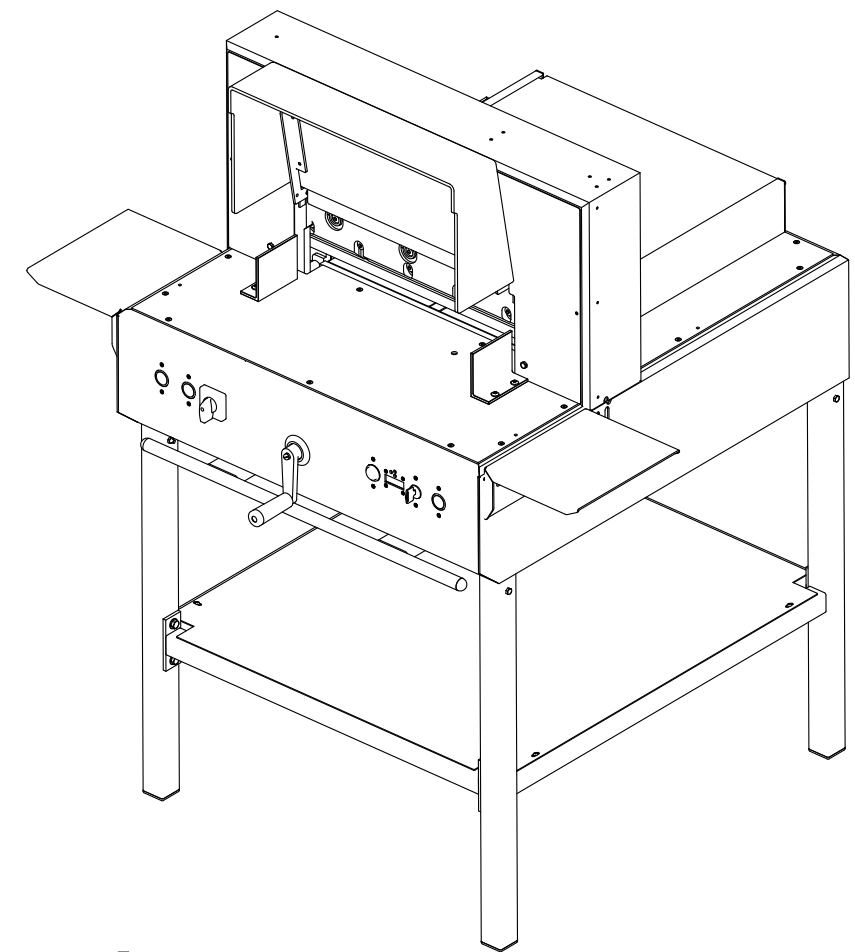




KW-triO[®]
Pao Shen Enterprises Co., Ltd.

KW-triO[®]



User's Guide

13982M Electric Guillotine

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Safety Instructions:

Safety Instructions:



Certain actions may cause harmful outcomes



Read user manual completely prior to using this machine



Keep Children and Pets away from this machine



Keep hand away from operating area



Do not remove the safety cover



Keep your hand away from the blade



Operate by one person only



Operate the machine from the front only



Wear protective gloves

- 1.Don't use in dangerous environment:
Don't use machine in damp or wet locations, or expose it to rain. Keep working area well lit and ventilated.
 - 2.Store idle machine:
When not in use, machine should be stored in a dry, high or locked up place.
 - 3.Don't force machine:
It will do the job better and be safer at the rate for which it was designed.
 - 4.Watch what you are doing:
For safety reasons, do not operate machine when you are tired.
 - 5.Do not grasp underneath the blade edge:
Please wear leather gloves and use the cutter holder to replace blade.
 - 6.Maintain machine with care:
Repairs or blade sharpening should only be carried out by qualified persons using original spare parts, otherwise there may be considerable danger to the user.
 - 7.Waste disposal shall obey the local regulations and be deeply careful.
 - 8.The measurement of emission sound pressure level is defined according to IS03746:
A weighted sound pressure level measuring under no load at operation position is 75.6dB(A) and under load at operation position is 75.5dB(A).
 - 9.Make sure machine is disconnected from power supply:
Shut off the power before starting the normal maintenance, service, adjustment, or repairing.
 - 10.Application and prohibition of use:
The machine is suitable for paper trimming only.For safety considerations, it is forbidden to try non-paper materials, such as metal sheets, wood board and plastic plate.....etc.
Do not operate this machine beyond the limit of its capacity. Refer to specifications in this manual. It is prohibited to modify this machine or by-pass the safety guard system for use beyond the specification or function provided by the manufacturer.
 - 11.If transmission elements have any failure, don't use force to move the paper pile.
 - 12.The safety devices shall be checked for effectiveness before each work-shift and each time the blade has been changed and test results shall be recorded.
- *This equipment is not suitable for use in location where children are likely to be present.

Installation

(For installation instructions, also refer to “Transportation.”)

Side Panel, Paper Pusher and tools are packed separately in a box with the machine. Please move them away in advance.

- Top part and stand of the machine have to be connected as follows:
- 1.Set up the stand in a way that the four foundations match the marking colors and fasten securely with hexagonal screws.
 - 2.Place the table correctly onto the machine stand with care (heavy weight) and tighten the four hexagonal nuts.

Operation Description:

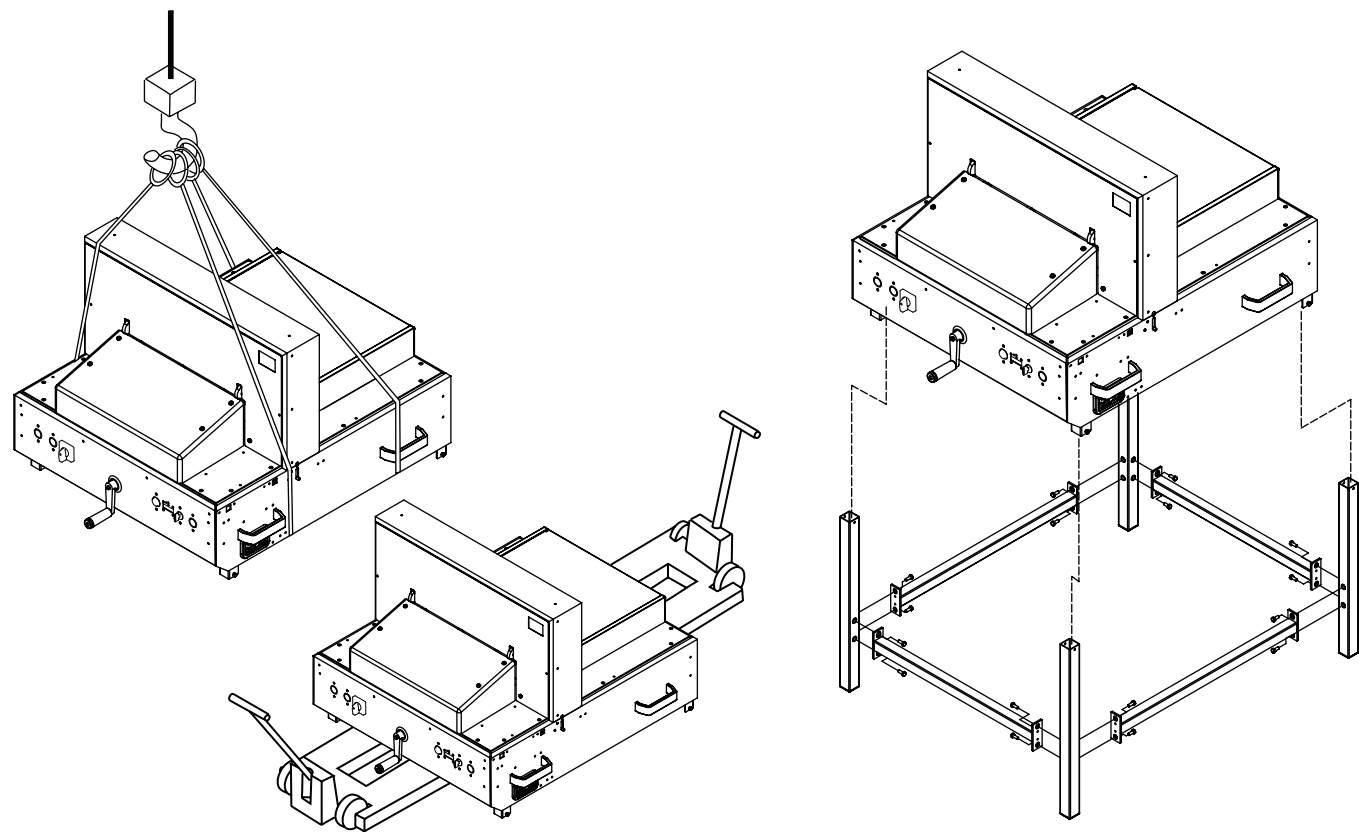
- Electronic adjuster wheel for back-gauge positioning with infinitely variable speed control, the position of back-gauge will be shown on NC (Normal Close) back-gauge control.
- 1.Turn select switch to right for cutting operation.
 - 2.Push the two “enable switches” simultaneously and hold until the cutting is complete.
 - 3.The machine is equipped with an optical cutting line that shows where the cut will be performed and helps to align cutting marks precisely for accurate cuts.

Electric Power Guillotine Specification:

Spec. \ Model		13982M	
Electrical power supply	-	<input type="checkbox"/> AC 230V, 10A, 50-60Hz	<input checked="" type="checkbox"/> AC 120V, 15A, 50-60Hz
Cutting capacity (80gsm)	mm	80	80
Max. cutting width	mm	480	480
Max. cutting length	mm	480	480
Min. cutting length	mm	35	35
Clamp drive	KW	0.4 (1/2 HP)	0.4 (1/2 HP)
Blade drive	KW	0.6 (0.75 HP)	1HP
Machine dimension (LxWxH)	cm	L113xW97xH141	L113xW97xH141
Machine weight	KG	300 KGS	300 KGS

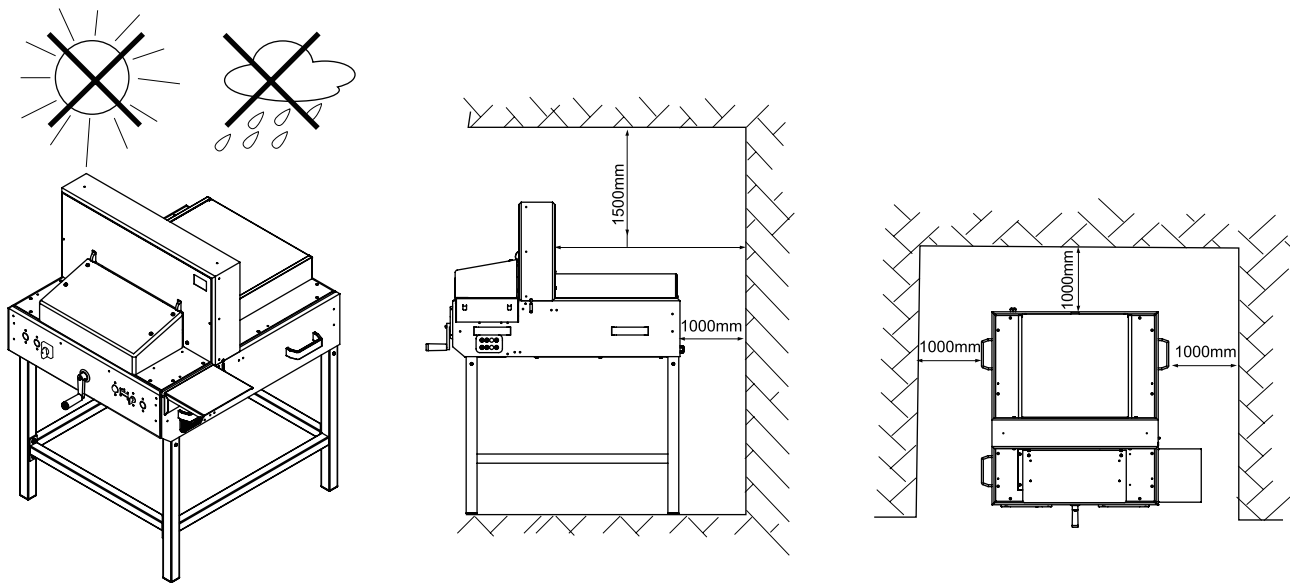


Transportation:
Please refer to instruction manual for specifications and machine weight to arrange handling equipment.
Be sure to use capable lifting devices to lift the machine



Note : The handling and transportation should be carried out by qualified persons only.
During handling, people are strictly prohibited from entering into the path of machine movement. And keep attention to the balance of machin.

Setting The Machine And Choosing Base:
A clear area must be provided in accordance with the below diagram of the machine. This is essential to permit efficient maintenance and assembly. Do not put it at locations with direct sunlight or near heat source. Please install it at a well-ventilated place and free of dust. The ambient temperature should be from 5 to 40°C, relative humidity from 30% to 90%. The machine is recommended being located in an office.



Installation Of Electrical Power Supply:
The cross-section of incoming supply protective conductor and each phase conductor must be in accordance with the following reference of supply conductor table.

Model	13982M	
Voltage	<input type="checkbox"/> AC 230V, 10A, 50-60Hz	<input checked="" type="checkbox"/> AC 120V, 15A, 50-60Hz
Recom. external fuse FU1-FU4	10A	15A
Recom. external fuse FU7	2A	3A
Recom. external fuse FU8	2A	2A
Wire external size	1.5 mm ²	1.5 mm ²
PE wire size	1.5 mm ²	1.5 mm ²

Safety Guard System (Interlock Device) Function Tests:

The function of electrical equipment shall be tested before starting machine and each time the blade has been changed. Position switch with positive opening operation is in accordance with EN60947-5-1-3 and function is in accordance with EN1088. When the safety guard is opened, the interlock switch makes contact activated. The EN954-1 category 3 safety monitor circuit will prevent the blade from acting until the safety guard is closed and the two "enable switches" have been pressed again.

Maintenance And Lubrication:

- 1. Please use a dry cloth to wipe the surface - do not pour water directly on the machine.
- 2. Do not use a brush, acid or solvents, such as benzene, hot water...etc. Because they will damage the paint.
- 3. All movable parts need to be lubricated and oiled from time to time. Before lubricating, these parts should be cleaned from paper dust and oil deposits.

Trouble Shooting:

- 1. Blade doesn't move: check if the main motor magnetic contact is activated.
- 2. No power: please check power source and all control circuit fuses.
- 3. Overload: wait until the breaker automatically resets, it takes around 30-60 seconds. The indicator light will be off. Please reduce the paper pile or change to a sharp blade.
- 4. The machine cannot work after closing the safety guard: press the two "enable switches" again and check if the safety guard is completely closed.
- 5. Any other trouble, please enquire/contact your dealer.

Cutting Stick:

If the last sheet of paper pile is not being cut through, even though the blade adjustment is already adjusted properly, the cutting stick should be changed, turned or rotated. The cutting stick can be used on each side, which means four changes per stick. The cutting stick fits into the machine table and can be lifted out with the 5mm screwdriver, after stabbing into the functional small hole underneath the hand guard. Please note when the cutting stick is changed, the blade height has to be re-adjusted. A blade will not only damage the cutting stick, but also the blade itself if cutting too deeply.

Blade Change:

Precise cuts are not possible with a dull or blunt blade. The blade should be changed as soon as the quality and the accuracy of cut are not in accordance with the standards expected from this cutting machine. If the blade should jam in the paper pile or leave grooves in the paper, the blade must be changed right away. Blade lifetime with normal paper is approximately 1600 times (tested in maximum capacity). Of course, this will vary with different types of paper. The blade change must be executed by one person only. The cutting edge of the blade is extremely sharp. In order to avoid injuries, the blade has to be handled with the utmost care.

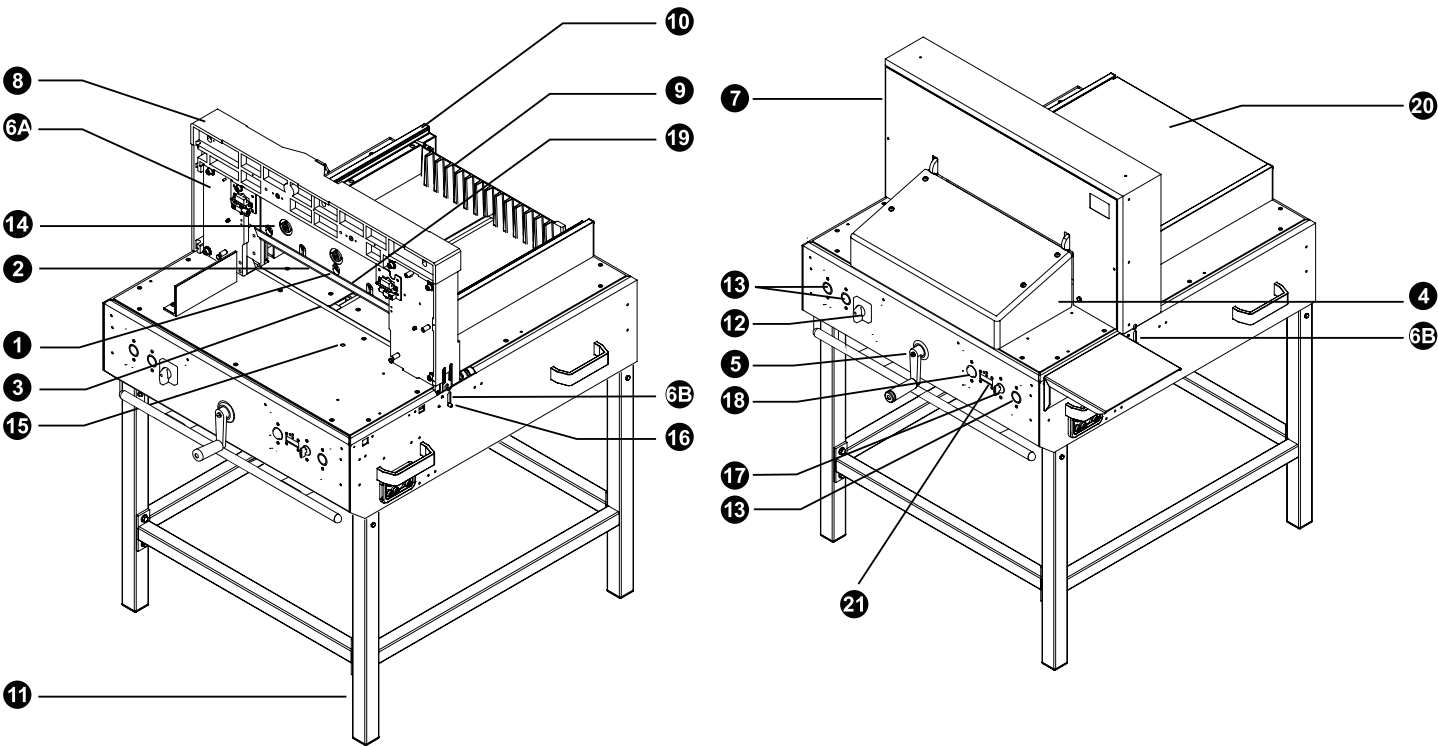
 **Note :** Please do the job in accordance with the blade replacement instructions.



Do not dispose of electrical appliances as unsorted municipal waste - use separate collection facilities. Contact your local government for information regarding the collection facilities available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

Getting To Know Your Guillotine



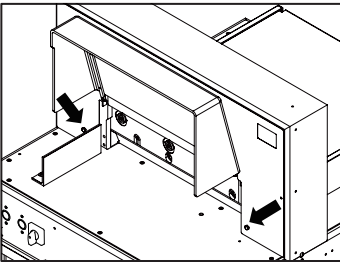
- 1 Blade holder**
There are five screws for the positioning of the blade, which should be set up and released step by step by following the instructions to replace the blade and adjust the even operation of the blade.
- 2 Blade**
Made of high quality carbon steel.
- 3 Cutting stick**
Made of tough plastic, replaceable. It can be used on each of its four sides.
- 4 Safety guard**
The safety guard must be closed before each cutting operation and the cutter interlock device will then be released.
- 5 Back gauge crank**
The crank is indirectly connected with the back gauge. Connection is made by a slight push of the crank toward the machine.
The connection is released when pulling the crank towards the operator.
- 6 Safety guard system (interlock device)**
Interlock device A: The machine can be operated only when the safety guard is closed at right position.
Interlock device B: For safety sake, the machine cannot be operated when the 6mm T wrench is still on the machine.
- 7 Cover**
Attached to the machine with four screws. Disassemble only in the case of blade change or maintenance.
- 8 Carrier (support)**
Carries the blade holder and the entire mechanism of the machine.
- 9 Back-gauge**
Operated by electronic hand wheel. For adjustment to desired cutting size and exact parallel of the paper pile to be cut.(page6)

- 10 Side gauge with scale**
 Measurement in mm/cm and inches. For rectangular placing of the paper pile. The indicator on the back-gauge shows the measurement. Fine adjustment is done via Back gauge crank. The minimum adjustment is 0.5mm.
- 11 Stand**
 Made of steel.
- 12 Power switch**
- 13 Three enable switches**
- 14 Three socket headless screws**
 Adjustable screws for even cutting.
- 15 Functional hole for lifting the cutting stick**
- 16 Fine adjustment device for blade**
 Turn clockwise to finely adjust the blade upwards. Turn counterclockwise to finely adjust the blade downwards.
- 17 Select switch**
 Turn to right for cutting procedures and turn to left for blade replacement procedures. Keep it in the middle to stop all operations.
- 18 Power light**
- 19 Optical cutting line**
- 20 Rear transparent safety cover**
- 21 Distance adjusted screen**
 Show the distance of paper size
- 22 6 fuses**

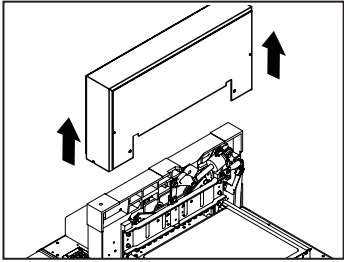
	FU1	FU2	FU3	FU4	FU5	FU6	FU7	FU8
□ AC 230V, 10A, 50-60Hz	T10A, 250Vac				N/A	N/A	T2A, 250Vac	T2A, 250Vac
■ AC 120V, 15A, 50-60Hz	T15A, 250Vac				N/A	N/A	T3A, 250Vac	T2A, 250Vac

- Please be sure to remove the power cord from the socket
- Use a screwdriver to remove the fuse cover
- Replace the fuse by the manufacturer according to the fuse number
- Make sure to put the fuse cover back on

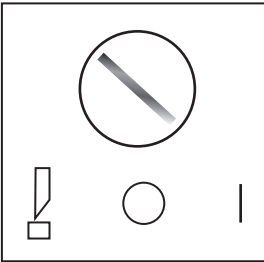
Blade Replacement Instructions



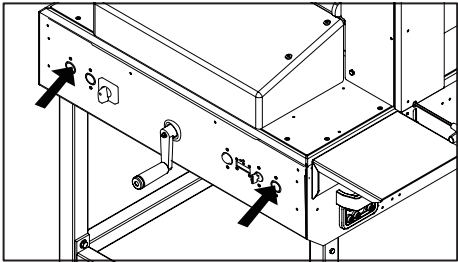
01.Screws at both ends of the cover.



02. Remove away the cover.



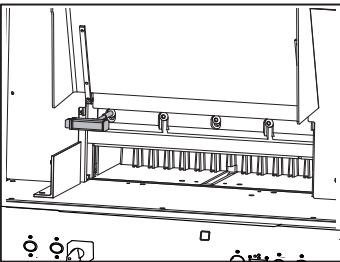
03. Press the power switch on and turn the select switch to left.



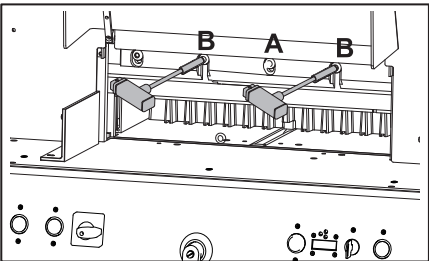
04. Press two "enable switches" simultaneously, then the blade will move down to the end. Turn the select switch to middle, open the safety guard and remove the right screw on the blade.



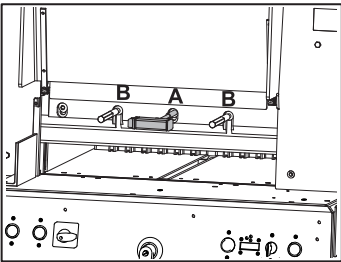
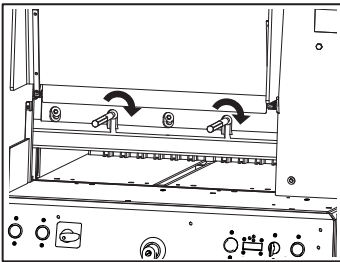
Note : Should be carried out by qualified person only. Please wear leather gloves and use the cutter blade holder.



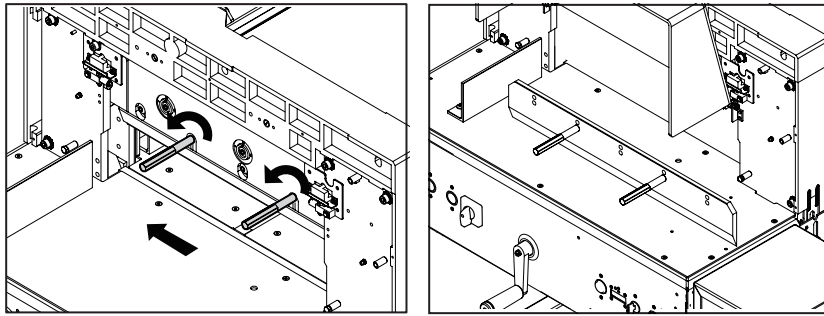
05. Close the safety guard and turn the select switch to left. Press the two "enable switches" simultaneously, then the blade will move upwards. Turn the select switch to the middle and turn off the power switch. Open the safety guard and remove the 1st (left) screw.



06. Remove the 2nd and 4th screws (B) but leave the 3rd one (A) as is.



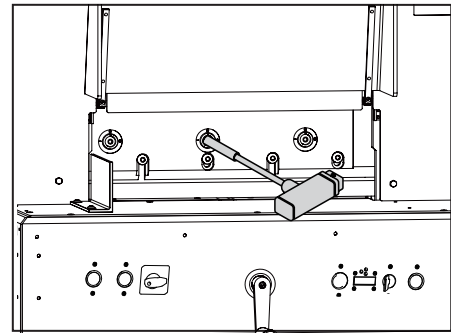
07. Screw the two cutter blade holders (in tool box) into the 2nd and 4th screw holes. Position tightly to prevent the blade from falling down, then remove the 3rd screw A.



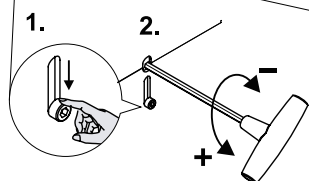
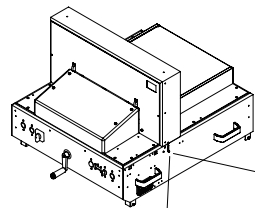
08. Grip and loosen the cutter blade holders by just half reverse turn, move the blade downward and take away the blade carefully.



Note : Be very careful to avoid injury from the sharp edge of blade.

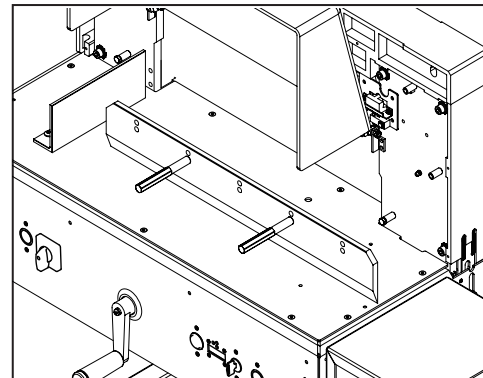
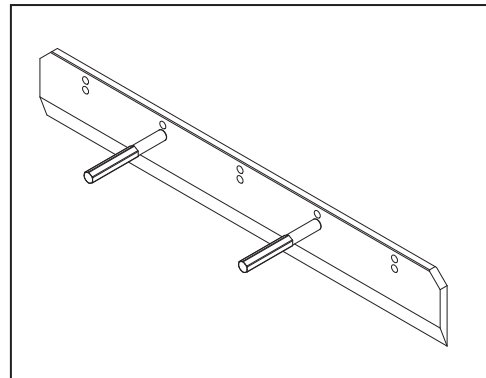


09. Turn the three socket headless adjustable screws by T-wrench to "0" point. Secondly, turn clockwise the blade fine adjustment device at the right side of body, the blade would be moved upwards. This will avoid cutting too deeply after blade changed.



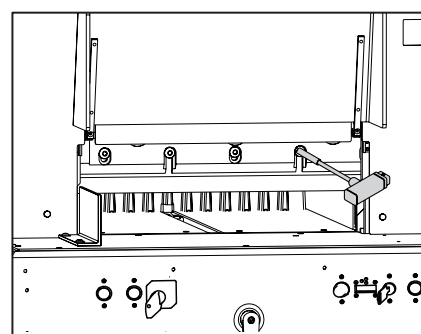
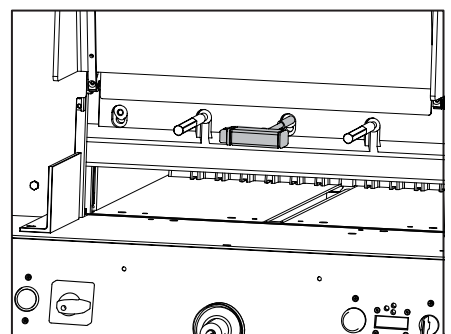
Note: Remove the 6mm T-wrench before turning on the power.

- Turn clockwise to move blade upwards •
- Turn counterclockwise to move blade downwards

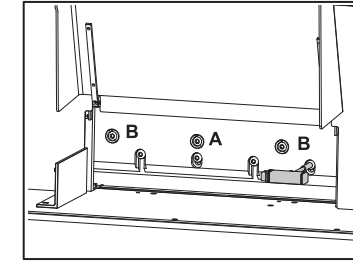
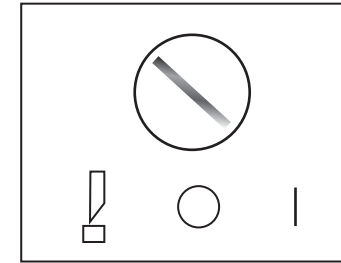
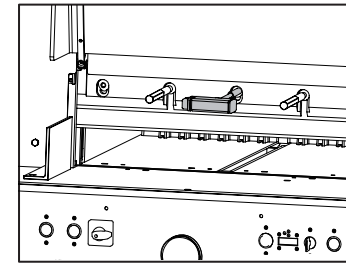


10. Remove the protective pad from new blade and hold it securely by the two cutter blade holders, then reverse the procedure to replace the blade.

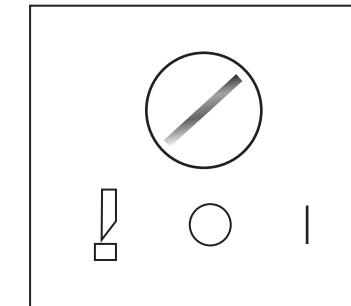
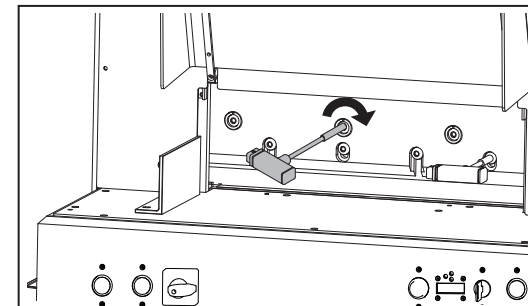
Note : Be very careful of the sharp edge of the blade. The protective pad should be replaced on the old blade for safety reasons.



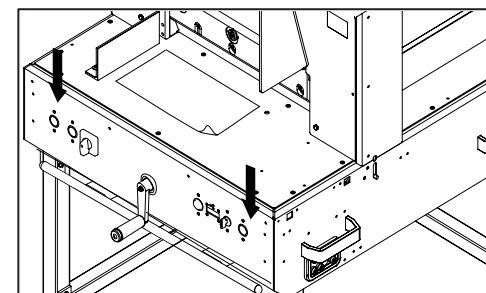
11. Fasten the screw A tightly, then remove the two cutter blade holders and fasten the two B screws properly.



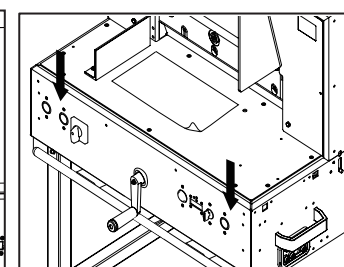
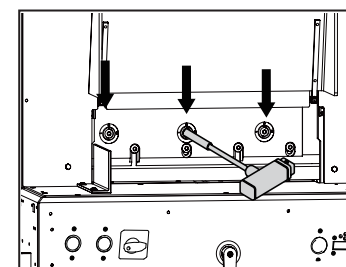
12. Put back and tighten the screw at left end and then close the safety guard. Turn the power switch on and turn the select switch to the left, then press the two "enable switches" simultaneously. The blade will go downwards to the end. Then turn the select switch to the middle, open the safety guard and fasten the right screw in the right end of the blade holder.



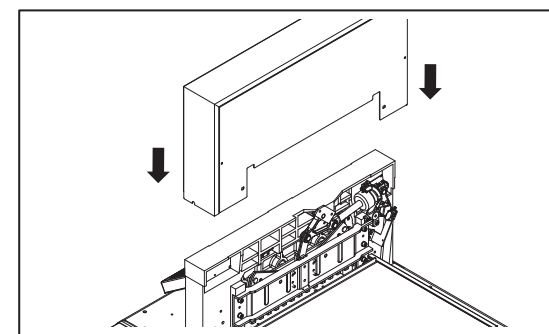
13. If blade and cutting stick do not match evenly, please adjust the three (socket headless) screws until they are 100% matching together.



14. Turn the select switch to the right and press the two "enable switches" simultaneously to raise the blade and then check the cutting function using one sheet of paper. If the blade does not cut accurately, please follow procedure 15 below.



15. Use 6mm hexagon wrench to finely adjust the three socket headless screws and turn the blade fine adjustment device upwards/downwards until the blade properly touches the cutting stick. Optimal adjustment is when the last sheet is cut accurately. Please note that both the blade and cutting stick will be damaged whenever the adjustment makes cutting too deeply.



16. Put the metal cover back and tighten the screws.

Inspection for safety device function of paper trimmetr

MODEL: SERIES: DATE:

Checker:

Content	Result	OK	Fail	Remark
6mm T-wrench is inserted into fine adjustment device	Press two enable switches, the blade and clamp cannot work.			
Close the safety guard and move 6mm T-Wrench away from fine adjustment device	Press two enable switches, the blade and clamp can go downwards			
Open the Safety guard	Press two enable switches, the blade and clamp cannot work			
Cutting performance	Has one sheet of paper been cut through properly? If not, finely adjust the blade height and try cutting again			Remove the T-Wrench before turning on the power