

CE

# AUTO EDGER USER GUIDE



# Safety Precautions





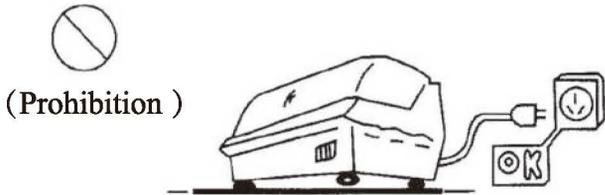




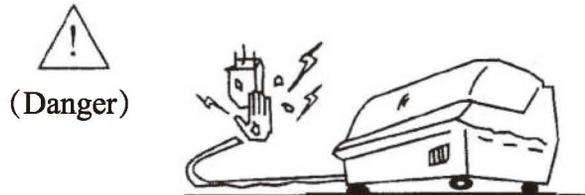


Danger Warning Attention Fire Electric Shock Prohibition Prohibition

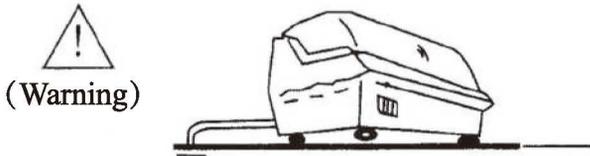
■ Read the above tags before you read this article



■ Do not use power sources other than those marked on the device or in the manual; otherwise, the device may be damaged and fire may occur.



■ Do not remove or insert the power plug with wet hands or it may cause electric shock or fatal injury.



■ Equipment must be reliably grounded according to polarity. Improper grounding may damage the device and cause electric shock



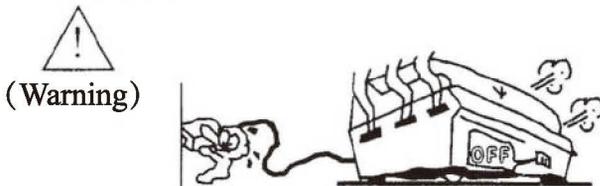
■ Avoid trampling or crushing of power cables. Do not pull or twist power cables; otherwise, fire and electric shock may occur



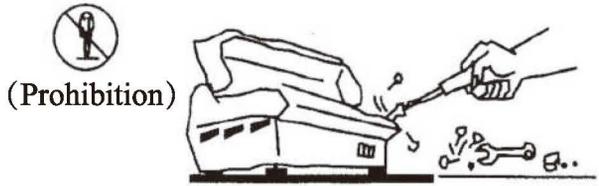
■ Do not put items or liquids into the machine, otherwise it may cause equipment failure or electric shock.



■ Do not use a power socket with other machines, power fluctuations can seriously interfere with the equipment and create a fire hazard.

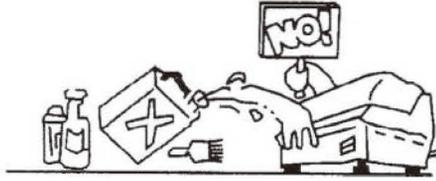


■ In case of abnormal odor or smoke, immediately cut off the power and unplug, contact the dealer or repair center.



■ Do not decompose modified equipment privately; Do not perform operations or repairs other than those specified in the instructions to protect against loss and injury.

  
( Attention )



■ Do not use volatile solutions, such as alcohol, paint thinner, gasoline, etc. wipe the shell with water wet cloth on the line.

  
( Prohibition )



■ Wading or rain equipment, strictly prohibited from use otherwise, the risk of serious injury of electric shock.



Caution : This mark indicates that there is a risk of injury or damage to the machine if the machine is improperly operated in violation of the precautions.

### Reminder

The following tips will help ensure that the machine is in continuous use and functioning properly.

- Try to avoid using the machine under the following harmful conditions.
- \*Outside the specified temperature range      \*direct sunlight
- \*Moisture   \*Shared power outlets   \*strenuous vibration   \* dust/fume
- Don't give the machine a sudden shock.
- Do not press hard, touch the key to normal operation.
- Clean the machine with a dry cloth or a cloth soaked in cleaning solution and wipe the cover and keyboard of the machine. Never use corrosive diluting materials or other volatile solvents to clean the machine.
- Don't lean on machines, they may hurt you if they fall.
- At the end of the day, turn off the power and clean the outside of the machine

### About Maintenance Application

- Take advantage of our maintenance services

When maintaining the machine, if there is any problem, please contact your local dealer to clean the inside of the machine. Otherwise, the accumulation of dust inside the machine may cause fire or malfunction. Cleaning machines are effective before the wet rain season.

- Our maintenance service is to regularly check and maintain the quality and performance of the machine to prevent the occurrence of faults. Do not expose the machine to pesticides or other volatile solvents, otherwise it will lead to aging and damage of the casing or other parts. The socket should be installed near the unit, easy to plug and remove the place.

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# USER GUIDE



- (1) Soundproof cover
- (2) Pressure converter handle
- (3) Grinding plate clamp handle
- (4) Size sensor
- (5) Power switch
- (6) Adjustable level of low foot
- (7) Waterproof cover
- (8) Grinding head
- (9) Lens electric clamping device
- (10) Diamond grinding wheel set
- (11) Control Panel
- (12) Water supply line
- (13) Power plug for water pump
- (14) Water pump
- (15) Water supply valve
- (16) Drainage pipe
- (17) Water tank cover
- (18) Water tank

## Accessories and Tools



1.SUCKER

2.THE SUCKER LIFTER

3.SCREWDRIVER

4.OPEN SPANNER

5. FUSE

6.Template fixed handle

7.standard template

8.standard template

9.double-sided paste

The installation

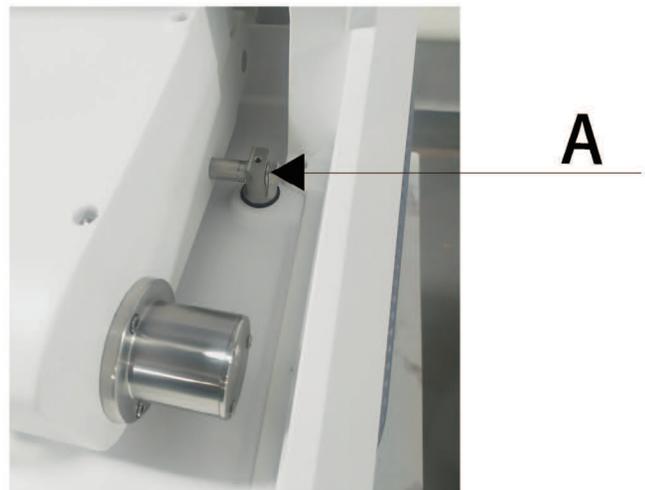
(1-1) Install the table, make sure the table is smooth (pic 1), and place the instrument on it.

(1-2) Install the instrument on the table.

(1-3) Open the noise-proof cover and remove the A screw with a open spanner.



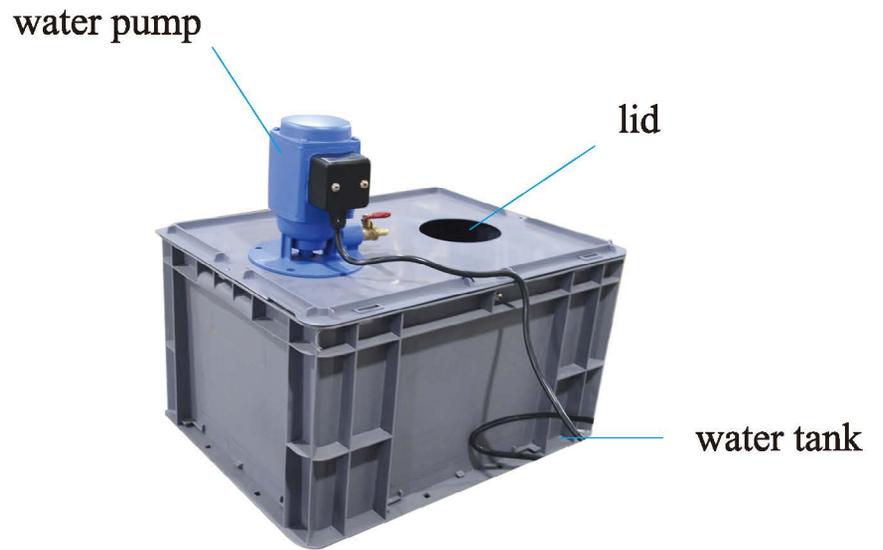
(pic 1)



(pic 2)

## Assemble water tank and connecting pipe

(1) Install water tank (see pic 1)



(2) Power connection (see pic 2)



(pic 2)

## Test the level of grinding head

(1) Install the standard template at A

(2) Install the pressure adjusting handle to position B (second gear).

(3) Manually remove the grinding head from the shelf, so that it stays just above the diamond grinding wheel group.

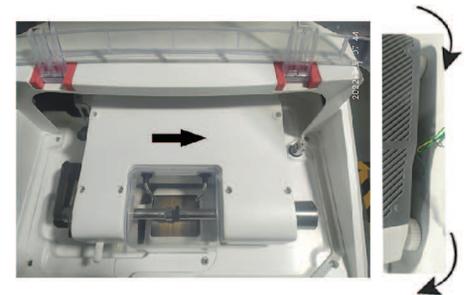
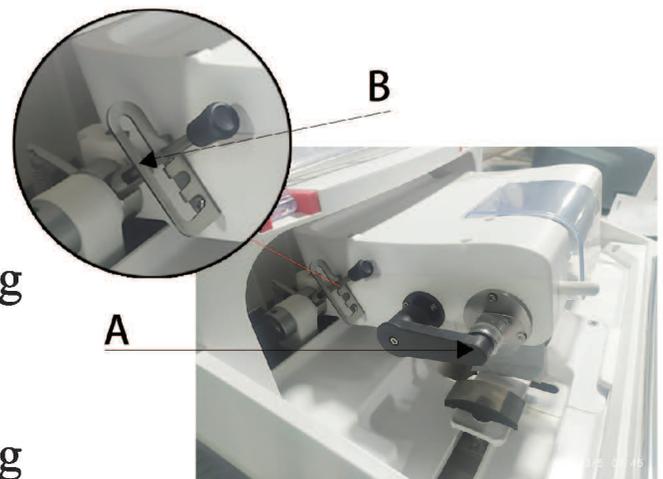
(4) If the grinding head can neither slide to the left nor to the right, it is horizontal.

(5) If the grinding head slides to the right

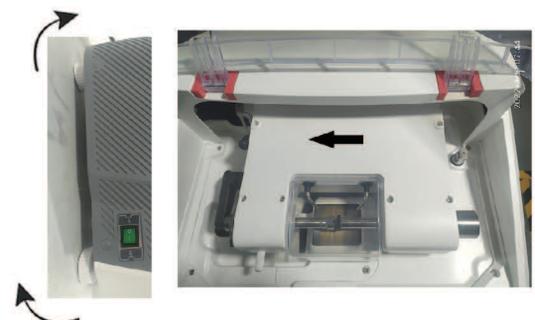
, turn the right adjustable foot clockwise (see pic 1) .

(6) If the grinding head slides to the left

, turn the left adjustable foot clockwise (see pic 2)

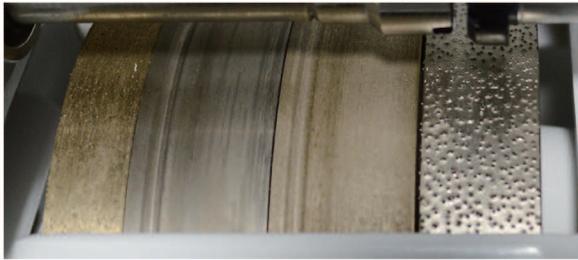


( pic 1 )



( pic 2 )

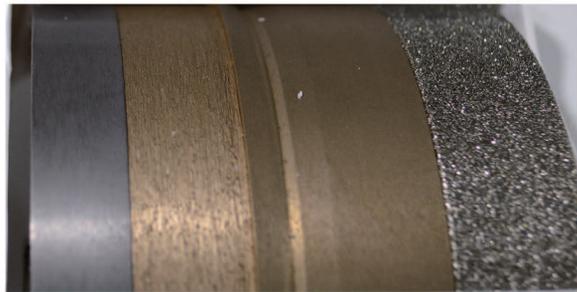
**Diamond wheel set**



**a                      b                      c                      d**

a: Glass grinding wheel: used for rough grinding glass lenses b: Polishing grinding wheel: used for resin lenses and Sharp corner polishing and Edge flat polishing of PC lenses c: Sharp corner flat edge grinding wheel: Used for fine grinding of sharp corner and flat edge d: PC grinding wheel: used for rough grinding resin and PC.

a: Polishing grinding wheel: used for polishing resin lenses b: Coarse grinding wheel: used for coarse grinding glass lens c: Sharp Angle flat grinding wheel: used for sharp Angle fine grinding and flat grinding d: Coarse resin grinding wheel: coarse grinding resin lens



**a                      b                      c                      d**

a: Polishing grinding wheel: used for polishing resin and PC b: Coarse grinding wheel: used for coarse grinding glass lens c: Sharp Angle flat grinding wheel: used for sharp Angle fine grinding and flat grinding d: PC grinding wheel: used for rough grinding resin and PC



**a                      b                      c                      d**

THE CONTROL PANEL



(Attention! Different types have slightly different functions)

- (1)resin, glass, PC lens selection key (CR GL PC )
- (2) Test key (water pump, main motor)
- (3) Clamping force selection key I- low II- middle III - high
- (4) Frame material setting selection key M: metal P: plastic
- (5) sharp edge, flat edge selection key
- (6) lens size reduction key
- (7) Lens size increase key
- (8) regrinding key
- (9) move to the left key
- (10) moves to the right key
- (11) start button
- (12)Stop button
- (13) Lens clamping button
- (14) Lens release button

## USER GUIDE

# Operating procedures

### (1) To prepare

Turn on the power and water tap.

Press the test button to check whether the grinding wheel is rotating and whether the water supply is appropriate.

### (2) Install the template

Install the template on the template holder and turn down the template clamping handle to clamp the template.

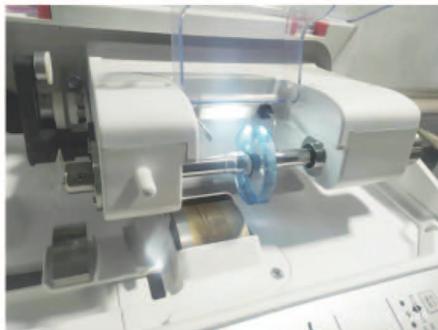
Place the template clamping handle template (see Figure 1)



(figure 1)

### (3) Install the lens

Attach the lens with sucker to the lens shaft and place the sucker slightly above the lens shaft to ensure that the lens does not rotate.



(figure 2)

(4) clamping the lens

Press the Clamping force selection key to to select the lens clamping force



As shown in (figure 4-1)

Select clamping force: low: glass high refractive lens middle: glass, resin lens high: resin lens

<4- 2 >

■ Press lens clamping button key to clamp the lens.

■ press it again if you easily clamping lens , it will

automatically clamping tighter

■ Relax the lens. If you press lens release button, it will



relax the lens (figure 5)

(5) Lens selection

■ Press the lens selection button to select glass or resin or PC lens

If the switch is turned on, it is initially set



Resin lens mode (Figure 6)

# USER GUIDE

## Edge shape choice

- Select resin lens "flat edge", will be fine grinding and polishing of flat edge lens
- This instrument is used in various radians, so you do not need to use a specific radian (see figure 7).



(see figure 7)

Note: with the function of sharp edge polishing, choose the edge middle indicator light when the sharp edge polishing

### 【 Note 】

- When the polishing of rimless lens is not needed, press the stop button directly when the rough grinding and fine grinding are finished, the machine will stop polishing and return to the initial position.



Start ■ Press the start button. Lens grinding begins (see Figure 8)

- When starting to grind the edge of the lens, be sure to put the waterproof cap on, otherwise trouble will occur.

(19) ■ Close the Soundproof cover when noise occurs (See Figure 9)



(See Figure 9)

Move lens position

- Press the "move" button "can move the lens to the left or to the right.
- When used correctly, the emery wheel will last a long time.



(See Figure 10)

Change lens size

Check the lens dimension shown on the surface.



(see Figure 11).

- After testing the edges, if the lens size is too small. Use the "" "+" key



Enlarging the lens size (see Figure 12)

- After testing the edges, if the lens is too large, use the "-" button to make the lens smaller (see Figure 13).

[Note] Minimum setting unit: 0.05mm

- Minimum size: -3.00mm
- Maximum size: +3.00mm

(10) Regrind the edges

- (without removing the sucker after grinding) after grinding , When the glass or resin lens size is still relatively large.



1 (FIG. 14) : Re-use "-"key to repair the size

2 (FIG. 14) : Press the "regrinding key", Edge grinding will begin in the second edge bevel groove.

# USER GUIDE

## Initial setup of the host

(Confirm the position of lens and grinding wheel ,and the size of each grinding wheel)

Warnings on setting service time

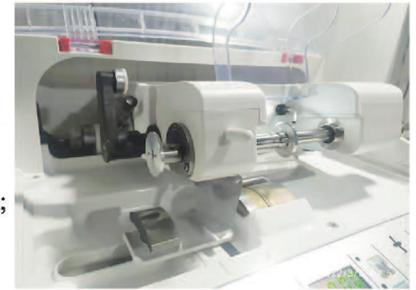
- When the emery wheel is partially worn.
- When the lens size and data are very different.
- When it is necessary to change the left and right positions of the lens on the grinding wheel.

[Note] If you do the Settings in this chapter once, before resetting, all data will be cancelled , So a precise setup will be done.

(1) Install standard template and standard template.



(They are included in the service items when they are first shipped)



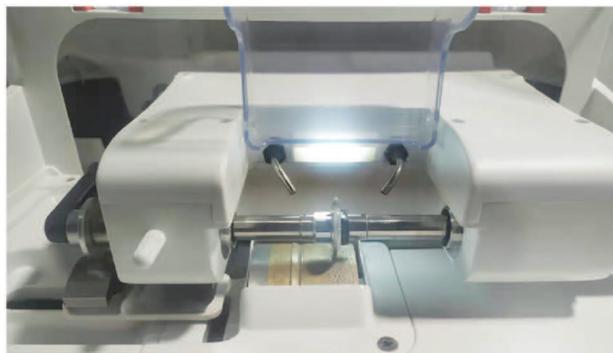
a. Turn on the power switch, install the standard template and standard template and clamp them;

b. Turn off the powerswitch.

(2) Press the test key ,on the same time turn on the power switch (See Figure 3)



Under normal conditions, a buzzer sounds like "Chirp", grinding head will automatically rises and moves left to the position of the resin lens wheel (See Figure 4).



(3) When the standard template stops on the resin wheel, the < or >key can be used to move the template relative to the wheel. Press the "Stop" button, and after contacting the resin grinding wheel, the standard template will automatically move to the leftmost polishing

grinding wheel (see Figure 5).



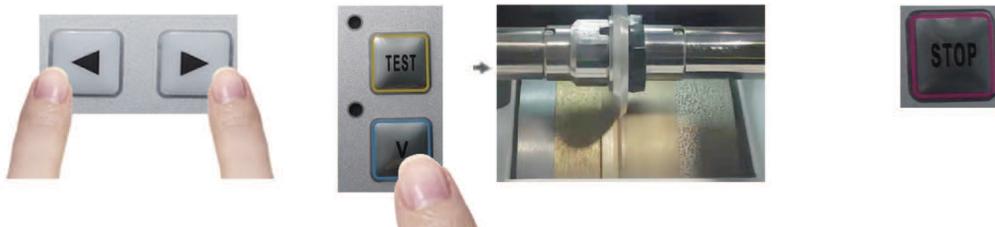
(4) When the standard template stops on the polishing wheel, the position can be moved by < or > key. Then press the "Stop" button, and after contacting the polishing wheel, the standard template will move to the top of the left glass wheel (see Figure 6).

(see Figure 6)



(5) When the standard template stops above the glass wheel, the < or > key can be used to make the template in the desired position, and then press the "Stop" key. After contacting the glass wheel, the standard template will move above the "V" groove grinding wheel.

(6) when standard samples stop above "V" shaped groove grinding wheel, by < or > button to make template focus on "V" shaped groove center, and then press regrinding key, contact "V" shaped groove bottom, then back to the above of "V" shaped groove, can repeat this process, make it precisely in the center of the V groove, visual confirmation carefully each other center, press the "stop" button, Automatically move to the right of the V groove grinding wheel above the fine grinding (flat grinding), the sample plate can be placed in the desired position by < or > key. Then press stop key (see Figure 7. Figure 8)



The order of execution is resin, polishing, glass, V-groove and edge fine grinding



Note: the execution sequence is resin (PC), glass, edge polishing, flat polishing, edge fine grinding, flat fine grinding

(8) If the above steps (1) to (6) are completed, the grinding head will automatically return to the original position and stop, remember to turn off the power switch at this time, the set position and size will be automatically stored, and then turn on the switch to use it. Otherwise invalid.

### Lens size setting and storage

1. When you want to change the lens size in one setting, perform the following procedure.

- When the "+" button is pressed, turn on the power switch and confirm that the voice sounds like "Chirp".

- Use "+" or "-" key to change the display value, as with the desired size, and then press "Stop" key, the changed size value will be stored (recorded), with edges and without edges to be divided into two times.

- After setting, remember to turn off the power, the size has been set will be remembered by the computer. Otherwise invalid!



## Maintenance and repair

<p>Change the water</p>	<p>After grinding about 30 lenses, the water is changed periodically</p>
<p>Cleaning water supply nozzle</p>	<p>If continuous supply of water contaminated by the grinding procedure, the water supply nozzle is easily being blocked. If it is blocked, remove the rack and wash it with clean water.</p>
<p>repair and maintain the diamond wheel set</p>	<p>① When the grinding wheel is worn, most of the required edges or bevels cannot be properly formed by normal edging.</p> <p>② In this case, a piece of sand bar can be used to repair the grinding wheel of diamond.</p> <p>③ Press the "test" key, the wheel starts to turn, you can go into repair the glass grinding wheel.</p> <p>④ Press the "test" button again to stop grinding.</p> <p>⑤ Can use the emery wheel inertia, to repair the grinding wheel without edge by slow rotation</p> <p>⑥ Repeat this operation 5-10 times</p> <p>* Do not trim resin grinding wheel and polishing wheel.</p>
<p>Replace the diamond wheel set</p>	<ul style="list-style-type: none"> <li>■ If the same part of the diamond wheel is continuously being ground, this part will wear away.</li> <li>■ In this case, "sand bar" is useless for such diamond grinding wheel .</li> <li>■ In this case, replace it with a new diamond wheel.</li> </ul>

**Accessories and Tools**

cleaning	
standard cleaning cycle	<ul style="list-style-type: none"> <li>■ While it is in use, remove worn debris from the bracket daily with a brush.</li> <li>■ Do not allow too much water to flow internally as this can cause problems.</li> </ul>

Before requesting service	
Water cannot be supplied and the grinding wheel cannot rotate	<ul style="list-style-type: none"> <li>■ Check whether the power switch is on</li> </ul>
Continuous beeping	<ul style="list-style-type: none"> <li>■ Push the mill head gently to the right</li> </ul>
The grinding wheel can rotate but water cannot be supplied	<ol style="list-style-type: none"> <li>① Check whether the water supply faucet rod is tightened.</li> <li>② Check whether the water supply nozzle is blocked.</li> <li>③ Check whether the water tank is full of water (To the 80% mark).</li> <li>④ Check whether the water pump motor works well.</li> <li>⑤ Check that pipes are properly connected.</li> </ol>
Not centered	<ul style="list-style-type: none"> <li>■ Make sure that moisture is removed from the sucker during edging.</li> <li>■ Check the sucker crack-free</li> </ul>