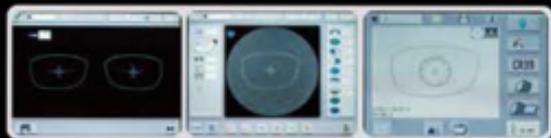


FC-600 Tracer center

Tracing system

- Integrating the optical scanning and center finding.
- Accurately getting the size and shape of sample lens only needs 3 seconds.
- Real-time image, leading and confirming if the lens arrives the most appropriate centric position.
- Automatically avoid the effect of lens degree, prism and artificial parallax .
- 8 inch touch screen.
- Easy operation, low breakdown rate and quick service.
- It could on line with the ADV series of Auto edger and FE-600 Auto edger.



FE-600 Auto Edger

Edging system

- A variety of material of lens can be processed, rapid edging to be molding.
- Bevel or platband can be polished.
- Various grinding pressure meet the demands of different lenses.



FE-600/FC-600 AUTO EDGER CONFIGURE AND OPTIONS

Grinding wheel configuration and its functions	✓
Integrating the optical scanning and center finding	✓
On line with two machines at the same time	✓
Graphic storage	✓
Graphic rotating and editing	✓
Progressive Additional Lens editing	✓
Software update	✓

*The above configuration is for the standard machine.



AUTO EDGER

Model:	FE-600 & FC-600	
	FE-600 Auto Edger	FC-600 Tacer Center
Picture		
Description	<p>1.A variety of material of lens can be processed, rapid edging to be molding. 2.Bevel or platband can be polished. 3.Various grinding pressure meet the demands of different lenses. 4.On-line function.</p>	<p>1.Integrating the optical scanning and center finding. 2.Accurately getting the size and shape of sample lens only needs 3 seconds. 3.Real-time image, leading and confirming if the lens arrives the most appropriate centric position. 4.Automatically avoid the effect of lens degree, prism and artificial parallax . 5.Simultaneously connect 2pcs FE-600 Auto Edgers to build a machining center.</p>
Scanning sample lens	YES	
Scanning frame	NO	
Glass rough grinding wheel	YES	
PC rough grinding wheel	YES	
Bevel and rimless finishing fine grinding wheels	YES	
Bevel and rimless finishing buffing wheels	YES	
Automatic press-sucking	NO	
Automatic slotting and safe-edging	NO	
Graphic storage	YES	
Bifocal lens making software	YES	
Graphic rotating and editing	YES	
Progressive Additional lens editing	YES	
Software update	YES	



FC-600 TRACER CENTER
USER MANUAL

Foreword

This manual is applicable to FC-600 operation and maintenance.

We recommend you read this manual carefully, for the proper use and enhancement of the life of your new device.

If any problem has been met in your operation, please contact with our consumer service department or our agent.

Environment

The device should be used in indoor exclusive place.

Temperature and humidity requirements:

Work: Temperature +10°C ~ +40°C Humidity 30% ~ 75%

Store: Temperature -5°C ~ +50°C Humidity 25% ~ 95%

Altitude: < 2000m

Installation circumstance requirement:

Avoid exposure to direct sunlight.

Keep away from heat source.

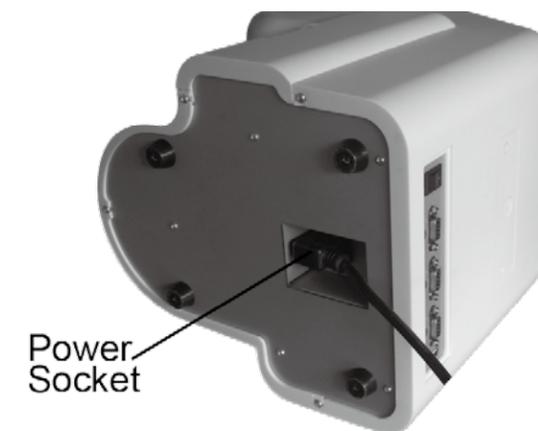
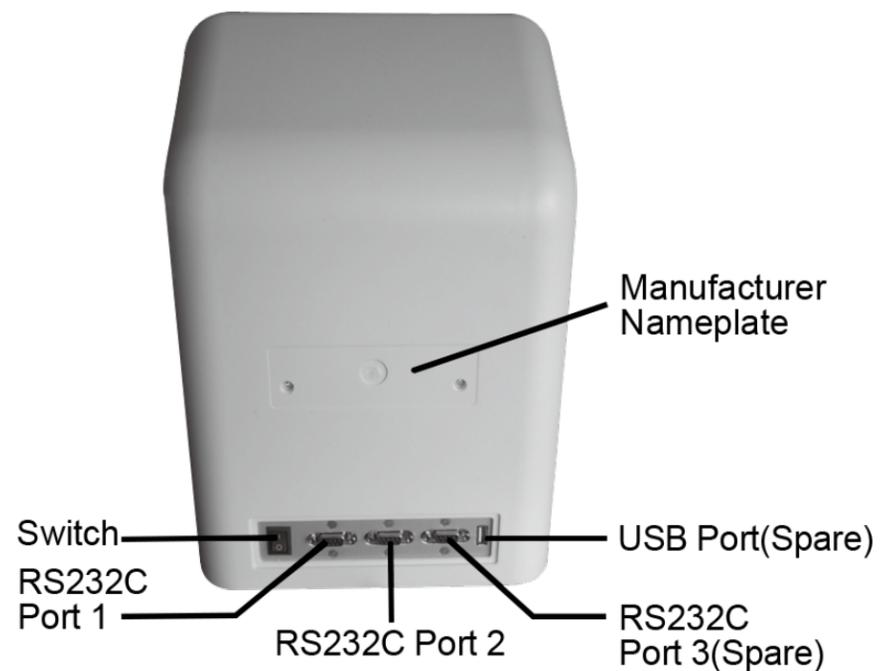
Keep away from strong electromagnetic source

The device should be connect with reliable circuit, to ensure ground wire.

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Profile

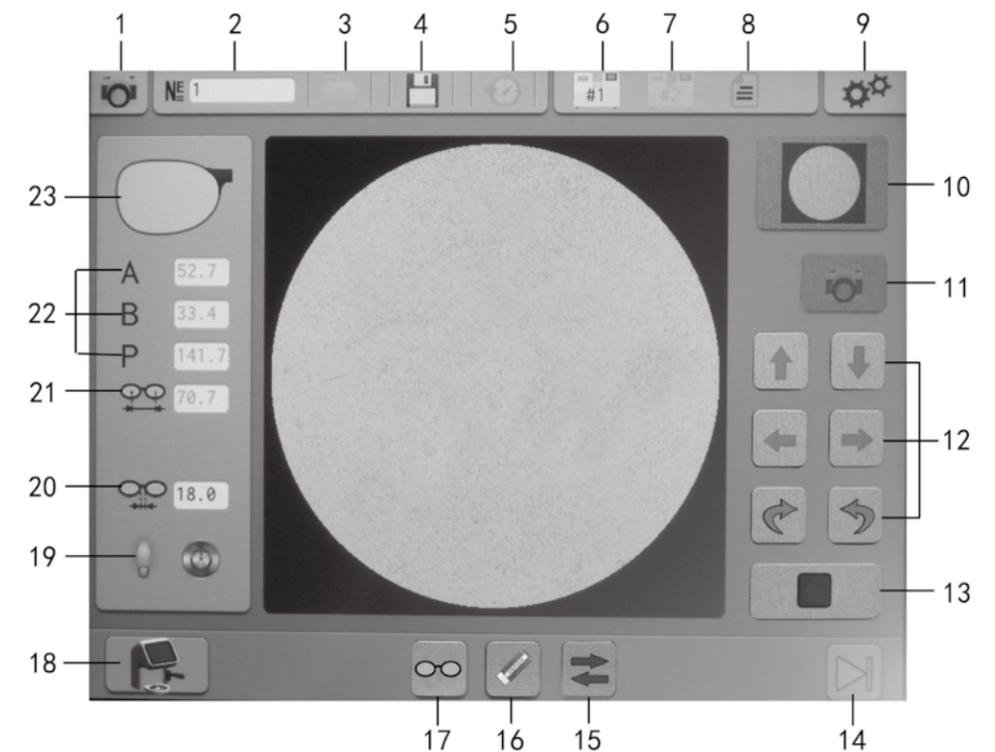


Installation

1. Please confirm that the switch is OFF.
2. Please plug the power cable into the socket of FC-600.
3. Please plug the power cable into an outlet which has a ground wire.
4. Connect FE-600 to FC-600 (port 1 or port 2) by RS232C connecting line.

Camera Interface

Icon/Function key



Tips: If the button is gray, that means this function is currently unavailable.

No.	Icon	Description
1		Interface status(in the upper left of screen)
2		Task Number
3		File (It can save 48 pcs graphs)
4		Save key
5		Historical task
6		Connect machine #1
7		Connect machine #2
8		Task
9		Engineer interface(it can enter submenu)
10		Initialization key
11		Shooting key(in the right of screen, it can be operated)
12		Adjustment key(Light & Right / Up & Down /Axis)
13		End key
14		Next page
15		L/R key
16		Cleaning key
17		Axial rotation key
18		Function key(Shoot-Position-Send)
19		Light source lamp
20		Light source lamp switch
21		Distance of bridge
22		Geometrical center of frame
23	ABP	Light & Right / Up & Down / Perimeter
24		Current frame

Shooting Procedure

1. Press Initialization key, ready for shooting.

2. Make sure that empty out the things(include the lens bracket) of shooting area.(fig.1 fig.2)

Tips: If any stain on the lens of shooting area, it will affect the result of shooting.

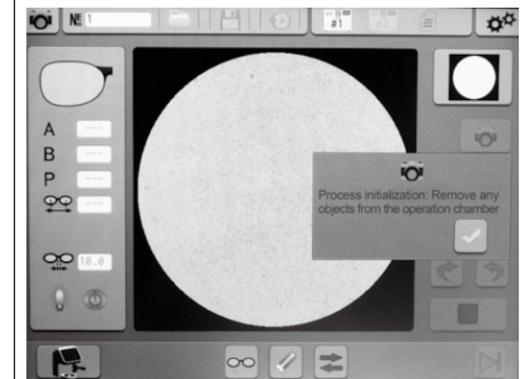


fig.1

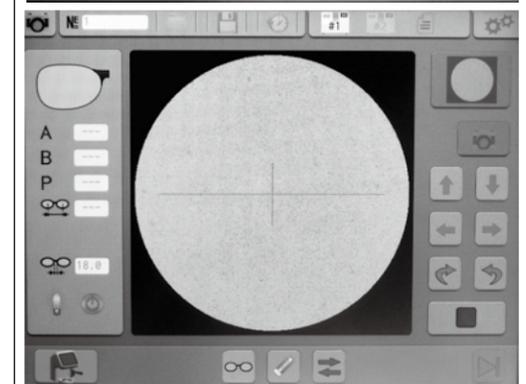


fig.2

3. Put the facing or templet on the shooting area. Try to make the graph in center of cross horizontal. (fig.3)

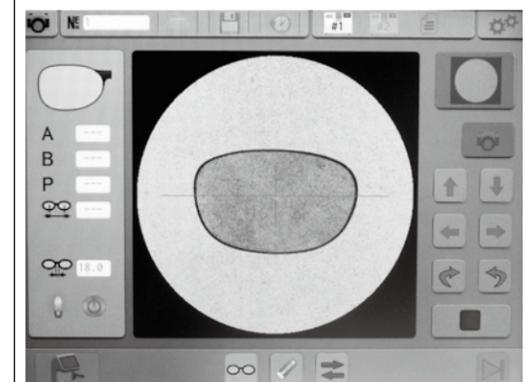


fig.3

4. Press Camera key to collect data.

Adjustment key will be unlock after collecting data. (fig.4)

You can adjust the center and axis of lens image by Adjust key.

After adjustment, pressend key to save.

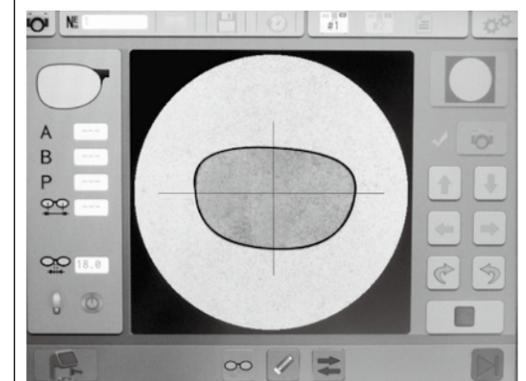


fig.4

5. System will automatically jump to fig.5.
 Take off the facing or templet, empty out the shooting area. Shooting is finished.
 Input the distance of bridge, then press  return key to confirm.
 If you need to change the data again, you can click  input box to change the data.

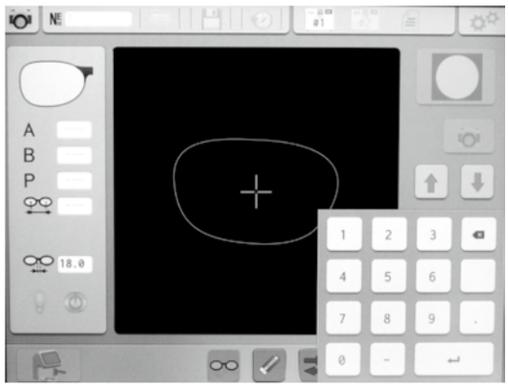


fig. 5

PS: In order to view conveniently, please press  lamp key to turn on the lamp if the lamp is not light.

6. If you want to adjust the double eyes axis and PD of frame.
 Press the  enter next interface.(fig.6)

- 1) Press  Rotating key to micro-adjust the axis.
- 2) Press  to micro-adjust the size of bridge.
- 3) Press  saving and return to main interface after adjustment.

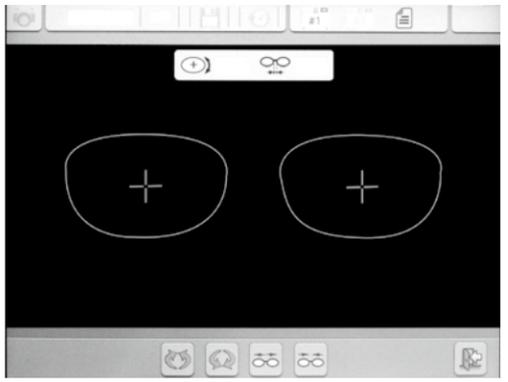
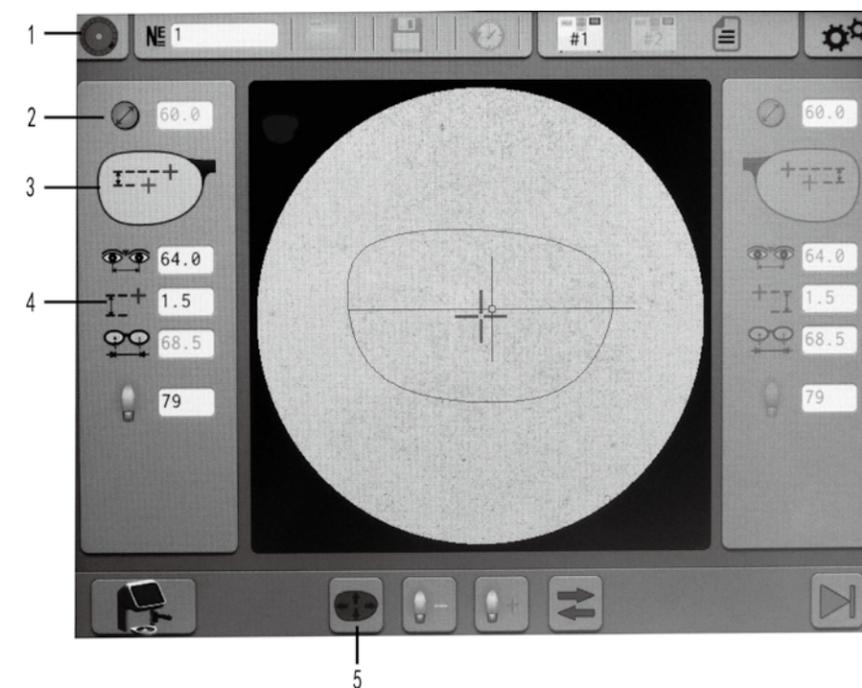


fig. 6

Tips: If you are not satisfied with the current graph and you want to shoot again, please press  clearing key then repeat the above procedure.

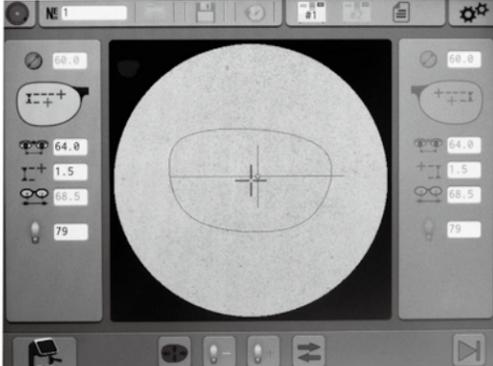
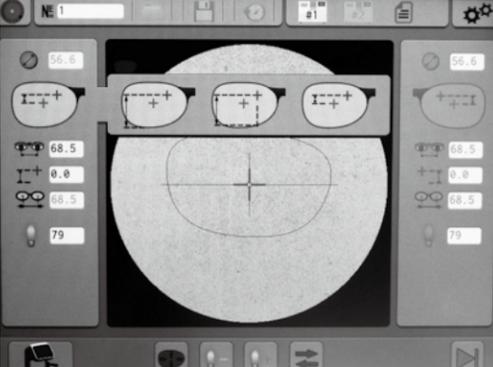
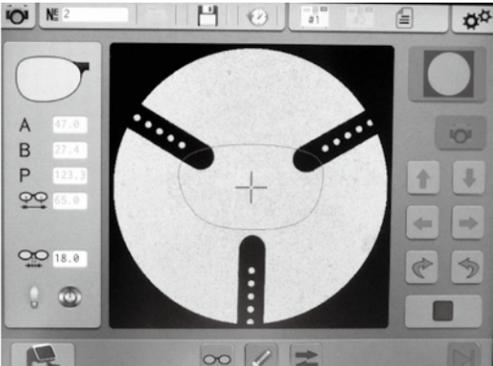
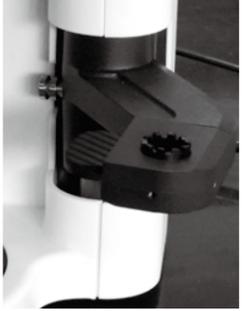
Positioning Interface

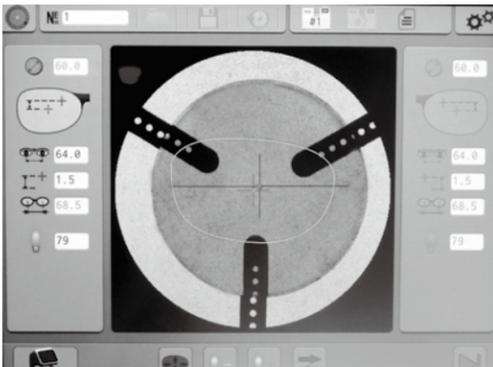
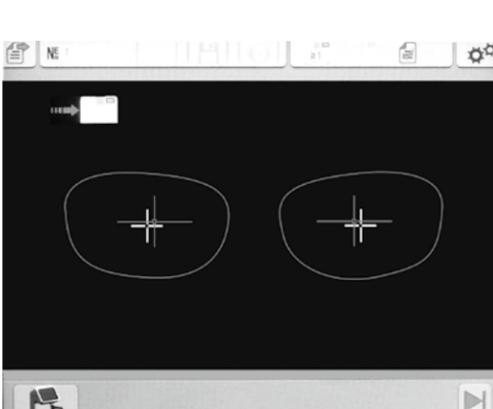
Icon/Function key



No.	Icon	Description
1		Interface status
2		The suitable size of lens
3		The height from optic center to frame's lowest point
		The vertical height from optic center to frame's bottom
		The height from optic center to lens's center
4		Pupil height
5		Graphics edition

Positioning Procedure

<p>1. Press  Function key, select the positioning icon , system will enter the optic center adjustment positioning interface.</p>	
<p>2. Input the PD data enter  input box.(fig.a)</p>	 <p style="text-align: right;">fig. a</p>
<p>3.Change the suited mode of pupil height.(fig.b) e.g.: click on , choose the mode. Then input the pupil height enter  input box.</p> <p>Tips: In engineering interface, you can set your frequently used mode of pupil height for interface preference.</p>	 <p style="text-align: right;">fig. b</p>
<p>4. Put lens bracket on the shooting area. (fig.c)</p> <p>Tips: The salient of lens bracket should lock with the indentation of shooting area firm.</p>	 <p style="text-align: right;">fig. c</p>
<p>5.Turn the positioning collet over make the sucker seat upturned. (fig.d) Putting the sucker, stick the dual adhesive tape, then turn over the positioning collet.(fig.e)</p>	<div style="display: flex; justify-content: space-around;">   </div> <p style="display: flex; justify-content: space-around;"> fig. d fig. e </p>

<p>6. Put the lens (which be marked the center) on the lens bracket, and adjust the place of optic center. (fig.f)</p> <p>Tips: The optic center should be aimed at the big red cross.</p>	 <p style="text-align: right;">fig. f</p>
<p>7. Press the positioning handle to push down. lens adsorbing is finished.(fig.g)</p>	 <p style="text-align: right;">fig. g</p>
<p>8. Press  L/R key to change the side, repeat the above procedure to position the lens.</p>	
<p>9.Press  enter next page. Data will be sent to FE-600 automatically.  will become  when the edger finish to received data.(fig.h)</p> <p>Tips: you can press the  Function key in positioning interface, choose  to send data.</p>	 <p style="text-align: right;">fig. h</p>
<p>After sending the data, press  return to the shooting interface, press  clearing key, resume to the next task.</p>	

Graphics Edition Interface

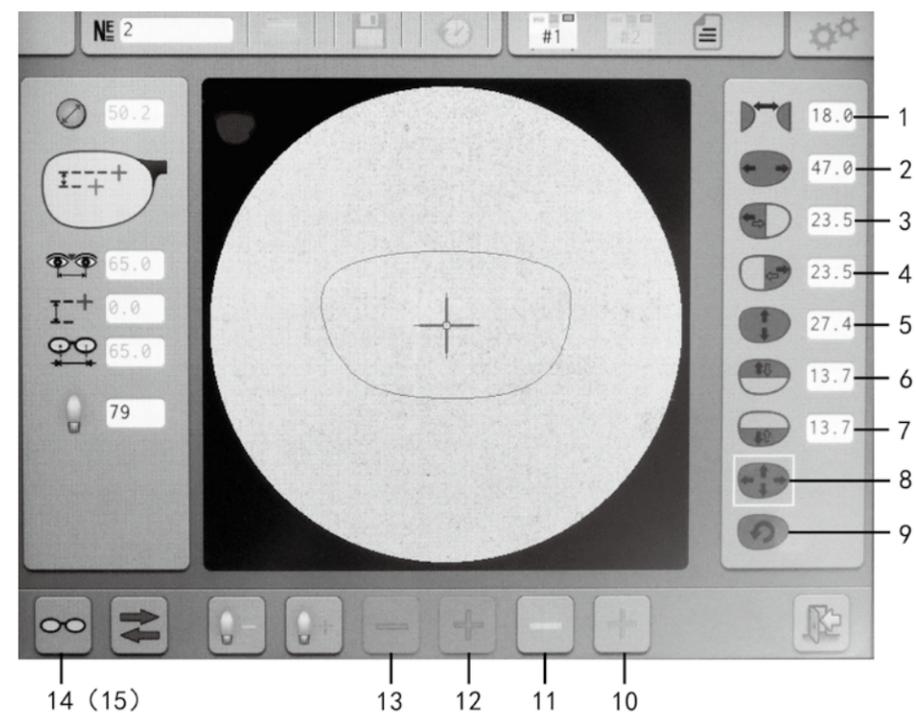
Function Introduction

Enter positioning interface after shooting,

If you want to edit the graph, please click on in positioning interface to enter the Graphics Edition.

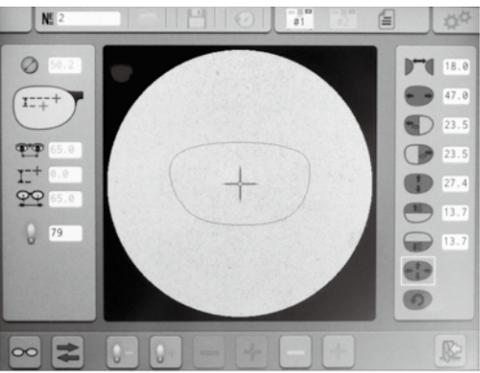
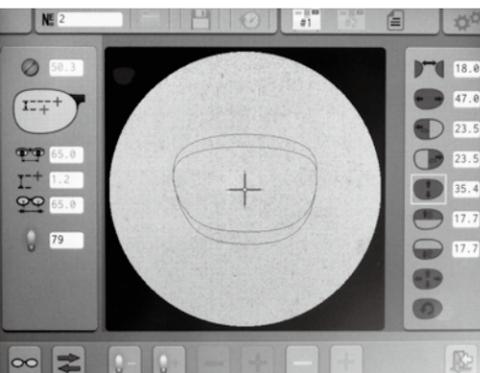
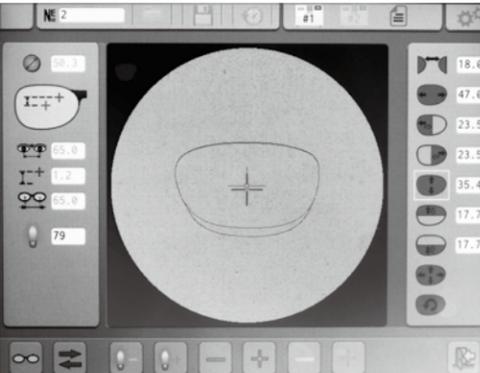
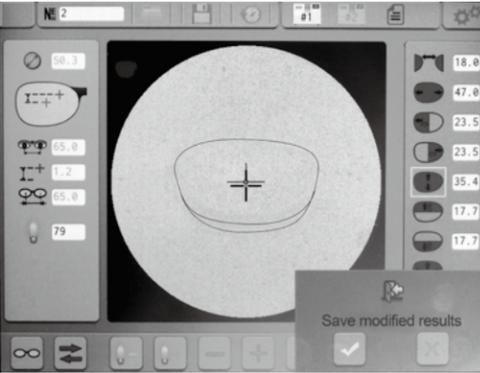
Tips: For edition function, we suggest that operating by professional assemblage person.

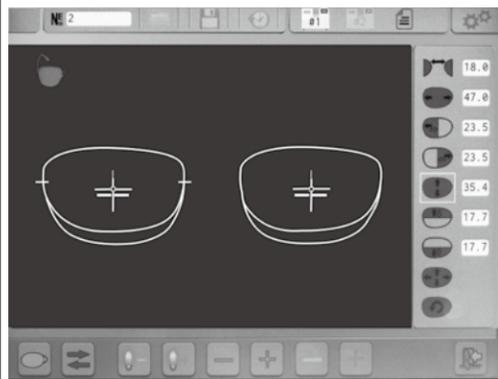
Icon/Function key



No.	Icon	Description
1		Change the distance of bridge
2		Change the lens's L/R size
3		Start from the baseline, edit the size of lens' left part
4		Start from the baseline, edit the size of lens' right part
5		Change the lens's Upper/Under size
6		Start from the baseline, edit the size of lens' upper part
7		Start from the baseline, edit the size of lens' under part
8		Change the size of lens
9		Rotation function
10		Size increase
11		Size decrease
12		Start from the baseline, increase the size
13		Start from the baseline, decrease the size
14		whole glasses view
15		Single lens view

Graphics Edition Procedure

<p>Click on  in positioning interface to enter Graphics Edition.</p>	 <p style="text-align: center;">Graphics Edition</p>
<p>1) Choose the kind of graph which need to change on the right of screen. Adjust by + - .(fig.B-1)</p> <p>Tips: Icon will has a yellow frame when it be chose.</p>	 <p style="text-align: right;">fig. B-1</p>
<p>2) Editing the part of lens</p> <p>Firstly, sure the place of baseline by + =</p> <p>Then adjust by + -(fig.B-2)</p> <p>Tips: Baseline is displayed as a yellow line on the screen.</p>	 <p style="text-align: right;">fig. B-2</p>
<p>3) Click on , after editing.</p> <p>According the Tips to Save and return to positioning interface.</p>	 <p style="text-align: right;">fig. B-3</p>

<p>4) In step two, click on  to skip to interface fig.B-4. you also can edit the graph in this page to observe the whole condition directly.</p> <p>Click on  to save and return the position interface.</p>	 <p style="text-align: right;">fig. B-4</p>
<p>Tips: After editing, please notice the distance of bridge  if it is changed, please reenter the data.</p> <p>Return to positioning interface after editing, then enter the distance and height of pupil, position is finished.</p>	

Engineering Interface

Click on  in any main interface, enter Engineering interface.



No.	Icon	Graphic	Description
1			Three kinds mode of pupil height
			Buzzer open/close
2		0.1mm 0.5mm 1.0mm	The step of size decrease
		Do you want to calibrate the touch screen?	Please refer to the maintenance
3			Brightness setting of light source lamp
			Brightness setting of screen
4			Open/close the screen saver
			Time setting of screen saver. (Step:5MIN-60MIN)
5		YYYY-MM-DD	Time
			Language
6			Device information
7			Save and return to main interface

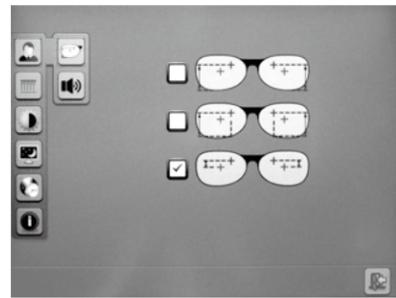


fig. 1-1

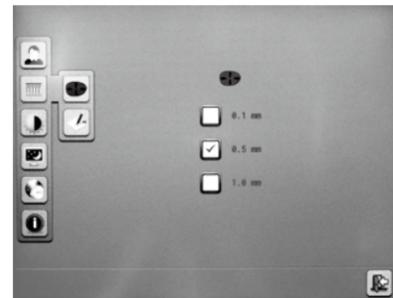


fig. 2-1



fig. 2-2

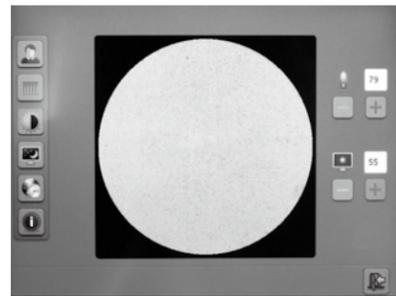


fig. 3



fig. 4

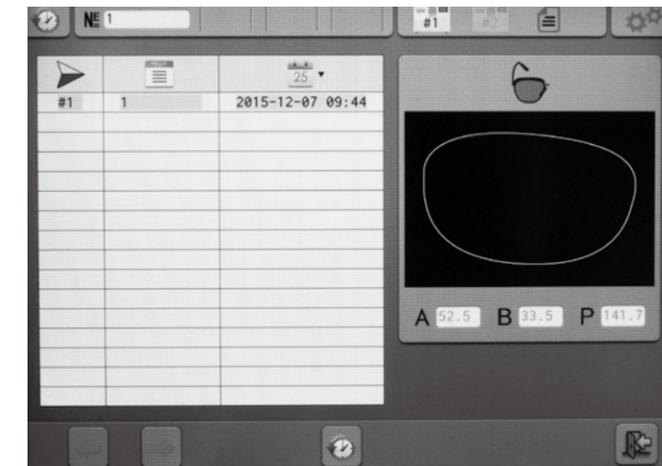


fig. 5



Film Management

Click on in Camera interface, enter the File Management.



No.	Icon	Description
1		File number
2		File
3		Number
4		File name
5		File save date
6		Up page
7		Down page
8		Delete

- The file bar after "NE" is used for enter the name of file which you want to save.
- If there is same name file in record, it will activate the preceding same name file.
- Click on the file of list box to find the saved file and do delete.
- Under reading mode, you can enter the file name in file bar for searching, or you can click on file directly, file name will be synchronize with file bar, then click on the icon to open.

- Contour graph in the right is the activated files in left list box.

It is no connection with the ready saved file.

Under the saving mode, it is only for browsing and comparing the file name, the ready saved file is the file in work area.

File name can be changed in the file bar.

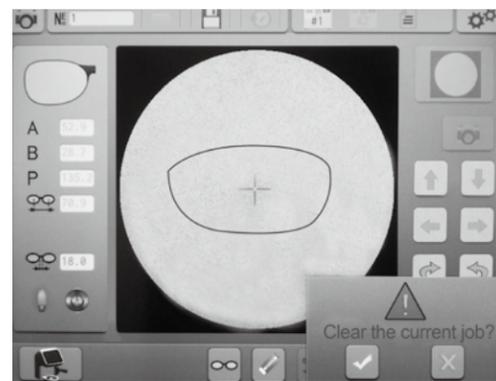
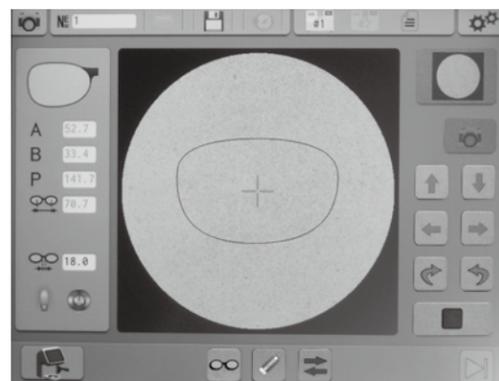
-    , Click the icon, file will be sorted by name or date, ascending or descending. Up to 48 of file can be saved.



Recovery historical task

- When camera being used, if grind fail lead to block the new lens about the last task. Click on  will recover the historical task, then position and block the new lens again.

- Now the ward of textbox is red color, click on  to exit after finishing, Then restore the previous state and resume the previous interrupted task.



Technical parameter

LCD Screen:8.00”Touch screen

Dimension:301(W)*247(D)*347(H)MM

Weight:7.7kg

Power Supply:100-240V 50/60HZ

Accessories:

Lens bracket	1PCS
Dust cover	1PCS
Power cable	1PCS
Resistance pen	1PCS
RS232C connecting line	1PCS

Maintenance

Touch screen calibration

Click on  in any main interface enter Engineering interface.

- 1) Click on  enter submenu, click on  enter calibration interface to select .
- 2) According the Tips, Click on “+” by resistance pen.
- 3) After click in order, system will return Engineering interface, touch screen calibration is finished.

System Cleaning

- In order to avoid the trouble, please unplug the power cable before cleaning.
- Cleaning the cover regularly by diluted neutral detergent soft cloth (E.g.: Tableware detergent).
- Cleaning the screen by dry cloth: Avoid the liquid to touch the screen (E.g.: water/alcohol/glass detergent).
- Please tuck machine in dust cover when the device is not in use, avoid the dust enter the shooting area.
- Cleaning the glass of shooting area regularly by dry cloth.
- Please don't touch the component of optic module which is above the shooting area.
- Please don't pour the liquid on the glass of shooting area.



FE-600 AUTO LENS EDGER
USER'S MANUAL

FOREWARD:

This manual is applicable to FE-600 Auto Lens Edger's operation.

We recommend you read this manual carefully, for the proper use and enhancement of the life of your new equipment.

If there' re any problems you have met in your operation, please contact with our consumer service department or our agent.

This information contained in this manual are not contractual and can be modified without notice. On top of that, errors and omissions can occur, although all is performed to avoid them.

Supplier does not assume any reponsibilities or liabilities for damages caused by errors and omissions.

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1. Installation

Safety Precautions

Warning

1. Do not place the edger near to a heat source (such as a radiator) or in high humidity environment.
2. Make sure your voltage source corresponds to the voltage specified on edger nameplate, located on the rear of the machine.
3. If the machine is not going to be used for a long period of time, you should clean the machine, turn off the water, cut off the power supply, and keep it in the dry area.

Supplier does not assume any responsibilities or liabilities for damages caused by negligence or ignoring the safety precautions enlisted in this manual.

The operation of this machine is strictly prohibited before reading this manual.

Installation Conditions

Before installing the machine, make sure the bench is made up of the following components:

1. The bench
 - The bench receiving the machine shall be stable and at the same level, and shall have free movement space of about 800*700 mm.
2. The electricity
 - Power outlet: 220V-16A; 110V-30A, is protected with differential breaker of 30A. The outlet must be connected to the EARTH.
3. The water
 - A water supply pipe can correspond to a water pump (circulation water) or magnetic valve (running water).

For a well functioning of the machine, the maximum water supply pressure must be between 4 and 7 bar.

Bench preparation

Follow the steps below to prepare the bench

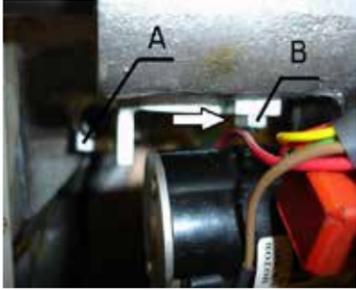
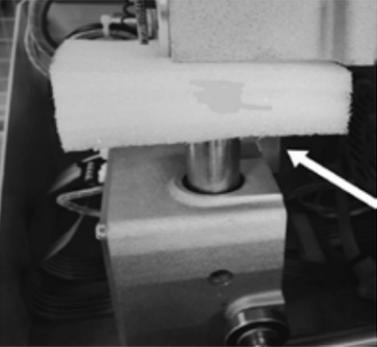
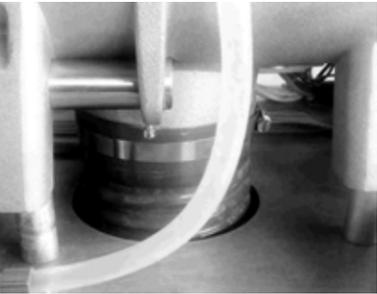
Step	Action
1	Drill the bench as follows: <div style="text-align: center;"> </div>
2	Place the edger on the bench by positioning it in relation to the drilled holes.

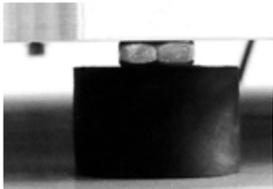
Installing the Machine

If you install your edger by yourself, please do not discard boxes or any of its packing contents.

Follow the steps below to install the machine.

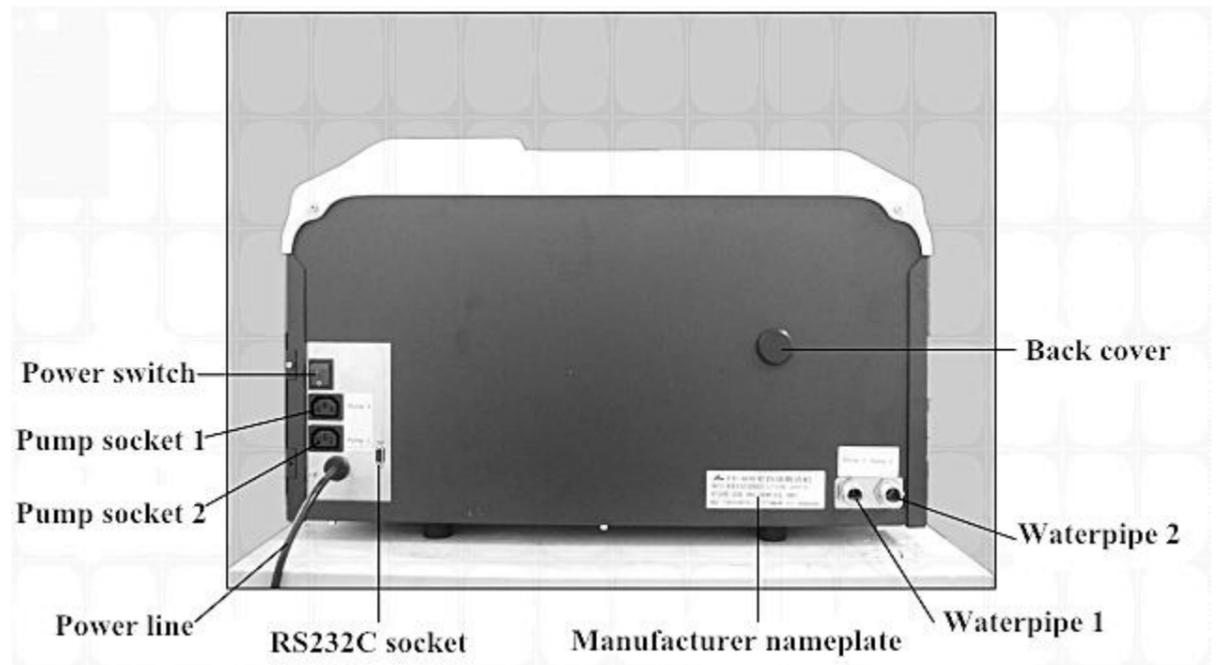
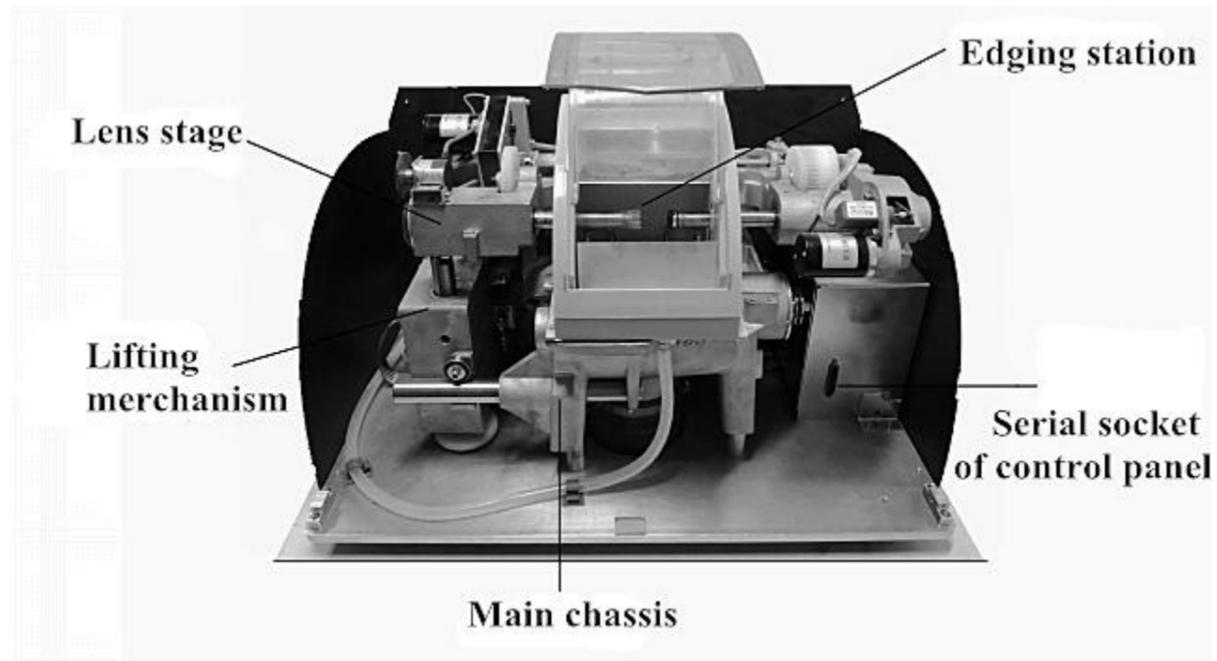
Step	Action	Diagram
1	Unscrew the two M4 screws on the back of the machine.	
2	Unscrew the two M5 screws on both sides of the machine.	
3	Lift the big shell, and unplug the data line between the LCD and the power supply box.	
4	The operator is standing at the back of the machine, to check the tightness of the translation steel wire.	

5	Loosen and remove screw B by using 14-mm wrench, remove screw A by using 6-mm Allen wrench. Remove the transport fixed angle iron (and keep it).	
6	Remove the wedge between lifting jack and glass stage.	
7	Plug the drain pipe to the chassis of the machine.	
8	<p>1. Connect the water inlet pipe with the water valve of the machine.</p> <p>2. Connect the water inlet pipe with the water pump.</p> <p>Attention: Water pump1 corresponds to pump1 socket. Water pump2 corresponds to pump2 socket.</p> <p><u>Warning:</u> If it is the running water, you must pay attention to connect with magnetic valve according to the requirements.</p> <p>3. Fill three quarters of the tank with water.</p> <p>4. Filter is installed between the pump and downspout</p> <p>Warning: The work is strictly prohibited in the case of no water in the tank, to avoid burning the pump.</p>	 

9	<p>Check that the main switch of the machine is on OFF position.</p> <p>The pump plug corresponds to the socket.</p> <p>FE-600 is connected with FC-600 by RS232C data wire.</p>	
10	Level the machine by screwing or unscrewing the four Four feet, to make sure the machine is placed horizontal and stable.	
11	Plug the data wire between the LCD and the power supply box, then to install the big shell.	
12	Once again to confirm the above steps are correct, to connect with the power supply to turn on the machine, then the machine starts to self check.	
13	Call a graphic from the machine, or on line to download a picture, to try to edging.	
Installation End		

FE-600 AUTO LENS EDGER

Components Description



2. System Introduction

Keypad



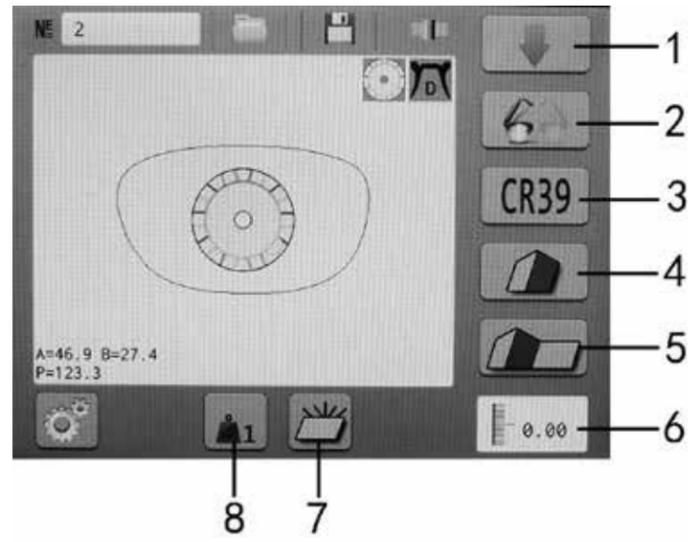
Keys: Description

Key	Function / description
	Stop key
	Clamping function / Moves the lens left during roughing
	Open function / Moves the lens right during roughing
	Start key

Touch screen interface: Description

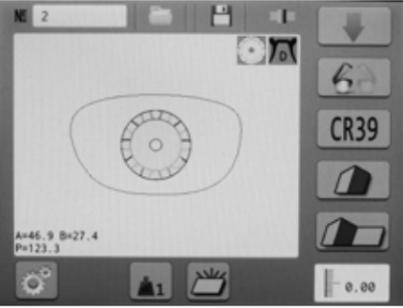
S/N	Icon	Description
1		Document Number
2		File
3		Save Key
4		Open Mode
		Clamping Mode
5		Engineer Menu Key
6		Represents the position of the current edging lens

Basic Concepts



Call a job aid of the bar code reader or Click on  to download the data sent by FC-600.

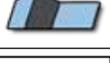
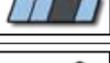
FE-600 auto edger starts working mode.

Mode	Screen	Functions
Edging Interface		<ul style="list-style-type: none"> ● Download Datas ● Lens Side to Edge ● Lens Type to Edge ● Lens Finishing Type ● Bevel Type ● Lens Final Size ● Lens Polshing ● Edging Pressure ● Enter Engineer Interface

3. Edging

Edging Mode

Functions: Diagram

S/N	Icon	Description
1		Download Data
2		The position of the lens (Right)
		The position of the lens (Left)
3	CR39	Organic Lens
	GLASS	Glass Lens
	PC	Polycarbonate Lens
4		Bevel Finishing
		Rimless Finishing
5		Front Side Bevel: The bevel is placed on the front side of the lens.
		1/2-1/2 Bevel: The bevel is placed in the center of the lens.
		Rear Side Bevel: The bevel is placed on the rear side of the lens.
6		Size Correction
7		Lens Polishing: Only for Organic Lenses and Polycarbonate Lenses
		No Edge Polishing
8		Minimum Edging Pressure: Edging Thin Lens for example
		Medium Edging Pressure: Edging Medium Lens for example
		Maximum Edging Pressure: Edging Thick Lens for example
		Waterproof the lenses a proprietary program
		Fragile lenses a proprietary program

Edging a Lens

Follow the steps below to edge a lens.

Step	Action
1	Call a job aid of the bar code reader or Click on  to download the data sent by FC-600.
2	Place the lens to edge in the edger, already centered and blocked, as follows. <ul style="list-style-type: none"> Place the blocked lens into the left side adaptor. Press and hold the  key (or the one located at left of the edging station) to close the lens clamp.
3	Adjust the water flow by turning the knob, located under the machiner at the center. Note: <ul style="list-style-type: none"> If using direct water supply, check if the water valve is open. If using recirculating system, check if the system is correctly installed.
4	Select the side to edge (please refer to the previous Function No. 2)
5	If necessary, you can modify the edging parameters <ul style="list-style-type: none"> Lens type Finishing type Beveling position type Pressure type Polishing option
6	Risk of collision of the adapter with the wheels. <ul style="list-style-type: none"> The lens adapter should be matched with the same type of auto edger. Two types of “small” adapters are used on the machine (19mm and 17mm height). The use of the 19mm adapters when the 17mm ones required will make a collision of the adapter with the wheel. <p>Close the visor, Press the OK key to start the edging cycle.</p> <ol style="list-style-type: none"> Roughing Do not open cover during edging operation. Do not touch moving parts inside. Tracing <u>Result:</u> If the uncut lens is too small for the shape, a message appears on the screen.
7	If you select the beveling function Then enter to the beveling process
8	2. Finishing 3. Polishing (optional)
9	Hold the edged lens and press the  key of the keypad (or the located at left of the edging station) to open the right side chunk.
10	Remove the lens from the left side adaptor. Do not remove the block from the lens until the lens size has been confirmed with the optical frame.

Safety Mode

For the operator’s safety, some controls and actions have been implemented

Wheel rotation:

- The main motor starts only if the visor is closed
- Opening manually the visor stops the wheel motor and switches the machine in error “visor function”

Clamping:

- To clamp the lens you have to hold the  key
- Starting the cycle with the clamp open will generate the warning message “Clamp the lens before start”

Cycle Interruption

The edging cycle can be interrupted at any time

So you can press the  key

Result: The edging cycle stops immediately



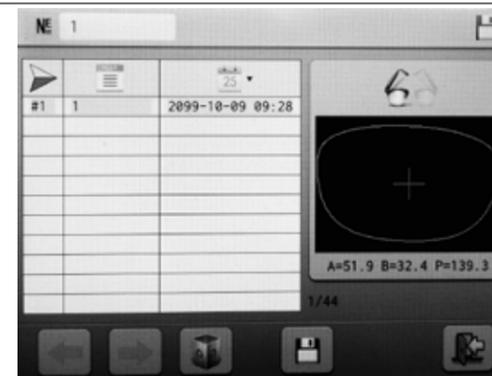
Edging a 1/2Eye Lens

To edging a 1/2eye lens you must replace the standard chucks by the small chucks (Ø 17mm) located in the accessory box.

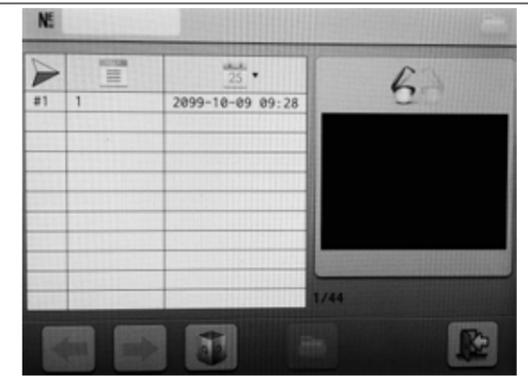
Note: Please stick on anti slip stickers when edging easy sliding lens.

File Management Capabilities

To click on the  save key of main interface for saving the current datas.



To click on the  file of main interface can open the saved documents.



Retouching a Lens

Prerequisites

Before retouching a lens, make sure of the following:

- The lens block has not been removed from its original lens placement
- The edging parameters have not been altered

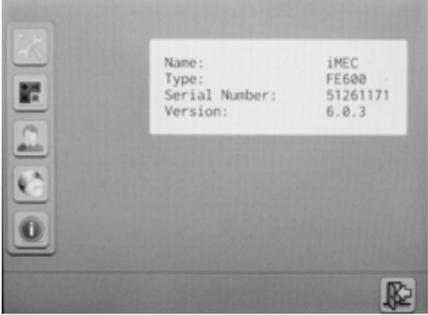
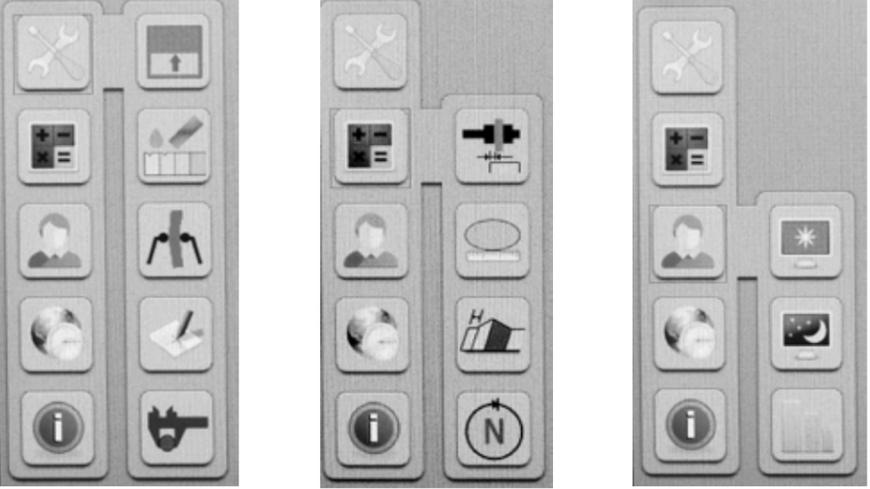
Procedure

Follow the steps below to retouch a lens after edging

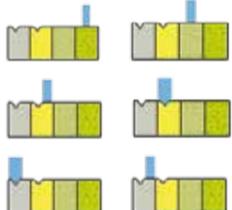
Step	Action
1	Place the lens in the edger again
2	Press the  key to select one side of the lens to be retouched
3	Click on  size correction key, then appear a input box.
5	Enter the value to revise the size Note: The correction value is always in a negative form.
6	Then press the  key Result: Start the retouching process
Note: If you press the “OK” key after entering the correction value, but it restarts roughing, which is failed to be retouched.	
7	Hold the edged lens while pressing and holding the  key of the keypad (or the one located at left of the edging station) to open the right side shaft.

Kindly reminder: Under retouching mode, it will appear this  icon at the right bottom of the screen.

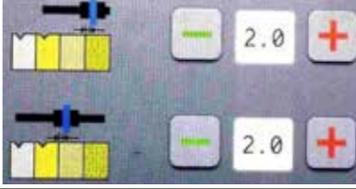
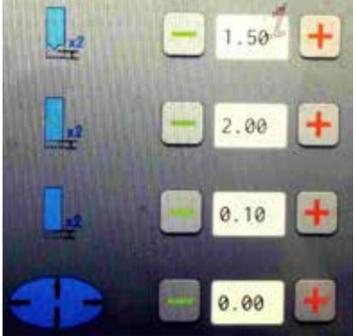
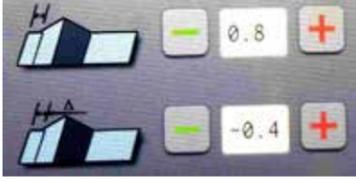
4. System Configuration/ Engineer Menu Interface

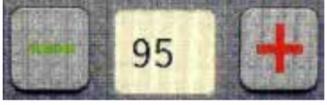
Step	Action
1	When the machine is under the condition of Stop, please click on the  Engineer Menu key.
2	<u>Result:</u> it will display below screen 
3	Respectively, press the  ,  ,  keys to appear the below submenu 
4	The following are the detailed introductions for the main contents of Engineer Menu.

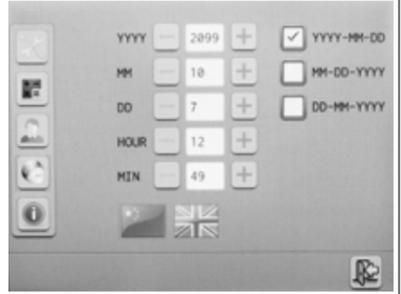
 **Submenu Introduction**

Icon	Paraphrase	Interface Display	Function Introduction
	Cabin Door Switch of Edging Station		 shows the door switch is closed.
	Manual Wheel Dressing		Select  to start; Select  to stop.
	Bending Calibration		To operate or exit according to system prompt
	Touch-screen Calibration		To operate according to system prompt
	Edging calibration adjusts the wheel size.		Adjust the external diameter of the wheel according to system prompt

 **Submenu Introduction**

Icon	Paraphrase	Interface Display	Function Introduction
	Roughing Wheel Beginning Position Setting		<ul style="list-style-type: none"> ● Glass beginning position setting ● PC beginning position setting (Non professionalas do not change the data)
	Edging Differential Correction		<ul style="list-style-type: none"> ● Edging differential before Bevel ● Edging differential before Rimless ● Edging differential before Polish ● Lens global size correction (Non professionalas do not change the data)
	Bevel Margin Correction		<ul style="list-style-type: none"> ● Bevel margin initial value setting ● Bevel margin value correction (Non professionalas do not change the data)
	Edging Cycles Setting		<ul style="list-style-type: none"> ● CR39 Rimless polish cycles setting ● CR39 Bevel polish cycles setting ● PC Rimless polish cycles setting ● PC Bevel polish cycles setting ● Grinding polish cycles setting (Non professionalas do not change the data)

 Submenu Introduction			
Icon	Paraphrase	Interface Display	Function Introduction
	Touch-screen Brightness Setting		<ul style="list-style-type: none"> ● Adjust the brightness by "+" or "-"
	Screensaver Setting		<ul style="list-style-type: none"> ● Set up the opening or closing ● Set up the time
	Edging Statistics		<ul style="list-style-type: none"> ● Roughing Statistics ● Bevel & Rimless Grinding Statistics ● Bevel & Rimless Polishing Statistics <p>(Users can only clear the last column of data)</p>

 Submenu Introduction			
Icon	Paraphrase	Interface Display	Function Introduction
	Clock and Language settings		<ul style="list-style-type: none"> ● Set up date format ● Set up date ● Language Choice: Chinese/English

Edged Lens Size Adjustment (reset sizes)

Follow the steps below to adjust the sizes.

Step	Action														
1	<p>When you are in Engineer Menu, click on  to enter into Submenu .</p> <p><u>Result:</u> The following screen comes up.</p>														
2	<p>Select  to display the screen in the picture.</p>														
3	<p>Insert a lens with a diameter ≥ 60mm, and press  Clamp Key, then click on  Start Key to edging.</p>														
	<table border="1"> <thead> <tr> <th>Adjustment</th> <th>Lens Type</th> </tr> </thead> <tbody> <tr> <td>1. Mineral roughing</td> <td>Mineral</td> </tr> <tr> <td>2. Plastic roughing</td> <td>Plastic</td> </tr> <tr> <td>3. Finishing Rimless</td> <td>Mineral</td> </tr> <tr> <td>4. Finishing Bevel</td> <td>Mineral</td> </tr> <tr> <td>5. Polishing Rimless</td> <td>Plastic</td> </tr> <tr> <td>6. Polishing Bevel</td> <td>Plastic</td> </tr> </tbody> </table>	Adjustment	Lens Type	1. Mineral roughing	Mineral	2. Plastic roughing	Plastic	3. Finishing Rimless	Mineral	4. Finishing Bevel	Mineral	5. Polishing Rimless	Plastic	6. Polishing Bevel	Plastic
Adjustment	Lens Type														
1. Mineral roughing	Mineral														
2. Plastic roughing	Plastic														
3. Finishing Rimless	Mineral														
4. Finishing Bevel	Mineral														
5. Polishing Rimless	Plastic														
6. Polishing Bevel	Plastic														
4	<p>When the edging is completed, according to system prompt , press  Open Key to take out the lens.</p>														
5	 														

	Measure the diameter of the edged lens with a calliper, and enter the measured value with the keyboard, then press the Enter Key to confirm the size adjustment.
6	When the size adjustment is completed, the system will save your adjustment automatically
7	 Return to Edging Calibration Interface, to select other adjustments by repeating the above operation.
8	Edging size adjustment is finished.

Lens Feelers Adjustment

Follow the steps below to adjust the measurement.

Step	Action
1	When the machine is stopped, click on  Engineer Menu Key. Enter into Engineer Menu Interface to select  .
2	Press  to start
3	According to system prompt, assemble 01# tool 
4	Take off the clamping adaptor, and change for the  tool, then press the  key to confirm.
5	According to system prompt, press the  key to close lens clamping.
6	Press the  key. Result: The adjustment is automatically performing.
7	The clamping will open automatically after finish the adjustment, take off the  tool, and press the  key. So the datas are saved, then come back to Engineer Menu.

Note: This calibration influences the bevel tracking. A calibration performed poorly can induce a bad work quality of the edger.

5. Maintenance

Caution

Do not use any type of spray hose to clean your system. Avoid any heavy splashing or spraying that may cause electrical damage to the system.

Never use chemical solvents, agents or derivatives of such products as:

- Acetone
- Trichlorethylene
- Benzene
- Kerozene
- Lighter Fluid or

Any product that claims “Do not use on plastic or painted surfaces”

Or any product that contains CHLORINE, AMMONIA, SODA.

These products directly or even by their simple vapors:

Might alter the structure and appearance of your system.

Note: Never manipulate the lens feeler pliers located in the edging station.

Supplier does not assume any responsibilities or liabilities for damages caused by errors or omissions.

Cleaning

The dust produced by edging will reduce the sensitivity of electronic devices, so it needs to do cleaning work.

When the screen indicates 0109, the dust on the lifting mechanism shaft needs to be cleaned.

- 1) Open the big shell, take down the key column
Prepare a clean lens cleaner
- 2) Rotate the lifting gear, lower the lifter properly.

- 3) Circumgyrate up the lens stage, clean the parts which are between the bottom of the lens stage and the lifter with a clean cleaner. Make sure it is out of dust or oil stain.



- 4) When the inspection is over, restart the machine, the error is excluded.

Fuse Replacement

<p>1. Turn off the power supply and make sure that the hands are dry and pull out the power plug.</p> <p>2. Unscrew the two M3 screws on the right side of the plate.</p>	
<p>3. After taking off the small cover plate on the right side, you can easily see the status of the power supply board.</p> <p>4. Check the fuse status, if any damage please replace the appropriate specifications.</p>	
<ul style="list-style-type: none"> ● Fuses to be used for 220V edger: 15A , 3A , 8A ● Fuses to be used for 110V edger: 30A , 3A , 8A 	

Edger Fault Code (Edging)

Error code	Cause
0103	Edging pressure sensor has no change
0104	Camber coder has regulation resistance's testing trouble
0105	Clamping electric motor has tighten trouble
0106	Clamping electric motor has loosen trouble
0107	Bending mechanism cannot test closing
0108	Bending mechanism cannot test opening
0109	Raise and down to the destinated position is in trouble
0110	Raise and down's switch fault or motor in trouble
Error code	Cause
0112	Translational to the destinated position is in trouble
0113	Translational switch fault
0114	Whril reached pointe position is timeout
0201	Downward shift is torn off when it is in initialization
0202	Upward shift is blocking when it is in initialization
0203	Raise and down's switch fault or motor in trouble
0204	Translational switch fault

Specifications

Specifications: FE-600

Edging

<ul style="list-style-type: none"> ● Automatic Initialization ● Lens front and rear face tracing: 3D ● Equipment <ul style="list-style-type: none"> * Roughing Glass Edging * All Plastic Edging (CR39, High Index, Polycarbonate) * Bevel/Rimless Finishing Edging * Bevel/Rimless Polishing Edging ● Automatic Clamping Pressure ● Edging pressure controlled according to lens material ● Graphics storage 	<ul style="list-style-type: none"> ● Convenient Water Connection ● Lens Edging Diameter: <ul style="list-style-type: none"> * ≤ to 80mm * Rimless: 17.75mm * Bevel: 19.50mm ● Drain Size: Ø 100mm ● Water Supply Pressure: from 4 to 7 bars ● Network Connection
--	---

FE-600 Specifications

<ul style="list-style-type: none"> ● Dimensions: <ul style="list-style-type: none"> * Width: 650mm * Depth: 450mm * Height (visor close): 470mm ● Weight: 59kg ● Power Supply: 220V/50HZ 110V/60HZ ● Power Consumption: 800 W ● Pollution Degree: 2 ● Installation Category: II ● Ambient Temperature: 13°C to 35°C ● Relative Humidity: 10% to 80% ● Maximum Water Pressure: 7 Bar ● Maximum Water Pressure (with pump): 7 Bar ● Output of Pump Outlet: <ul style="list-style-type: none"> * 220V: Supply Voltage * 60 W & 55 W : Power available (for the pump) ● Fuses to be used for 220V edger: 15A , 3A , 8A ● Fuses to be used for 110V edger: 30A , 3A , 8A
--

List of Accessories and Consumables

Accessories

S/N	Accessories name	Specs.	Quantity
1	Tool box	Box	1
2	Adhesive pads	Box	1
3	FE-600 User manual	Book	1
4	FE-600 Operation flowchart	Pcs	1

List of tool box accessories

S/N	Accessories name	Specs.	Quantity
1	Lens clamping adaptor ϕ 19mm	Mediums mode	4
2	Lens clamping adaptor ϕ 17mm	Small mode	4
3	Lens clamping cushion ϕ 19mm	Mediums mode	1
4	Lens clamping cushion ϕ 17mm	Small mode	1
5	Acetabula	Mediums mode	6
6	Acetabula	Small mode	4
7	Fixing cover set	Mediums mode	1
8	Lens clamper		1
9	Fuse 15A	ϕ 6*30mm	2
10	Fuse 8A	ϕ 5*20mm	2
11	Fuse 5A	ϕ 5*20mm	2
12	Fuse 3A	ϕ 5*20mm	2
13	Burnishing stick		1
14	Key 6 facets	1.5---6mm (set)	1
15	Flat glass lens (used in wheel blocking)	Thickness 2.5mm	10
16	Downpipe hoop		1
17	Machine rack adjustment tool	01# tool	1
18	Resistance pen		1

List of water tank accessories

S/N	Accessories name	Specs.	Quantity
1	Plastic water case		1
2	Pump		2
3	Rainspout	ϕ 100*800mm	1
4	Filter		1
5	Water inlet		2
6	Lens		10pcs



Fiscal Year 2022

FDA Registration Confirmation

Manufacturer: SHANGHAI TOP VIEW INDUSTRIAL CO.,LTD

Address: No.3388 GongHeXin Road,JingAn Shanghai , CN 200436

US Agent: Regrek LLC

Address: 19 Holly Cove Ln.,Dover, Delaware, 19901, UNITED STATES

The facility registration and device listing information:

Registration Number:3012707847 **Owner/Operator Number:** 10059986

Device Listing#: See annex

This attestation does not denote endorsement or approval of the attestation-holder's device or establishment by the U.S. Food and Drug Administration.

Pursuant to 21 CFR 807.39, "Registration of a device establishment or assignment of a registration number does not in any way denote approval of the establishment or its products. Any representation that creates an impression of official approval because of registration or possession of a registration number is misleading and constitutes misbranding." The U.S. Food and Drug Administration does not issue an attestation of registration, nor does the U.S. Food and Drug Administration recognize an attestation of registration.


Authorized Signature(s)

Signature:

Place: China/ Shanghai

Expiration Date: Dec. 31. 2021



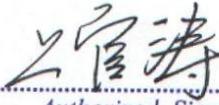
FDA Registration Confirmation

ANNEX:

Listing No	Code	Device Name
D345115	HKO	Refractometer, ophthalmic (TPV800 handheld refractor; TPV series auto refractometer)
D345116	HKN	Refractor, manual, non-powered, including phoropter (phoropter)
D345117	HKZ	Sterilizer, tonometer (TPV500 tonometer)
D345118	PJZ	Camera, ophthalmic, general-use (Hand-held Fundus Camera; TPV series Digital Fundus Camera)
D345119	PUE	Biomicroscope, slit-lamp, AC-powered, exempt (TPV series slit lamp)
D345120	HRJ	Table, instrument, powered, ophthalmic (Ophthalmic unit)
D345121	HLM	Instrument, measuring, lens, ac-powered (TPV series lens meter)
D345122	HPA	Frame, trial, ophthalmic (trial frame)
D345123	HPC	Set, lens, trial, ophthalmic (trial lens set)
D345124	HOX	Chart, visual acuity (visual charter)
D345125	HPT	Perimeter, automatic, ac-powered (perimeter)
D345341	HOS	Projector, ophthalmic (projector charter)
D345342	HLH	Pupillometer, manual (pupillometer)
D345343	HRM	MICROSCOPE, OPERATING & ACCESSORIES, AC-POWERED, OPHTHALMIC (operating microscope)

D345344	KZA	DEVICE, VEIN LOCATION, LIQUID CRYSTAL (vein finder)
D366893	HLJ	Ophthalmoscope, battery-powered (ophthalmoscope retinoscope)
D366894	MDM	INSTRUMENT, MANUAL, SURGICAL, GENERAL USE (ophthalmic surgical instrument)
D366895	MMQ	Topographer, corneal, ac-powered (cornealtopographer)

END OF THE ANNEX

 CEO
Authorized Signature(s)

Signature:

Place: China/ Shanghai

Expiration Date: Dec. 31. 2021



Alibaba.com verified Supplier



Assessment Report

Presented to

Shanghai Top View Industrial Co., Ltd.

上海拓扑威实业有限公司

Gold Supplier & Assessed Company Relationship:	<input checked="" type="checkbox"/> Self-owned <input type="checkbox"/> Wholly Owned <input type="checkbox"/> Shareholder/Partner <input type="checkbox"/> Cooperation Partner
Company Address	Room 906, Yongding Plaza, No. 3388, Gonghe New Road, Jingan District, Shanghai, China
City / Country:	Shanghai / China
Consigner of Assessment:	Alibaba
Gold Supplier Member ID:	shtopview
Gold Supplier Company Name:	Shanghai Top View Industrial Co., Ltd.
Contact Person:	Mr. Tao Shangguan
Phone Number:	0086-21-61178155
Fax Number:	N/A
Email:	info@shtopview.com
Website Address (URL):	https://shtopview.en.alibaba.com

Service Provided by Intertek

Report No.: 22069995_T





Alibaba.com Verified Supplier
Assessment Report

Report No.: 22069995_T

Report Number:	22069995_T	Assessment Type	Trading Assessment
Date of Assessment:	31/Aug./2021	Report Date:	31/Aug./2021
Assessor's Name:	Zad Zhang	Validity Period:	01/Sep./2021 - 31/Aug./2022
Reviewed By:	Mack Long	Online Verification:	https://www.intertek.com.cn/ASVService/Home/IndexCN

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Section 1: Company Overview

Company Overview			
1.1 Legal Validity			
Does the company have a valid business license?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Business License Number:	9131011506602810 2F
Year Established:	18/Apr./2013	Validity Period:	18/Apr./2013- 17/Apr./2033
Export Experience:	8 Years	Industry Experience:	8 Years
Registered Address:	Room 150, Building 3, No. 2558, Zhouzhu Road, Pudong New Area, Shanghai, China		
Company Address:	Room 906, Yongding Plaza, No. 3388, Gonghe New Road, Jingan District, Shanghai, China		
Is It Listed Company?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Company Stock Code:	N/A
Annual review conducted by the Industrial & Commercial Bureau?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reviewed By:	Market Supervision Administration Bureau of Pudong New Area, Shanghai
Registered Capital:	RMB 2,000,000		
Corporate Representative:	Mr. Tao Shangguan		
Industry:	Optical Instrument		
Business Type:	<input type="checkbox"/> Manufacturer <input checked="" type="checkbox"/> Trading Company <input type="checkbox"/> Manufacturer & Trading Company		
Type of Ownership:	<input checked="" type="checkbox"/> Private Owner <input type="checkbox"/> Public Company <input type="checkbox"/> Joint Venture <input type="checkbox"/> Stated Owned <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other		
Products /Service:	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer		
1.2 Company Building Information			
Certification Type:	<input type="checkbox"/> Land Certification <input type="checkbox"/> Real Estate Certification <input checked="" type="checkbox"/> Lease Agreement <input type="checkbox"/> Factory Officer Claimed		
Total Building Size:	<u>326</u> m2		
Office Size:	<u>326</u> m2		



Section 2: Human Resources

Human Resources				
2.1 Company Chart				
<pre>graph TD; GM[GM] --- Marketing[Marketing Dept.]; GM --- Sales[Sales Dept.]; GM --- Finance[Finance Dept.]; GM --- Admin[Admin Dept.];</pre>				
2.2 Employee Headcount				
Department Name	Full Time Employee(s)	Part-Time Employee(s)	Total	
GM	1	0	1	
Marketing Dept.	4	0	4	
Sales Dept.	8	0	8	
Finance Dept.	1	0	1	
Admin Dept.	1	0	1	
Total Number:	15	0	15	
2.3 Management				
Department	Name	Title	Education	Year(s) in Current Company
Confidential	Confidential	Confidential	Confidential	Confidential



Section 3: Current Export Situation

Current Export Situation							
There are <u>8</u> foreign trading employee(s) in the company.							
Working Experience	Headcount	Accepted Language	Listening & Speaking	Reading & Writing			
Over 30 Years	0	English	Yes	Yes			
21-30Years	0	N/A	N/A	N/A			
11-20 Years	0	N/A	N/A	N/A			
6-10 Years	0	N/A	N/A	N/A			
2-5 Years	8	N/A	N/A	N/A			
Less than 2 years	0	N/A	N/A	N/A			
Does the company have a valid export license?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Export License Registration No.:			01314518				
Total Revenue (Previous Year, USD):			Confidential				
Total Export Revenue (Previous Year, USD):			c				
Estimated Export Revenue (Current Year, USD):			Confidential				
Trade Agents Employed Overseas:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Nearest Port:			Shanghai Port				
Accepted Payment Terms			<input checked="" type="checkbox"/> FOB <input checked="" type="checkbox"/> CIF <input checked="" type="checkbox"/> EXW <input checked="" type="checkbox"/> CFR				
Accepted Payment Type:			<input checked="" type="checkbox"/> L/C <input checked="" type="checkbox"/> T/T <input checked="" type="checkbox"/> Credit Card <input checked="" type="checkbox"/> Cash <input checked="" type="checkbox"/> West Union <input checked="" type="checkbox"/> Money Gram <input checked="" type="checkbox"/> Paypal <input checked="" type="checkbox"/> Moneybookers				
Average lead time from product order confirmation to production delivery (products exiting the factory):							
Product Category	Num	Unit					
Auto Lens Meter	3	Days					
Slit Lamp	3	Days					
3D Auto Lens Edger	3	Days					
Rebound Tonometer	3	Days					
Auto Refractometer	3	Days					
Average Sampling Time							
Product Category	Lead Time						
Auto Lens Meter	3 Days						
Slit Lamp	3 Days						
3D Auto Lens Edger	3 Days						



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Rebound Tonometer	3 Days
Auto Refractometer	3 Days
The Shortest Sampling Time	
Product Category	Shortest Lead Time
Auto Lens Meter	3 Days
Slit Lamp	3 Days
3D Auto Lens Edger	3 Days
Rebound Tonometer	3 Days
Auto Refractometer	3 Days



Section 4: Export Business Capacity

Export Business Capacity			
4.1 Market Distribution (Previous 12 Months)			
Market	Main Product(s)	Revenue (USD)	Total Revenue (%)
North America	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5
South America	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	50
Eastern Europe	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	2
Southeast Asia	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5
Africa	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5
Oceania	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	2
Mid East	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5
Eastern Asia	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5
Western Europe	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	10
Central America	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	2



Northern Europe	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	2
Southern Europe	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	2
South Asia	Auto Lens Meter, Slit Lamp, 3D Auto Lens Edger, Rebound Tonometer, Auto Refractometer	Confidential	5

4.2 Main Clients

Client Name	Main Product(s)	Total Revenue (%)
Confidential	Confidential	Confidential



Section 5: Quality Assurance

Quality Assurance						
5.1.1 Quality Management System Certification						
Certification	Certified By	Certificate No.	Business Scope	Validity Date		
N/A	N/A	N/A	N/A	N/A		
5.1.2 Product Certification						
Certification	Certified By	Certificate No.	Product Name & Model No.	Validity Date		
N/A	N/A	N/A	N/A	N/A		
5.2 Supplier Management						
Item	Content	Observations /Comments				
5.2.1	Does the company have a supplier assessment procedure?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
5.2.2	Does the company have an updated list of approved suppliers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
5.2.3	Has the company established and implemented a standard procedure for purchasing contract review and approval?	<input checked="" type="checkbox"/> Yes, with written standard procedures <input type="checkbox"/> Yes, with written procedure but lack of consistent standard <input type="checkbox"/> No				
5.2.4	Does the company keep its supplier assessment reports?	<input checked="" type="checkbox"/> Yes, assessment reports are available for more than 3 years <input type="checkbox"/> Yes, assessment reports are available for the last 1-3 years <input type="checkbox"/> Yes, assessment reports are available for the previous 12 months <input type="checkbox"/> No				
5.2.5	Are the company's purchasing documents sufficient to ensure product safety control and their customers' requirements?	<input checked="" type="checkbox"/> Yes, the purchasing document includes all the information required <input type="checkbox"/> Yes, however the purchasing document includes incomplete information <input type="checkbox"/> No				
5.2.6	Is there a procedure to conduct random product inspections after final packaging?	<input checked="" type="checkbox"/> Yes, with clear standard and written inspection records <input type="checkbox"/> Yes, with inspection records but no procedures <input type="checkbox"/> Yes, with procedures but no inspection records <input type="checkbox"/> No, inspections are not necessary				
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5.3 After Sales Service		
Item	Content	Observations /Comments
5.3.1	Is customer feedback, including complaints, clearly recorded and maintained?	<input checked="" type="checkbox"/> Yes, with a standard feedback form and records <input type="checkbox"/> Yes, with a standard feedback form but no records <input type="checkbox"/> Yes, with records but no standard feedback form <input type="checkbox"/> No
5.3.2	Are there any clear procedures for handling customer complaints?	<input checked="" type="checkbox"/> Yes, with clear procedures and written records <input type="checkbox"/> Yes, with clear procedures but no written records <input type="checkbox"/> Yes, with written records but no clear procedures <input type="checkbox"/> No
5.3.3	Is there a closed-loop corrective action system in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.3.4	Can finished/package products be traced by lot identification to the appropriate raw material test reports?	<input checked="" type="checkbox"/> Yes, with procedures to trace raw materials <input type="checkbox"/> Yes, main raw material can be traced <input type="checkbox"/> No, only the production date can be traced <input type="checkbox"/> No
5.3.5	Is there a product alert and recall procedure?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.3.6	Do you have a complete after sales service capability?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.4 Overseas After Sales Service		
5.4.1	Is it possible to provide expatriate engineer services?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.4.2	If possible provide expatriate engineer, what kind of onsite after-sales services are included?	<input checked="" type="checkbox"/> Debugging <input checked="" type="checkbox"/> Maintain <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Other



Section 6: R & D Capacity

R&D Capacity				
6.1 Current Situation				
There is <u>0</u> R&D engineer(s) in the company.				
Education Level	Headcount		Work Experience	Headcount
Doctorate	0		Over 30 Years	0
Post-Graduate	0		21-30 Years	0
Graduate	0		11-20 Years	0
Junior College	0		6-10 Years	0
Technical School	0		2-5 Years	0
High School	0		Less than 2 years	0
Patent Situation				
Patent No.	The Name of the Patent		The Patent Type	Available Date
N/A	N/A		N/A	N/A
Brand Situation				
Registration/ap plication No.	Brand Name	For Approval to Use Goods	Validity Date	Ref.
27928760	Refer to Photo	Category: 9	14/Nov./2018-13/Nov./2028	Photo in Section 8 (Trademark Photos)
The Average Time For New Products Launched				
Product Category		Num	Unit	
N/A		N/A	N/A	
The Shortest Time For A New Item Launched				
Product Category		Num	Unit	
N/A		N/A	N/A	
Does the company provide ODM service for others?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Are there relevant design input/output, review, and verification documents available for the assessment company?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Based on inspection, are R & D employees equipped with adequate specialized equipment?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If yes, please list all key equipment used:		N/A		



Do R& D employees use any specific software for designing new products?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, please list the main software used:	N/A
Please list all certifications and/or qualifications of the R & D department:	N/A
Has the company established standard design procedures for new products?	<input type="checkbox"/> Yes, with clear written instructions <input type="checkbox"/> Yes, without written instructions <input checked="" type="checkbox"/> No
Have the designed products been internal verified or validated?	<input type="checkbox"/> Yes, with clear written records <input type="checkbox"/> Yes, only part written records <input type="checkbox"/> Yes, without written records <input checked="" type="checkbox"/> No
Have the designed products been tested by a third-party inspection body?	<input type="checkbox"/> Yes, all designed products have been tested <input type="checkbox"/> Yes, only part of designed products have been tested <input checked="" type="checkbox"/> No
Are the designed products confirmed by the customers?	<input type="checkbox"/> Yes, all designed products have been confirmed <input type="checkbox"/> Yes, part of designed products have been confirmed according to client's requirements <input checked="" type="checkbox"/> No
Does the company has qualification requirements for designers?	<input type="checkbox"/> Yes, with written job description <input type="checkbox"/> Yes, without written job description <input type="checkbox"/> No, but at least two years design experience is needed <input checked="" type="checkbox"/> No
Are the designers' qualifications recognized by the company?	<input type="checkbox"/> Yes, with written records <input type="checkbox"/> Yes, without written records <input checked="" type="checkbox"/> No
What level of design services are provided?	<input checked="" type="checkbox"/> Only add logo/change color/material <input type="checkbox"/> Sample processing <input type="checkbox"/> Graphic processing <input type="checkbox"/> Create an entirely new product
New Products Launched quantity for each year	
Product Category	Num Unit
N/A	N/A N/A
6.2 R&D Real Case Description	
Customer's Name	N/A



Customer's Location	N/A	
Customer's Industry:	N/A	
Order's Requirement Description:	N/A	
6.3 Design Process		
Process 1	Process 2	Process 3
N/A	N/A	N/A
Description: N/A	Description: N/A	Description: N/A
6.4 Design Devices		
Device 1	Device 2	Device 3
N/A	N/A	N/A



Section 7: Company Development / Expansion Plans

Company Development / Expansion Plans		
Item	Company Development Action	Timeframe
1	The organization is going to develop more markets.	1 Year



Section 8: Certification & Photos

Certification & Photos

Certification & Photos -- Business License (Original)



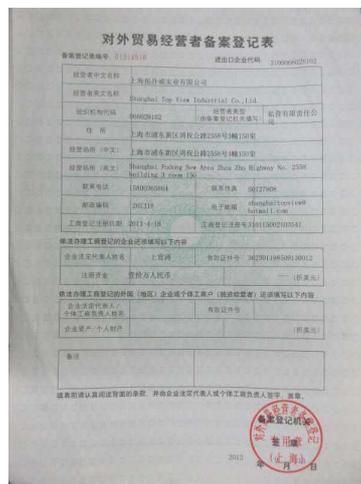
Certification & Photos -- Business License (Duplicate) with Certificate / Records of Annual Inspection



Certification & Photos -- Permit for Opening Bank Account

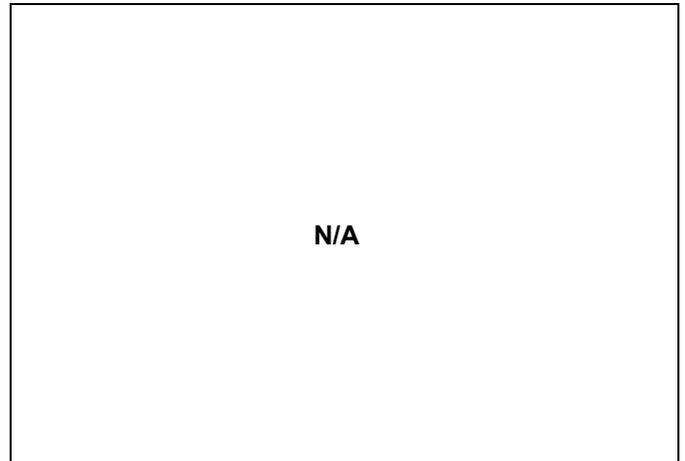
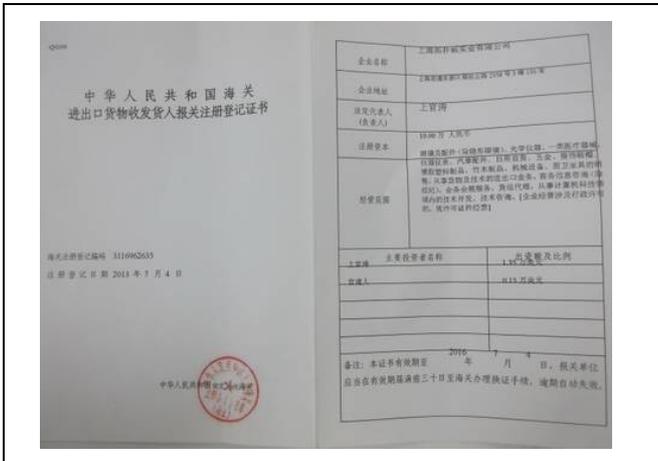


Certification & Photos -- Import and Export Enterprise Registration



Certification & Photos -- Custom Clearance Registration Form

Certification & Photos -- N/A



N/A

Patent Photos

Certification & Photos -N/A

Certification & Photos -N/A

N/A

N/A

Product Certification Photos

Certification & Photos --

Certification & Photos --

N/A

N/A

Quality Management System Certification Photos

Certification & Photos --

Certification & Photos --

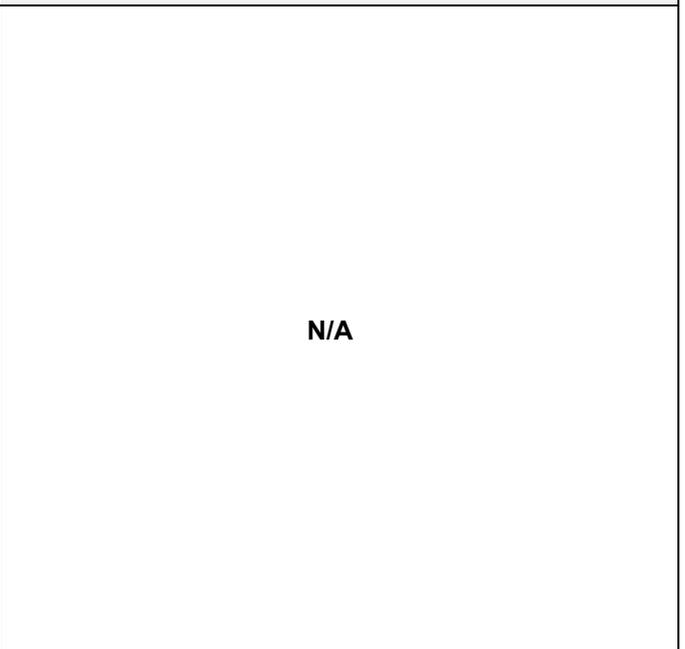
N/A

N/A

Trademark Photos

Certification & Photos -- Trademark

Certification & Photos -- N/A



N/A

Section 9: Company and Product Samples

Company and Product Samples	
Company Gate	Office
 <p>A photograph of the company's entrance. The wall features a large sign with the logo 'SHTOPVIEW' in blue and black, the Chinese characters '上海拓扑威实业' (Shanghai Top View Industrial Co., Ltd.), and the English name 'SHANG HAI TOP VIEW INDUSTRIAL CO., LTD.' below it.</p>	 <p>A photograph of the company's office. Several employees are seated at desks with computers, working in a bright, modern office environment with large windows.</p>
Product Sample- Auto Lens Meter	Product Sample- Slit Lamp
 <p>A photograph of an automatic lens meter, a white and grey device used for measuring the curvature of lenses.</p>	 <p>A photograph of a slit lamp, a specialized microscope used by ophthalmologists to examine the structures of the eye.</p>
Product Sample-3D Auto Lens Edger	Product Sample- Rebound Tonometer



Product Sample- Auto Refractometer



N/A



N/A



Section 10: Competitive Advantages

10.1 Product Group Capacity		
10.1.1 Products Sold (Within 12 Months)		
Products Name	Quantity	Revenue (USD)
Auto Lens Meter	400 Sets	Confidential
Slit Lamp	150 Sets	Confidential
3D Auto Lens Edger	70 Sets	Confidential
Rebound Tonometer	300 Sets	Confidential
Auto Refractometer	500 Sets	Confidential
10.1.2 Suppliers Cooperated With (Within 12 Months)		
No. of cooperation suppliers (total)	Confidential	
No. of suppliers (which cooperated over 2 times)	Confidential	
No. of provinces which cooperation suppliers belong to	Confidential	
Would the company like to provide design solution service for integration project?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, these projects include	According to client requirement	
Would the company like to provide a total solution for purchasing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Part, _____ <input type="checkbox"/> No	
If yes, please describe it	According to client requirement	
10.1.3 Real Case Description:		
Customer Name	Confidential	
Customer Country	Confidential	
Customer Region	Confidential	
Products Category	Confidential	
Order Value (USD)	Confidential	
Order Processing Process	Confidential	
Customer's Feedback	Confidential	
10.2 Real Case for Lower MOQ & Lead Time		
Products Name	MOQ (In the last 12 Months)	Shortest Lead Time
Auto Lens Meter	Confidential	Confidential
Slit Lamp	Confidential	Confidential
3D Auto Lens Edger	Confidential	Confidential
Rebound Tonometer	Confidential	Confidential



Auto Refractometer	Confidential	Confidential
MOQ (In the last 12months)	<input checked="" type="checkbox"/> Less than 10 <input type="checkbox"/> 10-20 <input type="checkbox"/> 20-50 <input type="checkbox"/> 50-100 <input type="checkbox"/> 100-300 <input type="checkbox"/> More than 300	

10.3 Real Case for Large Contract

Products Name	Order (In the past 12 Months)	Shortest Lead Time
Auto Lens Meter	Confidential	Confidential
Slit Lamp	Confidential	Confidential
3D Auto Lens Edger	Confidential	Confidential
Rebound Tonometer	Confidential	Confidential
Auto Refractometer	Confidential	Confidential

10.4 Overseas after-sales service capacity

If yes, what onsite after-sales services are included	N/A
Equipment -installation, maintenance and other services	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Technical advice	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Personnel training	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other:	N/A
Average response time:	
Num	Unit
N/A	N/A

10.5 After-sales service capacity

Average Guarantee Time		
Product Category	Num	Unit
Auto Lens Meter	1	Year
Slit Lamp	1	Year
3D Auto Lens Edger	1	Year
Rebound Tonometer	1	Year
Auto Refractometer	1	Year
The Longest Guarantee Time		
Product Category	Num	Unit
Auto Lens Meter	1	Year
Slit Lamp	1	Year
3D Auto Lens Edger	1	Year



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Rebound Tonometer	1	Year
Auto Refractometer	1	Year
Does the company accept small order?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	



Section 11: Service Capabilities

11.1 Experience with Large-scale Procurement Contracts		
Have you had a procurement contract with a Fortune 500 company?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Do you have an overseas onsite service center?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
The country/region of your overseas service center	N/A	
11.2 Overseas Showroom		
Do you have an overseas showroom?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Country/Region	N/A	
11.3 Offline Trade Show		
Have you participated in offline trade shows?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Tradeshow name	CHINA (SHANGHAI) INTERNATIONAL OPTICS FAIR	Official images from the trade show
Date attended	11/Feb./2020	Confidential
Host Country/Region	Other China	



Section 12: Supply Chain Capability

12.1 Centralized Procurement	
In the past 12 months, have you sold products from at least three sub-categories?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
12.2 Overseas Warehouse	
Do you have an overseas warehouse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Country/Region	N/A

-- End of Report --