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SHTOPVIEW

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℃ ~ +40℃ Humidity 30% ~ 75%
Store: Temperature -5℃ ~ +50℃ Humidity 25% ~ 95%
Altitude: < 2000m

Installation circumstance requirement:
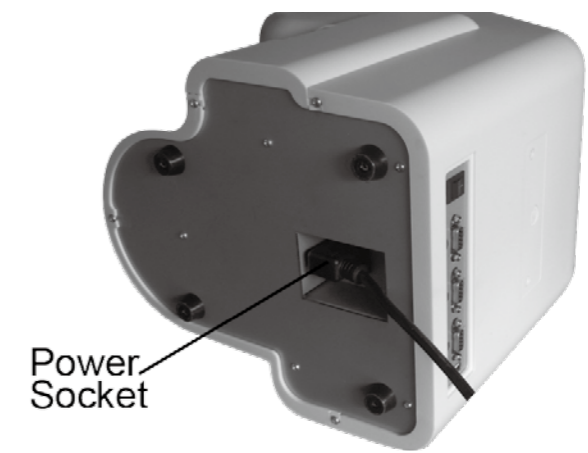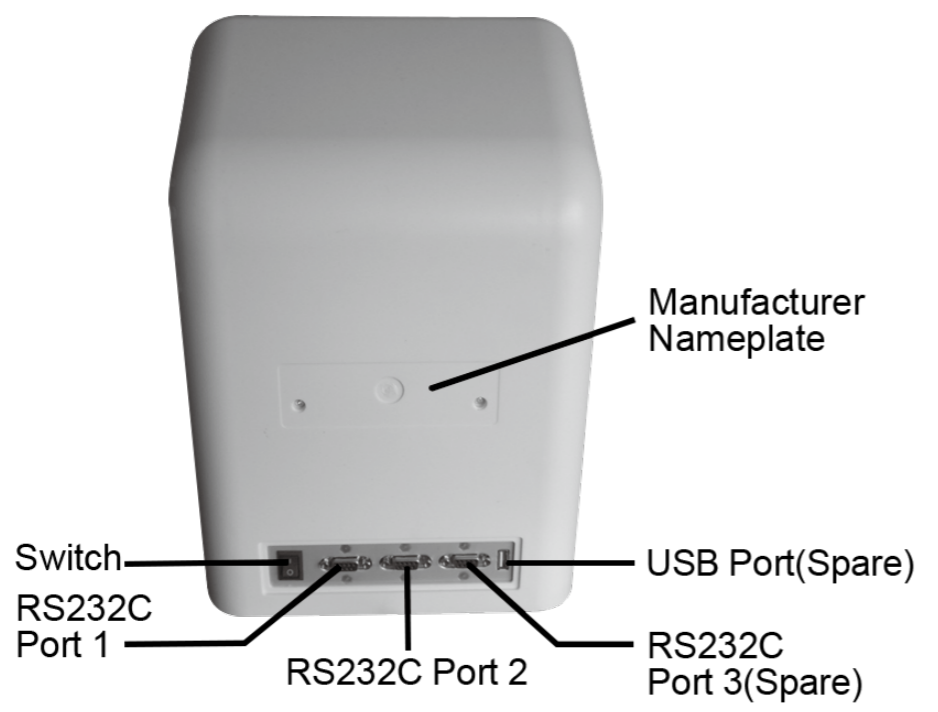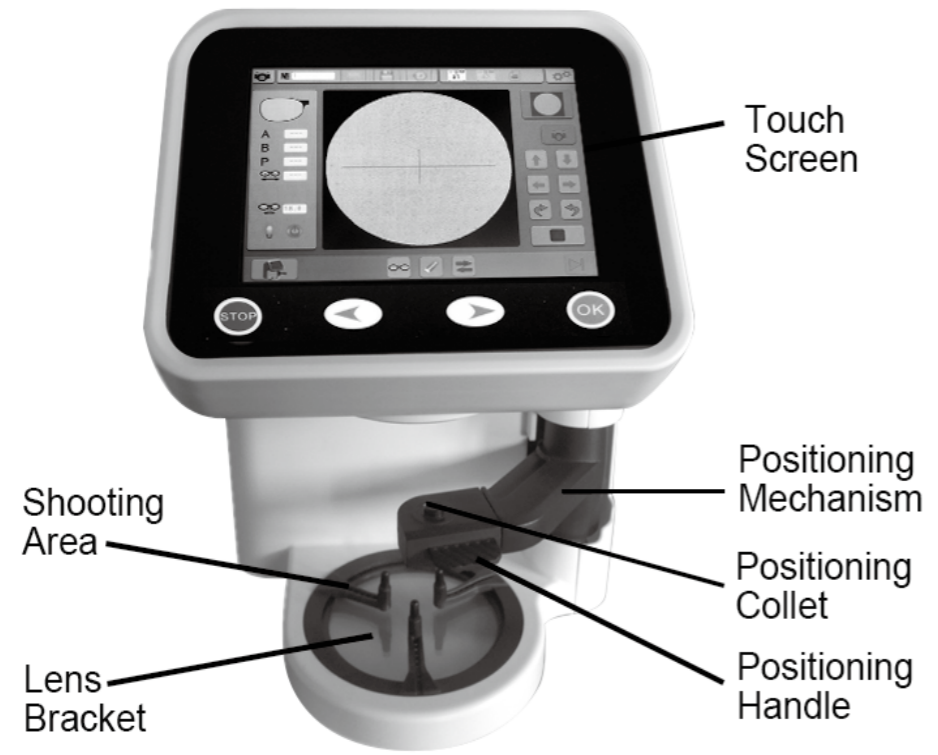Avoid exposure to direct sunlight.
Keep away from heat source.
Keep away from strong electromagnetic source
The device should be connect with reliable circuit, to ensure ground wire.

Catalogue

Profile

Touch Screen

Positioning Mechanism

Positioning Collet

Positioning Handle

Shooting Area

Lens Bracket

Manufacturer Nameplate

Switch

RS232C Port 1

RS232C Port 2

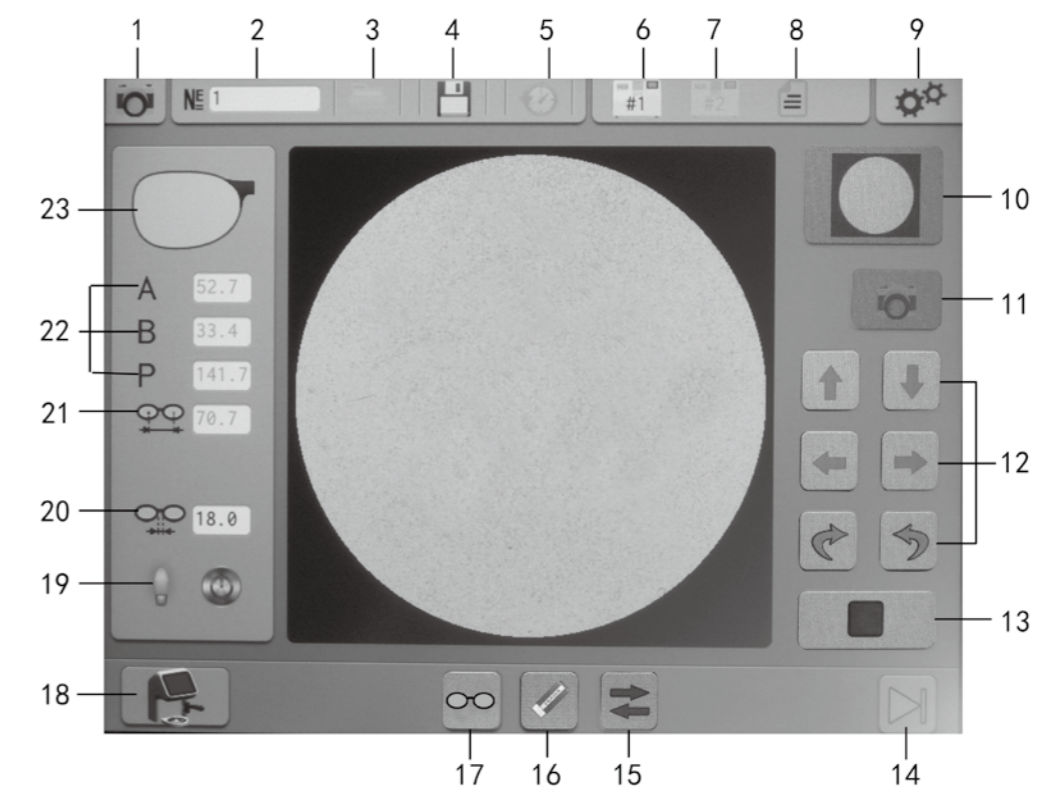USB Port(Spare)

RS232C Port 3(Spare)

Power Socket

Installation

1.Please confirm that the switch is OFF.

2.Please plug the power cable enter the socket of FC-600.

3.Please plug the power cable enter a outlet which has 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	NE	Task Number
3		File (It can save 48 pcs graphs)
4		Save key
5		Historical task
6	#1	Connect machine #1
7	#2	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)

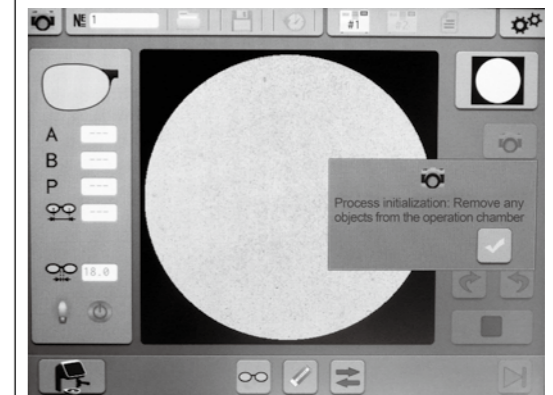Tips: If any stain on the lens of shooting area, it will affect the result of shooting.
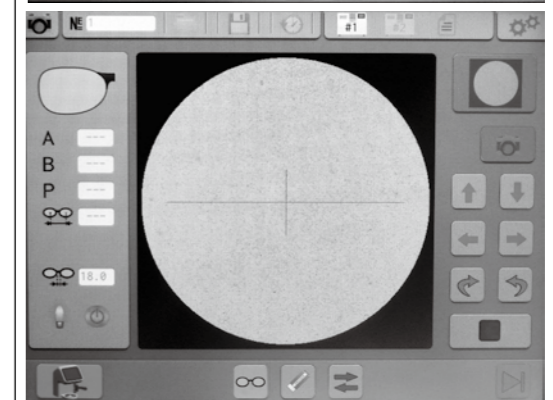

fig.1

fig.2

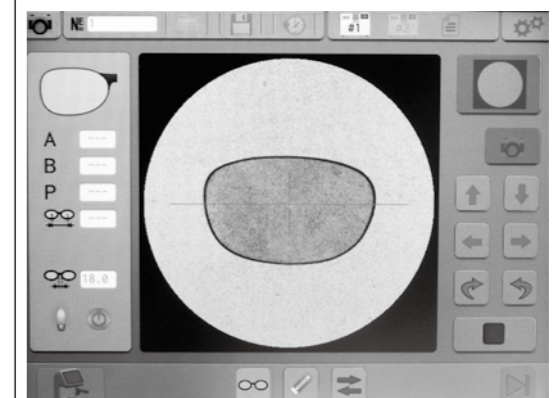3.Put the facing or templet on the shooting area. Try to make the graph in center of cross horizontal. (fig.3)

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.
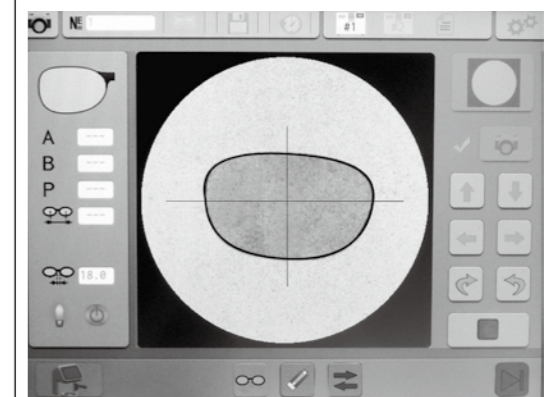
After adjustment, pressend ⬛ key to save.

fig.4

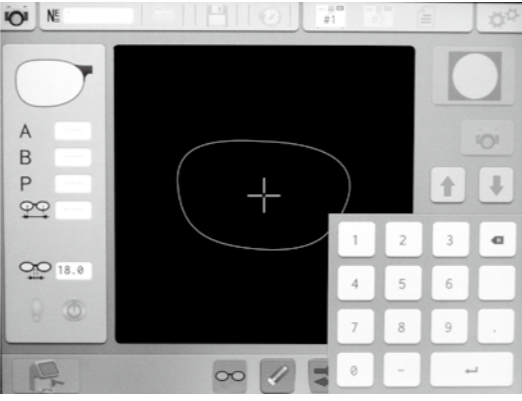| 5.System will automatically jump to fig.5. Take off the facing or templet, empty out the shooting area. Shooting is finished. Input the distance of bridge, then press ↵ return key to confirm. If you need to change the data again, you can click ⊙ input box to change the data.	fig.5

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

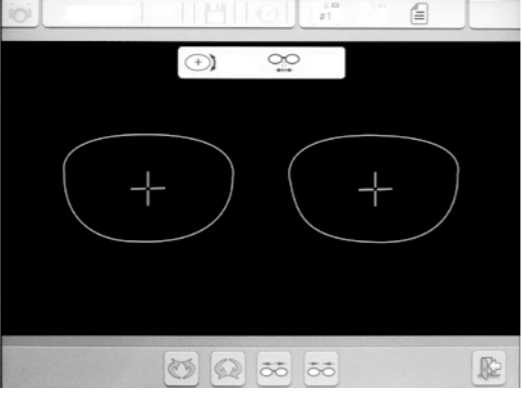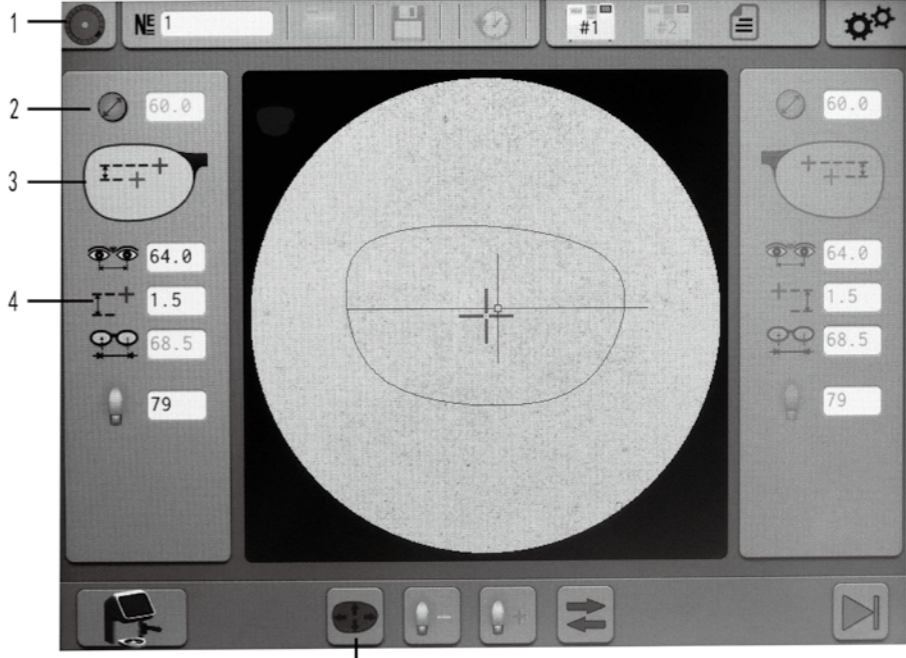| 6. If you want to adjust the double eyes axis and PD of frame. Press the ⟳ enter next interface.(fig.6) 1) Press ↺ ↻ Rotating key to micro-adjust the axis. 2) Press ⊙⊙ ⊙⊙ to micro-adjust the size of bridge. 3) Press ⮐ saving and return to main interface after adjustment.	fig.6

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.
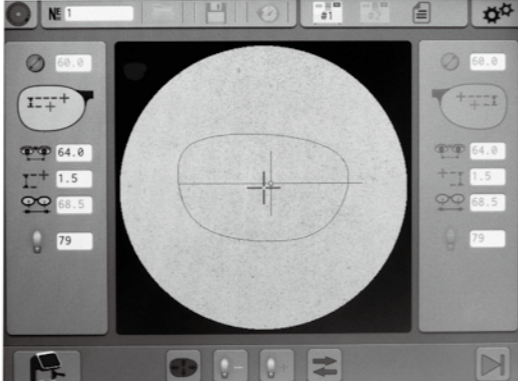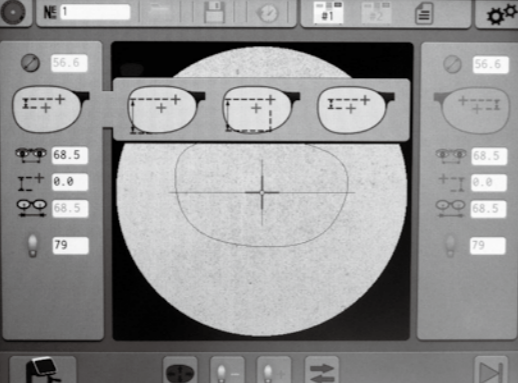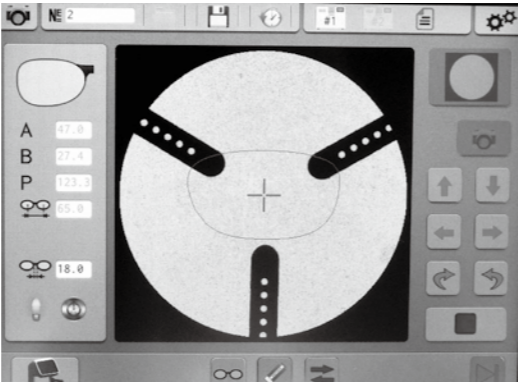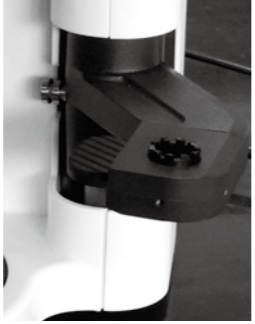
Positioning Interface
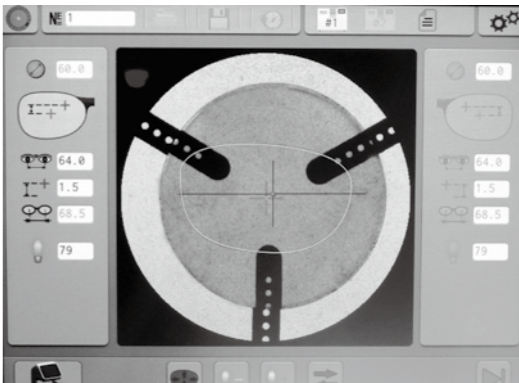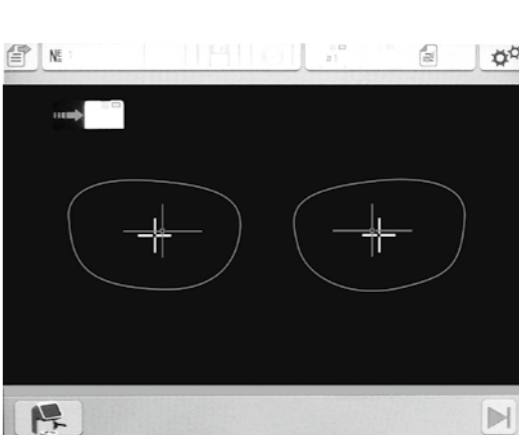
Icon/Function key

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

1. Press ![icon] Function key, select the positioning icon ![icon], system will enter the optic center adjustment positioning interface.	
2. Input the PD data enter ![icon] input box.(fig.a)	fig. a
3.Change the suited mode of pupil height.(fig.b) e.g.: click on ![icon], choose the mode. Then input the pupil height enter ![icon] input box. Tips: In engineering interface, you can set your frequently used mode of pupil height for interface preference.	fig. b
4. Put lens bracket on the shooting area. (fig.c) Tips: The salient of lens bracket should lock with the indentation of shooting area firm.	fig. c
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)	fig. d fig. e

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

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.
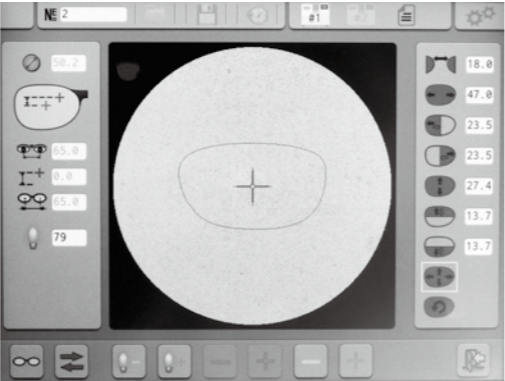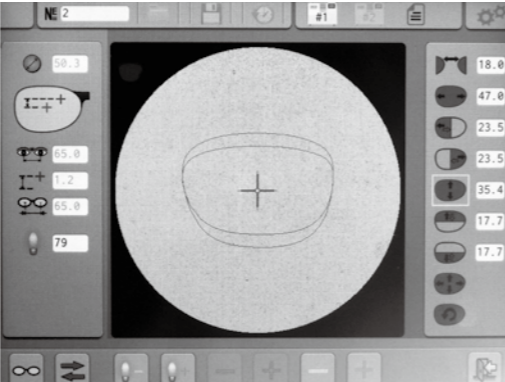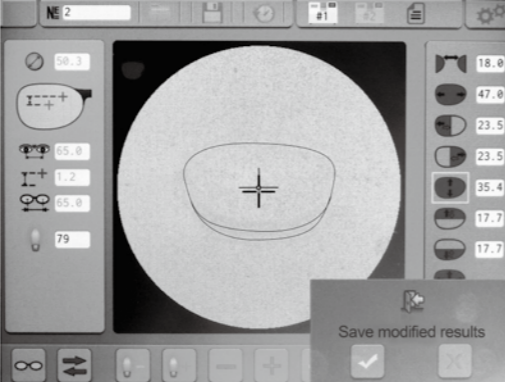
Tips: For edition function, we suggest that operating by professional assemblage person.
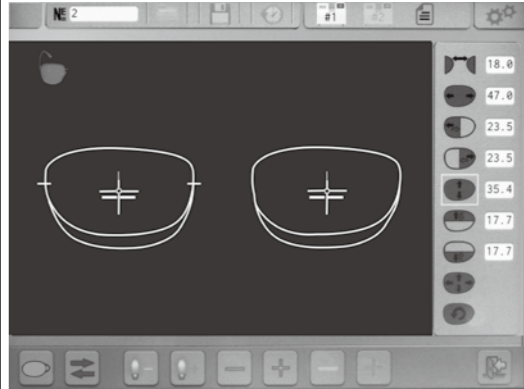
Icon/Function key
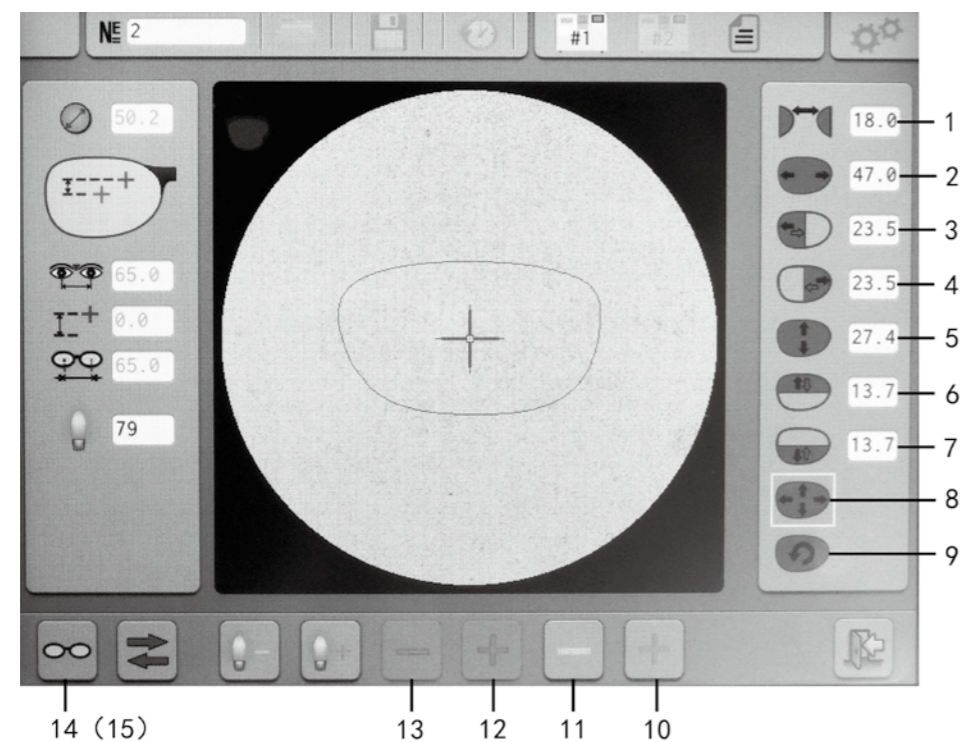
No.	Icon	Description
1		Change the distance of bridge
2		Change the lens's L/R size
3		Start from the baseline, edit the size of lens' left part
4		Start from the baseline, edit the size of lens' right part
5		Change the lens's Upper/Under size
6		Start from the baseline, edit the size of lens' upper 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

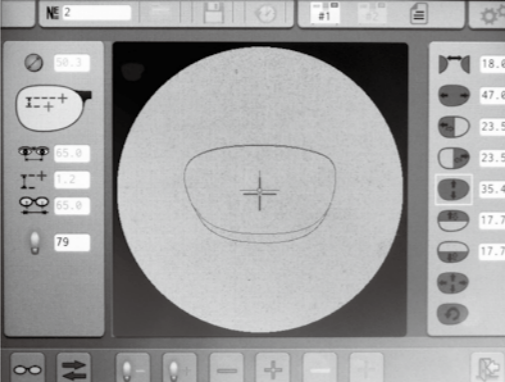|	
	Graphics Edition
Click on ⊙ in positioning interface to enter Graphics Edition.	
1) Choose the kind of graph which need to change on the right of screen. Adjust by ✚ ━ .(fig.B-1) Tips: Icon will has a yellow frame when it be chose.	fig.B-1
2) Editing the part of lens Firstly, sure the place of baseline by ✛ ━ Then adjust by ✚ ━(fig.B-2) Tips: Baseline is displayed as a yellow line on the screen.	fig.B-2
3) Click on 🔙, after editing. According the Tips to Save and return to positioning interface.	fig.B-3

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.

Click on 🔙 to save and return the position interface.

 fig.B-4

Tips: After editing, please notice the distance of bridge ▶◀ if it is changed, please reenter the data.

Return to positioning interface after editing, then enter the distance and height of pupil, position is finished.

Engineering Interface

Click on ⚙ in any main interface, enter Engineering interface.


```
Name:            iCOL
Type:            FC600
Serial Number:   5712771
Version:         6.0.1
```

| 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
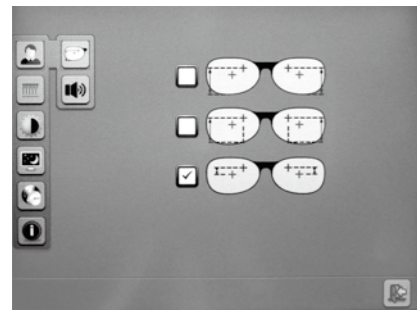
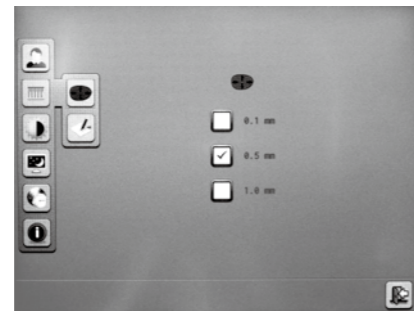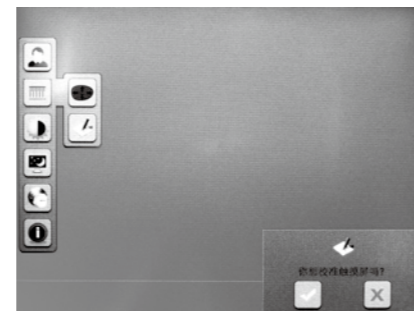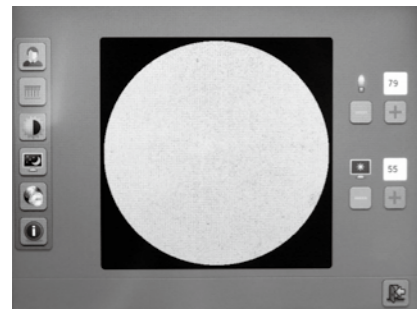fig.1-1　　　　　fig.2-1　　　　　fig.2-2
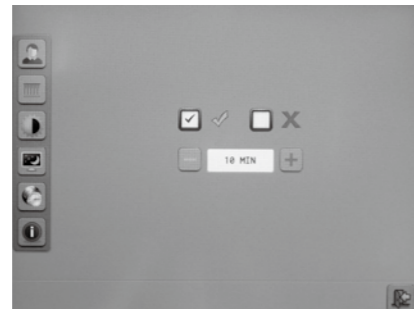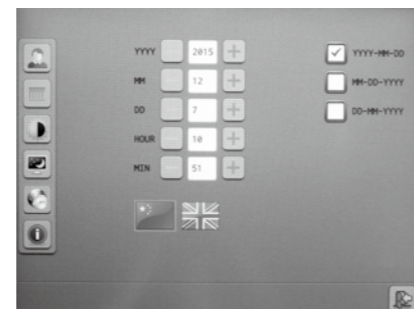
fig.3　　　　　fig.4　　　　　fig.5

Film Management

Click on in Camera interface, enter the File Management.
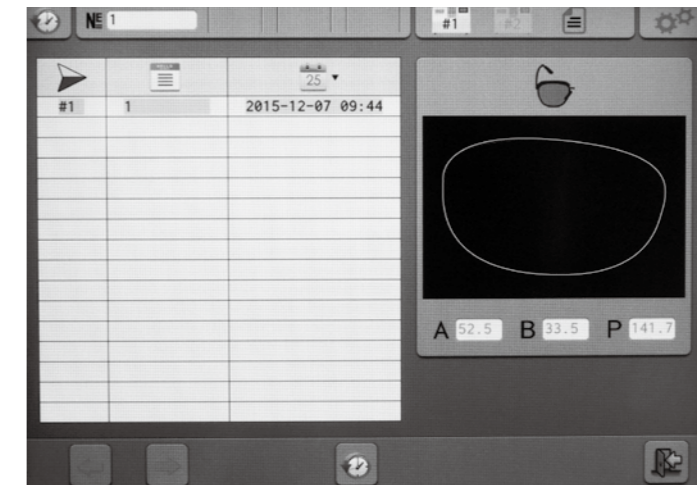
No.	Icon	Description
1	NE	File number
2		File
3		Number
4		File name
5	25	File save date
6		Up page
7		Down page
8		Delete

- ● 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.
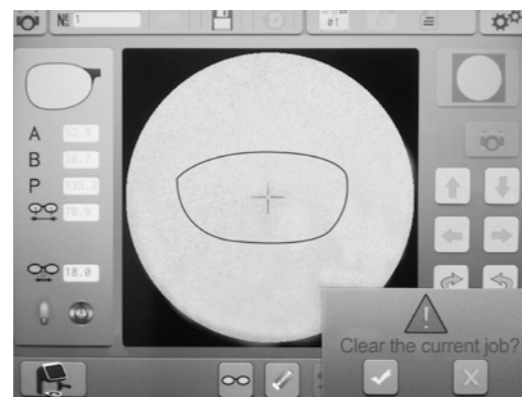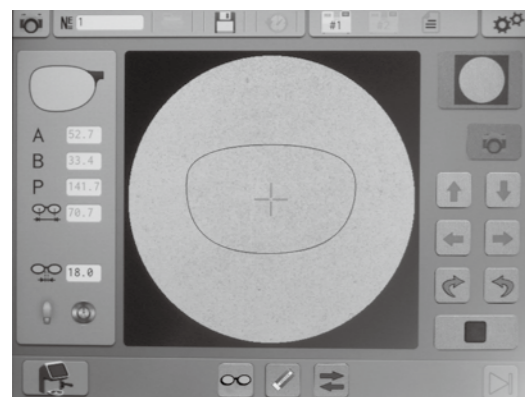
Technical parameter

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.