

Features

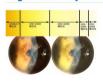
Revolving Drum



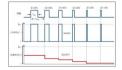


LS-3: 10X,16X,25X LS-4: 6X,10X,16X,25X,40X

Light source system



Warm Light Source daylight color temperature light source with the best color reduction

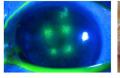


PWM brightness control Using PWM technology to control the brightness of the light source and keep color temperature stability



Continuously adjustable illumination

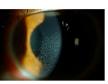
GALLERY

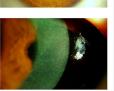
















	LS-3	LS-4	LS-5
Microscope Type	Р	arallel type, Galilean syste	m
Magnification Changer		Revolving drum	
Eyepiece Magnification		12.5X	
Magnification	10X,16X,25X	6X,10X,16	X,25X,40X
Visual Field Diameter	6X:33mm; 10X:2	2mm; 16X:14mm; 25X:8.	5mm; 40X:5.5mm
Illumination Type		Haag Streit Type	
Slit image width	0mm	~ 14mm continuously adj	ustable
Slit image length	1mm	\sim 14mm continuously adj	ustable
Slit aperture size	φ0.2、	φ1, φ3, φ5, φ10, φ	14(mm)
Filter	Heat aborpt	tion, Grey, Redfree (green)	, Cobalt blue
Light Source		Warm LED	
Background illumination		1	Co-axial
Software		/	Adaptive parameters



Ophthalmic Slit-lamp Microscope

SK LS-3&4 Slit Lamp

Operation Instruction Manual

Content

Content · · · · · · · · · · · · · · · · · · ·	
Preface · · · · · · · · · · · · · · · · · · ·	2
Chapter 1 Summary · · · · · · · · · · · · · · · · · · ·	
1.1 Machinery description	
1.2 Usage information · · · · · · · · · · · · · · · · · · ·	3
1.3 Structure Components · · · · · · · · · · · · · · · · · · ·	
1.4 Applicability	
1.5 Points for attention · · · · · · · · · · · · · · · · · · ·	
1.6 Product features · · · · · · · · · · · · · · · · · · ·	4
1.7 Symbolic interpretation · · · · · · · · · · · · · · · · · · ·	4
Chapter 2 System Introduction · · · · · · · · · · · · · · · · · · ·	5
2.1 External view—LS-3&4 slit lamp · · · · · · · · · · · · · · · · · · ·	
Chapter 3 Installation · · · · · · · · · · · · · · · · · · ·	
3.1 Working Environment	6
3.2 Open - package inspection	
3.3 hardware installation · · · · · · · · · · · · · · · · · · ·	
3.3.1 Installation Environment · · · · · · · · · · · · · · · · · · ·	_
3.3.2 Installation instruction · · · · · · · · · · · · · · · · · · ·	_
3.3.2.1 Install platform · · · · · · · · · · · · · · · · · · ·	9
3.3.2.2 Install headrest & chinrest	
Chapter 4 Operation step · · · · · · · · · · · · · · · · · · ·	11
4.1 Preparation for Diopter Compensation and Interocular Distance Adjustment	
4.1.1 Focus bar usage · · · · · · · · · · · · · · · · · · ·	
4.1.2 Illumination part usage · · · · · · · · · · · · · · · · · · ·	11
4.1.3 Diopter Compensation · · · · · · · · · · · · · · · · · · ·	12
4.1.4 Interocular Distance Adjustment	12
4.2 Position of the Patient and usage of fixing lamp	
4.2.1 Fixed head position of Patient	13
4.2.1 Fixed head position of Patient	13 13
4.2.1 Fixed head position of Patient	13 13
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component	13 13 13
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam	13 13 13 14
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam 4.4.2 Change position of light beam	13 13 13 14 14
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam	13 13 13 14 14
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam 4.4.2 Change position of light beam 4.4.3 Deviate light beam 4.4.4 Tilt light beam	13 13 14 14 14 14 15
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam 4.4.2 Change position of light beam 4.4.3 Deviate light beam 4.4.4 Tilt light beam 4.4.5 Reflector	13 13 14 14 14 14 15
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam 4.4.2 Change position of light beam 4.4.3 Deviate light beam 4.4.4 Tilt light beam 4.4.5 Reflector 4.4.6 Select filter	13 13 14 14 14 14 15 15
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam 4.4.2 Change position of light beam 4.4.3 Deviate light beam 4.4.4 Tilt light beam 4.4.5 Reflector 4.4.6 Select filter Chapter 5 Maintenance	13 13 14 14 14 14 15 15 15
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam 4.4.2 Change position of light beam 4.4.3 Deviate light beam 4.4.4 Tilt light beam 4.4.5 Reflector 4.4.6 Select filter Chapter 5 Maintenance 5.1 Equipment interference sources	13 13 13 14 14 14 15 15 15 16
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam 4.4.2 Change position of light beam 4.4.3 Deviate light beam 4.4.4 Tilt light beam 4.4.5 Reflector 4.4.6 Select filter Chapter 5 Maintenance 5.1 Equipment interference sources 5.2 Maintenance	13 13 13 14 14 14 14 15 15 16 16
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam 4.4.2 Change position of light beam 4.4.3 Deviate light beam 4.4.4 Tilt light beam 4.4.5 Reflector 4.4.6 Select filter Chapter 5 Maintenance 5.1 Equipment interference sources 5.2 Maintenance Chapter 6 Transport and Store	13 13 14 14 14 14 15 15 16 16 16
4.2.1 Fixed head position of Patient 4.2.2 Usage of fixing lamp 4.3 Operation of the Pedestal 4.4 Operation of the Lighting Component 4.4.1 Change size of light beam 4.4.2 Change position of light beam 4.4.3 Deviate light beam 4.4.4 Tilt light beam 4.4.5 Reflector 4.4.6 Select filter Chapter 5 Maintenance 5.1 Equipment interference sources 5.2 Maintenance	133 133 144 144 145 155 166 166 199

Preface

We feel deeply honored to get your trust. The instruction including the installation, usage, notice for use, maintenance, transportation and storage. For your security and benefit, please read the <Operation Instruction> as well as all the datum of the instrument carefully before using it.

If the instructions in this manual are carefully followed, we are confident that this product will give you reliable and trouble-free usage.

Please check following accessory before your using:

- 1. Please ensure the instrument accessories consistent with the packing list;
- 2. Please read random files carefully and keep properly.

The pictures in instruction only for your reference purpose. If you have any questions, please feel free to contact our distributor in your area, or directly to us.

Chapter 1 Summary

1.1 Machinery description

The slit lamp is essentially a simple and generally under-used piece of equipment. It consists of an illumination system and a binocular observation system. It's intended for use in eye examination of the anterior eye segment, from the cornea epithelium to the posterior capsule. It is used to aid in the diagnosis of diseases or trauma which affect the structural properties of the anterior eye segment.

1.2 Usage information

- 1.2.1 For your security and benefit, please read the < Operation Instruction > carefully before using it. If you do not operate the instrument according to the Operation Instruction, we shall not take any responsibility.
 - 1.2.2 Use it in darkroom environment.
 - 1.2.3 This device can be used near patient.
- 1.2.4 The voltage must be up to the given standard. If the voltage is not steady, please install a Constant Voltage Regulator. Sunkingdom will not take responsibility for the damage caused by the voltage.
- 1.2.5 Do not use in the inflammable, hot and dusty environment and pay attention to keep it clean and dry; To avoid being damaged by the environment (Damp, Dusty, Liquid, under the sun and so on). Do not let the liquid or any other small objects run into the instrument, otherwise these objects may make the inner parts of the instrument short-circuit, and even make the users get an electric shock or even cause a fire hazard.
- 1.2.6 Without the permission of Sunkingdom or our authorized distributor, do not open the box of the instrument or we will not take the consequences.
- 1.2.7 For better maintainance, please wait for at least 5 seconds to restart the device after turn off.
 - 1.2.8 All components and parts of the device can not be disassemble
 - 1.2.9 Do not touch the surface of lens with hand or hard objects.
- 1.2.10 Install this instrument on the ground where the dip angle is less than 2 degree to avoid toppling over
 - 1.2.11 Choose the cartridge fuse meeting our requirement.
 - 1.2.12 Turn off the main power before replacing the bulb and the cartridge fuse.
- 1.2.13 Turn off the power and cover it with dust guard when you do not use it; If the equipment is not being use and for long-term storage, set up an electric circuit for slitlamp

Three times a week, at least 4 hours each time.

- 1.2.14The main medical electrical equipment is slit lamp, optics body and platform.
- 1.2.15 Check the firm cable joints. The earth cables on the moto-table and the power box must be connected well by the grounding wire.
- 1.2.16 Environmental protection clause: It will pollute the environment if you discard the equipment and the accessories which is breakdown, recall or disposal according to the local laws and regulations.

About the instruction:

- 1.If it breaks down, please read the guide to fix the breakdown. If it does not work yet, please contact us.
 - 2. SunKingdom has the right of interpreting and revising this operation instruction.

1.3 Structure components

It's mainly structure by: illumination part, binocular microscope, headrest, pedestal, operation platform.

1.4 Applicability

For inspecting the illness of anterior segment and intraccular part.

1.5 Points for attention

This instrument is only for ophthalmologists using who have been trained.

1.6 Product features

Equipment safety class I

Application part Type BF

The instrument is intermittent working form

Fusing parts: T2AL 250V

1.7 Symbolic interpretation



Application part Type BF



Dangerous Voltage



Read instruction manual carefully



Power off

1

Power on



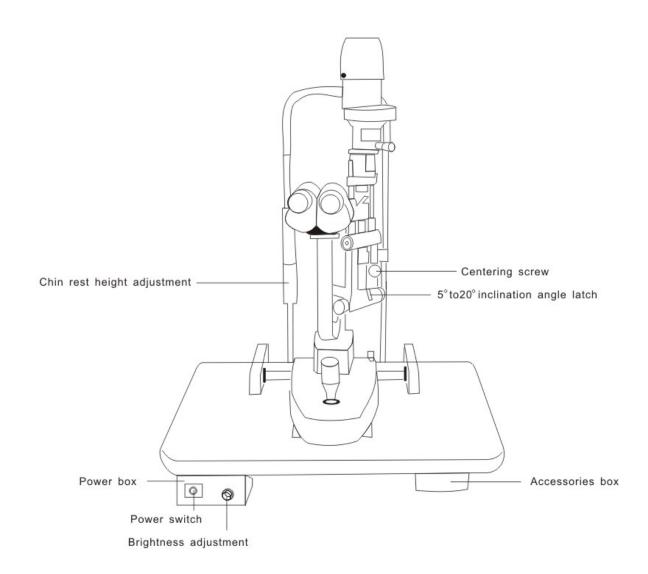
Alternating current

A.C. Alternating current

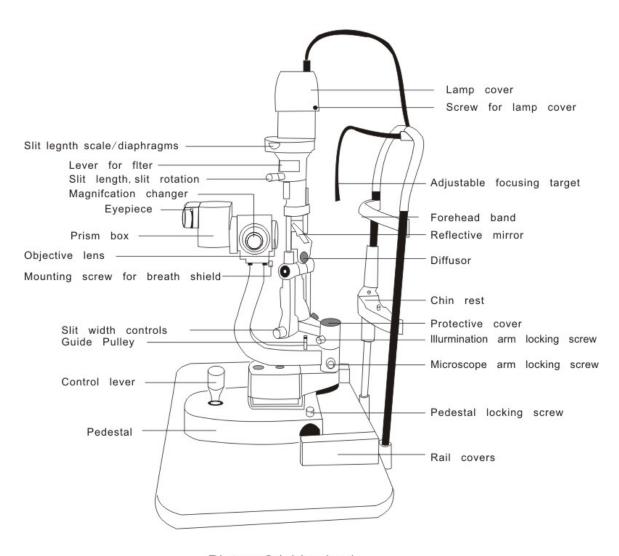
OFF Power off

Chapter 2 System Introduction

2.1 External view — LS-3 & LS-4 slit lamp



Picture 1(front view)



Picture 2 (side view)

(Please comply with the actual instrument cause there may have modification)

The composition of components patient body may touch:

Forehead band & chinrest → ABS Engineering Plastics

Remark: Magnification-Changing Knob→

LS-3:3 step magnification:10X, 16X, 25X

LS-4: 5 step magnification:6X, 10X, 16X, 25X, 40X

Chapter 3 Installation

3.1 Working Environment

- 3.1.1 Environment temperature:5°C ~40°C; Relative humidity:≤85%
- 3.1.2 Atmospheric pressure: 500hPa~1060hPa
- 3.1.3 Power: a.c. 220V±10% 50Hz/ a.c. 110V±10% 50Hz optional
- 3.1.4 Input power: 400VA

3.2 Open - package inspection

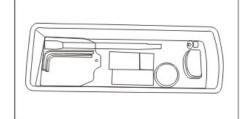
3.2.1 Make sure the instrument have not been hurt or loss during transpotation after open the package.

LS-3(4)Slit lamp microscope configuration list

Part name	Quantity	Remark
Lifting Table(Optional part)	1pc	
Workbench with power supply box and accessories box	1pc	
Binocular microscope with pedestal	1pc	
Illumination system	1pc	
Head bracket(forehead band & chinrest)	1pc	
Power wire	1pc	
Instruction manual	1pc	200 1: 95

Accessories(Focusing rod, Jaw paper, spare bulb, Protective cover, short reflector, breath shield, inner hexagon wrench etc.)

1pc each



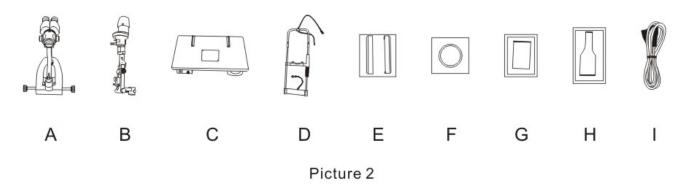
3.3 Hardware installation

3.3.1 Installation Environment

In order to ensure the safe and stable operation of the equipment, please ensure the installation environment.

- 3.3.1.1 Install this instrument on the ground where the dip angle is less than 2 degree to avoid toppling over;
 - 3.3.1.2 This equipment must be installed in clean, guiet and dry environment.
 - 3.3.1.3 Install it in a absolute darkroom.
 - 3.3.2 Installation instruction

This instruction is appropriate for installing the LS-3 & LS-4 slit lamp. Take all the components out carefully from the packing box and then fix them (Tool needed: Phillips screwdriver, inner hexagon wrench).



Code	Part name	Quantity
А	Binocular microscope with pedestal	1
В	Illumination system	1
С	Workbench with power supply box and accessories box	1
D	Head bracket(head rest & chinrest)	1

E	Rail Cover	2
F	Protective cover	1
G	Short reflector	1
Н	Long reflector	1
Ī	Power wire	1

3.3.2.1 Install the Workbench

Please use the solid wrench to screw out the four M8 X 20mm bolts with spring washers on the workbench.

Lift up the workbench; Make the screw apertures on the fixing holes of the instrument.

Put the workbench down. Let the board for controlling power face the operator. Put the bolts into the screw holes again and then use the wrench to fasten the bolt.

3.3.2.2 Install head bracket component

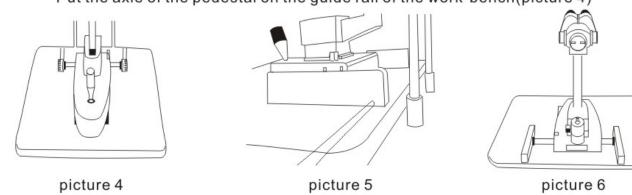
Fasten the screws on the jointing board with the screwdrive.

Screw the four socket head cap screws under the fixing board of the head bracket with the inner hexagon wrench (picture 3).



Picture 3

3.3.2.3 Install the microscope pedestal and rail covers (picture 4 to picture 6)
Put the axle of the pedestal on the guide rail of the work-bench(picture 4)

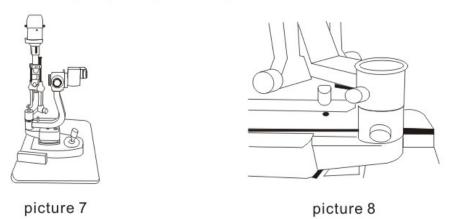


Screw off four screw on the guide rail with screwdriver;

Put rail cover on the guide rail, fasten the screws that were screw off(picture 5)

Remark: Observation microscope have alreadyfixed with pedestal (picture 6)

3.3.2.4 Install Lighting Component (picture 7-8)

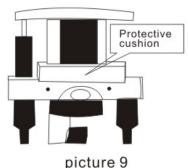


Loose the illumination arm locking screw; Turn the copper axis sleeve to make the angel of the illumination unit and posotion limiting plate between 30 degree and 90 degree.

Make the fixing hole of the illumination unit be on the copper axis sleeve in the fixing hole, make the bottoms of the axis sleeve and the fixing hole link closely, fasten the illumination arm locking screw.

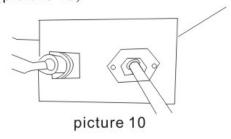
3.3.2.5 Take off the Cushion (picture 9)

The function of the cushion is to prevent slitting component from damage when tran sporting the microscope.

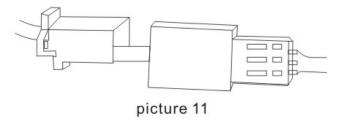


3.3.2.6 Joint the Plug

Insert the plug of power wire and the one under the headrest into the matched sockets on the power box (picture 10)

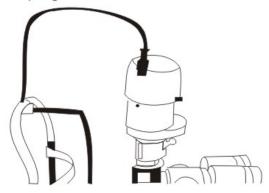


connect the power wire of lifting table (Picture 11)



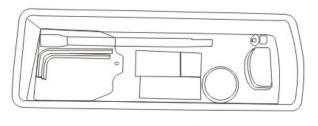
3.3.2.7 Insert the lamp cable

Insert the double-core plug on the headrest into the matched sockets (Picture



picture 12

3.3.2.8 Drawer can keep preset short reflector, focusing rod and some other accessories. (Picture 13)



picture 13

Chapter 4 Operation step

4.1 Preparation for Diopter Compensation and PD Adjustment

This step must be carried out before using the slit lamp for checking.

4.1.1 Usage of the focus rod

As a standard accessory, focus rod is provided to ensure right adjustment of the microscope. Insert the focus rod into the hole of main axle and make the planeside direct to the objective lens of the microscope (the side of the operator)

Note: Take out the focusing rod after adjustment.

4.1.2 Brightness adjustment

Turn on the main power, the indicating lamp will turn green. This device have 3 step brightness control, it can be carried out by turning the brightness controlling knob.

Rotate the slit length controlling knob till the slit length diaphragm shows 14mm. Then rotate the slit width controlling knob till maximum.

Move the pedestal roughly by joystick to make the beam on the focusing rod.

Accurate adjust the pedestal vertically and horizontally by joystick till see the clearly 1-2mm slit image on the focusing rod.

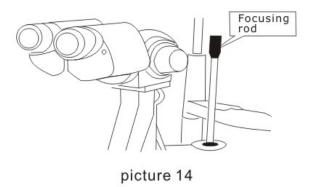
4.1.3 Diopter Compensation

The focus of the microscope is adjusted as the hemitropic. If the operator is not emmetropia, the diopter must be adjusted. (for example:myopic 100 degrees, the diopter should adjust to -1 position).

We recommend you to rectify diopter according to the following steps

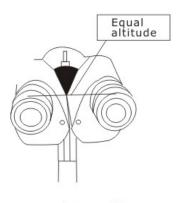
First of all, turn the ring adjusting diopter to its end counter-clockwise;

Look through the eyepiece and rotate the eyepiece ring in clockwise direction till you can see the image of the focusing rod clearly(Picture 14)



4.1.4 PD Adjustment

Adjust the prism boxes(hand pull), make the eyes can see the image on the focusing rod together and get the stereoscopic image. For the binocular has linkage function, So two eyepiece remain on the same horizontal line(Picture 15)



picture 15

4.2 Position of the Patient and the usage of fixing lamp

4.2.1 Fixed position of patient head

Place the patient's head on the chinrest, making the forehead of the patien nestledt closely to the ribbon for forehead bracket. Adjust the chinrest height-controlling handle under the chinrest until the eye of the patient is on its best place. (Picture 15)



picture 16

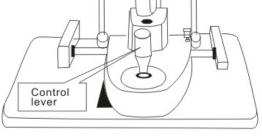
4.2.2 Usage of the fixing lamp

To fix the sight of the patient, let the patient's non-inspecting eye look at the fixing lamp. If the position of the lamp needs to be changed, you may move the handle of the lamp or move the curved handle around the head bracket.

4.3 Operation of the Pedestal

4.3.1 Rough adjustment horizontally

Keep the joystick vertical, move the pedestal to make the microscope move on the horizontal plane so as to make the microscope roughly directly toward the target (Picture 17)



picture 17

4.3.2 Accurate adjustment horizontally

Tilt the joystick in all sides to make the microscope move slightly on the horizontal plane. Adjust and view through the eye lenses at the same time to get clearest image

4.3.3 Accurate adjustment vertically

Rotate the joystick to adjust the height of the microscope so as to make the microscope be flush with the target. Turn the handle clockwise to make the microscope rise, turn the handle counter-clockwise to make it fall.

4.3.4 Lock the pedestal

Tighten the locknut for the set to fix the pedestal after adjusting well, make it can not remove. (This must be carried out when transport the slit lamp)

4.4 Operation of the illumination Component

4.4.1 Change the slit image

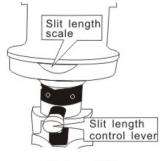
Changing the slit width and slit length by controlling knob.

★ Change the width of the slit image

Turning the knob controlling the slit width, you can make the slit width change from 0mm to 14mm (when the width is 14mm, the slit will become round). The graduations on the knob indicate the rough value of the slit width.

★ Change the aperture and slit height

Rotate the aperture and slit height adjuster knob, you can get 6 different sizes of lighting dots. The diameter can be 14mm, 10 mm, 8 mm, 6 mm, 4 mm, 2 mm, 1 mm & 0.2 mm respectively. When observing the slit image, the height an be changed from 1mm to 14mm in succession and its figure can be read in the slit legnth scale (Picture 18)



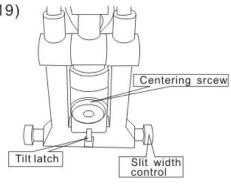
4.4.2 Slit flip

picture 18

Rotate the upper part of the illumination part horizontal, the slit can flip any desired angle.

4.4.3 Diverge the illumination light

Loosening the centering screw (31) will allow the slit image to be moved off centre for scleral illumination. Tightening the screw will re-centre the slit image in the visual feld of the microscope. (Picture 19)



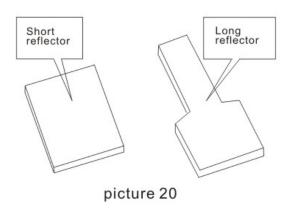
picture 19

4.4.4 Tilt the light

When you use the contacting lens and meanwhile use the section of the slitting light, you must tilt the light. When pressing the tilting handle for lighting, the lighting component can tilt to 20 degree (5 degree per grade). Be careful when you use this method because the instrument may touch the head of your patient

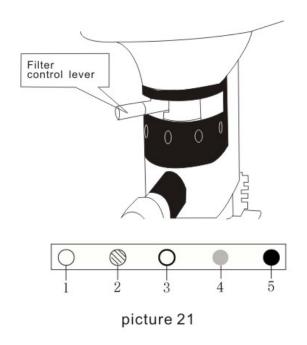
4.4.5 Reflector

This instrument has two reflectors. One is long and the other is short. We usually use the long reflector. When the included angle between the lighting component and the microscope is between 3 degree and 10 degree, the image may be obstructed. Then you can use the short reflector. (Picture 20)



4.4.6 Choose filters

Moving the filter-choosing handle on the horizontal plane, you can change four different color filters in the lighting way. The heat filter is usually used so as to make patients feel more comfortable.(Picture 21)



- 1. No filter
- 2. Heat absorption filter
- 3. Grey (ND) filter
- 4. Red free (green) filter
- 5. Cobalt blue filter

Chapter 5 Maintenance

In order to obtain better use effect and longer life, environment without interference and correct maintenance method is very necessary.

5.1 Equipment interference sources

Please avoid or keep away from the following sources or to take isolation measures during the machine operation and production:

- 5.1.1 The large power electrical facilities, high power wireless transceiver equipment such as big transformer and communication station;
- 5.1.2 Moving Vehicle, airplane and big mechanical equipment will interfere with equipment.
 - 5.1.3 Other medical instruments, especially the radio equipments;
- 5.1.4 Other human or natural electromagnetic interference which can't be avoid, such as solar activity and cosmic radiation.

5.2 Maintenance

- 5.2.1 The objective lens must be in a dry, clean condition, do not touch the surface of reflector lens and the objective lens with hand or hard objects. If there is besmirch on the lens or reflector, use absorbent cotton with a little absolute alcohol to clean.
 - 5.2.2 Keep the room clean, airiness and dry, and use air-conditioner as possible.
- 5.2.3 If the equipment is not being use and for long-term storage, set up an electric circuit for slit lamp Three times a week, at least 4 hours each time.
- 5.2.4 If it breaks down, please read the guide to fix the breakdown. If it does not work yet, please contact us or our authorized distributor.
- 5.2.5 Disinfection of chinrest:use absorbent cotton with a little absolute alcohol to clean and disinfect.
- 5.2.6 Turn off the power and cover it with dust cover when you do not use it. The dust on the body surface and the surface of the mirror should be cleared in time.
 - 5.2.7 Replace the Bulb

Turn off the main power switch;

Take out the power wire plug. Screw off the fixing screw of lamp cover and take down the lamp cover:

Take out the old bulb and replace with a new one. Fasten the screw clockwise with the screwdriver. Make the bulb side with letter up, make the pin of bulb to insert end, otherwise the illumination light is not asymmetry.

Turn on the power of main power, insert the focusing rod and have a check if the light on the focusing rod asymmetry or not while looking through eyepiece. If it's not, shut down the power and reset the bulb again.

Note: The bulb is boiling hot!

Put the lamp cover to the original place, fastens with screw, and connects the plug;

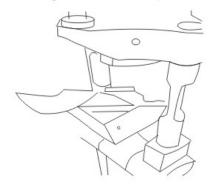
Pictures for reference only, subject to our products. We reserve the right to change the product without prior notice!

5.2.8 Replace the reflector

Make the angle between the microscope arm and the illumination arm bigger than 30 degree;

Tilting the illumination arm more than 10 degree

Hold the projection of the long reflector and pull out the reflector(Picture 22)

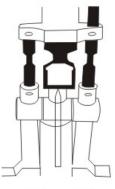


picture 22

Insert new long reflector or short reflector;

When replacing the short reflector, you can use an object with a tip to push the

underpart of the show(Picture 23)



picture 23

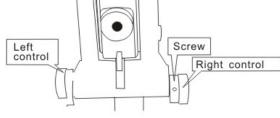
5.2.9 Replace the fuse:

⚠ Disconnect the power of the equipment, unscrew the fuse cover, and changing a new one(model:T2AL 250V, specification ∮ 5×20:),and recover the fuse cover.

5.2.10 Adjustment of friction of the slit width control

If the knob for controlling the slit width is too loose, the slit width may be out of control.

Loosen the screw on the right knob with the screwdriver, then hold the left knob with one hand and turn the right knob clockwise with the other hand to adjust the tightness to proper degree. After getting the suitable degree of tightness, fasten the screw on the right knob (Picture 24)



picture 24

5.2.11 Adjust the tilting action of the illumination component

If the tilting part on the lighting component is too loose, fasten the screws on the fulcrum of two sides with the screwdriver.

5.2.12Cleaning

5.2.12.1 Clean the lens and reflectors

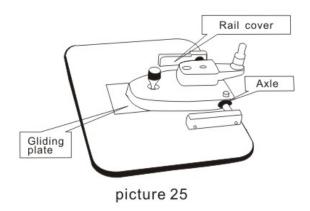
If the lens and the reflectors are dusty, use the lens paper in the standard component to clean them. If they are still dusty, use the soft cotton swab stained with absolute alcohol to wipe them up slightly.

Note: Do not wipe the lens and reflectors with fingers or hard object.

5.2.12.2 Clean the gliding plate, guide rail and the axle

If it becomes diffcult to move the slit lamp around on the gliding plate, the plate should be cleaned with a slightly oily rag. After removing the rail covers, the rails should be cleaned with a stiff brush.

Clean only with dry, lint-free cloths! (Picture 25)



5.2.12.3 Clean and disinfect the plastics components

Use a piece of soft cloth stained with dissolvable cleanser or water to clean the plastics components such as the chinrest and ribbon for forehead bracket and disinfect them with medicinal alcohol.

Note: Do not use any corrosive cleanser to wipe them, or the surfaces would be damaged!

5.2.13 Protection

In the using course of the slit-lamp, the hole of main axle may have dirt, such as dust and physiological saline in it. In order to prevent the instrument from damage, please cover the hole of main axle with the protecting cap. Take off the cover when necessary to install the leading board.

5.2.14 Consumable

Please indicate the names and amount clearly when order these objects (Should use the designated objects by sunkingdom, or we will not take the consequences.)

Add: 2-1,NO.25,JiaoYuan Rd, ShaPingBa District,ChongQing,China

Products	Names of components	Remark
	Illuminating bulb	12V/50W halogen tungsten lamp
LS-3 & LS-4 Slit-lamp	Long reflector	
	Fuse (T2AL 250V)	Meet the requirement of GB9364

Chapter 6 Transpotation and storage

- 6.1 Prevent the instrument from damp, inverting and shaking violently during transpotation.
- 6.2 Keep it in the room in which the relative humidity is less than 85 percent; the ambient temperature is between -15 degree and 40 degree and air pressure is between 500hPa and 1060hPa and well ventilated without corrosion gases.
- 6.3 If the installed instrument needs to move or transport in short distance, all the moving components must be locked. Please support with your hands on its rear and push or lift it carefully. If the instrument must be transported in long distance, re-pack it into its package for transporting it.

Chapter 7 Common Faults

Breakdown	Possible cause	Treating ways
Illuminating bulb dose not work	The power wire dose not link to the electric socket correctly	Link the power wire correctly
	Main power switch is on "0" position	Turn the switch to "1" position

	The plug on the power box is loose	Fasten the plug
Illuminating bulb dose not	The jointing plug of the lamp cover is loose	Fasten the plug
work	The bulb is burn down	Replace the bulb
	The fuse is fused	Replace the fuse
	Install the bulb in a wrong way	Install the bulb correctly
	The light filter handle directs the first grade or intermediate position of the light filter	Turn the choosing handle to the right position
The slit is too	The surface of the reflector oxidized	Replace the reflector
u	The reflector is covered by too much dust	Clean the surface of the reflector with the lens paper
	Surface polishing of the reflector	Clean the surface of the reflector with the soft cotton
	The protector of the microscope or the lens' surface is stained	Clean the surface of the lens
The fuse	The type of the fuse is wrong	Replace the proper fuse
breaks	The joint of the electric wire is loose	Fasten the joint of the power wire
The slit shutsoff automatically	The slitting width controlling knob is too loose	Adjust the degree of tightness of the knob
The sight	The output plug of the power box is loose	Fasten the plug
fixing lamp dose not work	The switch of power box is turn off	Turn on the power box

Chapter 8 Declaration

Sunkingdom and our authorized distributor can provide you the information of consumable.

- 1. We will provide enquiry free for one life.
- 2. We are not responsible for
- Take apart or amend the instruments without the permission of us, which cause damage;
- Any damage caused by fire, earthquake, third party's action, any other accident or user's intentional or unintentional error, abuse or use under abnormal conditions;
- Any damage resulting from disobedience of what is described in the instruction manual;and
- Any damage resulting from, for instance, malfunctioning of the instrument caused by a combination of connected devices.

Please forgive us for not informing you if the design or the assigned type changes!



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 a attestation of registration, nor does the U.S. Food and Drug Administration recognize a attestation of registration.

Signature:

Place: China/ Shanghai

Expiration Date: Dec. 31. 2021

Authorized Signature(s)



FDA Registration Confirmation

ANNEX:

Listing No	Code	Device Name
D345115	НКО	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	НРА	Frame, trial, ophthalmic (trial frame)
D345123	НРС	Set, lens, trial, ophthalmic (trial lens set)
D345124	НОХ	Chart, visual acuity (visual charter)
D345125	НРТ	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)

D245244 W74	DEVICE, VEIN LOCATION, LIQUID CRYSTAL	
D345344	KZA	(vein finder)
D266902	шт	Ophthalmoscope, battery-powered
D366893 HLJ	(ophthalmoscope retinoscope)	
D266904	0366894 MDM	INSTRUMENT, MANUAL, SURGICAL, GENERAL USE
D366894 MDM	(ophthalmic surgical instrument)	
D366895	MMQ	Topographer, corneal, ac-powered
D300893 WIVIQ	(cornealtopographer)	

END OF THE ANNEX

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:	☐ Cooperation Partner
Company Address	Room 906, Yongding Plaza, No. 3388, Gonghe New Road,
- 1 ,	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





Report	No.:	22069995_	Т

Report Number:	22069995_T	Assessment Type	Trading Assessment
Date of Assessment:	, i		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/H
			ome/IndexCN

Important Notes:

Intertek's Disclaimer:

This report reflects our findings for the particularly concerned company on the date of our service only. This report does not discharge or release the factory/sellers/suppliers from their commercial, legal or contractual obligations with buyers in respect of products provided by the factory/sellers/suppliers. Any reader other than the party for whom this report has been specifically issued is hereby informed that the general conditions of service of contain liability limitation provisions.

Alibaba.com's Disclaimer:

This report has been independently prepared by a third party verification agency. The report is provided on an "AS IS" and "AS AVAILABLE" basis. The information contained in the report may change without notice and no obligation is assumed to update the information after publication. Alibaba (including its affiliates) is not involved in the preparation of the report. Publishing of the report by no means that Alibaba endorses or recommends the report. Therefore, Alibaba cannot be held responsible for any inaccuracy or omission in the report.

To the maximum extent permitted by law, Alibaba expressly disclaims any warranty, expressed or implied, in regard to the report, including any implied warranty of merchantability, fitness for a particular purpose or non-infringement. Your use of or reliance on this report will be at your own discretion and risk. To the maximum extent permitted by law, in no event shall Alibaba be liable for any party for any direct, indirect, punitive, incidental, special or consequential damage costs, expenses, legal fees or losses or any damages whatsoever arising out of or in any way connected with any use of the report even if advised of the possibility of such damages.

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA		All Rights Re	served			Page No:	2 of 25



Contents

Section 1: Company Ove	erview				•••••	5
1.1 Legal Validity						5
Section 2: Human Resoເ	ırces					6
2.1 Company Chart						6
2.2 Employee Headcount	t					6
2.3 Management						6
Section 3: Current Expo	rt Situation					7
Section 4: Export Busine	ess Capacit	y				9
4.1 Market Distribution (I	Previous 12 l	Months)				9
4.2 Main Clients						10
Section 5: Quality Assur	ance					11
5.1.1 Quality Managemen	nt System Ce	ertification				11
5.1.2 Product Certification	n					11
5.2 Supplier Managemen	t					11
5.3 After Sales Service						12
5.4 Overseas After Sales	Service					12
Section 6: R & D Capacit	t y					13
6.1 Current Situation						13
6.2 R&D Real Case Desc	ription					14
6.3 Design Process						15
6.4 Design Devices						15
Section 7: Company Dev	elopment /	Expansion Pla	ans			16
Section 8: Certification 8	& Photos					17
Section 9: Company and	Product Sa	amples				19
Section 10: Competitive	Advantages	S				21
10.1 Product Group Capa	acity					21
Report No: 22069995_T	-	31/Aug./2021	Assessed By	Zad Zhang	D N	0 -4 05
CONFIDENTIAL	All Rights Res	served			Page No:	3 of 25



Alibaba.com Verified Supplier

Assessment Report

Report No.: 22069995_T

	10.2 Real Case for Lower MOQ & Lead Time	21
	10.3 Real Case for Large Contract	22
	10.4 Overseas after-sales service capacity	22
	10.5 After-sales service capacity	22
S	ection 11: Service Capabilities	. 24
	11.1 Experience with Large-scale Procurement Contracts	24
	11.2 Overseas Showroom	24
	11.3 Offline Trade Show	24
S	ection 12: Supply Chain Capability	. 25
	12.1 Centralized Procurement	25
	12.2 Overseas Warehouse	25

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA	AL.	All Rights Res	served			Page No:	4 of 25



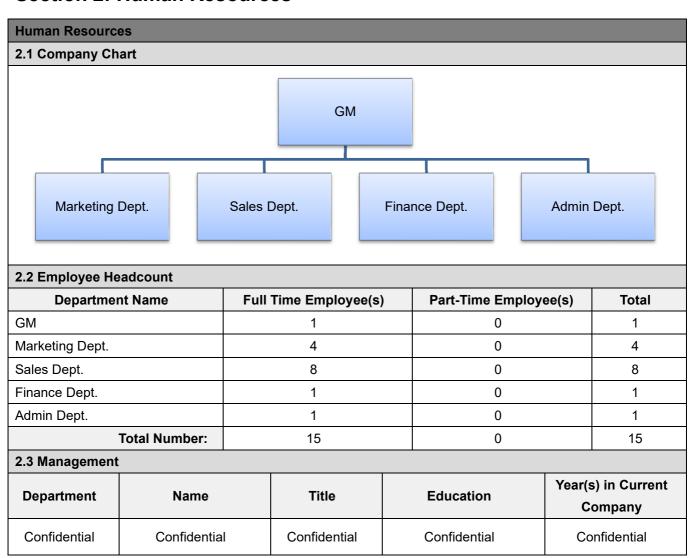
Section 1: Company Overview

Section 1. Company Overview								
Company Overview								
1.1 Legal Validity								
Does the company have a	☐ Yes ☐ No	Business License	9131011506602810					
valid business license?	Z les 🗌 No	Number:	2F					
Year Established:	18/Apr./2013	Validity Period:	18/Apr./2013-					
real Established.	16/Αρι./2013		17/Apr./2033					
Export Experience:	8 Years	Industry	8 Years					
елрог елрепенсе.	O Teals	Experience:						
Registered Address:	Room 150, Building 3, No. 2558	, Zhouzhu Road, Pudor	ng New Area,					
Negistered Address.	Shanghai, China							
Company Address:	Room 906, Yongding Plaza, No.	3388, Gonghe New Ro	oad, Jingan District,					
Company Address.	Shanghai, China		_					
Is It Listed Company?	☐ Yes ☒ No	Company Stock	N/A					
is it Listed Company?	☐ Tes ☐ No	Code:						
Annual review conducted by		Reviewed By:	Market Supervision					
the Industrial & Commercial	☐ Yes ☐ No		Administration					
Bureau?	Z les 🗌 No		Bureau of Pudong					
Duleau!			New Area, Shanghai					
Registered Capital:	RMB 2,000,000							
Corporate Representative:	Mr. Tao Shangguan							
Industry:	Optical Instrument	Optical Instrument						
Business Type:	☐ Manufacturer ☑Trading Cor	☐ Manufacturer ☑Trading Company ☐Manufacturer & Trading Company						
Type of Ownership	☐ Private Owner ☐ P	ublic Company [Joint Venture					
Type of Ownership:	☐ Stated Owned ☐ S	ole Proprietorship [Other					
Draduata (Carvina)	Auto Lens Meter, Slit Lamp, 3D A	Auto Lens Edger, Rebo	und Tonometer, Auto					
Products /Service:	Refractometer							
1.2 Company Building Information	ion							
Certification Type:								
☐ Land Certification ☐ F	leal Estate Certification 🔲 Leas	e Agreement 🔲 F	actory Officer Claimed					
Total Building Size: 326	m2							
Office Size: 326	m2							

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA	L	All Rights Res	served			Page No:	5 of 25



Section 2: Human Resources



Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA		All Rights Res	served			Page No:	6 of 25



Section 3: Current Export Situation

Cu	Current Export Situation								
		eign trading emp	loyee(s) in	the	company.				
	Working Experience	Headcount		Δ	Accepted anguage	Listenir Speaki	_	Reading & Writing	
	Over 30 Years	0	E	Englis	sh	Yes		Yes	
	21-30Years	0	N	N/A		N/A		N/A	
	11-20 Years	0	N	N/A	A N/A			N/A	
	6-10 Years	0	N	N/A		N/A	N/A		
	2-5 Years	8	N	N/A	'A N/A N		N/A		
	Less than 2 years	0	N	N/A		N/A		N/A	
Do	es the company have a va	alid export licens	e?			☐ No			
Export License Registration No.:			C	01314518					
Tot	al Revenue (Previous Yea	ır, USD):		(Confidential				
Total Export Revenue (Previous Year, USD):				C	С				
Estimated Export Revenue (Current Year, USD):			(Confidential					
Trade Agents Employed Overseas:				Yes	⊠ No				
Nearest Port:			5	Shanghai Po	ort				
Acc	cepted Payment Terms				□ FOB □ CIF □ EXW □ CFR				
					⊠ L/C				
Acc	cepted Payment Type:				⊠ Cash				am
					□ Paypal				
Ave	erage lead time from prod	uct order confirn	nation to pi	rodu	oduction delivery (products exiting the factory):				
	Product C	ategory			Num Unit			Unit	
	Auto Lens	s Meter			3		Days		
	Slit La	ımp			3	3		Days	
3D Auto Lens Edger				3 Days		Days			
Rebound Tonometer				3 Days					
Auto Refractometer				3	3		Days		
Average Sampling Time									
Product Category				Lead Time					
	Auto Lens	s Meter				3 Da	ays		
	Slit La	ımp				3 Da	ays		
	3D Auto Le	ns Edger			3 Days				

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA		All Rights Res	served			Page No:	7 of 25



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			

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA	AL.	All Rights Re	served			Page No:	8 of 25

Section 4: Export Business Capacity

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

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIAL		All Rights Reserved				Page No:	9 of 25



Confidential		Confidential		Confidential		
Client Name		Main Product(s)		Total Revenue (%)		
4.2 Main Clients						
		Refractometer				
South Asia	Lens Edger, Rebound Tonometer, Auto		C	onfidential 5		
	Auto Lens Meter, Slit Lamp, 3D Auto					
		Refractometer				
Southern Europe	Lens Edger, Rebound Tonometer, Auto Confider			onfidential	2	
	Auto I	ens Meter, Slit Lamp, 3D Auto				
		Refractometer				
Northern Europe	Lens Edger, Rebound Tonometer, Auto			onfidential	2	
	Auto I	Auto Lens Meter, Slit Lamp, 3D Auto				

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIAL		All Rights Reserved				Page No:	10 of 25

Section 5: Quality Assurance

Quality Assu	Quality Assurance									
			watara Car	utification						
5.1.1 Quality			1							
•				Certificat		Busir	ness Scope	Validity Date		
N/A		N/	A	N/.	/A N/A N/A					
5.1.2 Produc	t Cert	ification								
Certification Certified By Certifica				Certificat	e No.	Product N	ame & Model No.	Validity Date		
N/A		N/	'A	N/A	A		N/A	N/A		
5.2 Supplier	Mana	gement								
Item		Co	ntent			Obse	ervations /Commen	ts		
	Does	s the comp	any have a	a						
5.2.1	supp	lier assess	ment proc	edure?	☐ No					
		s the comp	•		⊠ Yes					
5.2.2		ted list of a	•		☐ No					
		liers?								
		the compa	ny establis	hed and	⊠ Yes.	with written s	standard procedures			
	implemented a standard				Yes, with written procedure but lack of consistent					
5.2.3		procedure for purchasing contract				standard				
	review and approval?			☐ No						
						assessment	reports are available	for more than 3		
					Yes, assessment reports are available for more than 3					
					years Yes, assessment reports are available for the last 1-3					
5.2.4	Does	s the comp	any keep i	ts	· ·					
3.2.4	supp	lier assess	ment repo	rts?	years					
					Yes, assessment reports are available for the previous 12 months					
						ns				
					∐ No					
	Are t	he compar	ny's purcha	asing		•	ng document include	s all the		
	docu	ments suff	icient to er	nsure	information required					
5.2.5	prod	uct safety	control and	I their	Yes, however the purchasing document includes					
	1	omers' requ			incomplete information					
oustomers requirements:					□ No					
	Is the	ere a proce	edure to co	nduct	Yes, with clear standard and written inspection records					
5.2.6		om produc			Yes,	with inspection	on records but no pro	ocedures		
0.2.0		packaging	·		Yes,	with procedu	res but no inspectior	records		
	iiiiai	paonaging	•		☐ No, inspections are not necessary					
	220699	95_T	Report date)21 A	Assessed By	Zad Zhang			
CONFIDENTIAL	L		All Rights R	leserved			Page N	o: 11 of 25		



5.3 After Sal	es Service					
Item	Content	Observations /Comments				
504	Is customer feedback, including	Yes, with a standard feedback form but no records				
5.3.1	complaints, clearly recorded and maintained?	Yes, with records but no standard feedback form				
		□ No				
5.3.2 Are there any clear procedures for		Yes, with clear procedures but no written records				
5.3.2	handling customer complaints?	☐ Yes, with written records but no clear procedures				
		☐ No				
522	Is there a closed-loop corrective action					
5.3.3 system in place?		□ No				
5.3.4	Can finished/packaged products be traced by lot identification to the	Yes, main raw material can be traced				
3.3.4	appropriate raw material test reports?	☐ No, only the production date can be traced				
		☐ No				
5.3.5	Is there a product alert and recall	⊠ Yes				
5.5.5	procedure?	☐ No				
5.3.6	Do you have a complete after sales	⊠ Yes				
3.3.0	service capability?	☐ No				
5.4 Overseas	s After Sales Service					
5.4.1	Is it possible to provide expatriate	⊠ Yes				
5.4.1	engineer services?	☐ No				
	If possible provide expatriate					
5.4.2	engineer,what kind of onsite after-sales	☑ Debugging ☑ Maintain ☑ Repair ☐ Other				
	services are included?					

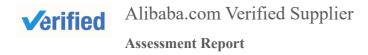
Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA		All Rights Res	served			Page No:	12 of 25

Section 6: R & D Capacity

R&D Capacity								
6.1 Current Situat	ion							
There is	0 R&D engineer	(s) in the com	npany.					
Education Level	Headcount		Work Experience			Headcount		
Doctorate	0			Over 3	0 Years		0	
Post-Graduate	0			21-30 \	Years		0	
Graduate	0			11-20 \	/ears		0	
Junior College	0			6-10 Ye	ears		0	
Technical School	0			2-5 Yea	ars		0	
High School	0			Less th	an 2 years		0	
Patent Situation		·						
Patent No.	The Name of th	e Patent		Th	e Patent Type		Available Date	
N/A	N/A		N/A			N/A		
Brand Situation								
Registration/ap plication No.	Brand Name		For Approval to Use Vali		Validity Date	Ref.		
27928760	Refer to Photo		Goods Category: 9		14/Nov./2018- 13/Nov./2028		noto in Section 8	
The Average Time	For New Products L	aunched				,	,	
Pr	oduct Category		Num				Unit	
	N/A		N/A			N/A		
The Shortest Time	e For A New Item Lau	nched	•		,			
Pr	oduct Category		Num				Unit	
	N/A		N/A N/A					
Does the company provide ODM service for others?			☐ Y	es				
Are there relevant design input/output, review, and verification documents available for the assessment company?			☐ Y 図 N	es				
	on, are R & D employee cialized equipment?	es equipped	☐ Yes ☐ No					
If yes, please list a	II key equipment used:		N/A					

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA		All Rights Res	served			Page No:	13 of 25

Do R& D employees use any s designing new products?	specific software for	│			
If yes, please list the main soft	ware used:	N/A			
Please list all certifications and R & D department:	/or qualifications of the	N/A			
Has the company established procedures for new products?	standard design	☐ Yes, with clea ☐ Yes, without w ☑ No			
Have the designed products be validated?	een internal verified or	☐ Yes, with clear ☐ Yes, only part ☐ Yes, without w ☑ No	written red	cords	
Have the designed products be third-party inspection body?	een tested by a		•	cts have been tested ed products have been tested	
Are the designed products concustomers?	ifirmed by the		esigned pr	cts have been confirmed oducts have been confirmed ments	
Does the company has qualific designers?	ation requirements for	☐ Yes, with writt☐ Yes, without w☐ No, but at leanneeded☐ No	vritten job	•	
Are the designers' qualification company?	is recognized by the	☐ Yes, with writt☐ Yes, without w☐ No			
What level of design services a	are provided?	☐ Only add logo ☐ Sample proce ☐ Graphic proce ☐ Create an ent	essing essing		
New Products Launched qua	antity for each year				
Product Cate	egory	Num		Unit	
N/A	-	N/A		N/A	
6.2 R&D Real Case Descripti	on				
Customer's Name		N/A			
Report No: 22069995_T	Report date: 31/Aug./2021 All Rights Reserved	Assessed By	Zad Zhang	Page No: 14 of 25	



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

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA	L	All Rights Res	served			Page No:	15 of 25



Section 7: Company Development / Expansion Plans

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

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA	\L	All Rights Res	served			Page No:	16 of 25

Section 8: Certification & Photos

Certification & Photos

Certification & Photos -- Business License (Original)



Certification & Photos -- Permit for Opening Bank Account



Certification & Photos -- Custom Clearance Registration Form

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



Certification & Photos -- Import and Export Enterprise Registration



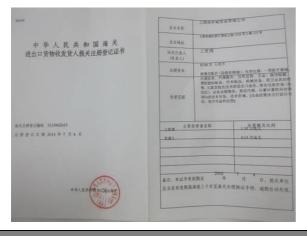
Certification & Photos - N/A



Verified Alibaba.com Verified Supplier

Assessment Report

Report No.: 22069995_T



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 -- Tardemark



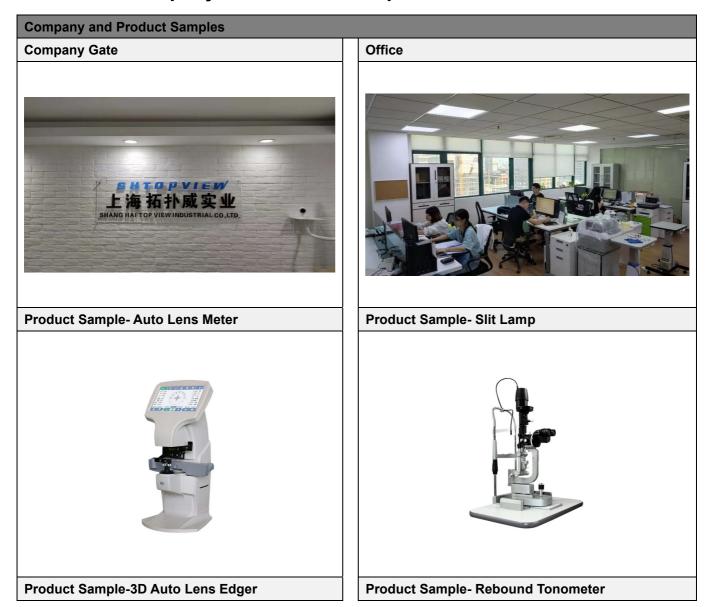
Certification & Photos -- N/A

N/A

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIA	AL	All Rights Res	served			Page No:	18 of 25



Section 9: Company and Product Samples



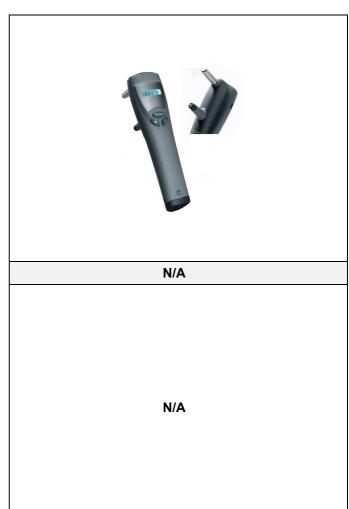
Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIAL		All Rights Reserved				Page No:	19 of 25



Alibaba.com Verified Supplier

Assessment Report







Section 10: Competitive Advantages

10.1 Product Group Capacity						
10.1.1 Products Sold (Within12 M	lonths)					
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 Wit	n (Within12 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	⊠ Yes				
service for integration project?		☐ No				
If yes, these projects include		According to	client requirement			
Would the company like to provide	a total solution for					
purchasing?		☐ Part,				
		☐ 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	Confiden	tial	Confidential			
Slit Lamp	Confiden	itial	Confidential			
3D Auto Lens Edger	Confiden	tial	Confidential			
Rebound Tonometer	Confiden	tial	Confidential			

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIAL		All Rights Reserved				Page No:	21 of 25



Auto Refractometer		Confidential		Confidential			
MOQ (In the last 12months)		Less than 10					
] 10-20					
		20-50					
		50-100					
] 100-300					
		More than 300					
10.3 Real Case for Large Co	ntract						
Products Name	C	Order (In the past 1	2 Months)	She	ortest Lea	nd Time	
Auto Lens Meter		Confidential			Confidential		
Slit Lamp		Confidenti	al		Confiden	tial	
3D Auto Lens Edger		Confidenti	al		Confiden	tial	
Rebound Tonometer		Confidenti	al		Confiden	tial	
Auto Refractometer		Confidenti	al		Confiden	tial	
10.4 Overseas after-sales se	rvice ca	pacity		_			
If yes, what onsite after-sales s	services a	are included					
Equipment -installation, mainten	nance an	d other services	⊠ No				
Technical advice		☐ Yes		⊠ No			
Personnel training			⊠ No				
Other:			N/A				
Average response time:							
Nun	n			l	Jnit		
N/A	4				N/A		
10.5 After-sales service capa	acity						
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	<u>l</u>						
Product Category		Num	Unit				
Auto Lens Meter		1		Year			
Slit Lamp		1		Year			
3D Auto Lens Edger		1	Year				
Report No: 22069995_T F	Report date	: 31/Aug./2021 A	Assessed By	Zad Zhang			
CONFIDENTIAL	All Rights R	leserved			Page No:	22 of 25	



Rebound Tonometer	1	Year
Auto Refractometer	1	Year
Does the company accept small orde	⊠ Yes	
Boes the company accept small orde	□ No	

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIAL		All Rights Reserved				Page No:	23 of 25



Section 11: Service Capabilities

11.1 Experience with Large-scale Procurement Contracts							
Have you had a procurem	nent contract with a Forto	une 500	☐ Yes				
company?			⊠ No				
Do you have an overseas	onsite service center?		☐ Yes				
			⊠ No				
The country/region of you	r overseas service cente	er	N/A				
11.2 Overseas Showro	om						
Do you have an overseas showroom?			☐ Yes				
			⊠ No				
Country/Region			N/A				
11.3 Offline Trade Show							
Have you participated in o	offline trade shows?						
			☐ No				
Tradeshow name	CHINA (SHANGHAI) I	NTERNA	TIONAL	Official images from the trade show			
	OPTICS FAIR						
Date attended	11/Feb./2020			Confidential			
Host Country/Region	Other C	hina					

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIAL		All Rights Reserved				Page No:	24 of 25



Section 12: Supply Chain Capability

12.1 Centralized Procurement	
In the past 12 months, have you sold products from at	☐ Yes
least three sub-categories?	⊠ No
12.2 Overseas Warehouse	
Do you have an overseas warehouse?	☐ Yes
	⊠ No
Country/Region	N/A

-- End of Report --

Report No:	22069995_T	Report date:	31/Aug./2021	Assessed By	Zad Zhang		
CONFIDENTIAL		All Rights Reserved				Page No:	25 of 25