Product Catalogue

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Content

Auto Refractometer

FA-6000A Auto Refractometer

Features:

- Auto manual focus function
- 5.6'' color TFT LCD screen
- Auto PD measurement
- Faster and more accurate measurement
- Convenient user menu setting
- Easy to operate, one-hand control
- Auto fog chart

Parameters:

Measurement mode	REF mode	Refractive measurement
Refractive measurement	Vertex Distance	0.0,12.0,13.75mm
	Sphere	-20.00~+20.00D (0.12/0.25D step)(VD=12mm)
	Cylinder	-8~+8D 0.12/0.25D step
	Cylinder form	-, +, ±
	Axis	1°~180°(1° step)
	Pupil Distance	45~88mm, 1mm step
	Min. pupil diameter measurable	2.0mm
	Target	Automatic fogging target
Hardware specification	Monitor	5.6' inch Color LCD
	Printer	Fast thermal printer
	Power supply	AC110~240 V,50/60HZ
	Dimensions/weight	280(W)X492(D)X462(H)mm/15.5kg

Auto Ref/Keratometer

FA-6100/FA-6100K Auto Ref/Keratometer

Features:

- Keratometry and Refractometry mode select
- Auto / manual focus function
- 5.7" color TFT LCD screen
- Auto PD measurement
- Faster and more accurate measurement
- More broad measurement range of Min. pupil size to Φ2.0mm
- Convenient user menu setting
- Easy to operate, one-hand control
- Auto fog chart

Parameters:

Retractometer	
Vertex distance	0mm, 12mm, 13.75mm
Spherical	-20~+20D(VD=12) 0.125D step
Cylinder	-8~+8D 0.125D step
Axis	0~180° 1° step
Cylinder form	-, + , ±
PD	45~88mm,1mm step
VD	0mm,12mm,13.75mm
Min. Pupil Size	Ø2.0mm
Keratometry	
Radius of curvature	5.0~10mm(increment: 0.01mm)
Corneal power	33.75~67.50D(when corner equivalent refractive index is 1.337) (increment selectable from 0.12, 0.25D)
Corneal astigmatism	0.0~8.00D(increment selectable from 0.12,0.25D)
Axis	1~180°(increment:1°)
Corneal diameter	2.0~14.0mm(increment: 0.1mm)
Memory of data	10 measure value for each right and left eye
Others	
Chart	Auto-fog
Display	5.7"Color LCD(FA-6100&FA-6100A)
Power supply	100-240V 50/60HZ
Print	Thermal printer
Dimension	469mmX308mmX522mm,
Weight	~15.5kg

Auto Ref/Keratometer

FA-6100A/FA-6100AK Auto Ref/Keratometer

Features:

➢ Enlarged measurement range: It allows you to make measurement over a broad measurement range. This means you can even measure extreme myopia eye.

➢ Display screen: The CRT Monitor make the measurement results and setting image display on an easy-to-view screen.

➢ AUTO PD measurement: The PD will be automatically calculated after measurement.

➢ Easy, one-hand control: All operations, including UP\Down, Right\Left, Forward\Backward and Start can be easily controlled with one hand through the control stick

Parameters:

Range of measurement	Sphere	-20~+20D(VD=12) 0.125D step
	Cylinder	-8~+8D 0.125D step
	Axis	0°~180° (1°step)
	PD	45~88mm,1mm step
	Vertex distance	0mm, 12mm, 13.75mm
	Min Pupil Size	ø2.0mm
Keratometry	Radius of curvature	5.0~10mm(increment: 0.01mm)
	Corneal power	33.75~67.50D(when corner equivalent refractive index is 1.337) (increment selectable from 0.12, 0.25D)
	Corneal astigmatism	0.0~8.00D(increment selectable from 0.12,0.25D)
	Axis	1~180°(increment:1°)
	Corneal diameter	2.0~14.0mm(increment: 0.1mm)
	Memory of data	10 measure value for each right and left eye
Others	Chart	Auto-fog
	Display	5.7" TFT LCD
	Print	Thermal print
	Power supply	110V~220V±10% 50Hz 60VA
	Dimension	469mmX308mmX522mm
	Weight	~15.5kg

Auto Ref/Keratometer

FA-6500/FA-6500K Auto Ref/Keratometer

Features:

➢ 7'' TFT LCD monitor, bigger and better monitor and icon-display menu for easier operation and settings

➢ With high quality of hexagon prism and highly sensitive CCD, it provides unmatched accuracy and reliability

➢ She can focus the eye and get the value automatically

➢ Operator can easily adjust the chinrest with switch located on

the operator side and enables speedy reading

➢ tilting screen function that allows wide variance of

access whether the operator is sitting or standing

Parameters:

Range of measurement	Sphere	-20~+20D(VD=12) 0.125D step
	Cylinder	-8~+8D 0.125D step
	Axis	0°~180° (1°step)
	PD	045-88mm,1mm step
	VD	0mm,12mm,13.75mm
	Min Pupil Size	2.0mm
Keratometry	Radius of curvature	5.0~10mm (increment: 0.01mm)
	Corneal power	33.75~67.50D(when comer equivalent refractive index is 1.337), (increment selectable from 0.12,0.25D)
	Corneal astigmatism	0.0~0.8D(increment selectable from 0.12,0.25D)
	Axis	1~180, (increment 1°)
	Corneal diameter	2.0~14.0mm (increment 0.1mm)
	Memory of data	10 measure value for each right and left eye
Others	Chart	Follow-up colorful fogging chart system
	Display	7' TFT LCD
	Print	Thermal print
	Power supply	220V±10% , 50Hz 60VA
	Dimension	514mm*284mm*465mm
	Weight	~15.5KG

Auto Ref/Keratometer

FA-6800/FA-6800K Auto Ref/Keratometer

➢ Faster and more accurate measurement: measurement time is reduced half compare with a conventional Auto Refractometer.

➢ More elegant and tailor-made design, more stable and longer life span.

➢ Measurement minimum pupil diameter -2.0mm:pupils of patient all over the world can be measured easily.

➢ Selectable functions mode: you can select and change diopter steps, vertex distance, cylinder mode, measuring mode, shop name, date and time. The data measured can be used for different modes of STEP,VD and CYL.

Parameters:

Range of measurement	Sphere	-20~+20D(VD=12) 0.125D/0.25 step
	Cylinder	-8~+8D 0.12/0.25D step
	Cylinder Form	-、 +、 -/+
	Axis	0°~180° (1°step)
	PD	45-88mm, 1mm step
	VD	0mm,12mm,13.75mm
	Min Pupil Size	2.0mm
Keratometry	Radius of curvature	5.0~10mm (increment: 0.01mm)
	Corneal power	33.75~67.50D(when comer equivalent refractive index is 1.337), (increment selectable from 0.12, 0.25D)
	Corneal astigmatism	0.0~0.8D(increment selectable from 0.12 to 0.25D)
	Axis	1~180, (increment 1°)
	Corneal diameter	2.0~14.0mm (increment 0.1mm)
Others	Chart	Follow-up colorful fogging chart system
	Memory of data	10 measure value for each right and left eye
	Display	9' TFT LCD Touch Screen
	Print	Thermal printer
	Power supply	110V±10%/220V±10% , 50Hz/60Hz 50VA
	Dimension	483mm*268mm*452mm
	Weight	~16KG

Auto Ref/Keratometer

FA-8000/FA-8000K Auto Ref/Keratometer

Features:

➢ 9" TFT LCD monitor, bigger and better monitor and icon-display menu for easier operation and settings

➢ With high quality of hexagon prism and highly sensitive CCD, it provides unmatched accuracy and reliability

➢ She can focus the eye and get the value automatically

➢ Operator can easily adjust the chinrest with switch located on the operator side and enables speedy reading

➢ tilting screen function that allows wide variance of access whether the operator is sitting or standing

Parameters:

Range of measurement	Sphere	-20~+20D(VD=12) 0.125D/0.25D step
	Cylinder	-8~+8D 0.12/0.25D step
	Cylinder Form	-, +, -/+
	Axis	0°~180° (1°step)
	PD	45-88mm, 1mm step
	VD	0mm,12mm,13.75mm
	Min Pupil Size	2.0mm
Others	Chart	Follow-up colorful fogging chart system
	Memory of data	10 measure value for each right and left eye
	Display	9' TFT LCD Touch Screen
	Print	Thermal printer
	Power supply	110V±10%/220V±10% , 50Hz/60Hz 50VA
	Dimension	483mm*268mm*452mm
	Weight	~16KG

RM-150/RMK-150 Auto Ref/Keratometer

Features:

- They adopts automatic lifting, providing easier operation and multiple measurement modes
- Multiple measurement modes (SPH, CYL, CLBC, CYL&SPH)
- Automatic chin rest base and main body lifting
- Large angle rotating screen
- Support multiple measuring functions
- Automatic fog color vision system

Parameters:

Measurement mode	Cornea/refractometry measurement mode, keratometry/refractometry, Mode Of keratometry, refractometry; refractometry measurement mode, keratometry CLBC mode, substrate curvature of contact lens	
Refractometry measurement	Vertex Distance	0, 10, 12, 13.5, 15mm
	Sphere	-25.00~+ 22.00D (VD = 12mm, 0.12 or 25D ）
	Cylinder	0.00~+ / - 10.00D (0.12 or 0.25)
	Axis	1°~180°(1° step)
	Cylinder symbol	-, +, +/-
	Pupil Distance	10~85 mm
	Min. pupil diameter measurable	2.0mm
	Measuring time:	0.07sec
Keratometry measurement	Radius of curvature	5~10.2mm
	Corneal Refraction	33.00~67.50D
	Corneal Astigmatism	0.00~-15.00D(0.05/0.12/0.25D)
	Angle of Corneal	1°~180°(1°step)
	Corneal diameter	2.0~14.00mm
Other	Monitor	5.6 inch of TFT monitors
	Printer	Fast thermal printer
	Power saving function	3、5 、10 minutes
	Power supply	AC100 ~ 240V 50/60HZ/90W
	Jaw panel	Max 55mm
	Data output	Rs-232interface, video output

Auto Ref/Keratometer

FR-8900/FKR-8900 Auto Ref/Keratometer

Features:

- leading optical technology, measuring good consistency and ensure measured data accurate and reliable.
- the most advanced image processing technology, make the image more clear, measurement speed is faster.
- integrating the optometry/corneal curvature measurement function.
- Humanized auxiliary focusing function, is the focus to capture more quick

Parameters:

Measurement Mode	K/R	Measure diopter and corneal curvature
	REF	Measure diopter
	KER	Measure corneal curvature
Diopter Measurement	Vertical distance	0.mm, 12.0mm, 13.75mm
	Sphere	-25.0~+22.00D(0.12/0.25Dsteps)(VD=12mm)
	Cylinder	-8.00D ~ +8.00D(0.12/0.25D steps)
	Axis	1°~180°(steps 1°)
	Pupil distance	45~85mm(accuracy 0.5mm)
	Minimum pupil diameter	Φ2.0mm
Corneal measurement	Charter	Auto fogging method
	Corneal diopter	33.00~67.00D(0.12/0.25D steps)
	Corneal Astigmatism	0.0 ~-15.00D(0.12/0.25D steps)
	Axis	1°~180°(steps 1°)
	Corneal diameter	2.0~12.00mm
Product specification	Display	5.7"TFT color LCD screen
	Printer	built-in printer
	Energy save	Auto monitor energy save, no operation for 5 minutes
	Power supply	AC100 ~ 240V,50/60HZ
	Dimension/Weight	275(W)*475(D)*435-465(H)mm/18kg

Auto Ref/Keratometer

AR-810A/ARK-810 Auto Ref/Keratometer

Features:

➢ New generation Auto Ref/Keratometer-completer Automatic functions;

➢ Automatic focus function,which makes measurement be more convenient;

➢ Automatic or manual measurement models are alternative;

➢ Automatic up and down function for the chinrest ,operator can easily adjust

   height of chinrest.

➢ Screen ' angle could be adjusted according to operator's request;

➢ Printer can cut printing paper automatically

Parameters:

Measurement mode	K/R mode	Refractive and Keratometer measurement.
	REF mode	Refractive measurement
	KEF mode	Corneal curvature measurement
Refractive measurement	Vertex Distance	0.0,12.0,13.75,15.0 mm
	Sphere	-20.00~+20.00D (0.12/0.25D step)(VD=12mm)
	Cylinder	0.00~±10.00D (0.12/0.25D step)
	Axis	1°~180°(1° step)
	Pupil Distance	30~85 mm
	Min. pupil diameter measurable	2.0mm
	Target	Automatic fogging target
Corneal curvature measurement	Radius of curvature	5~10mm(0.01mmstep)
	Corneal Refraction	33.00~67.00D(0.12/0.25Dstep)
	Corneal Astigmatism	0.00~-15.00D(0.12/0.25Dstep)
	Angle of corneal	1°~180°(1°step)
	Corneal diameter	2.0~12.00mm
Hardware specification	Monitor	5.7 inch Color LCD
	Printer	Auto detachment printer
	Power saving function	OFF, 5, 15 mins (selectable)
	Power supply	AC110~220 V,50/60HZ
	Dimensions/weight	288(W)*500(D)*480(H)mm/14kg

Auto Ref/Keratometer

RM-9000/KR-9000 Auto Ref/Keratometer

Features:

➢ Innovative designs, accord with the structure of human body engineering, to bring customers good aesthetic feeling and comfortable

➢ Light rack with integral casting, CNC machining, measuring system is more stable, good consistency color LCD display, 5.7 inches man-machine interface is more comfortable

➢ Using the ARM processor and the latest domestic image processing, the system is fast and the image is clear

➢ Japan's mature optical path system, humanized automatic mist measurement process, to reduce the error caused by adjustment, more precise measurements

➢ With Corneal curvature and diopter measurement function

➢ PD Automatic measurement function, automatically PD value

➢ key lock function, quickly locking mobile platforms

➢ Data transmission with AP-7000, improved efficiency of online

Parameters:

Measurement mode	K/R mode	Refractive and Keratometer measurement.
	REF mode	Refractive measurement
	KEF mode	Corneal curvature measurement
Refractive measurement	Vertex Distance	0.0,12.0,13.75,15.0 mm
	Sphere	-20.00~+20.00D (0.12/0.25D step)(VD=12mm)
	Cylinder	0.00~10.00D (0.12/0.25D step)
	Axis	1°~180°(1° step)
	Pupil Distance	30~85 mm
	Min. pupil diameter measurable	2.0mm
	Target	Automatic fogging target
Corneal curvature measurement	Radius of curvature	5~10mm(0.01mmstep)
	Corneal Refraction	33.00~67.00D(0.12/0.25Dstep)
	Cornea Astigmatism	0.00~-15.00D(0.12/0.25Dstep)
	Angle of Corneal	1°~180°(1°step)
	Corneal diameter	2.0~12.00mm
Hardware specification	Monitor	5.7 inch Color LCD
	Printer	Fast thermal printer
	Power saving function	OFF, 5, 15mins (selectable)

RM-9200/KR-9200 Auto Ref/Keratometer

Features:

➢ Japan's mature optical path system, humanized automatic mist measurement process, to reduce the error caused by adjustment, more precise measurements.

➢ Use the ARM processor and the latest domestic image processing, the system is fast and image is clear.

➢ Light rack with integral casting, CNC machining, measuring system is more stable, good consistency.

➢ Auto detachment printer, Auto tracking optical system, 5.7 inches tillable color LCD

➢ Data transmission with computerized vision tester, improved efficiency of online.

➢ Motorized chinrest, automatic tracing focus (Y-AXIS direction)

➢ With Corneal curvature and diopter measurement function (KR-9200)

Parameters:

Measurement mode	K/R mode	Refractive and Keratometer measurement.
	REF mode	Refractive measurement
	KEF mode	Corneal curvature measurement
Refractive measurement	Vertex Distance	0.0,12.0,13.75,15.0 mm
	Sphere	-25.00~+22.00D(0.12/0.25D step)(VD=12mm)
	Cylinder	0.00~±10.00D (0.12/0.25D step)
	Axis	1°~180°(1° step)
	Pupil Distance	10~85 mm
	Min. pupil diameter measurable	2.0mm
	Target	Automatic fogging target
Corneal curvature measurement	Radius of curvature	5~10mm(0.01mmstep)
	Corneal Refraction	33.75~67.50D(0.12/0.25Dstep)
	Corneal Astigmatism	0.00~-15.00D(0.12/0.25Dstep)
	Angle of corneal	1°~180°(1°step)
	Corneal diameter	2.0~12.00mm
Hardware specification	Monitor	7 inch Color touch LCD
	Printer	Auto detachment printer
	Power saving function	OFF, 5, 15 mins (selectable)
	Power supply	AC110~220 V,50/60HZ
	Dimensions/weight	288(W)*500(D)*480(H)mm/14kg

Auto Ref/Keratometer

RM-9600/KR-9600 Auto Ref/Keratometer

Features:

➢ Fashion and compact design.

➢ Adopt the ARM Cortex-A8 processor provides faster measurement.

➢ Advanced refraction measurement technology, image analysis more entirely,

➢ enable the reliable measurement result and optimize date consistency.

➢ Automatic identification the best measurement position for keratometry,

➢ avoid the operating error and enable the accurate Keratometry measurement.

➢ IOL function available

Parameters:

Measurement mode	K/R	Refraction/ Keratometry measurement
	REF	Refraction measurement
	KER	Keratometry measurement
Refraction measurement	Vertex Distance	0.0, 12.0, 13.75, 15.0mm
	Sphere	-25.00~+22.00DD(0.12/ 0.25D step)(VD=12mm)
	Cylinder	0.00~±10.00D(0.12/0.25 step)
	Axis	0~180°(1°step)
	Pupil Distance	10~85mm
	Minimum measurable pupil diameter	2.0mm
	Target	Automatic fogging target
Keratometry Measurement (KR-9600)	Curvature radius	5~10mm(0.01mm step)
	Refractive power	33.75D~67.50D(0.12/0.25D step)
	Cylindrical power	0.00~15.00D(0.12/0.25 step)
	Axis	0~180°(1°step)
	Corneal diameter	2.0~12.00mm
Hardware specification	Monitor	7.0 inch Color LCD
	Printer	Thermal printer with easy loading and auto cutter
	Power saving	5/15 minutes
	Data output	RS232/Bluetooth
	Power supply	AC100~240V, 50/60 HZ,50W
	Dimensions/Weight	262(W)*487(D)*467(H)mm/17.5kg

Auto Ref/Keratometer

RMK-700 Auto Ref/Keratometer

- **Digital refractometer**:Refractometer is Combination of modern optics, computer technology, for objective detection glasses refractive status an automation instrument.
- **Refractometer principle**:
- -Computer optometry to objective optometry, its principle and basic same retinoscopy,
  -using infrared light source and automatic fog visual device to relax the eye, the purpose of the regulation adopts photoelectric
- -technology and automatic control technology check diopter.
- Refractometer accuracy rating
- Exquisite workmanship, high quality design
- Smooth movement together With pure electric lifting, patient WIII experience
- the relaxing measurement process.

Parameters:

Technical parameter	
Vertex Distance:	0.0mm,12.00mm,13.5mm,15.00mm
Spherical Degree:	-20.00D~20.00D,(VD=12mm,step:0.12D/0.25D)
Cylinder degree :	0.00D~10.00D(step:0.12D/0.25D)
Axis:	1°~180°(step1°)
Cylinder symbol:	-, +, MIX
The degree of arming turning:	90°
Minimum pupil diameter:	2.0mm
Radius of curvature:	6.5mm~9.4mm(step:0.02mm)
Printer:	Thermal printer
Monitors :	6.4inch of TFT monitors
Power supply:	AC220V, 50Hz
Power:	75VA
size:	506mm x 269mm x 477mm
Weight:	About 21Kg

Handheld auto refractometer

▭MRT-180 Handheld auto refractometer

Features:

➢ Streamline design and sttractive appearance

➢ Metal material and gorgeous color.A variety of colors to be chose

➢ Easy operation:suitable for children,adolescents and adults

➢ Easy to carry,suitable for all kinds of occasions

➢ Self-check,do not need others' help

➢ Professional website service, interaction,sharing,and vision data

➢ permanent preservation

Parameters:

Specification:	
Suitable for	Children, adolescents and adults
Color	China Red(R), Sapphire(B), Harvest Yellow(G), Pink Drerm (P), Roland Purple(V), Titanium crystal Gray(S)
Spherical range	-12D to +6D
Spherical degree wide interval	0.5D
Spherical degree of tolerance	> -/+0.25D
Lighting	LED backlight, and the light is uniformity, constant, not reflective and not dazzling
Switch mode	LED lamp touch switch, instrument will shut down automatically after three minutes' shelving
Power	Three 7# batteries(AAA)
Service	Professional service website, Users can input personal vision information, Forecasts user's vision direction according to historical data, Provide vision care knowledge and glasses reference information, etc.
Net weight	299g
Packing size	200mm(L)X100mm(W)X65mm(H)

Handheld auto refractometer

SW-800 Handheld auto refractometer

Parameters:

Model:	SW-800
Operation Mode:	Bino/Mono
DS: Range:	-7.50D~+7.50D
Resolution:	0.25D/0.01D
Accuracy:	±0.50D
DC:Range:	0.00D to 3.00D
Resolution:	0.25D/0.01D
Accuracy:	±0.50D
Axis:Range:	1°~180°
Resolution:	1°
Accuracy:	±5°
Pupil size:	4.0 mm~9.0 mm
Resolution Range:	0.1mm
Accuracy:	±0.1 mm
Pupil distance:	35 mm~80 mm
Resolution:	1mm
Accuracy:	±1 mm
Gaze:	0° ~ 20°
Measuring distance:	1 m ± 5 cm
Time per measurement:	~1s
Fixation target:	Light flash, attractive sound
Data interface:	Wi-Fi,USB

Handheld auto refractometer

MRT-580 Handheld auto refractometer

Features:

- ➢ Objective and accurate refractive assessment
- ➢ Ideal for challenging patients such as infants, disabled patient
- ➢ Revolutionary design brings superior user experience

Parameters:

Spherical range	-12D to +12D
Spherical tolerance	-/+ 0.5D
Cylinder range	-5.0D ~ +5.0D
Cylinder tolerance	-/+ 0.5D
Axis of astigmatism range	1° ~ 180°
Data acquisition time	1s / eye
External	External must connect to PC and IPAD
Net weight	360g

Handheld auto refractometer

🔷 HAR-800/HAR-880 Handheld auto refractometer

Features:

Non-contact and non-invasive	The light power is safe for eyes;The working distance of the instrument is35cm(14inches)
Low cooperation need	It do not need too much cooperation of children.It is suitable for infants and disabled individuals.
Automatic operation by one key	Complete the automatic detection of two eyes just need one key operation.A speedy and intelligent design.
Easy to carry	Small and lightweight body and printer.Easy to carry.It is suitable for any outdoor screening.
Accurate result	The advanced optical detection principle provides an accurate result:including myopia, hyperopia, astigmatism,axial and anisometropia.
Comprehensive detection modes	Infant mode is specially designed for the babies' refraction characteristic; Myopia mode is specially designed for common myopia people and high myopia people; (HAR-880 only) Adult mode is suitable for all adults.
Dual mode distance hint	Through ultrasonic measurement of distance,it adopts sound and visual color light prompt the distance.
High performance battery	Short charging time and can use for a long time.
Large storage capacity	420 data storage.
Ultrasonic distance measurement	Automatic monitoring the detection distance through audible and visual hint.
Aiming	The cross-shape is luminous and easy for aiming.
Printer	Thermal printer by infrared connection.
Weight	0.9KG

Handheld auto refractometer

HAR-800/HAR-880 Handheld auto refractometer

Parameters for HAR-800/HAR-880:

	HAR-800	HAR-880
Working Deistance	Adult/enfant mode: 335 ± 10mm	Adult/enfant mode: 335 ± 10mm, myopia mode:268 ± 10mm
Deistance Detection	Automatic, with audible and visual cues	Automatic, with audible and visual cues
Data Acquisition Time	2s/eye	2s/eye
Reliability Measure	Indicates number of and variation among measurements for the given eye	Indicates number of and variation among measurements for the given eye
Battery Voltage	d.c.11.1V	d.c.11.1V
Battery Voltage	More than 6 hours of continuous usage	More than 6 hours of continuous usage
Low-battery Warning:	Indicates 15 minutes usage remains	Indicates 15 minutes usage remains
Wavelength	850 ± 20nm	850 ± 20nm
OUTPUTOFTHELASER Radiation	150~200μW	150~200μW
Detection Modes	Adult Mode, enfant mode	Adult Mode, enfant mode,myopia mode
Sphere range	+8.0 to -6.0 Diopters	+8.0 to -9.0 Diopters
Sphere tolerance	± 0.5 Diopters	± 0.5 Diopters
Cylinder Range	+3 Diopters	+3 Diopters
Cylinder tolerance	± 0.5 Diopters	± 0.5 Diopters
Axis of astigmatism range	1° ~ 180°	1° ~ 180°
Astigmatism tolerance	0.25D~1.00D : ± 10°	0.25D~1.00D : ± 10°
	1.25D~3.00D : ± 5°	1.25D~3.00D : ± 5°

Phoroptor

MP-5 Manual Phoroptor

Features:

➢ Adopting ergonomic operation with large scale and improving performance.

➢ Automatically interlock between cross -cylinder lens and lens coordinates

➢ More accurate, comfortable and easier to operate

Parameters:

Sphere range:	+16.75D~-19.00D (Step: 0.25D)
Cylinder range:	0.00D ~ -6.00D (Step: 0.25D) (0.00D~ 8.00D with auxiliary lens of-2.00D) (Step: 0.25D)
Cylinder axis:	0 to 180°, step: 5°
Cross-cylinder lens:	±0.25D
Rotary prisms:	0△ to 20△,1△ steps
P.D.adjustment:	48-75mm, 1mm steps
Dimensions:	320×295×97(mm)
Net weight:	4.5Kg
Standard accessories	near point card,reading rod dust cover,face mat,Lens accessorial instrument
Convergence adjustment	∞, 380mm(when P.D. 64mm)
Forehead rest adjustment	16mm
Standard accessory lens	circinal lens,double even lens

Phoroptor

MP-8 Manual Phoroptor

Features:

➢ -Equipped With comprehensive measuring functions, provides SPH, CYL, AXIS and pupil distance optometry

➢ -Durable and easy operate

➢ -Easily and intuitively read the sphere focal scale value

➢ -High eco-friendly materials

➢ -Design fitting the face curve and no stimulation

➢ -Easy to take and clean

➢ -Free switch between the cross-cylindrical lens and the rotary prism

Parameters:

Sphere	
Cylinder	Range: 0.00~-6.00m-1(Measuring Range With Accessories0.00~-8.00m-1) Step:0.25m-1
Cylinder Axial	Range: 0~180°, Step:5°
Cross Cylinder	±.25m-1
Rotating Prism	Range: 0~20 Step: 1
distance of Optical center (also known as Pupil)	Range:50~75mm Step:1mm
Sight Switch	Ran ge:∞~380mm(distance of Optical center is64mm)
Front Chin Rest	Range:0~16mm
Distance (from cornea vertex to the lens surface)	16mm
Standard Accessories Lens	two pieces of Auxiliary Cylinder -2.00m-1 and -0.12m-1 respectively
Standard Accessories	one piece of M2 Hexagon wrench , one piece of a Myopia Standard Card, two piece of Myopia Standard Card , one piece of standard card holder , a dust cover
size	338(L)×99(W)×292(H)mm
NW	about5kg

Phoroptor

MP-9 Manual Phoroptor

Feature:

➢ This device is applicable to ophthalmology department of hospitals and spectacle stores for precision measurement of visual functions such as myopia, hyperopia, astigmatism, eyesight balance, heterophoria, stereoscopic vision and eyesight amalgamation

➢ Top-grade quality View Tester in Far East

➢ Elegant design of butterfly-shape appearance

➢ High grade plated-film used in all optic lenses

Parameter:

Sphere range:	-19.00D~+16.75 (Step: 0.25D) with minimum reading 0.25D or 0.12D (When +0.12D auxiliary lens or optional±0.12D lens is in use)
Cylinder range:	0.00D ~ -6.00D (Step: 0.25D), with minimum reading 0.25D or 0.12D (when auxiliary lens is in use) (0.00D to 8.00D with additional lens of-2.00D)
Cylinder axis:	0 to 180°, 5°steps
Cross-cylinder lens:	±0.25D, reversal type (synchronized with astigmatic axis)
Rotary prisms:	0△ to 20△,1△ steps
P.D.adjustment:	48-75mm,1mm steps
Dimensions:	345×295×85(mm)
Net weight:	4.5Kg
Accessories:	Near Point Rod, Near Point Card, Retaining Screw, Accessory Box, Face Shield, Hexagon, Screw Driver, Accessory Lens, Instruction Manual

Phoroptor

MP-10 Manual Phoroptor

Features:

- applicable to ophthalmology department of hospitals and spectacle stores for precision measurement of visual functions such as myopia, hyperopia, astigmatism, eyesight balance, heterophoria, stereoscopic vision and eyesight amalgamation.
- Capable of checking up all-sided visual functions, accurate and comfortable in measurement
- Unique design of butterfly-shape appearance.
- Exquisite manufacturing technique, with comfortable feel
- High grade plated-film used in all optic lenses.

Parameters:

Sphere power:	Range: +1675D～－19.00D, Step: 0.25D
	When applied with auxiliary lens +0.12D, Step: 0.12D
Cylinder power:	Range: 0～－6.00D
	When applied with auxiliary cylinder lens －2.00D:
	0～－8.00D, Step: 0.25D
	When applied with auxiliary cylinder lens +0.12D
	Step: 0.12D
Cylinder axis:	Range: 0～180°
	Step: 5°
Cross cylinder:	±0.25D
Rotary prism:	Range: 0～20△
	Step: 1△
PD adjustment:	50～75mm
	Step: 1mm
Convergence adjustment:	∞, 380mm （When PD 64mm）
Forehead reat adjustment:	16mm
Vertex distance:	13.75mm (From corneal point to standard lens surface)
Dimension:	335（L）×320（W）×98（H） mm
Weight:	Approx.5kg

Phoroptor

MP-40 Manual Phoroptor

Features:

➢ Adopting ergonomic operation with large scale and improving performance.

➢ Automatically interlock between cross -cylinder lens and lens coordinates

Parameters:

Sphere range:	-19.00D-+16.75 (Step: 0.25D)
Cylinder range:	0.00D - -6.00D (Step: 0.25D)(0.00D to 8.00D with additional lens of-2.00D)
Cylinder axis:	0 to 180°, 5°steps
Cross Cylinder:	±25 diopters
Cross-cylinder lens:	±0.25D
Rotary prisms:	0 to 20,1 steps
P.D.adjustment:	48-75mm,1mm steps
Dimensions:	345*295*85(mm)
Net weight:	4.5Kg
Sphere powers range:	+16.75D to-19.00D,with minimum reading 0.25D or 0.12D
	When +0.12D auxiliary lens or optional±0.12D lens is in use +26.75D to-29.00D
	(When optional ±10.00D lens is in use)
Cylinder power range:	0 to-6.00D, with minimum reading 0.25D or 0.12D
	(when auxiliary lens is in use)
	0 to-8.00D
	(when-2.00D auxiliary lens is in use)
Astigmatic axis scale:	0 to 180° in 5° steps
Cross cylinder:	±0.25D
Reversal Type	(synchronized with astigmatic axis)
Rotary prism:	0 to 20D in 1D step
Interpupillary adjustment:	48mm to 80mm in 1mm
step	(right and left synchronized)
Forehead rest adjustment:	16mm backward and forward
Convergence:	The optical axes of the lenses are aligned at a distance of 400mm from the vertexes of the corneas
	(2mm each for right and left inward)
	Interpupillary distance enabling convergence
	57mm to 80mm Corneal distance

Phoroptor

MP-50 Manual Phoroptor

Features:

➢ Equipped with comprehensive measuring functions, provides SPH, CYL, AXIS and pupil distance optometry;

➢ Durable and easy to operate;

➢ Easily and intuitively read the sphere focal scale value;

➢ High eco-friendly materials;

➢ Design fitting the face curve and no stimulation;

➢ Easy to take and clean;

➢ Free switch between the cross -cylindrical lens and the rotatry prism.

Parameters:

Specification:	
Sphere range:	-19.00D~+16.75 (Step: 0.25m-1, 3.00m-1);
Cylinder range:	0.00D ~ -6.00D (measuring range with accessories 0.00 ~ -8.00m-1);
Step:	0.25m-1;
Cylinder axial:	range: 0~ 180° step:5°;
Cross cylinder:	± 0.25m-1;
Rotating prism:	range :0-20, step:1;
Distance of optical center	(also known as pupil);
Range:	50-75mm step: 1mm;
Sight Switch: range:	~~ 380mm(distance of optical center is 64mm)
From chin test:	range:0-16mm;
Distance(from cornea vertex to the lens surface):	16mm;
Standard accessories lens:	two pieces of auxiliary cylinder -2.00m-1 and 0.12m-1 respectively;
Standard Accessories:	one piece of M2 hexagon wrench, one piece of a myopia standard card
Two piece of myopia standard card,	one piece of standard card holder, a dust cover;
Size: 338*99*292mm;	338*99*292mm;
Net Weight:	about 5kg.

Phoroptor

🔲 MP-60 Manual Phoroptor

Features:

➢ Bottom lens with LED design

➢ Able to check ALL-SIDE visual function, accurate and comfortable measurement

➢ Automatically connect between cross-cylinder lens and lens coordinates.

➢ Exclusive Patented Product

➢ High grade plated film used in all optical lens;

➢ Colors available, such as silver,golden,black...etc or customized

Parameters:

Sphere power	Range	+16.75 to -19.00 diopters
	Step	0.25 diopters
Cylinder power	Range	0.00 to -6.00 diopters (0.00 to -8.00 diopters with additional lens of -2.00 diopters)
	Step	0.25 diopters
Cylinder axis	0 to 180°, 5°step	
Cross cylinder	±0.25 diopters	
Rotary prisms	0 to 20, 1 step	
Auxiliary lens dial	(O)-Open aperture (two positions)	
	(R)-Retinoscopic lens, +1.50D	
	(P)-Polarizing lens 45-left eye, 135-right eye	
	(WMV) or (RMV)-Maddox rod, vertical white-left eye red-right	
	(WMV) or (RMV)-Maddox rod, horizontal white-left eye red-right	
	(RL)-Red lens	
	(+.12)-+0.12D sphere	
	(PH)-Pin hole	
	(10 L) or (6 U)-10 base-in-left eye	
	6 base-up-right eye	
	(Dissociating prisms)(±.50)-±0.50 fixed cross cylinder	
	(OC)-Occluder	
PD adjustment	48~75MM, 1MM steps	
Standard accessory lenses	wo-.12D and -2.00 cylinder lenses, two plano lenses for sealing front opening	
Standard accessories	1 near point card with holder and reading rod, dust cover, face shield, accessory case for lenses	

Phoroptor

VT-100 Auto Phoroptor

Features:

- Provides various special visual functions,including qualitative and quantitative
- analysis of visual mechanisms represented
- Elegant design
- Multiple independent visual function test
- 3.00D adjustment available with the sphere fast rotating disk
- The unique cross cylinder design improving the convenience and flexibility
- Easy to measure near visual acuity
- Optional tablet available

Parameters:

Technical Specification	
Model	VT-100
Sphere	-29.00 ~ +26.75D(step: 0.25D / 0.5D / 1D / 2D / 3D)
Cylinder	0.00 ~ 8.75D (step: 0.25D / 0.5D / 1D / 2D / 3D)
Cylinder Axis	0 ~ 180°(step: 1 / 5 / 15 / 30 / 45°)
PD	far: 48 ~ 80 mm close: 45 ~ 75 mm(step: 0.5/1.0mm)
Working Distance	35 ~ 70 cm(step: 5 cm)
Prism	0 ~ 20 △(step: 0.1△ / 0.2△ / 0.5△ / 1△ / 2△)
Jackson Cross Cylinder	Jackson Cross Cylinder0.25D Jackson Cross Cylinder0.50D 0.25D Dual Cross Cylinder（separation prism）
Ophthalmoscope	+1.5D, +2.0D (measuring distance 67cm, 50cm)
Auxiliary Lenses	
Pinhole Lens	Φ 1mm
Maddox	Right (red/horizon),left(red/vertical))
Red and Green Lens	Right(red), left(green)
Polaroid	Right(135°, 45°),left(45°, 135°)
Separation Prism	Right (6△BU),left (10△BI)
Solid suprachiasmatic cylinder:	0.50D

Phoroptor

AP-7000 Auto Phoroptor

Features:

➢ Computerized
➢ Ergonomic keyboard,fast lens rotation.More convenient to use than manual phoropter.
➢ Several build-in auxiliary lenses enable more test functions to give better results.
➢ Can interface with Auto Chart Projector AC-150, Auto Refractometer RF-3500, to achieve synchronous data transmission and improve efficiency.
➢ Intelligent operation interface,convenient cross-cylinder test function.Built-in help menu provides user with clear instructions for all test functions.
➢ Can input customize programming according to the user examination routine
➢ 7.5 inches color LCD display.

Parameters:

Sphere	-29.00D~+26.75D 0.12D/0.25D/0.50D/1.00D/3.00D steps
Cylinder	-8.75D~+8.75D 0.25D steps
Axis angle	0~180° 1°/5°steps
Pupillary Distance	Distant range: 48~80mm 0.5/1mm steps
	Close range: 50~70mm 0.5/1mm steps
Rotary Prism	0~20△ 0.1 /0.5 /1.0△ steps
Cross Cylinder Lens	±0.25D/±0.50D
Plane Retinoscope	+1.50D(67cm)+2.00D(50cm)
Auxiliary Lens	PH Binoculus(∅=1.0mm)
	RMV,RMH
	RL(Right eye),GL(Left eye)
	Polaroid(Right eye 135°/45°; Left eye 45°/135°)
	Prism(Right 6△BU ,Left 10△BI)
	Cross Cylinder Lens (±0.50D Axis=90°)
	PD Lens
Major Size	436mm×260mm×110mm
Net Weight	7.2Kg
Keyboard Size	246mm×205mm×185mm
Power Box Size	292mm×186mm×124mm
Power Supply	AC 220V 50HZ or AC 110V 60HZ,90W

Phoroptor

AP-7200 Auto Phoroptor

Features:

➢ Data transmission with auto refractometer and auto projector

➢ Built-in LED for near vision illumination

➢ 7.0-inch color LCD touch screen

➢ Stylish and compact design

➢ Auto detachment printer

➢ Independent PD adjustment

Parameters:

Sphere	-19.00D~+16.75D 0.12D/0.25D/0.50D/1.00D/3.00D steps
Cylinder	-6.00D~+6.00D 0.25D steps
Axis angle	0~180° (1°/5°steps)
Pupillary Distance	Distant range: 52~80mm 0.5/1mm steps
	Close range: 50~80mm 0.5/1mm steps
Rotary Prism	0~20 0.1 /0.5 /1.0steps
Cross Cylinder Lens	±0.25D
Plane Retinoscope	+1.50D(67cm) +2.00D(50cm)
Auxiliary Lens	PH Binoculus(1.0mm)
	RMV,RMH
	RL(Right eye),GL(Left eye)
	Polaroid(Right eye 135°/45°; Left eye 45°/135°)
	Prism(Right 6BU ,Left 10BI)
	Cross Cylinder Lens (±0.50D Axis=90°)
	PD Lens
Phoropter Size	365mm×280mm×110mm 3.8kg
Keyboard Size	230mm×195mm×190mm 1.2kg
Power Box Size	236mm×126mm×115mm 2.1kg
Power Supply	AC 220V 50HZ or AC 110V 60HZ,90W
Net Weight	7.1kg

Phoroptor

VT-700 Auto Phoroptor

Features:

➢ -The 9.7 inch touchable screen

➢ -Easy to update the program

➢ -The 180°rotating screen providing the direct communication with customers

➢ -Various near visual and facilitating icons built in

➢ -Abundant online functions

➢ -Elegant With exquisite workmanship

➢ -More accurate measurement

➢ -True Color touch screen

Parameters:

Sphere	-29.00D~+26.75D (0.12D/0.25D/0.50D/1.00D//2.00/3.00D)
Cylinder	0.00D~+8.75D (0.25D/0.5D/1D/2D/3D steps)
Axis angle	0~180° (1°/5°/30°/45°steps)
Pupillary Distance	Distant range:45~75mm (0.5/1.00mm steps)
	Close range: 50~80mm 0.5/1mm steps
Working Distance	35-70cm (step: 5cm)
Rotary Prism	0~20 (0.1/0.2/0.5/1/2 steps)
Cross Cylinder Lens	Jackson cross cylinder 0.25D, Jackson cross cylinder 0.50D
Plane Retinoscope	+1.50D(67cm)+2.00D(50cm)
Auxiliary Lens	
Pinhole Lens	1.0mm
Maddox	Right eye (horizon), left eye (vertical)
Red and green lens	RL(Right eye),GL(Left eye)
Polaroid	Right eye (135°,45°); Left eye (45°,135°)
Prism	Right 6 BU, Left 10BI
Solid Suprachiasmatic cylinder	Jackson Cross Cylinder ±0.50D Axis=90°
Visual degree	32°
Phoropter Size	362mm×299mm×83mm 3.5kg
Keyboard Size	215mm×230mm×226mm 1.5kg
Junction box	266mm×72mm×240mm 1.3kg
Power Supply	AC110V-240V 50/60HZ,90VA
Net Weight	7.1kg

Phoroptor

AP-7600 Auto Phoroptor

Features:

➢ Compact and slim design, with smaller size, lens switch fast and smoothly, provide more comfortable optometry experience.

➢ Support data transmission with external devices such as Auto refractometer/Chart Monitor etc.

➢ Bluetooth wireless communication, provide freedom of movement.

➢ Simple operation interface, integrate abundant information.

Parameters:

Sphere	-19.00~+16.75D（0.25D/0.50D/1.00D/3.00D steps）
Cylinder	-6.00D~+6.00D 0.25D steps
Axis angle	0~180°（1°/5°steps）
Pupil distance	Distant range 52~80mm Close range 48~76mm 0.5/1mm steps
Rotary Prism	0~20△（0.1△/0.5△/1△ steps）
Cross Cylinder Lens	±0.25D
Retinoscope	+1.50D(67cm), +2.00D(50cm)
Auxiliary Lens	PH, Binoculus（¢=1.0mm）
	RMV/RMH
	RL(Right eye),GL（Left eye）
	Polaroid (Right eye 135°/45°), (Left eye 45°/135°)
	Prism (Right 3△BU , 6△BU), (Left 3△BD, 10△BI)
	Cross Cylinder Lens(±0.50D Axis=90°)
	PD Lens
CV head size	381mm×286mm×111mm 3.8kg
Table size	243mm×171mm×7mm 0.5kg
Power supply	AC220V 50Hz or AC110V 60Hz, 90W

Phoroptor Arm/Stand

PA-1 Phoroptor Arm

JG-1 Phoroptor Arm

PA-2 Phoroptor Stand

JG-2 Phoroptor Stand

JG-3 Phoroptor Stand

Accessories

Board Lenses

Optical Flipper

Spheres: Lenses Option: 0.25~3.00 (steps: 0.25)

Prisms(△): 0.50D,1.00D,1.50D,2.00D,2.50D,3.00D,

3.50D,4.00D,5.00,6.00,7.00,8.00,9.00,10.00

Prism

VB-15 Prism Bar

Diopter(△):1,2,3,4,5,6,8,10,12,14,16,18,20,25,30

HB-16 Prism Bar

Diopter(△):1,2,4,6,8,10,12,14,16,18,20,25,30,35,40.45

VB-15+HB-16 Prism Bar

LP-16 Loose prism

0.5,1,2,4,6,8,10,12,15,20,25,30,35,40,45,50,RF

LP-16H Loose prism with handle

LP-22 Loose prism

0.5,1,2,3,4,5,6,7,8,9,10,12,14,16,18,20,25,30,
35,40,45,50,RF

LP-22H Loose prism with handle

Manual Lensmeter

🟦 NJC-1 Manual Lensmeter

Features:
- ➤ Exquisite exterior shape;
- ➤ Advanced mechanical features;
- ➤ AC, DC dual-purpose power source;
- ➤ It is portable to test in hand or on desk at any time or anyplace.

Parameters:

Vertex power	range	+15D-20D
	step	0-(+-)10D for 0.125D(+-) 10D-(+-)15Dfor0.25D
Prismatic power	range	4 prism diopter
	step	1diopter
Cylindrical axis	range	0 to 180 degrees
	step	1 degree
Lenses accommodated	Diameter 20mm to 80mm	
Eyepiece focusing	-5D to +5D	
DC and AC	(DC)3V(AC)6V/3W	

🟦 LM-6 Manual Lensmeter

Features:
- ➤ Outer reading, ±25D measurement
- ➤ Wide field of vision observation, outer reading lensmeter
- ➤ Compensation Prism Available

Parameters:

Ranges of Measurement:	0 to ±25D
Minimum: Outer Reading	0.125D
Inner Reading	0.125D graduation up 0 to ±5D And 0.25D graduations over ±5D to ±25D
Digital:	0.01D
Cylinder Axis Range:	0~180°
Prismatic Power Range:	0~5△ prism diopters1△graduations with prism compensation device 0~20△Prism diopters,1△graduations
Prismatic Base Angle:	0~180° step 1°
Eyepiece Adjustment:	±5D
Dimension of Objective Lens:	Φ16~Φ86mm
Overall Size:	275×120×430mm
Weight:	4kg
Lighting Bulb:	~220V/-3V 3W or ~110V/-3V 3W

Manual Lensmeter

🔲 LM-7 Manual Lensmeter

Features:

➢ Internal reading, ±25D measurement

➢ Wide field of vision observation, internal reading lensmeter

➢ Compensation Prism Available

Parameters:

Ranges of Measurement:	0 to ±25D	
Minimum: Outer reading	0.125D	
Inner Reading	0.125D graduation up 0 to ±5D, And 0.25D graduations over ±5D to ±25D	
Digital:	0.01D	
Cylinder Axis Range:	0~180° step 1°	
Prismatic Power Range:	0~5△ prism diopters 1△graduations with prism compensation device 0~20 △Prism diopters, 1△graduations	
Prismatic Base Angle:	0~180°	
Eyepiece Adjustment:	±5D	
Dimension of Objective Lens:	Φ16~Φ86mm	
Overall Size:	275×120×430mm	
Weight:	4kg	
Lighting Bulb:	~220V/-3V 3W or ~110V/-3V 3W	

LM-8 Manual Lensmeter

Features:

➢ Internal reading, ±25D measurement

➢ Wide field of vision observation, internal reading lensmeter

➢ Compensation Prism Available

Parameters:

Ranges of Measurement:	0 to ±25D	
Minimum: Outer reading	0.125D	
Inner Reading	0.125D graduation up 0 to ±5D, And 0.25D graduations over ±5D to ±25D	
Digital:	0.01D	
Cylinder Axis Range:	0~180° step 1°	
Prismatic Power Range:	0~5△ prism diopters 1△graduations with prism compensation device 0~20 △Prism diopters, 1△graduations	
Prismatic Base Angle:	0~180°	
Eyepiece Adjustment:	±5D	
Dimension of Objective Lens:	Φ16~Φ86mm	
Overall Size:	275×120×430mm	
Weight:	4kg	
Lighting Bulb:	~220V/-3V 3W or ~110V/-3V 3W	

Manual Lensmeter

LM-9 Manual Lensmeter

Features:

➢ Internal reading, ±25D measurement

➢ Wide field of vision observation, internal reading lensmeter

➢ Compensation Prism Available

Parameters:

Ranges of Measurement:	0 to ±25D
Minimum: Outer reading	0.125D
Inner Reading	0.125D graduation up 0 to ±5D, And 0.25D graduations over ±5D to ±25D
Digital:	0.01D
Cylinder Axis Range:	0~180° step 1°
Prismatic Power Range:	0~5△ prism diopters 1△graduations with prism compensation device 0~20 △Prism diopters, 1△graduations
Prismatic Base Angle:	0~180°
Eyepiece Adjustment:	±5D
Dimension of Objective Lens:	Φ16~Φ86mm
Overall Size:	275×120×430mm
Weight:	4kg
Lighting Bulb:	~220V/-3V 3W or ~110V/-3V 3W

NJC-4 Manual Lensmeter

Features:

➢ Wide observation vision field

➢ Classic shape, Favorable price

➢ Both power: DC or AC

➢ Compensation Prism Device OPTION

Parameters:

Range of measurement	-20D~+20D	
Minimum scale value	-5D~+5D 0.12D steps	
	-5D~-20D & +5D~+20D 0.25D	
Astigmatism axis angle of cylindrical lens	0~180° Minimum scale value 1°	
Prism degree	0~5Δ Minimum scale value 1Δ	
	with prism compensation device	
	0~20Δ Minimum scale value 1Δ	
Prism basal angle	0~180°, Minimum scale value 1°	
Range of ocular visibility adjustment	20mm ~ 85mm	
Size of measured lens	Wooden case size:	930 mm x620 mm x340 mm
Power	AC 220V/110V /DC 3V	

Manual Lensmeter

NJC-5 Manual Lensmeter

Features:

➢ Wide observation vision field

➢ Classic shape, Favorable price

➢ Both power: DC or AC

➢ Compensation Prism Device OPTION

Parameters:

Vertex power	range	+15diopter -15diopter
	step	0.12D
Prismatic power	range	5 prism diopter
	step	1diopter
Cylindrical axis	range	0 to 180 degrees
	step	1 degree
Lenses accommodated	Diameter 20mm to 80mm	
Eyepiece focusing	-5D to +5D	
DC and AC	(DC)3V(AC)6V/3W	

NJC-6 Manual Lensmeter

Features:

➢ ±25D measurement range

➢ Wide observation vision field

➢ Classic shape, Favorable price

➢ Both power: DC or AC

➢ Compensation Prism Device OPTION

Parameters:

Eyepiece focusing range	+/-5D
The minimum measuring square value	-25D-+25D
Step:	0.125D
The shuttle lens measuring range	18
The shuttle lens square value	1
The cylinder lens axial range	0-180°
The cylinder lens axial square value	100mm
Maximum diameter of measured lenses	50-75mm step: 1mm;
The Bulb	AC 220V/110V-6V DC3V

Manual Lensmeter

NJC-6A Manual Lensmeter

Features:

➢ This device is applicable to all-level measurement testing departments, spectacles manufacturers, spectacles retail stores, hospitals or clinics of ophthalmic departments, and some optical elements factories for conducting measurement of spherical and cylindrical diopter, astigmatism axis angle of cylindrical lens, and prism basal angle.

➢ 25D measurement range

➢ Wide observation vision field

➢ Classic shape, Favorable price

➢ Certificates: ISO13485 FDA CE RoHS

➢ Both power: DC or AC

➢ Compensation Prism Device OPTION

Parameters:

Eyepiece focusing range	+/-5D
The top point diopter measuring range	-25D-+25D
The minimum measuring square value	0.125D
The shuttle lens measuring range	18
The shuttle lens square value	1
The cylinder lens axial range	0-180°
The cylinder lens axial square value	1°
Maximum diameter of measured lenses	100mm
The lighting	AC220V/110V-6V DC3V

CCQ-400 Manual Lensmeter

Features:

➢ LED light source: the more energy efficient, without having to replace light bulbs, and to meet EU requirements on light sources

➢ User-friendly design: Adds silicone on tablet RBI handle,makes user feel more comfortable; Using more softer materies on measurement holder, to avoid scratches on the lenses.

➢ Can be converted to battery power supply (special order)

➢ Security power: switch power adapter, low voltage,more safer

➢ Internal reading

➢ ±25D measurement

➢ Wide field of vision observation

Parameters:

Specification:	
Range of measurement:	－25D~＋25D
Minimum scale value:	－5D~＋5D:0.125D;
	－5D~－25D、＋5D~＋25D:0.25D
Astigmatism axis angle of cylindrical lens:	0～180°Minimum scale value 1°
Prism degree:	Model A 0~5△Minimum scale value 1△
	Model B (with prism compensator)
	0~20△Minimum scale value 1△
Prism basal angle:	0~180°Minimum scale value 1°
Range of ocular visibility adjustment:	－5D~＋5D
Size of measured lens:	Φ16~Φ80mm
Overall dimensions:	280mm(L)×150mm(W)×450mm(H)
Weight:	Model A 4.9 kg
	Model B (with prism compensator) 5 kg
Lamp of illumination:	220V / 110V 15W

Manual Lensmeter

CCQ-500 Manual Lensmeter

Features:

➢ LED light source: the more energy efficient, without having to replace light bulbs, and to meet EU requirements on light sources

➢ Can be converted to battery power supply (special order)

➢ user-friendly design: Adds silicone on tablet RBI handle,makes user feel more comfortable;Use more softer materials on measurement holder, to avoid scratches on the lenses.

➢ Security power: switch power adapter, low voltage, safer

Parameters:

Features:	±25D measurement
	Wide field of vision observation
Main techonical indexes:	
Range of measurement:	－25D～＋25D
Minimum scale value:	－5D～＋5D : B1680.125D;
	－5D～－25D、＋5D～＋25D: 0.25D
Astigmatism axis angle of cylindrical lens:	0°～180°Minimum scale value 1°
Prism degree:	Model A 0～5△Minimum scale value 1△
	Model B (with prism compensator)
	0～20△Minimum scale value 1△
Prism basal angle:	0～180°Minimum scale value 1°
	180°～360°Minimum scale value 5°
Range of ocular visibility adjustment:	－5D～＋5D
Size of measured lens:	Φ16～Φ80mm
Overall dimensions:	280mm(L)×150mm(W)×450mm(H)
Weight:	Model A 4.9 kg
	Model B (with prism compensator) 5 kg
Lamp of illumination:	220V/110V 15W

Auto Lensmeter

D-903 Auto Lensmeter

Features:

➢ Compact and light

➢ Tilting TFT color LCD touch screen(5.6'')clear view, easy and convenient operation.

➢ Built-in thermal printer, and also can be connected to computer,
    and display the data on computer.

➢ Built-in UV tester, PD measuring, Automatic progressive measuring

➢ Memory Function

Parameters:

Measure scope	Sphere	0~±25D 0.01/0.12/0.25D steps
	Cylinder	0~±9.99D 0.01/0.12/0.25D steps
	Axis	0°~180° (1°step)
	ADD	0~+9.99D 0.01/0.12/0.25D steps
	prism degree	0~15 Δ 0.01/0.12/0.25 Δ steps
Mode	cylinder	+,+/-,-
	prism	X-Y,P-B
	Contact lens	Soft/hard
	Measuring mode	Single/progressive/ automatic recognition contact lens
Others	Diameter of lens	Ø 20~108mm
	PD:	45~90mm, 0.25mm steps
	Speed	0.1S
	ABBE	30~60
	Display	TFT LCD (5.6")
	Printer	Thermal print
	Dimensions	222(D)×161(W)×372(H)mm
	Package	515(H)×320(W)×360(D)mm
	Weight	~5KG
	Power supply	100~120V/200~220V 50/60HZ

JD-2000/JD-2000B Auto Lensmeter

Feature:

➢ Difference:

JD-2000 AUTO LENSMETER with UV and printer

JD-2000B AUTO LENSMETER without UV and printer

JD-2000/JD-2000B Tilting LCD display screen

JD-2000/JD-2000B Tilting color screen provides you with clear view from

any position such as sitting and standing.

Parameter:

		JD-2000	JD-2000B
Measure scope	Sphere	0~±25D 0.01/0.12/0.25D steps	0~±25D 0.01/0.12/0.25D steps
	Cylinder	0~±9.99D 0.01/0.12/0.25D steps	0~±9.99D 0.01/0.12/0.25D steps
	Axis	0°~180° (1°step)	0°~180° (1°step)
	ADD	0~+9.99D 0.01/0.12/0.25D steps	0~+9.99D 0.01/0.12/0.25D steps
	prism degree	0~15 Δ 0.01/0.12/0.25 Δ steps	0~15 Δ 0.01/0.12/0.25 Δ steps
Mode	cylinder	+,+/-,-	+,+/-,-
	prism	X-Y,P-B	X-Y,P-B
	Contact lens	Soft/hard	Soft/hard
	Measuring mode	Single/progressive/ automatic recognition	Single/progressive/ automatic recognition
Others	Diameter of lens	Ø 20~108mm	Ø 20~108mm
	PD:	40~90mm, 0.5mm steps	40~90mm, 0.5mm steps
	Speed	0.1S	0.1S
	Display	7" LFT LCD	7" LFT LCD
	Printer	Thermal print	No Printer
	Dimensions	196x286x442mm	196x286x442mm
	Weight	~6KG	~6KG
	Power supply	100V~240V 50/60HZ	100V~240V 50/60HZ

Auto Lensmeter

⬜ JD-2600 Auto Lensmeter

Feature:

➢ Sensitive touch LCD display screen

You just touch the screen to finish your measurement, the operation could be easier and more convenient.

➢ Measurement menu

Easy to use with recognizable icons.

The JD-2000 series provide a user-friendly graphical interface for an immediate understanding.

➢ Progressive measurement

A graph helps the operator to improve accuracy and speed in the measurement of near and far vision.

Automatic recognition of single and progressive lens

➢ Hi-speed UV measurement

Just hold the lens through the sensor, the display will easily indicate the UV measurement by the progress bar.

➢ Built-in thermal printer

Quick data print with built-in printer. Easy to reload printing paper.

Parameters:

Measure scope	Sphere	0~±25D 0.01/0.12/0.25D steps
	Cylinder	0~±9.99D 0.01/0.12/0.25D steps
	Axis	0°~180° (1°step)
	ADD	0~+9.99D 0.01/0.12/0.25D steps
	prism degree	0~15 Δ 0.01/0.12/0.25 Δ steps
Mode	cylinder	+,+/-,-
	prism	X-Y,P-B
	Contact lens	Soft/hard
	Measuring mode	Single/progressive/ automatic recognition
Others	Diameter of lens	Ø 20~108mm
	PD:	45~90mm, 0.5mm steps
	Speed	0.1S
	Display	7" LFT LCD
	Printer	Thermal print
	Dimensions	216×300×456mm
	Weight	~6KG
	Power supply	100~120V/200~220V 50/60HZ

Auto Lensmeter

JD-2600A Auto Lensmeter

Features:

- Compact and light
- Tilting TFT color LCD touch screen(7'')clear view, easy and convenient operation.
- Built-in thermal printer, and also can be connected to computer, and display the data on computer.
- Built-in UV tester, PD measuring, Automatic progressive measuring
- Memory Function

Parameters:

Measure scope	Sphere	0~±25D 0.01/0.12/0.25D steps
	Cylinder	0~±9.99D 0.01/0.12/0.25D steps
	Axis	0°~180° (1°step)
	ADD	0~+9.99D 0.01/0.12/0.25D steps
	prism degree	0~15 Δ 0.01/0.12/0.25 Δ steps
Mode	cylinder	+,+/-,-
	prism	X-Y,P-B
	Contact lens	Soft/hard
	Measuring mode	Single/progressive/ automatic recognition contact lens
Others	Diameter of lens	Ø 20~108mm
	PD:	45~90mm, 0.25mm steps
	Speed	0.1S
	ABBE	30~60
	Display	LFT LCD (7")
	Printer	Thermal print
	Dimensions	222(D)×161(W)×372(H)mm
	Package	515(H)×320(W)×360(D)mm
	Weight	~5KG
	Power supply	100~120V/200~220V 50/60HZ

Auto Lensmeter

LM-700 Auto Lensmeter

Feature:

➢ LM-700 Lensmeter can measure the single focal, Bi-focal and progressive lens simply, quickly and accurately

➢ More accurately measurement under the Hartmann principle

➢ QR code printing without paper

➢ The all-in-one printer provides better solution for printing paper replacement

➢ High-resolution true color screen

➢ User-friendly menu for progressive measurement

➢ Self-calibration function of software

Parameters:

Measuring range	Sphere: 0 to ±25D （0.01D/0.06D/0.12D/0.25D steps)
	Cylinder: 0 to ±10D （0.01D/0.06D/0.12D/0.25D steps)
	Axis: 0°to 180°（1°step)
	Under plus degree: 0 to 10D
	Prism basal angle: 0° -360°
Cylinder mode:	+, +/-, -
Prism degree	Horizontal Direction 15△
	Vertical Direction 20△
Lens size	7~110mm
Lens thickness	<=20mm
UV transmissvity	yes
Range of PD	30~100mm
Range of PH	4~55mm
Power source:	AC100(±10%)~240(±10%)V, 50/60HZ, 40VA
Power Adapter	AC110V~20V
Weight:	5kg
Dimensions:	203×240×480mm （W×D×H）

Auto Lensmeter

TL-6500 Auto Lensmeter

Features:

➢ 7.0 inch color LCD touch panel

➢ Hartmann sensor with 108 multiple measure points

➢ Green measurement light beam

➢ Dyeing lens, sunglasses measured easily

Parameters:

	Measurement Range
Sph. Lenses	0~±25D
Cyl. Lenses	0~±10D
Cyl. Axis Angle	0~180°
Prism	0~10△
ADD	0~10D
Power Supply	AC 100~240V, 50/60HZ, 30W
Dimension	215(W)×252(D)×428(H)
Weight	5.0kg

TL-6800 Auto Lensmeter

Features:

➢ Adapt to the measurement of ultra-low transmittance lenses (≥5%), can measure darker colored sunglasses, dyed films lenses, polarizer lenses

➢ Hartmann sensor with 108 multiple measure points

➢ Green measurement light beam

➢ Dyeing lens, sunglasses measured easily

➢ Data can be transmitted to the auto refractometer by Bluetooth

Parameters:

Sph. Lenses	0~±25D	0.01D、0.06、0.12D、0.25D
Cyl. Lenses	0±10D	0.01D、0.06、0.12D、0.25D
Cyl. Axis Angle	0~180°	1°
Prism	0~20Δ	0.01Δ
ADD	0~10D	0.01D、0.06D、0.12D、0.25D
Lens Diameter	Φ10mm~Φ119mm	
Dimension	203(W)×233(D)×471(H)	
Weight	4.5KG	

Auto Lensmeter

CCQ-800 Auto Lensmeter

Features:

➢ Advanced third-generation technology

➢ Hartman testing method

➢ Green LED Light source,direct reading, no read for ABBE compensation

➢ Wide dioptor and prism measurement range for Spherical lens, Cylindrical lens

➢ Progressive multi-focal lens, hard and soft contact lens

➢ Low transmittance lens and low astigmatism lens measurable

➢ Bigger TFT touch screen- Leader of simple and fast operation

➢ PD, PH, UV, and Thermal printing function

➢ Many technology and design patents

Parameters:

pherical power:	-25m-1~+25m-1
Cylindrical Power:	-9.99m-1~+9.99m-1
ADD power:	-9.99m-1~+9.99m-1
Spherical power(Contact lens):	-20m-1~+20m-1
Prism basal angle:	0~360°, 1° increments
Axis:	0~180°
Applicable frame lag length:	0~158mm
Applicable lenses:	10mm~90mm
Prism power:	0~15(horizontal direction)
	0~15(vertical direction)
	0.01 increments
PD Measurement::	PD=42mm~82mm
UV Transmittance:	Qualitative measurement
Power source:	DC 12V, 45VA
Overall dimensions:	235mm(L)×246mm(W)×487mm(H)
Weight:	6 kg
Power Adapter:	110V-240V, 50Hz-60Hz

Auto Lensmeter

LA-350 Auto Lensmeter

Features:

- Automatic identifying the lens type, Automatic measurement, Automatic reading and memorize the data
- Latest international designing concept of collecting technology, mode and individuality
- Broad contents, strong performances, simple and convenient operation
- Hartman testing method, CPU high-speed precise computing
- Green LED light source, ABBE compensation no required
- 5.7 inch high resolving power LED screen

Parameters:

Measuring range	Sphere: 0 to ±35D（0.01D/0.06D/0.12D/0.25D steps)
	Cylinder: 0 to ±10D （0.01D/0.06D/0.12D/0.25D steps)
	Axis: 0°to 180°（1°step)
	ADD: 0 to 10D （0.01D/0.06D/0.12D/0.25D steps)
	Prism: 0 to 15△(0.01△)
Cylinder mode:	+, +/-, -
Prism mode:	X-Y: cartesian coordinates H:I,O; V:U,D.
	P-B: polar coordinates
	mm: mm expression
Reading resolving power:	0.01D,0.06D,0.12D,0.25D
PD measure, Measure single vision lens,bifocal lens, trifocals lens and progressive lens,etc	
Contact lens measurement, UV transmissivity	
Measurable transmissivity:	＞10%; ＞20% at ±10D and over
Contact lens:	0 to ±25D, BC 6.00 to 9.00
Display:	5.7 TFT LCD
Menu:	readable diagram, easy operation
Lens diameter:	20mm~100mm
Power source:	AC100(±10%)~240(±10%)V, 50/60HZ, 40VA
Power consumption:	40W
Weight:	4kg
Dimensions:	190×210×420mm （W×D×H）
Environmental condition:	Temperature: 5℃~40℃（in usage） 　　　　　　-20℃~60℃（in storage/transference） Humidity: 30~85%（non-condensing）（in usage） 　　　　　10~95%（in storage/transference） Atmospheric pressure: 700~1060hpa Altitude: up to 2000m Caution: no harmful dust or smoke
Optional accessories :	printer(built-in thermosensitive paper size:57mm)

Visual Tester Software

CP-27B Visual Tester Software

Features:

➤ Professional visual software widely used in optical shop and can just need to be installed on the common household LCD computer (14 inches, 17 inches, 19 inches are all available.)

➤ 9 series visual charts: Chart E, Chart C, Alphabet Chart, 123 chart, Child Chart, Astigmatism Chart, Achromatopsia Chart, Synthesis Chart and Ophthalmic pictures.

➤ LCD screen display in Sudoku mode, easy and convenient to use.

Parameters:

PC	USB watching
Available LCD computer	14 inches, 17 inches, 19 inches
Control	Remote control
Selectable distance	6.3 m, 5 m, 4 m, 3 m , 2.5 m, 2 m, 1.5 m, 1.2 m, 1 m
Include	Installation CD X 1 Remote Control X 1 USB Watchdog X 1 Standard Ruler X 1 User's Manual X 1
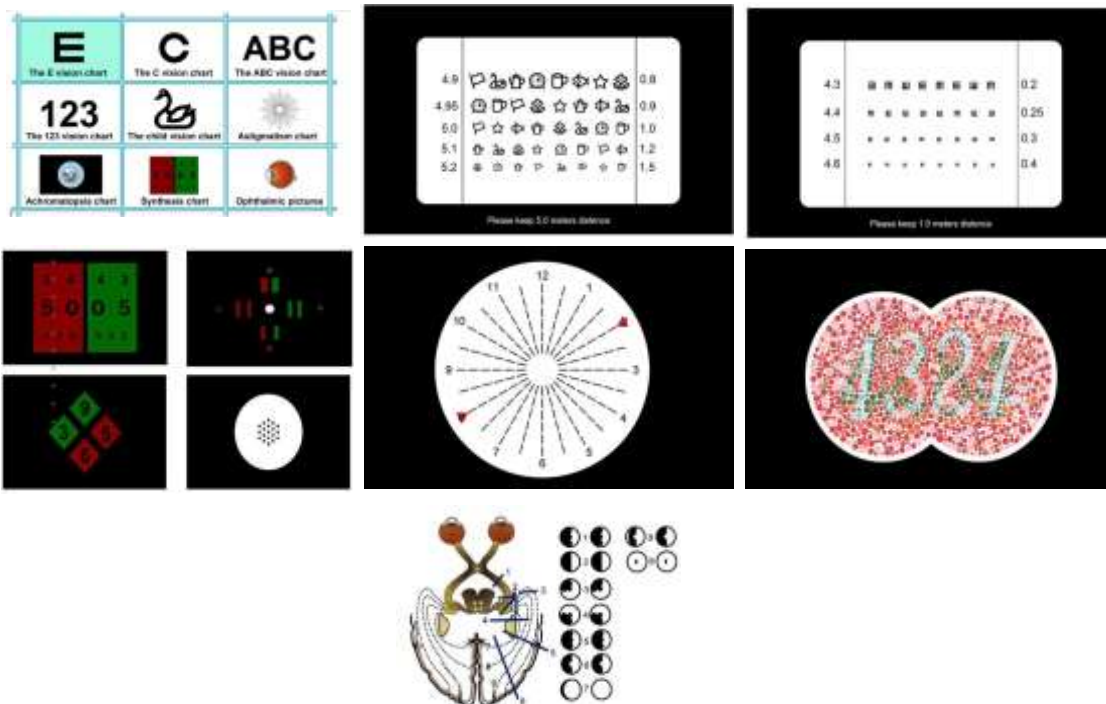
Auto Chart Projector

ACP-6 Auto Chart Projector

Features:

➢ Body rotation and flexible: Spherical Pillarless projector to facilitate multi-angle rotation.

➢ Grating function: With grating function can be realized view single or in a separate display.

➢ Filter function: Filter function can be realized red / green display.

➢ Clear picture of the High-definition projection screen.

Parameters:

Specifications:	
Icon:	31 to choose
Icon to select the speed of:	0.3Seconds
Show:	The whole site as the standard display
	Single visual target display
	Separate visual target display
	A single visual target display
Filter Color:	Red / Green
Projector Distance:	2.0m-7.0m(5m is Standard)
Image expansion of multiple:	30×（5m）
Projection size:	φ252mm, 330(W)×225(H)mm(5m)
Tilt:	Ball Joints
Light:	6V 20W(Halogen), or 5V 5W (LED Light) Optional
Power:	AC220-240V 50/60Hz
Power:	50VA
Auto-standby function:	3-10minutes
Size:	Host:265(H)×230(W)×360(D)
	Remote:20(H)×61(W)×180(D)
Neigh weight:	Host:6.0kg
	Remote:180g
Accessories:	Spare bulb, depending on the standard plate, spare fuses, batteries

Auto Chart Projector

ACP-7 Auto Chart Projector

➢ Adopting the latest national liquid crystal eye chart standard containing 31 international visual targets including "E" letters, "C" letters and figures

➢ More accurate measurement according to the latest national liquid crystal eye chart standard

➢ Stable operation

➢ Easy to operate

➢ Sophisticated appearance and delicate workmanship

➢ 0 .3 second response rate

➢ Various Kinds Of Charts (A,B,C,D,F)

Parameters:

icon	32 selections
Speed of choosing icon	0.3Seconds
Display	The whole site as the standard display Single visual target display Single row visual target display single visual target display
Filter Color	Red / Green
Projector Distance	2.0m-7.0m(5m is Standard)
Image expansion of multiple	30×(5m)
Projection size	252(L)mmx330(W)×225(H)mm(5m)
Tilt	Ball Joints
Light	6V 20W(LED)
Power	AC220V+/-10%, 50/60Hz
Power	50VA
Auto-standby function	3-10minutes
Size	Host:364(H)×240(W)×240(D) Remote:20(H)×61(W)×180(D)
NW	Host:6.0kg Remote:180g

Auto Chart Projector

Charts of ACP-6 & ACP-7

No.				Type	Range	Chart
1	ACP-6/7/8	ACP-6/8-JP01-04	ACP-6/7/8 视力盘 (A型)	英文视标	0.05-1.5	0.05 K — 0.1 HRN / 0.15 FDA — 0.2 ZDTCE / 0.3 EKNVH / 0.4 OLRFA — 0.5 KCAEH / 0.6 ZTOKV / 0.7 CFLDN — 0.8 TOEPL / 0.9 VHZTA / 1.0 HAFND — 1.0 KENLV / 1.2 TDEVO / 1.5 ZKVFD
				数字视标	0.1-1.5	0.1 235 / 0.15 689 — 0.2 65893 / 0.3 29386 / 0.4 93568 — 0.5 82635 / 0.6 26389 / 0.7 69523 — 0.8 98653 / 0.9 25968 / 1.0 56389 — 1.0 63589 / 1.2 86395 / 1.5 39826
				E字视标	0.1-1.5	0.1 ΜΕШ / 0.15 ЗΜΕ — 0.2 / 0.3 / 0.4 — 0.5 / 0.6 / 0.7 — 0.8 / 0.9 / 1.0 — 1.0 / 1.2 / 1.5
				儿童视标	0.1-1.0	0.1 / 0.2 / 0.4 — 0.6 / 0.8 / 1.0
2	ACP-6/7/8	ACP-6/8-JP01-04B	ACP-6/7/8 视力盘 (B型)	英文视标	0.05-1.5	0.05 E — 0.1 HRN / 0.15 FDA — 0.2 ZDTCE / 0.3 EKNVH / 0.4 OLRFA — 0.5 KCAEH / 0.6 ZTOKV / 0.7 CFLDN — 0.8 TOEPL / 0.9 VHZTA / 1.0 HAFND — 1.0 KENLV / 1.2 TDEVO / 1.5 ZKVFD
				数字视标	0.2-1.0	0.2 65893 / 0.3 29386 / 0.4 93568 — 0.5 82635 / 0.6 26389 / 0.7 69523 — 0.8 9865 / 0.9 2596 / 1.0 5638
				E字视标	0.1-1.0	0.1 ΜΕШ / 0.15 ЗΜΕ — 0.2 / 0.3 / 0.4 — 0.5 / 0.6 / 0.7 — 0.8 / 0.9 / 1.0
				儿童视标	0.1-1.0	0.1 / 0.2 / 0.4 — 0.6 / 0.8 / 1.0
				C字视标	0.2-1.5	0.2 / 0.3 / 0.4 — 0.5 / 0.6 / 0.7 — 0.8 / 0.9 / 1.0 — 1.0 / 1.2 / 1.5
3	ACP-6/7/8	ACP-6/8-JP01-04C	ACP-6/7/8 视力盘 (C型)	英文视标	400-10	400 E — 200 HRN 100 AKL / 150 FDA 80 ECD — 70 ZDTCE 40 KCAEH 20 TOEPL / 60 EKNVH 30 ZTOKV 15 VHZTA / 50 OLRFA 25 CFLDN 10 HAFND
				数字视标	200-10	200 235 100 592 / 150 689 80 863 — 70 82635 40 98653 20 63589 / 60 26384 30 25948 15 86395 / 50 64523 25 56389 10 39426
				E字视标	100-10	100 ΜΕШ / 80 ЗΜΕ — 70 / 60 / 50 — 40 / 30 / 25 — 20 / 15 / 10
				儿童视标	100-20	100 / 80 / 60 — 40 / 30 / 20
4	ACP-6/7/8	ACP-6/8-JP01-04D	ACP-6/7/8 视力盘 (D型)	俄文字母视标	0.05-1.5	0.05 Ш — БИШ 0.1 / КМЫ 0.15 — КНЫИБ 0.2 / НМБЫИ 0.3 / БЫНМК 0.4 — МНИКШ 0.5 / НШБЫИ 0.6 / БИНКШ 0.7 — ШШМБН 0.8 / ИБШМК 0.9 / КЫБШИ 1.0 — ИМШНИ 1.0 / ШНКМБ 1.2 / МИНКШ 1.5
				数字视标	0.2-1.0	65493 0.2 / 29386 0.3 / 93564 0.4 — 82635 0.5 / 26349 0.6 / 69523 0.7 — 48653 0.8 / 25948 0.9 / 56389 1.0
				E字视标	0.1-1.0	ΜΕШ 0.1 / ЗΜΕ 0.15 — 0.2 / 0.3 / 0.4 — 0.5 / 0.6 / 0.7 — 0.8 / 0.9 / 1.0
				C字视标	0.2-1.5	0.2 / 0.3 / 0.4 — 0.5 / 0.6 / 0.7 — 0.8 / 0.9 / 1.0 — 1.0 / 1.2 / 1.5
				儿童视标	0.1-1.0	0.1 — 0.2 / 0.4 — 0.8 / 1.0
5	ACP-6/7/8	ACP-6/8-JP01-04F	ACP-6/7/8 视力盘 (F型)	儿童视标	0.05-1.0 (3.7-5.0)	0.05 3.7 / 0.1 4.0 — 0.2 4.3 / 0.4 4.6 — 0.6 4.8 / 0.8 4.9 / 1.0 5.0
				E字视标	0.1-2.0 (4.0-5.3)	
				C字视标	0.1-2.0 (4.0-5.3)	
6	ACP-6/7/8	ACP-6/8-JP01-04G	ACP-6/7/8 视力盘 (G型)	英文视标	400-10	400 F — HRN 200 / FDA 150 — ZDTCE 100 KCAEH 60 TOEPL 30 KENLV 20 ENHKV 60 / EKNVH 80 ZTOKV 50 VHZTA 25 TDEVO 15 HEACK 40 / OLRFA 70 CFLDN 40 HAFND 20 ZKVFD 10 OTPLE 25
				数字视标	200-10	235 200 / 689 150 — 65893 100 82635 60 98653 30 63589 20 98263 60 / 29386 80 26389 50 25968 25 86395 15 23856 40 / 93568 70 69523 40 56389 20 39826 10 46389 25
				C字视标	200-10	200 / 150 — 100 60 30 20 60 / 80 50 25 15 40 / 70 40 20 10 25
				儿童视标	200-20	200 — 100 / 50 — 30 / 25 / 20

Auto Chart Projector

ACP-1500 Auto Chart Projector

Feature:

- Duo-chrome test charts to check single and binocular vision, and polarized test charts to check binocular vision and ocular muscle imbalance.

- Provide with five kinds of chart of binocular balance, single vertical line, single horizontal line and single chart modes

- It is a precision optical instrument for accurate refraction.

- Provide 30 different charts and 35 masks, with programmable remote control.

- Provide with different charts(Chart A, B and C) in order to satisfy needs of different countries

- Filter function can be realized red / green display

Parameters:

Projection distance	1.5m ~ 7m
Projection magnification	30 x (at 5m)
Projection size	330mm(W) x270mm(H) (at 5m)
Chart Switching speed	0.01~0.02S
Mask Number	1 open, 5 horizontal lines,8 vertical lines, 21 single letters, 1 red/green
Mask Switching speed	One mask per 0.01~0.02s
Program	2 sets programs, each program contains up to 30 steps
Lamp	12V,50W(halogen lamp) 12V,10W(LED)
Power saving function	Will automatically standby in 10 min
Power source	AC 220V ,50Hz or 110V, 60Hz
Power consumption	80W
Dimensions	320mm(L) x 218mm(W) x 240mm(H)
Net weight	7.2Kg
Standard accessories	Remote control, Polarized metal screen, halogen lamp, polarized glasses, fuses(2), batteries(2)
Optional accessories	Floor stand, wall stand

Charts of ACP-1500

Chart Selection : Three different chart sets [A, B, F.] each offering a selection of 30 charts to cater for regional differences.

LCD Chart Monitor

LCD-50 LCD Chart Monitor

Features:

- Selectable Working Distance: 2 to 8 meters
- 21.5" inch screen, 1680*1050 resolution
- Can stand on ground by a support
- Can be set on the table

Parameters:

LCD Chart Monitor

▢ LCD-70 LCD Chart Monitor

Features:

➢ Includes polarizing test, can do double eyes balance test, Red & Green deepness adjustment

   Contrast test, Color blind: ISHIHARA test

➢ Rand-oct: number randomize

➢ Many kinds of language are available

➢ Screen brightness adjustment

➢ Auto shut off time adjustment

➢ Update the software by SD card which behind the monitor

➢ Four units can be operated without problem

Parameters:

Screen	
Panel	23'' 6
Pixel Pitch	0.2715mm
Max contrast ratio	1000:1
Resolution	1920×1080 pixels
Brightness	$\geqq 300cd/m^2$ (min)
Panel energy consumption	4.5W
N.W	5.0KG
G.W	7.2KG
Remote control	
IR Remote:	2*AA Batteries
Working Distance	
2m~6.5m(in steps of 0.25m), 3M~6M working distance is the best	

Placement: 1: Can be hung on the wall by a bracket
               2: Can stand on ground by a support
               3: Can be set on the table	

LCD Chart Monitor

LCD-100 LCD Chart Monitor

Features:

➢ Over Forty working distance (2, 2.1, 2.2, 2.3···..5.8, 5.9, 6 meters) (8, 8.5, 9, 9.5 ..18, 18.5, 19, 19.5, 20 foot) are available to suit the layout of the clinic.

➢ The LCD-100 chart size automatically calibrates to the chosen working distance.

➢ Selectable Working Distance: 2 to 6 meters (In the Mirror mode:5-6 meters)

➢ Can be hung on the wall by a bracket

➢ Can stand on ground by a support

➢ Can be set on the table

Parameters:

LCD	Type	19-inch SXGA liquid crystal display with long lasting back light
	Pixel pitch	0.285mm
	Resolution	1280×1024 pixels
	Chart window size	390(W) ×240(H) mm
	Brightness	230±30 cd/ M2 Max: 300cd/m2
	Max contrast ratio	800:1
	Input signal	RGB
	Signal joint	15 pin D pattern plug
	Energy consumption	35W
	Compatibility	PC/MAC
Charts	VA chart type	Landolt C,Tumbling E,Letters,Numbers,Children
	Isolation	Sing letter,Horizontal/Vertical line
	Range	Decimal : (0.05) – (2.0)
		20f : (400) – (10)
		6m : (400) – (10)
	Special chart type	Red-green, Dots, Astigmatism clock dial, ETDRS, Phoria, Phoria with fixation, Coincidences, Schober, Worth etc . (Depends on the chart type.)
	Distance of installation	2-6m(10cm of unit) 8-20f(0.5f of unit)
	Memory card	CF card/Built-in card slot
	Power supply	AC 100V-230V
		50 / 60Hz
	Power consumption	100VA
	Dimensions and Weight	500 (W) ×555 (H) ×38(D) mm / 5kg
		19.7 (W) ×21.9 (H) ×1.5 (D) /16.5 lbs

LCD Chart Monitor

LCD-236 LCD Chart Monitor

Features:

➢ Can be hung on the wall by a bracket, stand on ground by a support, set on the table

➢ Working distance: 2 ~ 6.5 m (0.25/step)

➢ The chart's size can be calibrated automatically according to the working distance.

➢ The best working distance: 3m ~ 6m

(Software are all developed by the team from Taiwan. No copy right issue.)

Parameters:

Panel	23" 6
Pixel Pitch	0.2715mm
Max brightness	300cd/m2
Max contrast ratio	1000:1
Panel Energy consumption	4.5W
Max resolution	1920*1080
Functions	polarizing test, can do double eyes balance test Red & Green deepness adjustment Contrast test Color blind: ISHIHARA test Mirror test Rand-oct: number randomize Many kinds of language are available Screen brightness adjustment Auto shut off time adjustment Update the software by SD card which behind the monitor It can link with RIGHTWAY Auto Phoropter Four units can be operated without problem
Dimension	190(D) × 415(W) × 554 (H)mm (with stand) 50(D) × 340(W) × 554 (H)mm (without stand)

LCD Chart Monitor

🔷 LCD-901 LCD Chart Monitor

Features:

➢ Vedio and audio playing function: It can play the vedio and audio files stored on SD card or on U disk

➢ Support extensible plug-in unit: Users can install their own test applications to the vison chart. This function satisfy customer's desire of using user-defined tests.

➢ We add 0.7 and 0.9 visus values to Decimal unit, which meets the common using habit of every user.

➢ Equiped with a gravity- sensor. The vision chart can adjust the direction of the picture displayed on the screen. In this way the user can get a comfortable viewing angle no matter the vision chart is vertically or horizontally placed.

➢ Gamma calibration function is realized in the contrast sensitivity test.

➢ Real time optotype random display make the test accurate and reasonable.

➢ Real time adjustment of red and green test chart

Parameters:

LCD	17-inch XGA Panel with LED backlit screen
Resolution:	1208*1024 pixels
Distance	2M-7M(in steps of 0.1m); 6ft~24ft (in step of 0.5ft) Low vision chart:0.6~1.5m(in step of 0.1m)
Remote control	IR
Remote control battery	AAA
Brightness	≥2000 cd/m2
Optotypes	E, C, Alphabet, Numbers, Children,Allen picture(normal and V type)
Special charts:	ETDRS,contrast sensitivity test,contrast test, Ishihara,cross cylinder,astigmatic fan dial,cross grid,fixation spot test, stero test,red/green panel,worth four-dot test,red/green balance,traffic light,horizontal conincidences,vertical coincidences, schober Low vision chart(E,C,Alphabet,Numbers,Children(Allen pictures),"V" Style Optotypes
Mask type	Change of the background, Single mask, Horizontal mask,Vertical mask, Red/Green mask,contrast sensitivity
Visus unit	5-Grade(3.7~53), Decimal(0.05~2.0), Log MAR(-0.3~1.3), Snellen (ft)(20/700~20/10), Snellen (M)(6/210~6/3)
Other functions	Video playing,image browsing,Randomization optotype playing,mirror function,screen save function,standby function.
Random display of optotypes	Use with path folding mirror possible Screen-saver function

LCD Chart Monitor

LCD-1000 LCD Chart Monitor

Features:

➤ Black-box show: Camera obscura show, saving work space, from the eye to the distance from the projector down to 1.1M

➤ Grating function: With grating function can be realized view single or in a separate display.

➤ Filter function: Filter function can be realized red / green display.

➤ LCD Remote: LCD Remote allows the operator to more easily share with customers.

Parameters:

Technical Specification	
Model	LCD-1000
Icon	32 Visual target
Icon to select speed	1.1m
Icon Baffle	A single, horizontal, vertical
Filter function	Red and Green Filter
Icon conversion speed	An average of 0.45 seconds
Light	12V,35W（Halogen Light）
Power	Host: 110/220V 50/60Hz Remote Battery: 3.7V
Standby Time	Icon: 3-10Min Remote Switch
size	Host: 400×280×560MM 20KG Remote: 70×248×18MM 0.22KG
Adjust the screen from top to bottom	400mm

LCD Chart Monitor

CM-1900 LCD Chart Monitor

Features:

➢ Polarized chart for binocular test

➢ 23-inch high contrast and bright display

➢ Smooth and quiet operation

➢ Wide range of test types

➢ Precise distance adjustment

➢ Easy mounting

➢ Random test sequence

Parameters:

Display:	23" LCD (color) High resolution Monitor
Brightness	250 cd/m2
Chart versions	E, C, ABC, 123, c hild, special version charts
Chart acuity	6/3-6/150 20/10-20/500 0.04-2.0
Distance	2.0～7.0m
Power supply	Input: AC100~240V ,50/60Hz
Power consumption	<=33W
Dimension	530mm (W) x 390mm(H) x 120mm(D)
Weight	5.5kg(Net. Weight)
Remote	IR
Batteries for remote control	3A

LCD Chart Monitor

CM-1900P LCD Chart Monitor

Features:

➢ Polarized chart for binocular test

➢ 23-inch high contrast and bright display

➢ Smooth and quiet operation

➢ Wide range of test types

➢ Precise distance adjustment

➢ Easy mounting

➢ Random test sequence

Parameters:

Display:	23" LCD (color) High resolution Monitor
Brightness	250 cd/m2
Chart versions	E, C, ABC, 123, child, special version charts
Chart acuity	6/3-6/150 20/10-20/500 0.04-2.0
Distance	2.0～7.0m
Power supply	Input: AC100~240V ,50/60Hz
Power consumption	<=33W
Dimension	530mm (W) x 390mm(H) x 120mm(D)
Weight	5.5kg(Net. Weight)
Remote	IR
Batteries for remote control	3A

Ophthalmic unit

OU-1800 Ophthalmic unit

Feature:

➢ Luxurious design and graceful structure, Leg's protection supported

➢ Tabletop can rotate 90°

➢ Small sliding table for refractometer

➢ Motorized chair lift up and down smoothly with low noise

➢ Swing arm can move up and down, and rotate 90°, controlled by electric power

Parameters:

Unit size:	1030x1150x1920mm
Tabletop Size:	1010x480mm
Arm up and down range	180mm
Chair up and down distance:	200mm
Electric Voltage:	AC220V/110V 50/60HZ
Weight:	220kg
Table rotation angle	900
Chair loading ability	150kg
Lamp	20W
Not including the chair	

OU-2000 Ophthalmic unit

Features:

➢ Small ophthalmic unit for phoropter, refractor, projector use.

➢ Low noise, quality motor, suit for laboratory, hospital & eye glasses shop

➢ Reclining Chair can smoothly lift up and down with low noise

➢ A smart drawer for some necessary use

Parameters:

Unit size:	900*600*710mm
Tabletop Size:	880*500mm
Drawer size	540*380mm
Arm up and down range	200mm
Chair up and down distance:	170mm
Electric Voltage:	AC220V/110V 50/60HZ
Light	20W
Power	120
Weight:	72kg

OU-5500 Ophthalmic unit

Features:

- Luxurious design and graceful structure, Small sliding table for refractor
- Tabletop can rotate 90°, Leg's protecting device supported
- Motorized chair go up/down smoothly with low noise
- Arm can swing to left/right to change position of phoropter

Parameters:

Unit size:	1130*1100*1920mm
Tabletop Size:	1000*480mm
Arm up and down range	200mm
Chair up and down distance:	170mm
Electric Voltage:	AC220V/110V 50/60HZ
Table rotation angle	90^0
Arm swing range	$+-30^0$
Weight:	200kg
Chair loading ability	150KG
Lamp	20W

OU-6000 Ophthalmic unit

Features:

- Luxurious design and graceful structure
- Tabletop can rotate 90°
- Small sliding table for refractor
- Motorized chair go up/down smoothly with low noise
- Swing arm can move up/down and rotate 90° control by electric device
- Leg's protecting device supported

Parameters:

Unit size:	1130*1150*1920mm
Tabletop Size:	1010*480mm
Arm up and down range	180mm
Chair up and down distance:	200mm
Electric Voltage:	AC220V/110V 50/60HZ
Table rotation angle	90^0
Arm swing range	$+-30^0$
Weight:	200kg
Chair loading ability	150KG

Ophthalmic unit

OU-5000 Ophthalmic unit

Features:

➢ Adopted European style in appearance designing, smart, simple and fashionable, ergonomic design, universal function and good performance, easily operation.

➢ Sliding table accommodates two instruments and provides with 90 degrees' rotation;

➢ Hand-operated phoropter arm can swing up and down, left and right;

➢ Reclining Chair can smoothly lift up and down, forward and backward with low noise.

Parameters:

Unit size:	1100×800×2100mm
Tabletop Size:	890×405mm
Table rotation range	90°
Table movable range	335mm
Swing arm oscillation angle	+35°
Chair rotation range	60°
Chair up and down range	510-600mm
Chair loading ability	200-250kg
Chair backrest obliquity	160°
Lamp	Halogen (24V, 3W)
Electric Voltage	AC220V/110V 50/60HZ
Weight	200kg

CS-300 Ophthalmic unit

Features:

➢ Chair with electric elevator, stable and low noise.

➢ It could be rotated 45 degree for the swing arm of electrician and table-board is 90 degree.

➢ Added salver of portable view tester.

➢ Sliding a small table.Convenience of mobile devices in the desktop position.

➢ Projector mounts.Projector fixation can be adjusted up and down

➢ Equipped with big drawer, it is convenient for storing all kinds of lens boxes.

➢ Choosing different styles on the basis of inner structure of shop.

➢ Elegant contour design with exquisite workmanship,providing a comfortable measuring environment.

Parameters:

Technical Parameters:	
Combination sets size:	1300×1740×2000mm
Voltage:	1050×500×30mm
Power:	220V 50Hz
Weight:	240kg

Ophthalmic unit

CS-400 Ophthalmic unit

Features:

➢ Luxurious lifting arm
➢ Noiseless lifting meeting the requirements of upscale measuring environment
➢ Noiseless electric lifting chair
➢ Mobile sliding table available for adjusting the facility location
➢ Stand for chart projector, adjustable for lifting up and down
➢ Change the facility location at wild-angle

Parameters:

Unit size:	1230*1020*1580mm
Table Size:	1010*480*120mm
Arm up and down range	200mm
Chair up and down distance:	200mm
Electric Voltage:	AC220V/110V 50/60HZ
Weight:	240kg

CS-518 Ophthalmic unit

Features:

➢ Facilitating equipment including refractometer,slit lamp and projector,improving the convenience,simplicity and accuracy of the facility operation.
➢ Manual lifting arm able to rotate up and down at 900.
➢ Considering the personal factors represented by the angle and height of the user.
➢ Operation table able to rotate forward at 900,simplifying the switch between equipment

Parameters:

Unit size:	870*700*1850mm
Table Size:	860*510mm
Table lifting range	200mm
Power	80W
Electric Voltage:	AC220V/110V 50HZ
Weight:	100kg

Ophthalmic unit

CS-700 Ophthalmic unit

Features:
- Well-made,from the thickness of the sheet metal to fastening of plug-in,even the choice of the screw,each detail is our focus.
- Table with 90 degree rotation,is more convenient for entrance
- Fancy material for table.
- Simple mobile sliding table for placing refractometer and ophthalmo tonometer.
- 10mm solid plate cutting is used in the main bearing plate

Parameters:

Unit size:	1020*1230*1580mm
Table Size:	1010*480*120mm
Table lifting range	200mm
Chair Lifting Range	200mm
Electric Voltage:	AC220V/110V 50HZ
Weight:	240kg

CS-1000 Ophthalmic unit

Features:
- With visual black-box, suitable for all open environment. Clean and polished contour, meeting the requirements for the upgrade refraction environment
- European style elegant design
- Rotating mobile sliding table for refractometer
- Operation interface and high-class halogen lamp adopting one-click with
- Multi-purpose design, simplifying the operation and improving the comfort level

Parameters:

Unit size:	2000*1200*1670mm
Optometry tray Size:	400*300mm
Table lifting range	200mm
Chair Lifting Range	200mm
Electric Voltage:	AC220V 50HZ
Weight:	160kg

Ophthalmic unit

🔲 TR-510A Ophthalmic unit

Features:

➢ Beautiful appearance,Compact structure,reliable and practical

➢ Manual swing arm design humanization, Swing up and down, sway to the best position

➢ The table can rotate and slide horizontally, The automatic locking function of table is adopted, Strong bearing, two phoropters can be placed at the same time

➢ The black and yellow seat looks exquisite and chic.It has large lifting range ,with less noise,runs safety and steady,quietly and smoothly.

Parameters:

Swing arm oscillation angle:	up and down 30°
Table size:	840mm×405mm
Table rotation angle:	90°
Table movable range:	330mm
Chair up and down range:	150~200mm
Chair loading ability:	70~150KGS
Input Voltage:	110V/220V AC 50HZ~60HZ
Engine power:	55W 220V AC
Lamp:	40W 110V/220V AC
Fuse:	5A 250V AC
No-load power consumption:	1W
High voltage test:	2KV
Main wire:	10A 250V
Working mode:	S1
Working temperature:	-30°~+50°
Relative humidity:	Less than 90%
Force of pressing key:	1~51~5NN
Cooling mode:	natural cooling
Unit size:	1100mm*1000mm*2110mm
Weight:	150Kgs

Ophthalmic unit

TR-500 Ophthalmic unit

Features:

➢ Adopts Europe style in appearance designing, small and exquisite, used for small room

➢ The comfortable and beautiful chair with electric elevator, stable and low noise.

➢ Easy operation with a well positioned control panel.

➢ Unique design of arc shaped worktable, creative and useful.

Parameters:

Arm tilting angle	±30º
Table rotate angle	90º
Chair loading	150KGS
Chair height	500-700mm
Weight	150Kgs
Power	120W, 220V, 50Hz/110V, 60Hz;
Illumination bulb	15W
Table size	670mm×400mm

TR-500A Ophthalmic unit

Features:

➢ Power for slit lamp voltage selectable, 2.5V, ~12V,

➢ The comfortable and beautiful chair with electric elevator, stable and low noise.

➢ Easy operation with a well positioned control panel.

➢ Unique design of arc shaped worktable, creative and useful.

Parameters:

Arm tilting angle	±30º
Table rotate angle	90º
Chair loading	150KGS
Chair height	500-700mm
Weight	200Kgs
Power	120W, 220V, 50Hz/110V, 60Hz;
Illumination bulb	15W
Table size	840mm×405mm

Ophthalmic unit

TR-520 Ophthalmic unit

Features:

➢ Adopts Europe style in appearance designing, small and exquisite, used for small room

➢ The comfortable and beautiful chair with electric elevator, stable and low noise.

➢ Easy operation with a well positioned control panel.

➢ Unique design of arc shaped worktable, creative and useful.

Parameters:

Arm tilting angle	±30º
Table rotate angle	90º
Chair loading	150KGS
Chair height	500-700mm
Weight	150Kgs
Power	120W, 220V, 50Hz/110V, 60Hz;
Illumination bulb	15W
Table size	670mm×400mm

TR-520A Ophthalmic unit

Features:

➢ Adopts Europe style in appearance designing, small and exquisite, used for small room

➢ The comfortable and beautiful chair with electric elevator, stable and low noise.

➢ Easy operation with a well positioned control panel.

➢ Unique design of arc shaped worktable, creative and useful.

➢ 2 sets instrument can put on the table board

Parameters:

Arm tilting angle	±30º
Table rotate angle	90º
Chair loading	150KGS
Chair height	500-700mm
Weight	200Kgs
Power	120W, 220V, 50Hz/110V, 60Hz;
Illumination bulb	15W
Table size	840mm×405mm

Ophthalmic unit

TR-700A Ophthalmic unit

Parameters:

Mechanical	Angle of rotation for rocker:	±30°
	Table size:	500mm×350mm
	Angle of rotation for table:	90°
	Lifting height for table:	350mm
	Chair rotation range:	360°
	Lifting height for chair:	150mm
	Loading for chair:	150kg
	Lifting height for pillow:	300mm
	Backrest obliquity:	80°-180°
Electrical	Input voltage:	110V/220V AC 50Hz~60Hz
	Motor power:	55W 24V DC
	Lamp:	5W 110V / 16W 220 AC
	Fuse:	5A 130/250V AC
	Power without load:	1W
	Pressure test:	2KV
	Working mode:	S1
	Main wire:	10A 110V
	Working temperature:	-30℃~+50℃
	Relative humidity:	less than 90%
	Force of pressing key:	1~5N
	Cooling mode:	nature cooling

Ophthalmic unit

TR-900 Ophthalmic unit

Features:

➢ Motor pressure up and down movement with lower noise;
➢ Able to be equipped with arm, projector and so on;
➢ Economical background illumination, comfortable;
➢ Reasonable construction and clipper-built shape

Parameters:

Arm tilting angle	±30º
Table rotate angle	90º
Table slip scope	±150mm
Chair rotate	±60º
Chair height	500-700mm
Weight	200Kgs
Power	120W, 220V, 50Hz/110V, 60Hz;
Illumination bulb	15W
Table size	840mm×405mm

TR-102A Ophthalmic unit

Features:

➢ Motor pressure up and down movement with lower noise;
➢ Able to be equipped with arm, projector and so on;
➢ Economical background illumination, comfortable;
➢ Reasonable construction and clipper-built shape
➢ Table headrest adjustable, for 2 instruments work

Parameters:

Arm tilting angle	±30º
Table rotate angle	90º
Table sliding	330mm
Table slip scope	±150mm
Loading of the chair	70~150KG
Chair rotate	60º
Backrest obliquity	90º~135º or 140º
Height adjustable range of Chair	150~200mm
Headrest adjustable range	+150mm
Work temperature	-30℃ ~ +50℃
Weight	200Kgs
Power	120W, 220V, 50Hz/110V, 60Hz;
Table size	840mm×405mm

Ophthalmic Chair

EC-100 Ophthalmic Chair

Features:

- High quality cushion & superior furnishing of chair gives maximum comfort to patient during examination
- Fully motorize chair operated by Foot switch for Up, Down movement. And it can smoothly lift up and down with low noise and able to bear big force

Parameters:

Angle of rotation for chair	±45°
Lifting height for chair	150~200mm
Loading for chair	150kgs (electric)
Lifting height for pillow	+150mm
Backrest obliquity	90°~135°
Input Voltage	110V/220V
Figure size	700mm×900mm×1400mm
Weight	60kgs

OC-310A Ophthalmic Chair

- **Ophthalmic chair with the pedal switch**

Ophthalmic Chair

OC-A/OC-B/OC-C Ophthalmic Chair

OC-A

OC-B

OC-C

MT-3A Motorized Table

Feature:

Table Size:	480 X 400mm
Range of elevation:	180mm
Max Loading:	65kg
Electric Voltage:	220V/50Hz or 110V/60Hz Power: 120W
Weight:	17.5 kg
Volume:	608(L) x530(W) x265(H)mm

MT-3F Motorized Table

Feature:

Table Size:	580x400mm
Range of lifting:	180mm
Max Loading:	75kg
Electric Voltage:	220V/50Hz or 110V/60Hz Power: 120W
Weight:	25kg

MT-20 Motorized Table

Table Size:	550 X 560mm
Range of lifting:	190mm(180mm)
Max Loading:	75kg
Electric Voltage:	220V/50Hz or 110V/60Hz Power: 120W
Weight:	18kg

Motorized Table

MT- D Motorized Table

Unit size	700X1100X1500mm
Table Top Size	650*430mm
Arm up and down range	180mm
Chair up and down range	170mm
Electric Voltage:	220V/50Hz or 110V/50Hz
Weight:	45kg

MT-160 Motorized Table

Features:

➢ Table for Slit Lamp, Keratometer use

➢ Low noise, quality motor

➢ Suit for laboratory, hospital and eye glasses shop

Parameters:

Table Size(Length and Width):	
Range of lifting:	
Max Loading:	
Power	
Electric Voltage:	
Unit size	
Weight:	

MT-280 Motorized Table

Features:

➢ Table for Slit Lamp, Keratometer use

➢ Low noise, quality motor

➢ Suit for laboratory, hospital and eye glasses shop

Parameters:

Unit size	
Table Top Size	
Range of lifting:	
Max Loading:	
Power	
Electric Voltage:	
Weight:	

Motorized Table & Chair

MT-330 Motorized Table

Parameters:

Unit size	1020X1230X1580mm
Table Top Size	1010x480x120mm
Range of lifting:	200mm
Max Loading:	70kg
Power	120W
Electric Voltage:	220V/50Hz or 110V/60Hz
Weight:	70kg

Pneumatic Chair

PC-A

PC-B

PC-C

PC-D

PC-E

Keratometer

AK-800 Auto Keratometer

Parameters:

Measuring range	Curvature Radius	5.5-11mm
	Diopter	31-61D
Minimum Division	Diopter	0.25D
Minimum surface Area Required by Measurement	r=5.5mm	φ1.65mm
	r=7.5mm	φ2.36mm
	r=11mm	φ3.36mm

BL-8002 Auto Keratometer

Parameters:

Technical Specification	
Model	BL-8002 price of keratometer
Corneal radius of curvature	5.5-11mm
Minimum reading	0.02mm
Corneal refractive power	30-60D
Minimum reading	0.25D
Axis of corneal astigmatism	0-180°
Minimum reading	1°
Diopter adjusting scale	0~5dptr
Illumination bulb	12V 50W halogen lamp
Voltage/frequency	AC 110V /60hz or 220V/50hz
Dimensions	450(L)x300(W)x450(H)mm
weight	16kg

Keratometer

SW-100 Portable Keratometer

Features:

- mainly used to measure the corneal curvature radius and diopter
- Electronic and optical integration,
- ultra small corneal curvature tester, wireless output print

Parameters:

Measuring range:	6.5mm~9.5mmPrecision: ±0.05mm
Resolution of curvature radius of cornea:	0.01mm
Single measuring time:	0.03s
Output:	wireless infrared thermal printer,Can observe the eye directly through the screen.
Dimension:	240mm×90mm×60mm
Power:	500mW+15%

NV-100 Near Vision Tester

Features:

- The NV-100 near vision tester enables a complete refractive and binocular vision investigation to be carried out with the head and eyes in their normal posture at any working distance.
- The refractive tests include:
  Measurement of visual acuity using Snellen letter and illiterate E-chart, and Times Roman reading types.
  Accurate determination of presbyopic additions and other near corrections.
- Near vision astigmatism tests. Amplitude of accommodation including monocular measurements under binocular conditions.
- The Binocular balance tests include: Fixation disparity test for uncompensated heterophoria motor eye dominance; Accommodation-convergence relationship; Quantitative evaluation of foveal suppression in heterophoria patients.
- Near point of convergence. Targets for subjective cover tests for heterophoria and harmonious ARC.
- A centimeter ruler for measuring working and testing distance is included.
  The chart can be illuminated individually by means of an infra red remote controller

Parameters:

Test Distance	36cm
Distant Control	60cm
Size	220(H)×210(W)×42(D)mm
Weight	780g
Power Supply	LR6 AA/1.5V×3

Near Visual Acurity Chart

NVC-01 Near Visual Acuity Chart

Features:

➤ LED back lighting(patent product).standardized and uniform illumination.Clearly printed optotypes.

➤ Double side display.Powered by lithium battery.With a stand(its gradient can be adjusted).

➤ With a cord to determine the test distance.With one pointer.

NVC-02 Near Visual Acuity Chart

Near Visual Acuity Chart (Customized)

VC-001
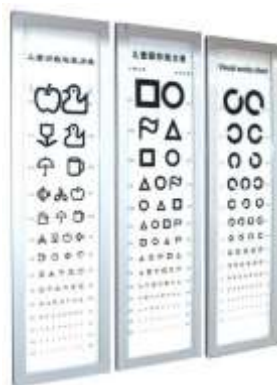
VC-002

VC-003

VC-004

Near Visual Acurity Chart

Near Visual Acuity Chart (Customized)

VC-005

VC-006

VC-007

VC-008

VC-009

VC-010

VC-011

VC-012

VC-013

VC-014

Pupilmeter

PM-1 Pupil Ruler

PM-3 Pupil Ruler

- It owns precise optical structure,clear optical line and precise measurement.
- Digital display for measurement result and separately values displayed for left and right eyes.
- Easy operation and quick speed of measuring.
- It owns the auto power off and memory function after finishing the measuring
  which could save the electricity and keep the data well.
- It can also be used in monocular the left eye and right eye separately.

PM-5 Pupilmeter

Method of measurement:	cornea reflection light coincidence method
Range of measurement:	48 to 77MM (both eyes), 24 to 38.5MM (each eye)
Graduations:	0.5MM
Range of focusing point:	30 cm~∞
Electric Voltage:	4.5V DC (Lr03 batteries X3)

PM-7 Pupilmeter

- Main feature use exactitude optical configuration,measure more correctly,with adjustable knob,adjust the data.

Method of measurement:	cornea reflection light coincidence method
Range of measurement:	44 to 83mm (both eyes),22 to 41.5mm (each eye)
Graduations:	0.5MM
Range of focusing point:	30 cm~∞
Electric Voltage:	6V DC (Lr03 batteries X4)
Weight	0.8kg

Pupilmeter

PM-9 Pupilmeter

Parameters:

Range of measurement:	44 to 83MM (both eyes), 22 to 41.5MM (each eye)
Indication error:	≤0.5 mm
Rounding error:	≤0.5 mm
Range of focusing point:	30 cm~∞
Electric Voltage:	DC 6V (AA battery×4 pieces)
Time for automatic shut-off:	1.5 minutes

PM-9AT Pupilmeter

Features:

➢ It employs precise optical structure, the line of light is very clear and precise measurement.The measurement results are displayed digitally,and the left eye and right eye measuring values are displayed separately.

➢ Simple and rapid measuring operation, and free operation of the direct PD adjustment lever are possible.Combining with the adjustable viewing distance selecting lever for measuring all kind of the viewing distances, the PD measurement is simple and precise.

➢ When the measuring operation is finished, the auto power off and memory function,enable to save the power and not to lose the data.

➢ It can also be used in monocular the left eye and right eye separately

Parameters:

Range of measurement:	45 to 83mm (both eyes), 22.5 to 41mm (each eye)
Graduations:	≤0.5MM
Range of focusing point:	30 cm~∞
Electric Voltage:	4.5V DC (03# batteries X2)
Weight	0.9kg
Volume	28*20*10cm

Pupilmeter

🔲 LG-9S Pupilmeter

Features:

➢ It employs precise optical structure, the line of light is very clear and precise measurement.The measurement results are displayed digitally,and the left eye and right eye measuring values are displayed separately.

➢ Simple and rapid measuring operation, and free operation of the direct PD adjustment lever are possible.Combining with the adjustable viewing distance selecting lever for measuring all kind of the viewing distances, the PD measurement is simple and precise.

➢ When the measuring operation is finished, the auto power off and memory function,enable to save the power and not to lose the data.

➢ It can also be used in monocular the left eye and right eye separately.

Parameters:

Range of measurement:	left or right pupillary distance
Graduations:	≤0.5MM
Range of focusing point:	30 cm~∞
Electric Voltage:	4.5V DC (03# batteries X2)
Weight	0.9kg
Volume	28(L)x20(w)x10(H)cm

🔲 PM-11 Pupilmeter

Parameters:

Range of measurement:	45 to 83mm (both eyes), 22.5 to 41mm (each eye)
Graduations:	≤0.5MM
Range of focusing point:	30 cm~∞
Electric Voltage:	4.5V DC (03# batteries X2)
Weight	0.9kg
Volume	28*20*10cm

Pupilmeter

LG-9G Pupil height and PD meter

Features:

➢ the instrument adopts the precise optical structure, the optical path is clear, the measurement is accurate, the measurement data digital display, and the left and right display respectively.

➢ the operation is simple and the measurement speed is fast. And with the adjustable distance knob, suitable for different measured the distance of the distance, so that the measurement distance of the distance

➢ To be simple and accurate.

➢ after the measurement is completed with memory function, the data will not be lost.

➢ measurement of left or right unilateral.

Parameters:

Effective range of measurement:	binocular
distance:	46-82mm
left and right distance:	23-41mm
Indication error:	≤0.5mm
Distance of target:	30cm
Electric Voltage:	DC 3V (2 AA battery)
Power:	10W
Weight:	0.7kg
Volume:	28(L)x19(w)x10(H)cm

CP-9 PD&PH Meter

Available for Pupil Height & Pupil Distance measuring

CP-9 PD&PH Meter

Available for Pupil Height measuring

Trial Lens Case

104 pieces Trial lens case

Leather/aluminum case and metal/plastic rim available

Spheres:	18 pairs each of concave and convex
Cylinders:	6 pairs each of concave and convex
Prisms:	2 piece
Accessories:	6 pieces
Cross cylinder:	×0.25

158 pieces Trial lens case

Leather/aluminum case and metal/plastic rim available

Trial lens set	158PCS
Spheres:	25 pairs each of concave and convex
Cylinders:	12 pairs each of concave and convex
Prisms:	4 pieces
Accessories:	6 pieces
Cross cylinder:	×0.25

232 pieces Trial lens case

Leather/aluminum case and metal/plastic rim available

Sphere:	68 pairs
Cylinder:	38 pairs
Prism:	10 pieces
Accessories:	10 pieces
Trags dimensions:	312mm (L) × 532mm (W) × 34mm (H)
Weight:	5.6kg

Trial Lens Case

266 pieces Trial lens case

Leather/aluminum case and metal/gold rim available

Sphere:	80 pairs
Cylinder:	40 pairs
Prism:	14 pieces
Accessories:	13 pieces
Trags dimensions:	312mm (L) × 532mm (W) × 34mm (H)
Weight:	5.6kg

Progressive trial lens set

0.50DC-400.00DC

TF-A Trial Frame

Fixed PD mentioned on the frame body, other colors available	
PD scale :	--52/54/56/58/60/62/64/66/68/70
Package:	Individual box (5 or 8 pieces in one box)
Adjustment: handle vertical	
Temple: Adjustable	

TF-B Trial Frame

Adjustable PD mentioned on the frame body, other colors available	
PD scale :	--52/54/56/58/60/62/64/66/68/70
Package:	Individual box (5 or 8 pieces in one box)
Adjustment: handle horizontal vertical adjusting	
Temple: Adjustable	

Trial Frame

TF-TP Trial Frame

Fixed PD mentioned on the frame body	
PD scale:	--52/54/56/58/60/62/64/66/68/70
Package option:	Individual box (5 or 8 pieces in one box)
Suitable for progressive wear test	
Half rim, super light, other colors available	

TF-P Trial Frame

Fixed PD mentioned on the frame body	
PD scale:	--52/54/56/58/60/62/64/66/68/70
Package option:	Individual box (5 or 8 pieces in one box)
Suitable for progressive wear test	
Half rim, super light, other colors available	

TF-4880 Trial Frame

Features:

- Nose pad is optional
- Available for 4 lenses to be inserted at each side
- Length and angle of leg is adjustable
- Height of nose pad is adjustable
- Adjust the axis of astigmatism is convenient

Parameters:

Full adjustable, made of PC material	
Binocular PD	48-80mm, 1mm step
Monocular PD	24-40mm, 1mm step
Temple adjustment	98-135mm
Weight:	72g
Volume	27(L)x18.5(w)x5(H)cm

Trial Frame

TF-5470 Trial Frame

Features:

➢ Nose pad is optional

➢ Available for 4 lenses to be inserted at each side

➢ Length and angle of temple is adjustable

➢ Height of nose pad is adjustable

➢ Adjust the axis of astigmatism is convenient

Parameters:

Material:	Titanium
PD adjustable range:	--54～70cm
Weight:	0.15kg

TF-5080 Trial Frame

Features:

➢ Available for 5 lenses to be inserted at each side

➢ Length, angle and shape of temple is adjustable

➢ Height of nose pad is adjustable

➢ Adjust the axis of astigmatism is convenient

Parameters:

Material:	Metal
PD adjustable range:	--50～80cm
Weight:	0.2kg

Cross Cylinder

±0.25DC,±0.50DC,±1.00DC

Accessories

Pinhole Occluder

Hand Occluder

Red Green Lens

Red-green Lens Frame

Maddox Test

Stereopsis Test & Ishihara Color Test Book

Fly Stereopsis Test

Butterfly Stereopsis Test

14 Plate Ishihara Color Test Book

24 Plate Ishihara Color Test Book

38 Plate Ishihara Color Test Book

Slit Lamp Microscope

SLM-2000 Slit Lamp Microscope

Parameters:

Microscope	Microscope Type	Converging Stereoscope
	Magnification	1 step magnifications
	Eye piece	10x
	Magnification ratio	10×(18)
	Adjustable range of pupil distance	50mm ~ 82mm
	Adjustable diopter	+5D ~ -5D
Base	Side shift	110mm
	Depth shift	90mm
	Height shift	30mm
Chin rest	Height shift	80mm
	Fixation lamp	Red LED
Property of illumination	Slit width	0 ~ 10mm continuous (at 10,slit becomes a circle)
	Slit height	10mm, 3mm, 1mm, 0.2mm
	Filter	Heat absorption, Red-free, Cobalt Blue
	Illumination Bulb	12V 50W halogen lamp
Power	Input Voltage	220V
	Frequency	50H/60HZ
	Power Consumption	68VA
Weight and size	G.W	13kg
	N.W	11kg
	Main Dimension	455mm(L) *385mm(W)× 630mm(H)

Slit Lamp Microscope

SLM-66B Slit Lamp Microscope

Parameters:

Property of slit lamp	Microscope Type	Converging Stereoscope
	Magnifications	2 Steps magnification
	Eyepiece	10x
	Magnification Ratio (Field of View)	16×(14.5mm), 10×(18)
	PD adjustment	52mm ~ 80mm
	Diopter adjustment	+5D ~ -5D
Base	Left and right move	110mm
	Forward and back move	90mm
	Up and down move	30mm
Chin rest	Up and down move	80mm
	Fixation Lamp	Red LED
Property of illumination	Slit width	0 ~ 10mm continuous(at10mm,slit becomes circle)
	Slit height	1 ~ 10mm continuous
	Slit angle	0~ 1800 continuous
	Light spot diameter	10 ,7, 5 , 3,1 ,0.2mm
	Filter	Heat absorption ,Grey ,Red-free ,Cobalt Blue
	Illumination Bulb	12V 50W halogen lamp
Power	Input voltage	220V
	Frequency	50H
	Power consumption	68VA
Weight and size	G.W	18kg
	N.W	16kg
	Main dimension	680mm(L)× 440mm(W)× 420mm(H)

Slit Lamp Microscope

SLM-88 Slit Lamp Microscope

Features:

➢ Five step drum magnification for eyepiece. Sclera Vein could be observed under the 40X magnification

➢ All the optical lenses are moistureproof, mildewproof and anti-reflected treated

➢ Large spot diameter, slit length reach to 14mm, more comprehensive view of the eye condition

➢ Multi-coated optical glass technology, imaging is clear and bright, the view field is wide.

➢ Osram light bulbs, small heat, high-brightness, spot uniformity

➢ Handrail design, user-friendly and the convenience of patients

➢ Oversized joystick space, mobile base does not touch the hand

➢ All the joints can be connected by accessories with the international standards

Parameters:

Microscope	Microscope Type	Galilean Stereoscope
	Magnification	5 steps magnifications
	Eye piece	12.5x
	Magnification ratio	6×(33mm),10×(25mm),16×(14mm),25×(8.8mm),40×(5.5mm)
	Adjustable range of pupil distance	50mm ~ 82mm
	Adjustable diopter	+7D ~ -7D
Base	Side shift	110mm
	Depth shift	90mm
	Height shift	30mm
Chin rest	Height shift	80mm
	Fixation lamp	Red LED
Property of illumination	Slit width	0 ~ 14mm continuous (at 14, slit becomes a circle)
	Slit height	0 ~ 14mm continuous
	Slit Angel	5, 10, 15, 20
	Diameter of the light spot	14mm, 10mm, 5mm, 3mm, 2mm, 1mm, 0.2mm And 0 ~ 14mm continuous
	Filter	Heat absorption, Red-free, Cobalt Blue, Grey
	Illumination Bulb	12V 50W halogen lamp
Power	Input Voltage	110V/220V
	Frequency	50H/60HZ
	Power Consumption	68VA
Weight and size	G.W	18kg
	N.W	11kg
	Main Dimension	690mm(L) *440mm(W)× 420mm(H)

SLM-3 Slit Lamp Microscope

Features:

➢ AC-powered slit lamp bio-microscope is 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.

➢ LS series slit lamp can give the wonderful optical and mechanical performance.

➢ Provide most clearly and stereoscopic images for ophthalmologist and optician.

Parameters:

Type	Parallel Galilean
Magnification change	Move the pole
Eyepiece	12.5X
Total magnification	10x 16x 25 x
Diameter of Vision field	Φ23, Φ14, Φ8.7mm
Range of adjusting the distance of pupil	54 mm~82 mm
Range of adjusting eyepieces	-7D ~ +7D
Slit image width	0mm~14mm continuous
Slit image length	1mm~14mm continuous
Diameter of aperture	φ14mm, φ10mm, φ5mm, φ3mm, φ1mm, φ0.2mm
Slit angle	0~180 Rota table continuous
Illumination angle	5, 10, 15, 20 total 4 steps
Filter	Heat absorption, Grey, red free(Green), Cobalt blue
Illumination	12v, 50w halogen bulb
Fixation	Red LED 3.5V
Power	Input voltage:110/220V±10%
	Input frequency: 48~62 Hz
	Input power: 60VA

Slit Lamp Microscope

🔲 SLM-4 Slit Lamp Microscope

Features:

➤ AC-powered slit lamp bio microscope is 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.

➤ LS series slit lamp can give the wonderful optical and mechanical performance.

➤ Provide most clearly and stereoscopic images for ophthalmologist and optician.

Parameters:

Type	Parallel Galilean
Magnification change	Move the pole
Eyepiece	12.5X
Total magnification	6X 10X 16X 25X 40X
Diameter of Vision field	φ37 φ23 φ14 φ8.7 φ5.7(mm)
Range of adjusting the distance of pupil	54 mm~82 mm
Range of adjusting eyepieces	-7D ~ +7D
Slit image width	0mm~14mm continuous
Slit image length	1mm~14mm continuous
Diameter of aperture	φ14mm, φ10mm, φ5mm, φ3mm, φ1mm, φ0.2mm
Slit angle	0~180 Rota table continuous
Illumination angle	5, 10, 15, 20 total 4 steps
Filter	Heat absorption, Grey, red free(Green), Cobalt blue
Illumination	12v, 30w halogen bulb
Fixation	Red LED 3.5V
Power	Input voltage:110/220V±10%
	Input frequency: 48~62Hz
	Input power: 60VA

Slit Lamp Microscope

SLM-6 Slit Lamp Microscope

Features:

➢ Professional & Multi-functional Software But With Simple Humanized Human-computer Interface & Easy Operate

➢ Outstanding Optic Quality Ensure the Comfortable View

➢ Precision Machining Makes the Smooth and Flexible Movement

➢   Have both image capturing function and video capturing function

➢ Image processing for better Symptoms Diagnose

➢ Backup patient data base easily to guarantee data safety

➢ Highest Quality Images Captured Which Impressive Every User

Parameters:

Type	Parallel Galilean
Magnification change	Revolving the drum
Eyepiece	12.5X
Total magnification	6X 10X 16X 25X 40X (10X 16X 25X optional)
Diameter of Vision field	φ37 φ23 φ14 φ8.7 φ5.7(mm)
Range of adjusting the distance of pupil	54 mm~82 mm
Range of adjusting eyepieces	-7D ~ +7D
Slit image width	0mm~14mm continuous
Slit image length	1mm~14mm continuous
Diameter of aperture	φ14mm, φ10mm, φ5mm, φ3mm, φ1mm, φ0.2mm
Slit angle	0~180 Rota table continuous
Illumination angle	5, 10, 15, 20 total 4 steps
Filter	Heat absorption, Grey, red free(Green), Cobalt blue
Illumination	12v, 50w halogen bulb
Fixation	Red LED 3.5V
Power	Input voltage:110/220V±10%
	Input frequency:50/60Hz
	Input power:60VA

Slit Lamp Microscope

🔲 SLM-1ER Slit Lamp Microscope

Features:

➢ Converging optics design.

➢ German industrial bulb,high-lightness without harsh,quick heat dispersion.

➢ All lenses have been carried out moisture proof,mould proof and coating processing for many times,which prove its good optic performance in different weather condition.

➢ International standard accessory interface which can connect kinds of ocular posterior segment laser adapter and Goldman tonometer

Parameters:

Technical specification:	
Model	SLM-1ER
Microscope Type	Converging
Magnification change way	Deflector rod
Eyepiece Magnification	10X 16X
Total magnifications	10X 16X 25X
Diopter Adjustment	+5D~+5D
Illumination	Three steps(5 steps and step less optional)
Slit Width	0mm-10mm continuously adjustable(0~14mm optional)
Slit Height	1mm-10mm continuously adjustable(1~14mm optional)
Slit Angle	0° -180°
Slit inclination angle	5° , 10° , 15° , 20°
Light spot diameter	Φ10mm, Φ8mm, Φ5mm, Φ3mm, Φ2mm, Φ0.2mm
Filter	Heat absorption, gray(ND), red free(green), cobalt blue
Fixation	Red LED
Electrical	
Illumination Bulb	German OSRAM Halogen Tungsten lamp
Input Voltage	110V/220V(± 10%)
Input Power	60VA
Diffuse lens	Yes
Preset lens	Yes
Laser Interface	Optional
Applanation tonometer interface	Yes

▭ SLM-2ER Slit Lamp Microscope

Features:

➤ All lenses have been carried out moisture proof,mould proof and coating processing for many times,which prove its good optic performance in different weather condition.

➤ International standard accessory interface which can connect kinds of ocular posterior segment laser adapter and Goldman tonometer.

➤ Digital upgrading interface: can upgrade to digital slit lamp.

➤ High sensitivity professional objective lens.

➤ German industrial bulb,high-lightness without harsh,quick heat dispersion.

Parameters:

Model	SLM-2ER
Microscope Type	Galileo Parallel
Magnification change way	Drum five magnifications
Eyepiece Magnification	12.5X
Total magnifications	6X,10X, 16X, 25X, 40X
Diopter Adjustment	+5D~+5D
Illumination	Three steps(5 steps and step less optional)
Slit Width	0mm-10mm continuously adjustable(0~14mm optional)
Slit Height	1mm-10mm continuously adjustable(1~14mm optional)
Slit Angle	0° -180° adjustable
Slit inclination angle	5° , 10° , 15° , 20°
Light source	
Light spot diameter	Φ10mm, Φ8mm, Φ5mm, Φ3mm, Φ2mm, Φ0.2mm
Filter	Heat absorption, gray(ND), red free(green), cobalt blue
Fixation	Red LED

Slit Lamp Microscope

SLM-3ER Slit Lamp Microscope

Technical Specification (Anterior Segment Photo)

Model	SLM–3ER
Microscope Type	Galileo Parallel
Image Capturing Way	Canon D100 18 mega or D5300 with High DefinitionDSLR 24.1 Mega pixels
Synchronous Flash Illumination Compensation System	Optional
Coaxial Background Light System	Yes
Magnification Change Way	Drum Five Magnifications
Eyepiece	12.5x
Total Magnification	6x 10x 16x 25x 40x
Diopter Adjustment	–5D ~ +5D
Slit Illumination	Five Steps (Stepless Optional)
Slit Width	0–14mm Continuous
Slit Height	1–14mm Continuous
Slit Angle	0–180° adjustable
Slit Inclination Angle	5° 10° 15° 20°
Light Spot Diameter	0.2mm,1mm,2mm,5mm,10mm,14mm
Filters	Heat Absorption, Grey, Redfree, Cobalt Bule
Fixation	Red LED
Power	
Illumination Bulb	German OSRAM Halogen Tungsten Lamp
Input Voltage	110V/220V (±10%)
Input Power	300VA
Diffuse Lens	Yes
Preset Lens	Yes
Laser Interface	Yes

SLM-4ER-A/B Digital Slit Lamp Microscope

➤ Configuration(SLER-4ER Model A)

With Cannon Camera, Memory Card (4 G,12 Mega Pixel))

With beam slitter with adapter

With shooting button on the joystick, images saved in the memory card

With table top, without motor-table, tonometer adapter

➤ Configuration(SLER-4ER Model B)

With Cannon Camera, Memory Card (4 G,12 Mega Pixel)),with software

With beam slitter with adapter

With shooting button on the joystick, images saved in the memory card

With table top, without motor-table, tonometer adapter

Parameters:

Model	SLM-4ER (A)	SLM-4ER (B)
Microscope Type	Galileo Parallel	
Digital	External Digital Slit Lamp	
Background Light	No	Optional
Magnification change way	Drum Five Magnification	
Eyepiece Magnification	12.5X	
Total magnifications	6X, 10X 16X 25X, 40X	
Diopter Adjustment	-5D~+5D	
Illumination	FIVE steps(stepless optional)	
Slit Width	0mm-14mm continuously adjustable	
Slit Height	1mm-14mm continuously adjustable	
Slit Angle	0° -180° Adjustable	
Slit inclination angle	5° , 10° , 15° , 20°	
Light spot diameter	Φ14mm, Φ10mm, Φ5mm, Φ2mm, Φ1mmΦ,0.2mm	
Filter	Heat absorption, grey(ND), red free, cobalt blue	
Fixation	Red LED	
Electrical		
Illumination Bulb	German OSRAM Halogen Tungsten lamp	
Input Voltage	110V/220V(± 10%)	
Input Power	60VA	175VA
Diffuse lens	Yes	
Preset lens	Yes	
Laser Interface	Optional	
Applanation tonometer interface	Yes	
Software system	NO	Image Capture Card
	NO	Professional Image Software

Digital Slit Lamp Microscope

🔲 SLM-350-DC Digital Slit Lamp Microscope

Features:

➢ SLM-350-DC tower style slit lamp with 5 magnifiers

➢ Beam splitter, Digital camera adaptor

➢ BacLite background illumination model

➢ Digital camera Cannon EOS 700D.

Parameters:

Microscope specifications			
	Microscope type:	Galilean system	
	Magnification changer:	Revolving drum(5 steps)	
	Total magnification:	6X,10X,16X,25X,40X	
	Ocular magnification:	12.5 X	
	Ocular field:	Ø18mm	
	Inter pupillary distance:	52mm～78mm	
	Diopter adjustment:	+6D to -6D	
	Object image field Ø in mm:	34.7(6X),22(10X),13.5(16X),8.5(25X),5.5(40X)	
Slit illumination	Slit image width:	0～14mmcontinuous	
	Slit image length:	1～14mmcontinuous	
	Light source:	6v/20w halogen incandescent light bulb	
	Slit image radial range:	0～180°	
	Filters:	Heat absorption,red free(green),cobalt blue	
	Illumination fields Ø in mm:	0.2/1/3/5/10/14/1~14mm continuous	
	Illumination intensity:	≥50KLX	
Instrument base	Operation:	Single handed 3-dimensional operation of the joystick	
	Range of adjustment:	90mm(longitudinal),100mm(lateral),30mm(vertical),15(fine)	
	Chin-rest		
	Fixation:	Red led	
	Vertical adjustment:	80mm	
Power Supply	Input voltage:	220v/110v ±10%	
	Input frequency:	50Hz/60Hz	
	Output power:	30VA(max)	
	Output voltage:	Light source 6V continuous,fixation 3V	
	Ambient conditions		
Working	Temperature:	+5°C～+40°C	
	Relative humidity:	≤80%	
	Air pressure:	800hPa~1060hPa	
Packaging	Carton:	740mmX450mmX500mm	
	Gross weight:	22Kg(without electrical desktop and options)	
	Net weight:	17Kg(without electrical desktop and options)	

Slit Lamp Microscope

SLM-350-Image System Slit Lamp Microscope

Features:

- SLM-350-Image System tower style slit lamp with 5 magnification, Beam Splitter, Digital Camera Adaptor
- R Type Tonometer Adaptor included, Digital camera include Cannon EOS 700D
- BacLite Background Illumination Model, Image Process Software
- Left or right eye distinguishing module
- Without computer, Without Electric Table

Parameters:

	Options:	Computer, printer, electric table,
	Functions:	Still image and live video acquisition,patient information management,inspection report outport
	Image acquisition device:	Digital SLR camera(CANON EOS series)
	Viewfinder:	Microscope eyepiece, camera viewfinder, camera LCD, computer screen
	Transmission interface:	USB
	Power supply:	Battery(with one backup)
Microscope specifications	Microscope type:	Galilean system
	Magnification changer:	Revolving drum(5 steps)
	Total magnification:	6X,10X,16X,25X,40X
	Ocular magnification:	12.5 X
	Ocular field:	Ø18mm
	Inter pupillary distance:	52mm～78mm
	Diopter adjustment:	+6D to -6D
	Object image field Ø in mm:	34.7(6X),22(10X),13.5(16X),8.5(25X),5.5(40X)
Slit illumination	Slit image width:	0～14mmcontinuous
	Slit image length:	1～14mmcontinuous
	Light source:	6v/20w halogen incandescent light bulb
	Slit image radial range:	0～180°
	Filters:	Heat absorption, red free(green),cobalt blue
	Illumination fields Ø in mm:	0.2/1/3/5/10/14/1~14mm continuous
	Illumination intensity:	≥50KLX
Instrument base	Operation:	Single handed 3-dimensional operation of the joystick
	Range of adjustment:	90mm(longitudinal),100mm(lateral),30mm(vertical),15(fine)
Chin-rest	Fixation:	Red led
	Vertical adjustment:	80mm
Power Supply	Input voltage:	220v/110v ±10%, 50Hz/60Hz
	Output power:	30VA(max)
	Output voltage:	Light source 6V continuous,fixation 3V

S390L/S390H Digital Slit Lamp Microscope

Features:

➢ SLM-390H motorized focusing digital module slit lamp with Halogen la mp

➢ SLM-390L motorized focusing digital module slit lamp with LED lamp

➢ BacLite Background Illumination Model

➢ Built-in Camera with Image Process Software

➢ Left or right eye distinguishing module

➢ R Type Tonometer Adaptor included

➢ Without computer

➢ Without Electric Table

Coaxial Illuminator

The new LED illuminator is positioned coaxially to the microscope. It provides an adjustable circular beam of light to enhance the digital capturing effect.

Easier Installation

Our compact control panel with built-in power supply makes it much easier to install the slit lamp especially when installing the slit lamp on a ophthalmic unit. The users do not need to find place to install the chunky power box.

Quick Capture Button

There is a quick button on the control panel that enables doctors to shoot photos conveniently . Once they observe the suitable photo to describe pathology, just press the capture button and the photo will be recorded.

Less Cables with Extra USB port

When applying the new control panel, there will be less cables exposed outside. Extra USB port is provided to charge other medical device.

Digitial Eyepiece Adapter

▭ Digitial Eyepiece Adapter

Features:

➤ Converts smart phones into professional digital eyepieces for the traditional optical instruments.

➤ Just attached the equipped smart phone to the slit lamps, microscopes, telescopes, Spotting Scope, Binocular or Monocular ect. With built-in camera app, you can take sharp images, capture videos, and then share all information via email, SMS, twitter facebook.

Parameters:

Specifications:
Adjustable support case dimension makes it available for the most mainstream smart-phones.
The sizes of the smart-phones can be from 4°to 5.5°.
Ultra-durable Polycarbonate plastic body with aluminum chuck.
Three jaw aluminum chuck design for fast installation, easy Operation.
Send out high-res images directly from your phone via email, SMS, twitter or 3rd party apps.
It is designed to work with eyepieces that are 1in – 1.8in in diameter.
Work with Slit Lamp, Microscopes, Telescopes, Binoculars, Spotting scopes and other Optical Instruments.

Portable Slit Lamp Microscope

SLM-6L/6M/6H Portable Slit Lamp Microscope

➢ Configuration(SLM-6L) Portable Slit Lamp

    with 10X eyepieces

    with Li-ion Battery, Battery Charger

    With metal box

    With focus stick, Forehead Bracket

➢ Configuration(SLM-6M) Portable Slit Lamp

    Changing magnification by rotating objective lens (patent)

    with 10X eyepieces

    with Li-ion Battery, Battery Charger

    With metal box

    With focus stick, Forehead Bracket

➢ Configuration(SLM-6H) Portable Slit Lamp

    with 10X,16X eyepieces

    with Li-ion Battery, Battery Charger

    With metal box

    With focus stick, Forehead Bracket

Parameters:

Model		SLM-6L	SLM-6M	SLM-6H
Microscope	Type	Converging		
	Objective Lens	10X	10X, 16X	10X, 16X
	Eyepiece	10X	10X	10X, 16X
	Total Magnifications	10X	10X, 16X	10X, 16X, 25X
	Working Distance	81mm		
	Pupil Distance	45mm~78mm		
	Diopter Compensation	-8D~+8D		
Illumination	Slit Width	0-12mm Continuous		
	Slit Length	12mm	1-12mm	1-12mm
	Slit Angle	Horizontal +30^0		
	Filter	Heat absorption, yellow, red free(green), Cobalt blue		
	Maximum Illumination	>30000 Lux		
	Power	5VA		
Power Source	LED working Voltage	DC3V, 350mAh		
	Battery	Li-ion battery DC7.4V/680mAh, Full battery can supply continuous working time 5-6 hours		

Portable Slit Lamp Microscope

YZ-3 Portable Slit Lamp Microscope

Features:

➢ full-featured, lightweight and durable and is suitable for mobile medical,

community hospitals and wards checkup

➢ Excellent optical performance, total 800g weight, easy to operate and practical enough

➢ Converging microscope provides sharp observation.

Parameters:

Microscope Type	Converging microscope
Objective Magnifications	Two steps magnifications
Magnifications	10X,16X
Diopter Adjustment	±8D
Pupil Distance	50mm~75mm
Working Distance	60mm
Slit Width	0~12mm continuously adjustable
Diameter of Light Spot	0.2mm,1mm,5mm,12mm
Filter	Color Temperature Compensation, Red free, Cobalt Blue
Slit Angle	±30°
Light Source	LED
Maximal Illumination	15000Lx
Power	7.4V 2200mA Li Battery, Rechargeable
Working Time	2.5 hours for common use
Packing Volume	216mm X 100mm X 225mm
Net Weight	800g

Portable Slit Lamp Microscope

SLM-1A/B Portable Slit Lamp Microscope

Features:

- Advanced optics, 10X& 16X magnification
- Controllable illumination from maximum to zero
- Enhanced portability during examination

Parameters:

Model		SLM-1(A)	SLM-1(B)
Microscope	Type	Binocular Portable Slit Lamp	
	Magnification	10X	10X, 16X
	Eyepiece	Convergence binoculars, 13^0	
	Working Distance	80mm	
	Pupil Distance	45mm~78mm	
	Diopter Compensation	-8D~+8D	
Illumination	Slit Width	0.15mm, 0.5mm, 0.8mm, 1.6mm, 12mm, 1X1mm Block	
	Slit Length	12mm	
	Slit Angle	Horizontal +-60^0	
	Filter	Heat absorption, Color Temperature Compensation, red free, Cobalt blue	
	Maximum Illumination	>=50000 Lux	
	Light Source	White LED	
Power Source	LED working Voltage	DC7.4V, 950mAh	
	Battery	Li-ion battery DC7.4V/950mAh, continuous working time>=3hours after fully charged	

Portable Slit Lamp Microscope

🔲 KJ5S1 Portable Slit Lamp Microscope

Features:

➢ Portable slit lamp, one hand operated

➢ With all Functions of desktop slit lamp but ideal for pediatrics, Seniors, nursing home, carry-out or mobile hospital.

➢ This handheld slit lamp has four light spots:1mm,3mm,5mm,10mm

➢ Fully charged can be used for about 6 hours

➢ Smart design, Net Weight750g, easy carry with

Parameters:

Microscope type:	converging microscope
Objective magnification:	1x
Eyepiece magnification:	10x,16x
Diopter compensation	+/-7D
Pupil distance:	80mm
Slit width:	0-10mm contniuously adjustable
Diameter of light spot:	1mm,3mm,5mm,10mm
Filter:	Heat-absorption, Grey, Red-free, Cobalt blue
Slit angle:	horizontal+30
Light source:	white LED
Power:	7.2V 750Ah Li Battery,Rechargeable
Working Time:	5-6 hours
Packing Volume:	40cm*20cm*23cm
Net weight:	750g
Gross weight:	2600g

KJ5S1 Portable Slit Lamp Microscope

Portable Slit Lamp Microscope

KJ5S2 Portable Slit Lamp Microscope

Features:

- Portable, one hand operated
- With all Functions of desktop slit lamp but ideal for pediatrics, Seniors, nursing home,carry-out or mobile hospital.
- light spots:10mm
- Fully charged can be used for about 6 hours
- Smart design, Net Weight750g, easy to carry with
- 16 months warranty
- CE, ISO, FDA

Parameters:

Microscope Part:	Microscope Type:	Biocular Crossed Stereomicroscope
	Objective Magnification:	1X
	Eye piece Magnification:	10x,16x
	Dia of Light Spot(mm):	10
	Pupil Distance (mm):	48-70
	Adjustable Diopter:	-7D+7D
	Working distance:	80mm
illumination:	Slit width:	0~10mm adjustable
	Slit height:	1~10mm adjustable
	Slit Angle :	horizontal+/-30°
	Filter:	Heat-absorption,Grey, Red free, Cobalt blue
	Light source:	High illuminance white LED
	Working Time:	5-6 hours
Power:	7.2VLi-ion battery 750 Ah, Rechargeable	
Charger:	Input voltage:	AC 100-240V 60-50Hz
	Output voltage:	DC 18V 500mAh

Portable Slit Lamp Microscope

KJ5S3 Portable Slit Lamp Microscope

Features:

➢ New developed digital portable slit lamp is very convenient to take photo from patients.

➢ Can be equipped with Nikon camera

➢ Portable, one hand operated

➢ With all Functions of desktop slit lamp but ideal for pediatrics, Seniors, nursing home,carry-out or mobile hospital.

➢ Multi light spots:1mm,3mm,5mm,10mm

➢ 16 months warranty

➢ CE,ISO

Parameters:

Microscope Part:	Microscope Type:	Biocular Crossed Stereo-microscope
	Objective Magnification:	1X
	Eye piece Magnification:	10x,16x
	Dia of Light Spot(mm):	1,3,5,10
	Pupil Distance (mm):	48-70
	Adjustable Diopter:	-7D+7D
	Working distance:	80mm
illumination:	Slit width:	0~10mm adjustable
	Slit height:	1~10mm adjustable
	Slit Angle :	horizontal+/-30°
	Filter:	Heat-absorption,Grey,Red free,Cobalt blue
	Light source:	High illuminance white LED
	Working Time:	5-6 hours
Power:	7.2VLi-ion battery 750 Ah, Rechargeable	
Charger:	Input voltage:	AC 100-240V 60-50Hz
	Output voltage:	DC 18V 500mAh

ML-1 Portable Slit Lamp Microscope

Features:

- Portable Pocket Optical Hand-held Slit Lamp Biomicroscope for Anterior Eye Examination
- Lightweight, single hand operate;
- Link-able Eyepieces;
- Cordless and rechargeable, no Restriction of Time and Space for Eye Examination
- Packed in Alu-Alloy Carrying Case, with black and white colors;
- It can be digitized by Coopix Camera or Phone Eyepiece Adapters of iPhone, Samsung, iPad, iPod etc.

Parameters:

Microscope Part	
Eyepiece magnification:	10x,16x
Objective Lens	1x
Total Magnifications	10X,16X
Diopter compensation	+/-5D
Pupil distance:	50~72mm
Working Distance	80mm
Slit Illumination Part	
Slit width:	0-10mm continuously adjustable
Slit height	0.5mm,3mm,5mm,10mm
Diameter of light spot:	0.5mm,3mm,5mm,10mm
Filter:	Heat absorption, Grey, Red-free, Cobalt blue
Slit angle:	horizontal +/-30°
Light source:	white LED
Power:	7.2V 750Ah Li Battery,Rechargeable
Working Time:	5-6 hours
Voltage/Frequency	AC 110V+/-10% , 60Hz 1Hz AC 220V+/-10% , 50Hz 1Hz
General	
Packing Volume:	41cm*20cm*23cm
Net weight:	750g
Gross weight:	2.6kg

🟦 HFC Portable Fundus Camera

Features:

➢ Optional imaging modules for examination: posterior ophthalmoscope ,anterior segment ophthalmoscope, otoscope, retinoscope, laryngoscope and dermatoscope

➢ Rechargeable battery provides up to more than 4 hours of continuous operation.

➢ High definition and stable image

➢ Non-mydriatic and large field of view

➢ Easy one-handed operation and excellent portability

➢ Large data service and a variety of image acquisition mode

➢ Images real-time display, one button magnifying

➢ Non-mydriatic and high definition imaging.

➢ Micro SD memory card up to 80,000 images

➢ USB and WiFi connection

➢ Low weight 450g , movable and portable

Parameters:

Model	HFC
FOV	40°
Minimum pupil	3mm
Refractive compensation	-20D~+20D
Light source	White LED/IR
Image resolution	1920×1080
Focus Mode	Manual
Screen	3.5" color
Power	≤6VA
Storage	8GB Micro SD card
Power supply	3.7VLithium Battery
Interface	Mini USB/Wifi
N. Weight	450g(Typical)
G. Weight	2.5kg
Size	160mm*90mm*190mm
Packing size	360mm*310mm*160mm

🔲 KJ25 Portable Fundus Camera

Features:

➢ High definition andstable image

➢ Handheld, Easy operation and excellent portability

➢ Non-mydriatic and large field of view

➢ It can be conveniently applied to rapid screening, out diagnosis, bedside diagnosis and remote medical treatment,etc.

➢ USB and WiFi connection

➢ CE, ISO

Parameters:

FOV	25°
Minimum pupil	3mm
Refractive compensation	-20D~+20D
Light source	White LED/IR
Image resolution	1920×1080
Focus Mode	Manual
Screen	3.5" color LCD
Power	≤6VA
Storage	8GB MicroSD card
Power supply	3.7V Lithium Battery
Interface	Mini USB/Wifi
N. Weight	450g
G. Weight	2.5kg

SK-650A/SK-650B Fundus Camera

Features:

- SK Serial Retinal Camera
- Split-line aligning focusing ensure capturing sharp images
- Non-mydriatic setting is the first choice for ophthalmology and diabetes mellitus checking
- Nine focusing dots makes inspecting peripheral fundus status much easier
- With wide diopter compensation range
- Superior optical quality Ultragigh Pixel Legible images User-friendly software

Parameters:

Model	SK-650A	SK-650B
Differ	Retinal camera	Retinal camera+FFA(1)
Digital Camera	CANON EOS Technology	
Color Image Resolution	5184*3456	
Monochrome Image Resolution	1360*1024	
Min.Pupil Size	3.3m	
Compensation range	-25D~+30D	
Focus	Split-line aligning type focusing & Manual focusing	
Fixation target	External Eye Fixation Lamp & 9 internal fixation target (LED dot matrix)	
Angle of view	45°	
Working distance	40mm±2mm(distance from examined eye to front of objective lens)	
Range of base movement	Front to Back 60mm	
	Side to side 100mm	
	Up and Down 30mm	
Software	Support Dicom3.0, can work hospital HIS/PACS system	
	Image processing, patient information management system	

Tonometer

YZ-30R / YZ-30T Applanation Tonometer

Parameters:

It is suitable for top illumination type slit lamp

Measurement Range:	0-10.64kpa
Light Ring Displacement:	1.53×2=3.06mm
Diameter of the testing head:	7mm
Average Error:	±70pa
Type:	R type/T ype

YZ30R   YZ30T

YZ-30X Applanation Tonometer

➢ It is suitable for bottom illumination type slit lamp

➢ It's not only used to examine the eyes, but also measure the intraocular pressure while working under the slit lamp.

➢ Accurate measurement ensures the total tolerrance less than 0.066KPa (0.5mmHg).

➢ Directly get the intraocular pressure.

➢ Measured intraocular pressure will not be affected by hardness of eye.

➢ Adjustable measuring pressure ensures the working stability and accurate measurement of tonometer in long time.

T-170 Applanation Tonometer

R type   T type

Tonometer

YZ-7A Applanation Tonometer

➢ The product is used to measure the intraocular pressure (IOP) by measuring the depth produced on the surface of the cornea by a load of a known weight.

➢ Schiotz type.

➢ All the parts that contact cornea are made of stainless steel and are anti-acid, which does no harm to issues.

➢ The instrument is safe, reliable, accurate and convenient to carry.

SW-500 Rebound Tonometer

Features:

➢ Measurement can go along both in standing and lying posture. With vertical and horizontal two working modes, wireless output print data.

➢ Used to measure intraocular pressure, using the principle of: the probe hits the surfaces of different hardness at a certain speed, has different reaction when the probe rebounds.

➢ Be of advantages of high accuracy, portable, without anesthesia, without the cross-infection etc, No anesthesia, avoiding discomfort reaction.

➢ Wireless data printing, lightweight and handy, easy to learn, easy to use

Parameters:

Measuring Range:	3mmHg~70mmHg
Measuring Error:	±1.5mmHg(3mmHg≤intraocular pressure≤25mmHg)
	±2.5mmHg(25mmHg≤intraocular pressure≤70mmHg)

YZ20P Operation Microscope

The product is smart, compact, portable and applicable in various operations.

Features:

- Compact and lightweight body, with a high degree of flexibility.
- 3-step magnification change.
- Equipped with spring balance system in the support arm to enable the microscope move up and down freely.
- Multi-layer coating technology is used on all lenses to provide anti-mildew and anti-reflection to enhance the environment adaptation.
- Can be equipped with different lenses and parts to apply in ENT, Surgery and Gynaecology Departments.

Parameters:

Eyepiece Magnification	12.5×
Focal Length of Objective Lens	f=200
Working Distance	190 mm
Magnification for Main Microscope	6×, 10×, 16×
Diameter of Field	37 mm, 25 mm, 16.7 mm
Diopter Adjustment	±5D
Pupilary Distance	50 mm ~ 70 mm
Maximum Resolution	100 LP/mm
Light Source	12V/100W halogen lamp for medical use
Illumination Type	6° coaxial illumination of cold light source
Coaxial Illuminance	≥10,000 Lx
Reaching Radius of Arm	860 mm
Adjustable Vertical Range	850 mm ~ 1100 mm
Input Voltage	AC 220V/110V±10%, 50Hz/60Hz
Power Consumption	120 VA
Fuse	AC 250V T4.0A, AC 125V T8.0A
Electrical Safety Standard	IEC 60601-1, Class I
Packing Volume	0.856 m3,2 cartons
Total Weight	61 kg

YZ20P5 Ophthalmology Operation Microscope

YZ20P5 microscope is a simple binocular coaxial microscope for a single man. The microscope is small, light and convenient. It has a high agility and can meet the requirements for general ophthalmology operation. The microscope fits mobile medical treatment.

Feature:

➢ Multi-layer coating technology is used on optical lenses to enhance transmission rate and prevent mildew.
➢ Foot controlled focus, three-step magnification change, good depth of field of view and good binocular fusion to meet the need of cataract surgery.
➢ Using apochromatic technology to make different wavelengths of the light focus near the focal point behind the lens, so as to make the operator's vision more clearly.
➢ The machine weights only 41Kg to be light and compact and is especially applicable for the mobile medical.
➢ Optional desktop components to make the machine more portable and can also be customized according to special requirements to meet the needs in ophthalmology, ENT and other surgery.
➢ Optional F250/F300/F400 lens.

Parameters:

Eyepiece Magnification	12.5×
Focal Length of Objective Lens	F=200
Working Distance	190 mm
Magnification for Main Microscope	5.3×, 8×, 16×
Diameter of Field	37 mm, 25 mm, 16.7 mm
Diopter Adjustment	±5D
Pupilary Distance	50 mm ~ 70 mm
Maximum Resolution	100 LP/mm
Light Source	12V/100W halogen lamp for medical use
Illumination Type	6° coaxial illumination of cold light source
Coaxial Illuminance	≥30,000 Lx
Reaching Radius of Arm	870 mm
Adjustable Vertical Range	700 mm~1100 mm
Fine Focusing Range	30 mm
Input Voltage	AC 220V/110V±10%, 50Hz/60Hz
Power Consumption	120 VA
Fuse	AC 250V T4.0A, AC 125V T8.0A
Electrical Safety Standard	IEC 60601-1, Class I
Packing Volume	0.2 m3,1 carton
Total Weight	41 kg

Customizable Accessories:

➢ Video devices(1/2'' or 1/4'' CCD, splitters and cable, and interfaces ,etc.)
➢ Straight binocular tube, universal connector(for ENT).
➢ 4 kinds of lenses(12.5× eyepiece): F250mm, F300mm, F350mm, F400mm.

YZ20T4 Binocular Compound Microscope

The product is a double binocular operation microscope designed for two men. Assistant binocular can also be switched as opponent binocular. It is applicable in ophthalmic surgery and hand surgery, etc.

Features:

➢ Assistant microscope can be converted to opponent microscope to meet the operation needs in ophthalmology and other departments.

➢ Internal beam splitter can be connected with teaching tube and CCD system.

➢ Equipped with three different objective lenses(f200/f250/f300)and applicable in ophthalmic surgery, orthopedic surgery and hand surgery.

➢ Oblique illumination can be used as slit illumination with slit width adjustable and 360° rotatable.

➢ Multi-layer coating technology is used on all lenses to prevent mildew and enhance lens transmittance.

➢ X/Y mobile automatic reset.

Parameters:

|	
Eyepiece Magnification	12.5×
Diopter Adjustment	±7D
Magnification for Main Microscope	f200: 4×, 6×, 10×, 16×, 25× f250: 3.2×, 5×, 8×, 12.8×, 20× f300: 2.7×, 4.2×, 6.7×, 11×, 17×
Magnification for Assistant Microscope	f200: 6×, 10×, 16× f250: 5×, 8×, 12.8× f300: 4.2×, 6.7×, 11×
Focal Length of Objective Lens	f=200 /250/300 mm
Pupilary Adjustment	50 mm ~ 75 mm
Maximum Resolution	112 LP/mm
Working Distance	190 mm
Light Source	12V/100W, medical cold reflection halogen lamp
Illumination Type	6°+0° coaxial illumination, 20° oblique illumination(can be used as silt illumination with slit width adjustable)
Coaxial Illuminance	≥50,000 Lx
Oblique Illuminance	≥45,000 Lx
Reaching Radius of Arm	1040 mm
Adjustable Vertical Range	850 mm ~ 1350 mm
Fine Focusing Speed and Range	≤2 mm/s,≥50 mm
Speed for X/Y and Range	≤2 mm/s,50 mm×50 mm
Input Voltage	AC 220V/110V±10%, 50Hz/60Hz
Power Consumption	330 VA
Fuse	AC 250V T4.0A, AC 125V T8.0A
Electrical Safety Standard	IEC 60601-1, Class I
Packing Volume	0.727 m3,5 cartons
Total Weight	210 kg

YZ20T9 Ophthalmology Operation Microscope

The product is a double binocular operation microscope designed for two men.It has excellent optical performance and it is comfortable to be used.

Features

➢ Advanced apochromatic technology and unique optical balanced technology effectively improves the binocular visual f usions, strengthens in third dimension and reduces surgeon' tireless during operations.

➢ Fine focusing knob is under the bottom of assistant binocular. The observation of the assistant's microscope can be fin ely focused independently of the main microscope to avoid different observation from surgeons.

➢ 20° oblique illumination can also be used as slit illumination. Slit width is continuously adjustable.

Parameters:

Eyepiece Magnification	12.5×/18B
Objective Lens	f=200
Working Distance	190mm
Magnifications for Main Microscope	4×,6×,10×,16×,25×
Magnifications for Assistant Microscope	6×,10×,14×
Diameter of Field	58mm,38mm,23mm,14mm,9mm
Diopter Adjustment	±7D
Pupil Distance	50mm~75mm
Maximal Resolution	119 LP/mm
Focusing Range for Assistant Microscope	≥30mm
Illumination Source	12V/100W,Cold Reflection Halogen Bulb for Medical Use
Illumination Type	6°+0°coaxial illumination of cold light source and 20°Oblique Illumination (It can be used as slit illumination) Slit Width is adjustable
Coaxial Illumination	≥50000lx
Oblique Illumination	≥45000lx
Reaching Radius of Arm	1240mm
Adjustable Vertical Range	850mm~1350mm
Fine Focusing Speed and Range	≤2mm/s,≥50mm
Speed for X/Y and Range	≤2mm/s,50mm×50mm
Input Voltage	AC220V±22V/50Hz±1Hz, AC110V±11V/60Hz±1Hz
Power	330VA
Fuse	AC250V T4.0A,AC125V T8.0A
Electrical Safety Standard	Executive standard :GB9706.1-2007,Class I
Packing Volume	0.786m3,5cartons
Total Weight	213kg
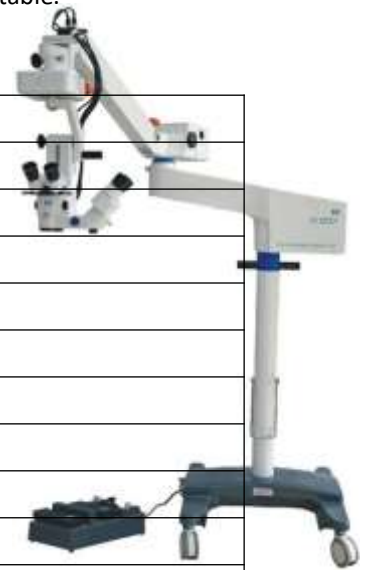
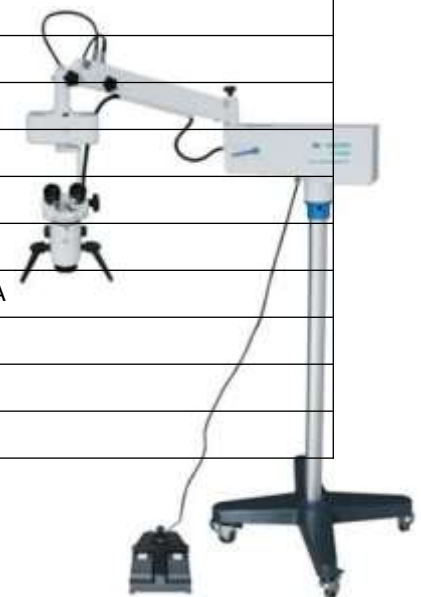## SOM2000C Ophthalmology Operation Microscope

The product is designed with compact structure, complete functions and is able to use in small space.

Features

➢ The product is designed with compact structure, complete functions and is able to use in small space.

➢ The magnification range is continuous variable from 4× to 24×, horizontal movement and fine focusing can be adjusted by foot control.

➢ Schott optic glasses are used to provide strong resolving power of optical system, clear image quality and uniform field of view.

➢ Applied to microsurgery and meticulous examinations of ophthalmology, ENT, etc.

➢ Optional 180° eyepiece tube.

Parameters

Eyepiece Magnification	12.5×, 16×
Diopter Adjustment	±6D
View Angle of Eyepiece	30°~90°,optional 180° eyepiece tube
Magnification for Main Microscope (Diameter of Field)	4×~24× (φ41.5mm~φ7.5mm)
Focal Length of Objective Lens	f=200 mm, optional f=175/250/300 mm
Pupillary Adjustment	50 mm ~ 75 mm
Maximum Resolution	119 LP/mm
Working Distance	190 mm
Light Source	15V/150W, medical cold reflection halogen lamp
Illumination Type	6°+0° coaxial illumination
Coaxial Illuminance	≥40,000 Lx
Filters	Orange filter(optional cobalt blue filter)
Reaching Radius of Arm	1020 mm
Adjustable Vertical Range	±250 mm
Fine Focusing Speed and Range	≤2 mm/s,30 mm
Speed for X/Y and Range	≤2 mm/s,50 mm×50 mm
Input Voltage	AC 220V/110V±10%, 50Hz/60Hz
Power Consumption	220 VA
Fuse	AC 250V T4.0A, AC 125V T8.0A
Electrical Safety Standard	IEC 60601-1, Class I
Packing Volume	0.418 m3,2 cartons
Total Weight	87 kg

SOM2000DX Ophthalmology Operation Microscope

The product is an advanced double binocular operation microscope designed for two operators, with the illumination source of 100W medical Xenon lamp and -2°+6°coxial illumination.It is applicable in various complicated operations.

Features:

➢ It provides an amazingly clear, fine observations by using Xenon light source.

➢ -2°~+6° coaxial illumination greatly improves the intensity and range of red light reflex.

➢ UV-proof and heat absorption reduces the harm to intraocular tissues and make the patient feel more comfortable.

➢ Schott optics ensure the surgeons a bright, balanced and fine observation

➢ Apochromatic technology is used in the optical design to ensures coaxial light focus and makes a clearer field of view.

➢ Lock device under the microscope arm prevents accident from happening.

➢ Fine focusing knob is under the bottom of assistant binocular.

➢ The observation of the assistant's microscope can be finely focused independently from the main microscope to avoid the different observations from the surgeon.

Parameters:

Eyepiece Magnification	12.5×, 18×
Focal Length of Objective Lens	f=200
Working Distance	170 mm
Magnification for Main Microscope	Continuous variable from 4.6× ~ 27×, motorized and manual control
Magnification for Assistant Microscope	6×, 10×, 16×
Diameter of Field	φ46 mm ~φ8.5 mm
Diopter Adjustment	±7D
Pupil Distance	50 mm ~ 75 mm (main microscope is 45 mm ~ 80 mm)
Maximal Resolution	126 LP/mm
Focusing Range for Assistant Microscope	≥30 mm
Light Source	120V/100W medical Xenon lamp and 12V/100W halogen lamp.
	Dual-source manual switched
Illumination Type	6°+2°Coaxial illumination, 26°oblique illumination
Filters	UV-IR , yellow spot protection,red-free,GG435,GG475
Coaxial Illuminance	≤180,000 Lx(xenon); ≥60,000 Lx(halogen),
	1-99 level; foot/panel operated
Oblique Illuminance	≤180,000 Lx(xenon); ≥60,000 Lx(halogen),
	1-99 level; foot/panel operated
Reaching Radius of Arm	1230 mm
Adjustable Vertical Range	925 mm ~ 1465 mm
Fine Focusing Speed and Range	≤2 mm/s,≥45 mm
Speed for X/Y and Range	≤2 mm/s,50 mm×50 mm
Input Voltage	AC 220V/110V±10%, 50Hz/60Hz
Power Consumption	280 VA
Fuse	AC 250V T4.0A, AC 125V T8.0A
Electrical Safety Standard	IEC 60601-1
Package	0.856 m3,5 cartons, 230 kg

SOM2000D Operation Microscope

SOM2000D operation microscope is a double binocular microscope. The main microscope has zoom magnification system,foot control switch, it can bring the clear image, the instrument is available and flexible for ophthalmology operation.

Features

➢ Apochromatic optical balance technology is used in the optical design to provide good binocular fusion, strong stereoscopic sense and good color restoration.

➢ Space Balancing System in used in t he instrument to make the microscope lens and arm to push and pull in any direction with ease.

➢ Module design is used in electrical design to provide the instrument with fault self-diagnosis function and simple maintenance.

➢ Good extensibility to add teaching microscope, image device and image system.

Parameters:

Eyepiece Magnifications	12.5×/18B
Objective Lens	f=200
Working Distance	170mm
Magnification for Main Microscope	4.6×~27× motorized and manual control continuous magnification
Magnification for Assistant Microscope	6×,10×,16×
Diameter of Field	F4646+46mm~F8.58.588.58mm
Adjustable Diopter	±7D
Adjustable Range for Pupil Distance	50mm ~ 75mm (main microscope is 45mm ~ 80mm)
Field of View	2mm ~ 18mm
Maximal Resolution	119 LP/mm
Focus for Assistant Microscope	≥30mm
Illumination Source	12V/100W,cold reflection halogen lamp for medical use
Illumination Type	6°+0°coaxial illumination of cold light source, 26°oblique illumination
Coaxial Illumination	≥80000lx,1~9level,panel operated
Oblique Illumination	≥60000lx,1~9level, panel operated
Reaching Radius of Arm	1230mm
Adjustable Vertical Range	880mm~1420mm
Fine Focusing Speed and Range	≤2mm/s,≥50mm
Speed for X/Y and Range	≤2mm/s,50mm×50mm
Voltage	AC220V±22V/50Hz±1Hz, AC110V±11V/60Hz±1Hz
Power	170VA
Fuse	AC250V T4.04.0444.0000A ,AC1250V T8.0588.0A
Electrical Safety Standard	Executive standard:GB9706.1-2007,Class I
Packing Volume	0.769m3,5cartons
Total Gross Weight	215kg

XTS-4C Operation Microscope

Features

➢ Wide visual angle, clear imageries

➢ Coaxial cold light source bright and clear in depth

➢ Hand-mirror provided for two persons to operate together

➢ Slight adjusting of dostions by foot light and handy convenient for operation and carrying about

Parameters:

Double binocular 90° position	
Light path angle of Main Microscope and Assistant Microscope	12°
Eyepiece Magnifications	12.5×/22B
Working Distance	200mm
Magnification for Main Microscope	10x
Adjustable Range for Pupil Distance	54mm ~ 70mm
Magnification for Assistant Microscope	4x
Diameter of Main Microscope Field	Φ27.5mm
Illumination Type	0° coaxial lighting(LED Light optional)
Illumination Source	8V/50W Halogen
Maximum illuminance of the object surface	30000LX
Bracket lifting range	Spring arm adjustment range 250mm
Electric micro-motion lifting speed	2.5mm/s
Direction adjustment range	Horizontal +/-1800
	Left to right +/-900
maximum slewing radius of the cross arm	800mm
Voltage	AC220V±10%V/50Hz±1Hz

LZJ-6D Operation Microscope

The model LZJ-6D operation microscope is our the latest researched product for ophthalmic surgery. Equipped with the parallel optical route way and with advanced motorized 5-step zoom system. The assistant scope have three ranges of magnification, and it can be installed in right or left within 90°. This instrument may adopt CCD or DC by attachment. Camera and presenting facilities are useful for teaching and storing information. This is the most advanced operation microscope for ophthalmology in domestic markets, and can meet all kinds of ophthalmic surgery.

Features

➢ The main adopts 5-step magnification zoom system, 3.5X , 5.4 X , 8.5X, 13.5X, 21X, its and assistant scopes share the construction of the same light route, and zero degree between them.

➢ Light systems is equipped with retina protection device, red reflex intensifier, filter of infrared.

➢ The assistant scopes possess the step magnification of 6X by hand wheel, also, it can revolve round the main scopes within 90°.

➢ X-Y system with push button, and the moving range of X-Y:40mm.

➢ Equipped with motorized bending or lifting adjustment construction, it is convenient for doctor to operate the instrument.

Parameters:

With retinal protection, Newly designed gas spring balanced rack	
View angle of Eyepiece	45°
Field of View	Φ68、Φ43、Φ27.5、Φ17.5、Φ11mm
Main microscope	5 steps
Magnification of Main microscope	3.5X , 5.4 X , 8.5X, 13.5X, 21X (0.4~0.25/step)
Magnifications of Main scope Eyepiece	10×/22B
Magnifications of Assistant scope Eyepiece	12.5x/18B
Working Distance	200mm
Adjustable Range for Pupil Distance	55mm～75mm
Illumination Type	0° + 6°coaxial cold fiber optic lighting
Illumination Source	15V/150W cold fiber optic lighting
Maximum illuminance of the object surface	≥80000LX
Reaching Radius of Arm	1200mm
Adjustable Vertical Range	850mm~1350mm
Bracket lifting range	Spring arm adjustment range 250mm
Foot-controlled electric fine focusing system	Range:40mm
Range for X-Y	40mm(continuously adjustment, and one key to zero)
Microscope front and rear adjustment angle	-5°~10°
Voltage	AC220V±10%V/50Hz±1Hz

LZL-16 Operation Microscope

Model LZL-16 operation is our latest researched product for ophthalmic surgery. Equipped with advanced motorized continuous zoom, the instrument can meet the needs of stepless magnification during the operation. The assistant scopes have tree ranges of magnification, and can be turned round the main scopes within 180° and be fixed at any angel. Camera and presenting facilities are useful for teaching and storing information, and video system is option to customers. This is the most advanced operation microscope for ophthalmology in domestic markets, and can meet all kinds of ophthalmic surgery

Features

➢ The main and assistant scopes share the construction of same light route, and zero degree between them.

➢ Light systems is equipped with retina protection device, red reflex intensifier, filter of infrared.

➢ It adopts 28 inclined illumination device which can be used for slit illumination, slit can revolve round the optical axis within 360°

➢ The assistant scopes possess the step magnification of 6x, 10x, 16x, by hand wheel.
   Also, it can revolve round the main scopes within 180°and fixed at any angle.

➢ X-Y system with push button, and the moving range of X-Y: 40mm.

➢ Equipped with motorized bending or lifting adjustment construction,
   it is convenient for doctor to operate the instrument.

➢ The instrument adopts spring counter balance at every fixed point.
   The performance is easy and flexible, but stable and reliable

Parameters:

Main microscope	View angle of Eyepiece	45°
	Field of View	Φ11mm~Φ68mm
	Main microscope	5 steps
	Magnifications	4x~ 21X (continuously change, 1:6)
	Eyepiece	10x/22B
Assistant microscope	Magnifications	6x, 10x, 16x
	Eyepiece	12.5×/18B
Work angle between main scope and assistant scope		90°
Working Distance		200mm
Maximum illuminance		≥80000LX
Illumination Type	0° + 6°coaxial fiber optic cold lighting	
Illumination Source	15V/150W fiber optic lighting, stronger red reflection	
Reaching Radius of Arm		1200mm
Adjustable Vertical Range		850mm~1350mm
Bracket lifting range		Spring arm adjustment range 250mm
Foot-controlled electric fine focusing system		Range:40mm
Range for X-Y		40mm (continuously adjustment)
Microscope front and rear adjustment angle		-5°~10°
Voltage		AC220V±10%V/50Hz±1Hz

Aspherical Lens & Three-mirror Lens

20D 78D 90D Aspherical Lens

Three-mirror Lens

YZ9 Mirror-Exophthalmometer

Features:

The product can precisely measure the level of exophthalmia over the orbital margins, on the principal basis that both vertexes of cornea and scale plate are projected to the front of prism by total reflection on the bevel, with the special structure of the isosceles right-angled triangle prism.

Parameters:

Measuring Range of the Exophthalmia	0～35mm
Adjustable Range of the Orbital Distance	80～120mm

Ophthalmoscope & Retinoscope

🔲 YZ-11 Ophthalmoscope

Features:
- Elegant appearances.
- It is convenient for mobile inspection. Both common dry cell and rechargeable battery power are applicable.

Parameters:

Specification:	
Illumination Form	Large Spot, Middle Spot, Small Spot, Red Free
Diopter Compensation	0 ±1 ±2 ±3 ±4 ±5 ±6 ±8 ±10 ±12 ±16 ±20 -25 -35D
Illumination Source	2.6V/0.78W,Incandescent Bulb
Power	2# Alkalescent battery,rechargeable battery

🔲 YZ-6E Ophthalmoscope

Features:
- Observed images of the fundus are sharp and upward.
- Halogen bulb with bright and even illumination.
- Automatic turning off effectively protects the bulb.
- Two-step adjustable illumination: S(Bright)\W(Dark).

Parameters:

Illumination Form	Large Spot, Small Spot, Slit, Net, Red Free
Diaoptor Compensation	-35D~+20D, 24 steps in total
Illumination Source	6V/5W,Halogen Bulb
Power Supply	AC220V/ 50Hz,AC110V / 60Hz

🔲 YZ-24 Retinoscope

Features:
- The filament can be rotated for 360° and move upward and downward. Brightness of the streak can be adjusted.
- Quickly and precisely measure the astigmatism axis.
- The light can be converged, radiated and paralleled.
- Automatic Power Off function effectively protects the bulb.
- Two-steps adjustable brightness for bulb: S(Bright) and W(Dark).

Parameters:

Working Distance	1 m
Streak	3 mm-20 mm
Streak Rotation	360°
Illumination Source	3V/2W, halogen bulb
Input Voltage	AC 220V±10%, 50Hz±1Hz
Power Consumption	4.5 VA

YZ-11D Rechargeable Ophthalmoscope

Features:

➢ Improved light path and excellent optical performance.

➢ Imported halogen bulb provides high and adjustable brightness and good color rendering.

➢ Smart, portable and convenient for mobile inspection.

➢ Equipped with special charger, quick and convenient recharging, against over recharging.

➢ Anti-recharging and anti-discharging function protects the battery.

Parameters:

Illumination Form:	Large Spot, Small Spot, Slit, Net, Red Free
Diopter Compensation:	0 ±1 ±2 ±3 ±4 ±5 ±6 ±8 ±10 ±12 ±16 ±20 -25 -35D
Illumination Source:	3.5V/2.8W,Halogen Bulb
Input Voltage:	AC220V22V/50Hz1Hz,AC110V11V/60Hz1Hz
Power(Main body of Ophthalmoscope):	Li Battery Pack 3.7V,Rechargeable

YZ-24B Rechargeable Retinoscope

Features:

➢ Improved light path and excellent optical performance.

➢ Imported halogen bulb provides high and adjustable brightness and good color rendering.

➢ Smart, portable and convenient for mobile inspection.

➢ Equipped with special charger, quick and convenient recharging, against over recharging.

➢ Anti-recharging and anti-discharging function protects the battery

Parameters:

Illumination Form:	Large Spot, Small Spot, Slit, Net, Red Free
Diopter Compensation:	0 ±1 ±2 ±3 ±4 ±5 ±6 ±8 ±10 ±12 ±16 ±20 -25
Illumination Source:	3.5V/2.8W,Halogen Bulb
Input Voltage:	AC220V22V/50Hz1Hz,AC110V11V/60Hz1Hz
Power(Main body of Ophthalmoscope):	Li+ Battery Pack 3.7V,Rechargeable

Ophthalmoscope + Retinoscope

🟦 YZ-11D+YZ-24B Ophthalmoscope+ Rechargeable Retinoscope

🟦 KJ8A Ophthalmoscope

Features:

➢ Instrument for examine the pathological change of fundus

➢ ISO9001,ISO13485,CE,TUV tested

➢ Portable and convenient for patient inspection

➢ All lens are made of glass give more clear image

Parameters:

Model	KJ8A
Illumination form	Largest spot(ϕ3.2mm),small spot(ϕ1.6mm),slit, central-net,red-free filter
Diopter compensation	0D,±1D,±2D,±3D,±4D,±5D,±6D,±8D,±10D,±12D,±16D,±20D,-25D
Illumination bulb	3.6V,2.6W Mini-halogen bulb
Power	AC220V/110V±10%, 50/60Hz±10%
Input power	5VA
Gross/Net Weight	1.8KG/0.8KG
Size	250*200*110mm

KJ8B Rechargeable Ophthalmoscope

Features:

➢ LED light source with long series life more than 10000h

➢ Fully charged can be continuously used at least 72h

➢ Dioptor is from -35D to +40D

➢ OEM:YES

➢ Certificate: CE, ISO

Parameters:

Model	KJ8B
Illumination form	Large light spot(3.2mm), Medium light spot (2.5mm), Small light spot(1.6mm), Sem light spot, Slit, Fixation star, Red-free filter, Blue filter, Polarisation filter
Diopter compensation	0,±1D,±2D,±3D,±4D,±5D,±6D,±7D,±8D,±9D,±10D,+12D,±15D,±20D,-25D,-35D,+40D
Illumination bulb	3.5V Mini-LED bulb
Power supply	AC 220V/50Hz or AC110V/60Hz
Input power	5VA
Battery	Rechargeable Li-on Battery
Size	250*200*110mm

KJ8C Rechargeable Ophthalmoscope

Features:

➢ Smart, portable for mobile inspection.

➢ Dry Cell, compact, pocket friendly size

➢ Mini packing case, convenient for carrying

Parameters:

Model	KJ8C
Illumination	large light spot,small light spot, slit, central-net, red free filter.
Diopter compensation	0,±1D,±2 D,±3 D,±4 D,±5 D,±6 D,±8 D,±10 D,±12 D,±16 D,±20 D,-25 D
Light Source	2.6V , 1.6W mini-halogen lamp
Power supply	2* 1.5V DC (2# or 5#)
Input power	5VA

KJ6A Retinoscope

Features:

➢ Streak Retinoscope for measuring refraction deflection and astigmatism axis,

➢ All the lens are made of optical glass, offers excellent performance and clear images

➢ Intensive illumination,convenient to operate.

➢ The well positioned glower can be rotated 360 °upward and downward.

➢ The light can be converged, radiated and paralleled

Parameters:

Technical Specifications	
Working Distance	1m
Streak	3mm~20mm
Streak Rotation	360°
Illumination source	3V/2.1W halogen bulb
Power Supply	AC 220V/50Hz AC110V/60Hz

KJ6B Rechargeable Retinoscope

Features:

➢ Instrument for measuring refraction deflection and astigmatism axis

➢ The first developed rechargeable streak retinoscope in China

➢ All lens are multi-coated, mildew proof and anti-reflection.

➢ Battery with voltage protection device.

➢ When the battery voltage below 3v or above 4.2v, the power will shut up automatically. Thus extend the life of the rechargeable battery.)

Parameters:

Model	KJ6B
Working Distance	1m
Illumination bulb	3.6V/2.7W halogen bulb
Streak Rotatio	360°
Adjustable Streak	3-20mm
Power	AC220V/110V±10%, 50/60Hz±10%
Battery	3.7V/1900mAh More than 300 times
Spare parts	Spare bulbs, fuse, etc
Use time	Fully charged can be continuously used for at least 2 hours

KJ10C Rechargeable Otoscope

Parameters:

KJ10C	
Illumination form	Fibre optics
Magnification	2.5X
Diameter of ear speculum	2.5mm;3mm;4mm
Bulb	2.5V,1.6W Halogen bulb
Battery	2*1.5V dry cell
Package size	26cm*10cm*0.6cm
G weight	0.15kg

Combination Suit of Ophthalmoscope & Retinoscope /

Ophthalmoscope & Otoscope

KJ6B&KJ8B

KJ8C&KJ10C

Ophthalmoscope & Retinoscope

DR-1900 Ophthalmoscope + Rechargeable Retinoscope

Features:

- DR1900 Rechargeable Diagnostic Set
- 465-1902 Set complete with:3.5V Coaxial Ophthalmoscope,3.5V
- Rechargeable Retinoscope,2pcs of 489 Rechargeable Handle,
- DT802 Desk Charger,Power adapter,Carton Box.
- Ordering information
- Item Description
- 410-0010 3.5V Coaxial Ophthalmoscope
- 418-0012 3.5V Streak Retinoscope
- 489-0010 489 Rechargeable with battery
- 488-1000 DT802 Desk charger Set
- 410-0910 P49003.5V Spare bulb of opthalmoscope
- 418-0910 R4180 3.5V Spare bulb of Streak Retinoscope

DW-1100 Wall Mount Ophthalmoscope & Retinoscope

Features:

- 485-1102: Set complete with: 3.5V Rechargeable Ophthalmoscope.3.5V Rechargeable Streak Retinoscope, 485 Wall Mount. Transformer with handles, Power cable with plug, Metal plate

Item: Description

410-0010: 3.5V Coaxial Ophthalmoscope

418-0012: 3.5V Streak Retinoscope

485-0100: 485 Wall Mount Transformer with 485 wall extension unit

992-020X: 020 2M Power cable with plug

410-0910: P4900 3.5V Spare bulb of ophthalmoscope

418-0910: R4 180 3.5v Spare bulb of Streak Retinoscope

Indirect Ophthalmoscope

🔲 YZ-25C Indirect Ophthalmoscope

Features:

- ➢ LED bulb(low-temperature,low-pressure,high-brightness) with long lifetime to make the illumination uniformly and bright. The illumination brightness can be adjusted continuously.
- ➢ Imaging clearly, strong dimensional sense and large field of view range. The main body part of this device adopts engineering plastics and is designed to be compact and exquisite.
- ➢ This device is equipped with color filter, teaching mirror and sclare depressor to be more handy in operation.
- ➢ The portable power supply is suitable for surgery, ward round and consultation.

Parameters:

Pupilary Adjustment	52mm~74mm adjustable
Intensity of Illumination	continuous adjustment with the maximum intensity no less than 500Lx
Headband	520~640mm in circumference, 85~125mm in depth
Light Spots	Big spot, middle spot and small spot
Filters	Red-free, white and cobalt blue
Light Source	LED light
Source of Power	Li battery, DC 7.4V
	AC 100~240V, 50/60Hz
Input Power	Battery charger: 15 VA
	AC charger: 50VA
Dimension of Main Part	142mm × 48mm × 128mm （long×breadth×high）
Weight of Main Part	230g

Visual Field Perimeter

🔲 APS-6000BER Visual Field Perimeter

➢ The price not include PC, printer, table.

➢ If needs table, price adds USD150.

➢ If needs host of computer, price adds USD550.

➢ If needs printer and computer, price adds USD880.

Parameters:

Main functions	
Test range:	Yellow spot test (central 0-10°)
	Central 0-30°test
	Quadrant test
	Peripheral test (60-90°)
	Scotoma test
	Custom test
Test method:	Estimative test
	Qualitative test
	Auto threshold
	Fast threshold
	Full threshold
	Eye position central cursor
	Eye position tracking & alarm
Print out:	digital image, grey image, colorful image, angle image, standard image, comparison image, 3D image, statistic result, Bebie curve Document management
Technical Specification	
Stimulus surface:	hemispherical (radius: 380mm)
Wavelength:	580nm-650nm
Stimulus intensity:	2.5-1000 (asb)
Background intensity:	4 (asb)
Stimulus step:	total 27 steps 1
Central sign diameter:	2mm
Stimulus points:	144(0-60°), 72(0-30°), 72(60-90°), 61(0-10°)

APS-6000CER/APS-6000CER Touch Screen Visual Field Perimeter

➢ If need touch Screen, price add USD500.

Parameters:

Specification:	
Stimulator Screen	Hemispherical bowl, radius 30cm integrated
Stimulus Source	Light emitting diode, wave length 580nm-650nm
Stimulus Size	2mm
Stimulus Intensity	2.5-1000 (asb)
Stimulus Duration	Adjustable 0.2 to 2 seconds
Stimulus color	yellow, red
Stimulus step	total 27 step 1
Patient Response Time	Adoptive to patient, adjustable 0.2 to 2 seconds
Minimum inter-stimulus delay	Adjustable 0.2 to 2 seconds
Background illumination	4 (asb)
Test lens Diameter	35mm
Central sign diameter	3mm
Stimulus points	144(0-60º), 72(0-30º), 72(60-90º), 61(0-10ºred), 114(Blind spot)
Chin rest moving range	vertical 70mm, horizontal 90mm
Fixation Method	Automatic monitoring with two options. Available blind spot method, Eye tracking method. In both methods, fixation errors are to be immediately announced by visual and audible warnings. The standard video camera should provide visual of the patient's eye for additional monitoring.
Strategies	Estimative test, Qualitative test, Auto threshold, Fast threshold, Full threshold, Esterman test and other popular mode
Test Range	Default test(0-60º), Yellow spot test (central 0-10º), Central 0-30ºtest, Quadrant test, Peripheral test (60-90º), Blind spot test, Custom test
Stimulator unit dimensions	68 x 76 x 50cm (H x W x D)
Stimulator unit weight	25 KG approx
Stimulator unit power requirements	220V AC 50-60Hz
You needn't use the keyboard and mouse by touchscreen with professional hand writing software It is very convenient for you!	

Visual Field Perimeter

▢ APS-T90 Visual Field Perimeter

Model No.	Product name	Software	Computer	Features
APS-T00	Integrated Type Projection Perimeter	With software	With computer (build-in)	Touch Screen
APS-T90	Split Type Projection Perimeter	With software	without computer, without printer	

Parameters:

Technical Specification	
Model	APS-T90
Stimulate point appearing way	Optical projection
Detection method	Static perimetry
Detection range	0-90 degree
Background light	Yellow, white
Background brightness	White : 31.5asb Yellow : 315asb
Visual Target Color	Red , blue, white
Visual Target Brightness	0.08asb-10000asb
Vision Target Interval time	≥200ms (customizable , no limit)
Visual target holding time	≥200ms (customizable , no limit)
Brightness level	0-51db
Visual Target Size (Goldmann Standard)	Ⅰ Grade Ⅱ Grade ⅢGrade ⅣGrade Ⅴ Grade
Detection strategy	Full-threshold, fast threshold, custom, Two notation, three notation, quantify defects
Threshold strategy	Intelligent dynamic, fast intelligent dynamic, age-related, The threshold, a single strength
Threshold Test Mode	Center 10-2, Center 24-2, Center 30-2, Center 60-4, Nasal step, macula
Screening, special test mode	Center 40, Center 64, Center 76, Center 80, Center Armaly; Peripheral 60, Nasal step,
	Armaly Full Field, Full Field 81, Full Field 120;Full Field 135, Full Field 246, upper 36, upper 64, Ester mansinglesee, Ester manbinocular
Fixation monitoring	Dynamic real-time video monitoring, physiological blind spot monitoring, Eye tracking curve, eye position offset alarm
Analysis Software	Reliability analysis, analysis of a single vision, triple report analyzes, Overview vision analysis, glaucoma semi vision analysis
Report Figure	Value, grayscale, the overall bias decibel chart, The overall deviationprobability map, chart pattern deviation decibels, Pattern deviation probability plot, staring Figure

Visual Field Perimeter

◻ APS-T00 Visual Field Perimeter

Model No.	Product name	Software	Computer	Features
APS-T00	Integrated Type Projection Perimeter	With software	With computer (build-in)	Touch Screen
APS-T90	Split Type Projection Perimeter	With software	without computer, without printer	

Parameters:

Model	APS-T00
Device Type	Integrated Type
Stimulate point appearing way	Optical projection
Detection method	Static perimetry
Detection range	0-90 degree
Background light	Yellow , white
Background brightness	White:31.5asb Yellow:315asb
Visual Target color	Red,blue,white
Visual Target Brightness	Oasb-10000asb
Vision Target intervaltime	≥200ms(customizable,no limit)
Visual target holding time	≥200ms(customizable,no limit)
Brightness level	0-51db
Visual Target Size(Goldman)	I Grade II Grade III Grade V Grade
Detection strategy	Full-threshold, fast threshold, custom, Two notation, three notation, quantify defects
Threshold Policy	Intelligent dynamic, fast intelligent dynamic, age-related, The threshold, a single strength
Threshold Test Mode	Center 10-2, Center 24-2, Center 30-2, Center 60-4, Nasal step, macula
Fixation monitoring	Dynamic real-time video monitoring, physiological blind spot monitoring, Eye tracking curve, eye position offset alarm
Analysis Software	Reliability analysis, analysis of a single vision, triple report analyzes
Report Figure	Value, grayscale, the overall bias decibel chart, The overall deviation probability map, chart pattern deviation decibels, Pattern deviation probability plot, staring Figure

MD-820A Visual Field Perimeter

Features:

➢ Configuration of the perimeter: computer, printer, table and main unit of the perimeter

➢ Clinical practicality, Superior function & Understandable report

➢ Accurate, stable & economical

Parameters:

Specifications	
Type:	Hemispherical Bowl Type (Radius 300 mm)
Stimulus Size:	Φ2mm
Stimulus light source:	LED
MD-820 Measuring Area	1. 10° stimulus (62 point), red
	2. 30° stimulus (76 point), (wave 585nm)
	3. 30° ~ 60°stimulus (60 point), (wave 585nm)
	4. 60° stimulus (76 point), (wave 585nm)
	5. Glaucomatous sensitive damage area, (Nasal step), on left and right side of stimulus (16 point), (wave 585nm)
	6. 60° ~ 90° each side of stimulus 11 points, (wave 585nm)
Total point 256 (including blind spot detection)	
Stimulus Intensity:	0.5 ~ 318nt (1.6 ~ 1000asb)
Stimulus Duration:	0.1sec, 0.2sec, 0.5sec
Stimulus Interval:	0.5sec, 1.0sec, 2.0sec
MD-820 patient fixation monitoring	Type 1 blind spot monitoring, warning for non-fixation
	Type 2 blind spot monitoring, warning, image and sound indication for non-fixation
	Voice indication and guidance, guide patient to be detected correctly
	In order to enhance the reliability, the technician can choose special point for reexamination
Test Reports	1. Digital graph
	2. Two-Dimensions (Gray-scale) graph: 10°, 30°, 30° ~ 60°
	3. Symbol graph, quantitive test report
	4. MS, MD, Total loss, Average loss, Blind spot detection, corrected probability
Statistical Analysis (T-test) available besides statistical graph	

SK-850A Visual Field Perimeter

Parameters:

Model	SK-850A Standard with touch screen system	SK-850A Exoert with touch screen system
DB value range	0-51db	
Stimulus Size	Goldmann III	Goldmann I II III IV V
Stimulus intensity	0-10000asb	
Projective plane	Aspherical surface	
Test Mode	Static and Goldmann knetic test	Static and Goldmann Kinetic
Stimulus colors	White	White, Red, Blue
Stimulus brightness control	Chang optical progressive lens to control projection brightness	Chang optical progressive lens to control projection brightness
Max measurement range	90°	
Testing distance	300mm	
Pupil measurement	Auto pupil measurement	
Background illu.	White 31.5 asb	White 31.5 asb; Yellow 31.5 asb
Background illu. color	White	White; Yellow
Patient react time	System default & Auto-adaption	
Eye Fixation monitoring system	Heijl/krakau blind spot monitor Video eye monitor Head tracking Gaze tracking	Heijl/krakau blind spot monitor Video eye monitor Head tracking Gaze tracking
Light brightness initialization calibration	Measuring projection light brightness and calibrating automatically	Measuring projection light brightness and calibrating automatically
Light source	Halogen lamp	Halogen lamp

SLE/SLF/SLH Binocular Loupes

Technical Data

2.5x is the most popular model. It offers the widest field of view and longest depth of focus.

Order Code	SLE2534	SLE2542	SLE2546	SLE2550
Magnification	2.5×	2.5×	2.5×	2.5×
Working Distance	340mm	420mm	460mm	500mm
Field of View	80mm	100mm	110mm	120mm
Weight without frame	71g	71g	71g	71g

3.0x is designed for dentists who need more magnigication, which give you good field of view and depth of focus.

Order Code	SLE3034	SLE3042	SLE3046	SLE3050
Magnification	3.5×	3.5×	3.5×	3.5×
Working Distance	340mm	420mm	460mm	500mm
Field of View	70mm	84mm	92mm	100mm
Weight without frame	71.5g	71.5g	71.5g	71.5g

3.5x is the highest magnification available in Galilean Loupes, being suitable for specialist work within a smaller depth of view, and allows you to perform most dental procedures, such like cosmetic, crown and bridge etc..

Order Code	SLE3534	SLE3542	SLE3546	SLE3550
Magnification	3.5×	3.5×	3.5×	3.5×
Working Distance	340mm	420mm	460mm	500mm
Field of View	60mm	72mm	78mm	84mm
Weight without frame	72g	72g	72g	72g

SLE

SLF

SLH

Binocular Loupes

SLT Binocular Loupes

Features:

- 2.5 and 3.0 magnifications available
- Extremely high resolution
- Precision Optics
- Custom Fit and Custom Working Distance
- Greatest Brightness and Depth of Field
- Ultra-lightweight, as little as 2 oz.(57g)(including the frame)

Parameters:

Magnification	Working distance	Field of view
2. 5x	340mm/13"	60mm/2.4"
2. 5x	420mm/17"	70mm/2.8"
2. 5x	460mm/18"	80mm/3.1"
2. 5x	500mm/20"	95mm/3.8"

Magnification	Working distance	Field of view
3. 0x	340mm/13"	40mm/1.6"
3. 0x	420mm/17"	46mm/1.8"
3. 0x	460mm/18"	50mm/2.0"
3. 0x	500mm/20"	54mm/2.1"

All lenses are muti-coated and anti-reflective, combining with infinity corrected optical system.

Headlight

HL8000 Headlight

Optical specificatoins	* Diameter of the light spot at a distance of 420mm: 20-90mm * Illumination in 250mm working distance: =75000 1x
Adjustable range	* Fluctuation distance: 12.5mm * Vertical direction of Illumination:±25°adjustable
Net Weight	* 70g (excluding headband)
Electrical specifications	* Illumination Source: extremely bright light, 5W LED. Life 20000 hours continuous burn. * Battery: 7.2V Lithium battery (rechargeable) * Battery Run-time: >2.5 hours * Voltage: 110VAC/ 220 VAC * Maximum Power input: 15W * Electrical Safety Standard: IEC60601.1 class II Type BF equipment.
* Light Source: LED lamp without the heat of traditional Halogen headlight. With a color temperature of 6000 Kelvin, this light supplies bright, white, shadow-free light allowing the doctor to see tissue characteristics without distortion.

* Light Source: LED lamp without the heat of traditional Halogen headlight. With a color temperature of 6000 Kelvin, this light supplies bright, white, shadow-free light allowing the doctor to see tissue characteristics without distortion.

* Enjoy the flexibility of operating the headlight using the rechargeable Lithium battery, can use without the direct power source. It is one of the most comfortable lightweight headlights and suitable for all kinds of surgery.

* The headlight could be used when it is charging. Has low-battery indicator light.

* Adapts to any Binocular Loupes of Zumax.

* Smart design, convenient for mobile diagnosis.

HL8300 Headlight

Features:

➢ Lightest weight and most compact 3W LED unit. This light supplies bright, white, shadow-free light allowing the doctor to see tissue characteristics without distortion.

➢ Enjoy the flexibility of operating the headlight using the rechargeable Lithium battery, can use without the direct power source. It is one of the most comfortable lightweight headlights and suitable for all kinds of surgery.

➢ The headlight could be used when it is charging.Has low-battery indicator light.

➢ Adapts to any Frame and Loupes of Zumax.

➢ Smart design, HL8300 Headlight combined with SLF Binocular Loupes convenient for mobile diagnosis.

Parameters:

Optical specificatoins	* Illumination in 200mm working distance: =30000 lx
Adjustable range	* Fluctuation distance: 12.5mm *Direction of Illumination: Vertical ±45°adjustable
Net Weight	* Head Lamp: 70g (excluding headband)
Electrical specifications	* Illumination Source: extremely bright light, 3W LED. Life 20000 hours continuous burn. * Battery: 3.6V Lithium battery (rechargeable) * Battery Run-time: >7 hours * Input Voltage: 110VAC/ 220 VAC * Maximum Power input: 10W * Electrical Safety Standard: IEC60601.1 class II equipment

Ophthalmic A Scan

▭ MD-1000P Ophthalmic Ultrasound Pachymeter

Features:

➤ Precise measurement with both immersion & contact mode

➤ Touch screen, extremely easy use

➤ Portable & sleek design

➤ Auto/manual modes, Auto gain control

➤ Built-in thermal printout

Parameters:

Pachymeter (for MD-1000P & MD-1000A/P)	
Probe frequency	15~20MHz
Display resolution	1μm
Biometry accuracy	≤±5μm
Measuring scope	230~1200μm
Multiple corneal maps with graphical display	

▭ CAS-2000AER Ophthalmic A Scan

Features

➤ 1. Portable, easy to take

➤ 2. High Speed LCD Display Touch Screen

➤ 3. Build-in Thermal Printer

➤ 4. Professional Data Report

➤ 5. SRK-II, SRK/T, Hoffer-Q, Holladay, SCDK, Haggis IOL table caculate

Parameters:

Model	CAS-2000AER (with touch screen)
Probe	10MHZ
Method	Contact, Immersion(optional)
Accuracy	0.05mm
Storage	8 groups
IOL table calculate	SRK-II, SRK/T, Hoffer-Q, Holladay, SCDK, Haggis
Measure	ACD, Lens ,Vitreous, Axial length, and its Average
Modes	Manual, Automatic
Printer	Inner thermal printer
Power	AC220V+/-10% 50HZ
Display Monitor	High speed LCD
Report Data	Patient's name, ID, Right/Left, Doctor's name, Date, IOL Table

CAS-2000BER (Model A) Ophthalmic A/B Scan

Features

➢ USB 2.0 compatible.

➢ Ultrasonic videoing workstation

➢ B ultrasonic image dynamic playback

➢ B ultrasonic videoing grey scale reaches 256

➢ Small, light, compatible.

➢ Convenient to take.

Parameters:

Technical Specifications	
A MODE	
Probe	10MHz
Accuracy	0. 05mm
Measure	ACD, Lens, Vitreous, Axial Length, and its Average
IoL Calculation	SRK-II, SRK/T Hoffer-Q, Holladay, SCDK, Haigis etc
Modes:	Manual, Automatic
Information storage:	Mass memory, Build-in Case history
Image annal:	External high definition ink-jet printer
Power:	AC220V±10%50Hz
B Mode	
B-Scan Mode:	Mechanic Sector Scan
Scan Angle:	53°
Detect Depth	≥50mm
Probe:	10MHz
Resolution:	Vertical≤0.2mm
	Lateral≤0.5mm
Gray Scale	Levels 256
Display Mode:	B, B+B, B+A
Image Storage:	10Frames
Image Post Processing:	Brightness, Comparison, Smooth, Sharp, Gray, Stretch, Equalize, Etc

CAS-2000BER (Model B) Ophthalmic A/B Scan

Features

- USB 2.0 compatible.
- Ultrasonic videoing workstation
- B ultrasonic image dynamic playback
- B ultrasonic videoing grey scale reaches 256
- Small, light, compatible.
- Convenient to take.

Parameters:

Technical Specifications	
A MODE	
Probe	10MHz
Accuracy	0. 05mm
Measure	ACD, Lens, Vitreous, Axial Length, and its Average
IoL Calculation	SRK-II, SRK/T Hoffer-Q, Holladay, SCDK, Haigis etc
Modes:	Manual, Automatic
Information storage:	Mass memory, Build-in Case history
Image annal:	External high definition ink-jet printer
Power:	AC220V±10%50Hz
B Mode	
B-Scan Mode:	Mechanic Sector Scan
Scan Angle:	53°
Detect Depth	≥50mm
Probe:	10MHz
Resolution:	Vertical≤0.2mm
	Lateral≤0.5mm
Gray Scale	Levels 256
Display Mode:	B, B+B, B+A
Image Storage:	10Frames
Image Post Processing:	Brightness, Comparison, Smooth, Sharp, Gray, Stretch, Equalize, Etc

ODM-2100 Ophthalmic A/B Scan

Features:

Imaging Mode: B, B+A, B+B, A	Various Area Measurement Methods
High Resolution Images	Measuring Mode: Contact and Immersion
Memory: up to 8 Image	8 Groups' Average with Standard Deviation (S.D.)
Zoom: 34 ~ 60mm, up to 6 steps adjustable	Save up to 50 Groups of IOL Calculation Results
Variable Displaying Area	B-Probe Protection: Hibernation after 10 minutes of Continuous Scanning
5 Segments Adjustable TGC	Foldable Keyboard & Portable Design
Cineloop for 5.6sec	Trackball for Easy Measurement and Operation
Accurate Axial Measurement under B-mode (SMI-5)	Real-Time Clock
Manual Correction of Axial Measurement under A-mode (SMI-5)	
Multi-groups of Calipers for Distance Measurement	Optional Image Output: Video Printer or Workstation

Parameters:

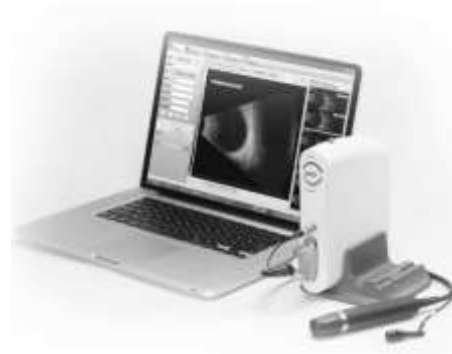| B-SCAN	
Probe Frequency:	10MHz
Scanning Angle:	53°
Resolution:	axial≤0.2mm, lateral≤0.4mm
Total Gain:	≥98dB, adjustable
Zoom:	34mm ~ 60mm, 6 steps adjustable
TGC:	-30dB ~ 0dB dynamic, 6 Points manually adjustable
Dynamic Replay for 5.6 sec, 56 images displayed continuously or separately	
Variable Delay Depth:	0~15 mm
Multi-groups of Electronic Calipers for Distance Measurement	
Various Area Measurement Methods	
Post Processing:	4 groups of curves (Linear, Logarithmic, Exponential, S-curve)
Gray Scale:	256 levels
A-SCAN	
Probe:	10MHz with Fixation Red Light
Resolution:	0.01mm
Biometry Accuracy:	≤±0.06mm
Gain:	≥98dB with an adjustable range of 0 ~ 55dB
Measuring Range:	15~39mm
Measuring Parameters:	Anterior Chamber Depth, Lens Thickness, Vitreous Length and Axial length.
5 Different Measuring Modes:	Automatic (for Normal, Dense Cataract, Aphakic and Pseudo-aphakic) & Manual
Calculation of 8 Groups' Average with Standard Deviation (S.D)	
IOL Formula:	SRK/T, SRK-II, BINKHOST-II, HOLLADAY, HOFFER-Q and HAIGIS
Save up to 50 groups of results and 4 groups of IOL constants	
Others	AC 100~240V, 50/60Hz

Ophthalmic A/B Scan

▭ SW-2100 Ophthalmic A/B Scan

Function: SW-2100 A/B scan has three modes, normal, vitreous body enhancement, retina observation. Mainly used for diagnosis of intraocular diseases, display the location, shape range of the focus of infection and the relationship with the detachment, eye base tumors etc. Eye diseases, Ascan is used to measure anterior chamber depth, lens thickness, axial length, and calculate diopter of the implant IOL.

Features:

➢ B scan examination interface A scan examination interface

➢ image dispose interface Report generated interface inquiry medical case interface

➢ B scan image A scan image

➢ 10MHz Bscan Image 20MHz Bscan Image

Parameters:

B scan	Frequency:	10MHz ,Magnetic driven, noiseless
	Scanning Mode:	Sector Scanning
	Magnify:	Multi continuous magnification,Real-Time magnification
	Resolution:	Lateral ≤0.3mm;Vertical≤0.2mm
	Depth:	60mm
	Scanning Angle:	53°
	Gray Scale:	256
	False Color:	Multi colors. OTC
	Measure Mode:	4 distances, 2 angles, perimeter and area
	Movies:	100 images movie review,AVI ZIP JPG format image output
A scan	Frequency:	10MHz, with LED
	Depth:	15-40mm
	Precision:	±0.05 mm
	Measurement:	AL, ACD, L, V and the average
	IOL Formula:	SRK-II, SRK-T, HOFFER-Q, HOLLADAY,BINKHORST-II, HAIGIS
	Stat Calculation:	Average and standard deviation
	Store:	10 Scanning results for each eye
Other	Display Mode:	B,B+B,B+A,A
	Case Report:	PDF format case report archiving
	Case Search:	Multi-keywords

ODU5 Ophthalmic A/B Scan

ODU5
Ophthalmological A/B Mode Ultrasound Scanner

Abundant data storage

▶ Built-in 16GB D disk can store data, images and reports

▶ USB Support U disk, software upgrade and one-key storage

▶ DICOM3.0 Network port makes data transmission easily

Practical workstation

▶ The system comes with simple, practical, easy-to-work software to print and manage data

▶ Report-print, screen copy, IOL report, case reports with images

10.4"

Freely software upgrade by USB port

Report output

4.6KG

A scan parameter

▶ 10MHz with Fixation Red Light

▶ Resolution:0.01mm

▶ Accuracy: ±0.1mm

▶ Measuring Range: 15~40mm

▶ Measuring parameters: ACD, Lens, Vitreous body, AL

▶ Measuring method: Contact and Immersion

▶ Modes: Support Normal, Cataract, Aphakic and Special eye model

▶ IOL formulas: SRK-T、SRK-II、BINKHORST、HOLLADAY、HOFFER-Q、HAIGIS Save up to 100 group of results

B scan parameter

▶ 10MHz probe, 10 frames/sec

▶ Scanning Angle: 53°

▶ Gain: 0~120dB adjustable, 8 steps manually adjustable TGC

▶ Distance, circumference, area, volume and angle measurement

▶ Pseudo-color: 8 kinds

▶ Cineloop: 128 frames, measurement available

▶ Post processing: 8 groups of curves

Standard configuration

▶ Main unit

▶ 10MHz Mechanical sector B probe

▶ 10MHz A probe

▶ Foot switch

▶ Network cable

▶ Workstation software

Optional configuration

▶ Battery

▶ Video recorder

▶ Immersion shell

Accessories

10MHz A-scan probe

10MHz B-scan probe

Foot switch

ODU8 Ophthalmic A/B Scan

ODU8

Ophthalmological A/B Mode Ultrasound Scanner

A-SCAN

- ACD, Lens, Vitreous and Axial length measurement
- IOL Formulas:SRK-II, SRK-T, BINKHORST, HOLLADAY, HOFFER-Q, HAIGIS
- Direct contact/ Immersion measurement
- Support Normal, Cataract, Aphakic and Special eye model

B-SCAN

- High resolution and contrast B scan
- 8 kinds pseudo-color
- Multiple electronic measurement: Distance, Area, Circumference, Volume
- 8 kinds TGC adjustable

Freely software upgrade by USB port

Report output

Standard configuration

- Main unit
- 10MHz Mechanical sector B probe
- 10MHz A probe
- Foot switch
- Network cable
- Workstation software

Optional configuration

- Trolley
- Video recorder
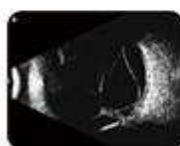- Immersion shell

Accessories

10MHz A-scan probe

10MHz B-scan probe

Foot switch

Images

Ultrasound A Scan+ Pachymeter

SW-1000A/P Ultrasound A Scan+ Pachymeter

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- With macular recognition function, can accurately measure axial length, anterior charmber depth.
- With the central area and the peripheral areas gain automatic compensation capability, accurate measurement of central and peripheral corneal thickness, is widely used in the preoperative examination and postoperative effect evaluation of refractive surgery.
- Can display ultrasound waveform when measuring
- Each group is the average of 20 measurements
- Switch between IOP measured value and actual value
- Can input name, ID and operator's name
- Large color liquid-crystal screen
- Touch screen input, easy operation
- Curve freezing: Manual/Auto mode, controlled by pedal
- Built-in speed thermal printer

Parameters:

A scan probe	
A scan probe:	10MHz import small size probe, built-in illumination
Measuring range:	15mm-40mm
Measurement precision:	±0. 05mm; with macula lutea trace function
Measurement:	Anterior chamber depth, lens thickness, vitreous body length, total length and average
Method of measurement:	immersion and contact
Eye mode:	Phakic/ Aphakic/Dense/ various IOL
IOL formula:	SRK-II,SRK-T, BINKHORST- II , HOLLADAY,HOFFER-Q,
HAIGIS	
Enter the name & ID:	easy to check archive
Storage:	10 cases, 5 readings each case
Output	A scan waveform and IOL calculation sheet
P scan probe:	20MHZ, angle of 45 degrees makes easier operation
Resolution:	5um
Measuring range:	150um~1500um
Display:	SINGLE mode and MAP mode

🔲 OD1 A/P Ultrasound A Scan+ Pachymeter

OD1
Bio&Pachy Meter

10.0MHz A probe   20.0MHz angled probe

- Nearly 20 years ultrasound research history, bring you OD1 series for ophthalmology biometry.
- 5.7" color LED touch screen, more convenient for your operation.
- Immersion & contact methods, precise measurement.
- Built-in thermal printer, realize print anytime.
- I-station software enable massive storage, report transmission and print.
- Sensitive , accurate measurement, show 10 groups with deviation meanwhile.
- With IOP(intraocular pressure) adjustment after get tonometer measurement results.

A-Scan

- 10MHz red-light A scan probe
- Resolution: 0.01mm
- Accuracy: ±0.1mm
- Gain adjustable: 0-120dB
- Measurement range: 15~35 mm (vel 1640m/s)
- Measurements: ACD, Lens, Vitreous, and AXL
- Examination modes: Support Normal, Cataract, Aphakic and Special eye model
- Measurement mode: Immersion and contact ,auto and manual
- IOL formulas: SRK-II,SRK-T,BINKHORST, HOLLADAY, HOFFER-Q,HAIGIS

Pachymeter

- 20MHz angled pachymeter probe
- Resolution: 1um
- Measurement range: 0.23~1.2mm
- Accuracy: ±0.005mm
- Single or nine points measurement, average reading increase accuracy

Standard configuration

OD1-A Biometer :	OD1-P Pachymeter :	OD1-AP Biometer/Pachymeter:
Main unit	Main unit	Main unit
10.0MHz A probe	20.0MHz angled probe	10.0MHz A probe
Gage block for A-Scan/Biometer	Gage block for Pachymeter	20.0MHz angled probe
Power adapter	Power adapter	Two kinds of Gage blocks
Touch screen pen	Touch screen pen	Power adapter
		Touch screen pen

Optional accessories

Immersion shell   Foot switch   Battery   Battery charger

SK-2000AP Ultrasound A Scan+ Pachymeter

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Parameters:

Technical Specification	Parameter	Instructions
Frequency	A Scan: 10Mhz Pachymetry: 20Mhz	20Mhz for Corneal Thickness
Resolution	≤0.05mm	For Axial Length
	≤0.01mm	For Corneal Thickness
Total Gain	96db	
Display	6.5 inch color LCD touchable screen	
Display Resolution	≤0.01mm	
Spreed Velocity	Sound Velocity 1641, 132	
Data Output	Cornea, ACD, Lens, Vitreous, Axial	Velocity selectable for different segments
Data Group	10 groups	Average & Deviation
IOL Formulas	SRK-T, Hollady, Hoffer Q, SRK-2, Binkhorst II, Haigis	6 Most Common used
Examine Modes	Phakic, Dense, Aphakic, PMMA, Silicone, Acrylic	Auto & Manual
Examine Methods	Direct Contact & Immersion	Cup Prague
Database	100	
Print	Thermal Printer Embedded	
Voltage	AC.100-240V 50/60Hz	

SW-6000 Corneal Topographer

Function :

Corneal map, corneal topographer SW6000

By PLACIDO cone, 31 rings, a total of 7936 points. Through calculation and analysis, used in the clinical diagnosis of corneal astigmatism, quantitative analysis of corneal shape, display the corneal curvature by data or different colors, can display axial curvature map, tangential curvature map, height map, simulated corneal lens map and corneal 3D map. Can be used in preoperative examination and postoperative effect evaluation of corneal refractive surgery, can guide wearing contact data lens, to improve the accuracy of adaptive contact lens.
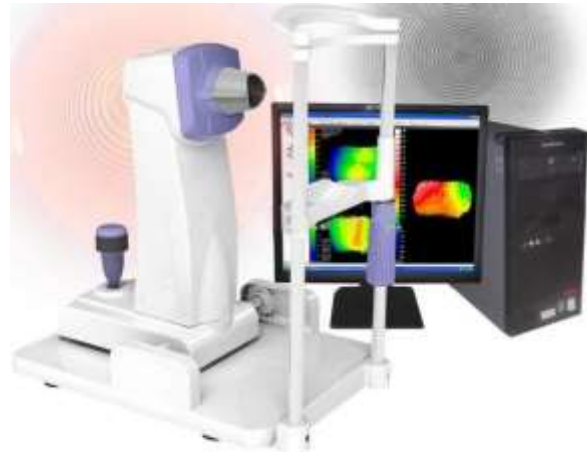
Parameters:

1.Measuring method:	Placido cone
2.Coverage Diameter	10.91 mm
3.Measuring range for curvature radius:	5.5mm-10.0mm
4.Diopter range:	33.75D-61.36D
5.Precision:	±0.02mm
6.Placido rings:	31 rings
7.Measurement points:	7,936 points
8.Display axial curvature map, tangential curvature map, elevation map, imitated keratoscope map and 3D cornea map	
9.Image output:	High-quality color inkjet printer
10.Adjust range:	left/right 86mm ; forward/backward 40mm ; up/down 30mm ; chinrest 5omm
11.Cornea contact lenses fitting function	
12.Keratoconus detecting function	
13.Output: Optional printer	

MD-480A PHACO EMULSIFIER

Features:

- ➢ All parts of the system are fully controlled and monitored by Microprocessor Technology:

- ➢ Smoothly and efficiently controlling the emulsifier process with digital frequency tracing technology of hand piece

- ➢ Easy operation and user-friendly interface with large TFT touch screen and functional menu

- ➢ Up to 10 sets of parameters preset meet different requirements and simplify the surgery operation

- ➢ Auto test checks tubing and hand piece problems (e.g.: block or leakage)

- ➢ The peristaltic pump gives complete control of aspiration flow rate as well as freedom from anterior chamber shallowing. This way can give stronger suction when working in I/A

- ➢ Built-in Vitrectomy and Cautery

- ➢ Intelligent Voice Reminder

Parameters:

Ultrasonic Emulsification (U/S)	
Frequency:	40kHz
Functional mode: Continuance, Pulse, Linear, Burst	
Continuance:	Emulsifying power Range: 0 ~ 100%
Pulse:	Frequency Range 1 ~ 99Hz
Linear:	Emulsifying power linearly controlled by the foot switch, varies between 0 ~ 100%
Burst-Stopping Time:	1.5 ~ 0s
Burst-Working Time:	5 ~ 100ms
Maximum Vacuum:	500 mmHg
Maximum Flux Rate:	40 ml/min
Irrigation/Aspiration --- Peristaltic Pump	
Flux Rate:	0 ~ 40 ml/min
Reflux Rate:	20 ml/min
Max Vacuum:	0 ~ 500 mmHg
VIT (Vitrectomy)	
Cutting Power Source:	Air Pump
Cutting Frequency:	20 ~ 600/min, step 10/min
Maximum Vacuum:	500 mmHg
Maximum Flux Rate:	40 ml/min
Cautery	
Maximum Power:	10 W ± 20 % (200Ω)
Type:	Bipolar
Power preset between:	0 ~ 100%

Operation table

KDT-Y08A Operation Table

Features:

➢ These tables are new products developed according to the requirements the hospital clinics ,especially suitable for the ophthalmological surgery.

➢ The significant characteristic of this operation table lies in the lowest height 530mm,convenient for the doctors conduct ophthalmological operations with sitting posture equipped with hand rests to reduce their fatigue.

➢ The ascending and descending movement of the operation table is done by the import electric handspike . It has the advantages of low noise, high reliability and convenient operation.

Parameters:

Table size	2000mm*540mm
Lifting table	730mm-530mm
Leg board adjustable range	removable
Head board adjustable range	up≥100mm；down≥50mm
Longitudinal displacement	NO
Input Power	220V±22V 50Hz±1Hz

Standard accessories	Qty
Operating table	1
Arm plate	2
Elbow frame	2
Anesthesia screen frame	2
Fixer	5
Manual controller	1
Certificate	1
User manual	1

Shadowless lamp

KYLED-500/LED-500 Shadowless lamp

Features:

➢ 　1、Ideal cold light effects: Using the new LED cold light source, energy saving and environmental protection and long service life up to 80,000hours or more. Temperature increase over surgeon's head <1℃ 。

　LED do not engender infrared ray and ultraviolet radiation, it doesn't have the temperature rise and tissue damage caused by halogen shadowless light, can accelerate the wound healing after surgery, and has no Radiation pollution. LED color temperature constant, soft, very close to the natural sun light.

➢ 　2、Excellent shadowless effect: Lamp with the most scientific radian, Multi point light source design, so that more fullness of the light spot,When the lamps are partially occluded, also can achieve perfect shadowless effect.

　Lamp panel radius of gyration:≥182cm, the lamp can be pulled to vertical floor, convenient to any angle illumination.

➢ 　3、Excellent deep lighting

➢ 　4、Advanced control system: The use of liquid crystal display button control, to meet the needs of the medical staff of different patients with the brightness of the operation. It offers illuminance memory function.

　5、Universal suspension system: Rotating arm, a new type of alloy material is made of eight edge type.

　Balanced system using imported arm module, more than 5 group universal joints, every cantilever must has more than 3 joints which can be rotated in 360°, The structure is light, easy to manipulate, accurate positioning, can provide the maximum range of regulation.

　The equipped with fatigue correcting unit and fix position hand handle device, easy to fix position after long time use.

➢ 　6、Modern laminar lamp: The thickest part of lamp-chimney is not more than 10cm.

　The lamp-chimney is made of ABS, The handle on the central of lamp can be detachable, can take high temperature (≤ 134°C) sterilization treatment, easily adjust, flexible fixed.

Parameters:

Technical Parameters	LED500
Illumination (Lux)	30,000-160,000Lux
Lamp Bulb Quantity	48
Bulb Type	German OSRAM LED bulb
Bulb Average Life	≥80, 000h
Color Temp (K)	3700K ~ 5000K
Color Rendering Index (CRI)	85~ 98
Illumination Depth(mm)	50-180cm
Facular Diameter(mm)	160-280mm
Dimming Control	1%-100%
Bulb Power	48
Temp Rise (doctor head)	<1℃
Input Power	AC100-240V　50/60HZ
Best Install Height(m)	2.7-3.1m

KYLED-500

LED-500

KDZF-500 Shadowless lamp

Features:

➢ ZF series of reflective shadowless lamp is widely used in various occasions operation lighting needs, is the ideal lighting equipment of modern operation room.

➢ Full close streamline lamp body design completely meets the demand of the sterilization and high standard of laminar flow purification in operation room.

➢ Adopting more than 5280 slices of reflection mirror, guaranteeing 1200 mm lighting depth.

➢ Special design of color temperature compensation provides closer to that of natural sunlight and helps the doctor to distribute operation parts clearly and accurately.

➢ The back-up battery will start work within 0.2 seconds automatically in case the main battery is damaged,ensuring the continuation of surgical operation. There's failure indication in the handle control panel, to recommend the bulb to be changed after operation.

➢ detachable handle jacket ,can be used for high temperature (≤134℃)sterilized.

➢ Digital-control circuit offers many functions, with 10 segment brightness selection stepless lighting regulation, brightness memory, low voltage, start-up and power on self test etc.

➢ The life-span of OSRAM halogen bulb is up to 1500 hours; the bulbs can be changed easily.

➢ Germany ORSAM lamp socket, thermo stability

➢ Balance arm can be optional Germany imported or domestic.

➢ Mould Die-casting Eight edge type Revolving arm

Parameters:

Technical Parameters	KDZF500
Illumination (Lux)	35,000-160,000Lux
Bulb Average Life	≥1500h
Color Temp (K)	4500K±250K
Color Rendering Index (CRI)	≥97%
Illumination Depth(mm)	50-180cm
Facular Diameter(mm)	160-280mm
Dimming Control	10 shift scales
Bulb Power	150
Temp Rise (doctor head)	< 2℃
Back-up Lamp Reaction Time	< 0.2s
Input Power	AC100-240V 50/60HZ
Best Install Height(m)	2.7-3.1m

Shadowless lamp

🔷LED-700 Shadowless lamp

Features:

➢ 1、Ideal cold light effects: Using the new LED cold light source, energy saving and environmental protection and long service life up to 80,000hours or more. Temperature increase over surgeon's head < 1℃。

LED do not engender infrared ray and ultraviolet radiation, it doesn't have the temperature rise and tissue damage caused by halogen shadowless light, can accelerate the wound healing after surgery, and has no Radiation pollution. LED color temperature constant, soft, very close to the natural sun light.

➢ 2、Excellent shadowless effect: Lamp with the most scientific radian, Multi point light source design, so that more fullness of the light spot,When the lamps are partially occluded, also can achieve perfect shadowless effect.

Lamp panel radius of gyration:≥182cm, the lamp can be pulled to vertical floor, convenient to any angle illumination.

➢ 3、Excellent deep lighting

➢ 4、Advanced control system: The use of liquid crystal display button control, to meet the needs of the medical staff of different patients with the brightness of the operation. It offers illuminance memory function.

➢ 5、Universal suspension systeml: Rotating arm, a new type of alloy material is made of eight edge type.

Balanced system using imported arm module, more than 5 group universal joints, every cantilever must has more than 3 joints which can be rotated in 360°, The structure is light, easy to manipulate, accurate positioning, can provide the maximum range of regulation.

The equipped with fatigue correcting unit and fix position hand handle device, easy to fix position after long time use.

➢ 6、Modern laminar lamp: The thickest part of lamp-chimney is not more than 10cm.

The lamp-chimney is made of ABS, The handle on the central of lamp can be detachable, can take high temperature (≤ 134°C) sterilization treatment, easily adjust, flexible fixed.

Parameters:

Technical Parameters	LED700
Illumination (Lux)	40,000-180,000Lux
Lamp Bulb Quantity	80
Bulb Type	German OSRAM LED bulb
Bulb Average Life	≥80, 000h
Color Temp (K)	3700K～5000K
Color Rendering Index (CRI)	85~ 98
Illumination Depth(mm)	50-180cm
Facular Diameter(mm)	160-280mm
Dimming Control	1%-100%
Bulb Power	80
Temp Rise (doctor head)	< 1℃
Input Power	AC100-240V　50/60HZ
Best Install Height(m)	2.7-3.1m

Shadowless lamp

🔵 KDZF-700 Shadowless lamp

Features:

- ➤ 1.ZF series of reflective shadowless lamp is widely used in various occasions operation lighting needs, is the ideal lighting equipment of modern operation room.

- ➤ 2. Full close streamline lamp body design completely meets the demand of the sterilization and high standard of laminar flow purification in operation room.

- ➤ 3. Adopting more than 5280 slices of reflection mirror, guaranteeing 1200 mm lighting depth.

- ➤ 4. Special design of color temperature compensation provides closer to that of natural sunlight and helps the doctor to distribute operation parts clearly and accurately.

- ➤ 5. The back-up bulb will start work within 0.2 seconds automatically in case the main battery is damaged, ensuring the continuation of surgical operation. There's failure indication in the handle control panel, to recommend the bulb to be changed after operation.

- ➤ 6. detachable handle jacket ,can be used for high temperature (≤134℃)sterilized.

- ➤ 7. Digital-control circuit offers many functions, with 10 segment brightness selection stepless lighting regulation, brightness memory, low voltage, start-up and power on self test etc.

- ➤ 8. The life-span of OSRAM halogen bulb is up to 1500 hours; the bulbs can be changed easily.

- ➤ 9. Germany ORSAM lamp socket, thermostability

- ➤ 10.Balance arm can be optional Germany imported or domestic.

- ➤ 11. mould Die-casting Eight edge type Revolving arm.

Parameters:

Technical Parameters	ZF700
Illumination (Lux)	40,000-180,000Lux
Bulb Average Life	≥1500h
Color Rendering Index (CRI)	≥97%
Illumination Depth(mm)	50-180cm
Facular Diameter(mm)	160-280mm
Dimming Control	10 shift scales
Bulb Power	150
Temp Rise (doctor head)	< 2℃
Back-up Lamp Reaction Time	< 0.2s
Input Power	AC100-240V 50/60HZ
Best Install Height(m)	2.7-3.1m

YAG LASER

MD-920 YAG LASER

Parameter:

| Specifications	
Laser Type: Nd:YAG	Nd:YAG
Wavelength:	1064 nm
Mode:	Q-Switch
Pulse Output:	1,2,3 pulse
Pulse Width:	4.5 ns
Pulse Repetition Rate:	2.5Hz
Output Energy	
1. 1 pulse maximum output:	11mJ
2. 2 pulse maximum output:	9mJ
3. 3 pulse maximum output:	28mJ
4. Output Energy Regulation:	100%~6% adjustable by 7 steps
Cone Angle:	18°
Spot Size:	30 um
Aiming Beam Wavelength:	630-680nm
Aiming Output Power PC:	< 0.4 mW

Synoptophore

🔲 YZ23B Synoptophore

Features:

➢ Diagnosis and treatment combined with the functions of simultaneous perception, fusion, stereopsis, red reflex and after-image.

➢ Equipped with a pair of Haidingers Brush and 20 pairs of pictures with different functions.

➢ Using transflective reflector in the design of viewing system to facilitate the user to observe ocular position.

➢ Using advanced LED light in the illumination with even illumination, low heat and long service life.

➢ Pictures designed by new technology are anti-broken and has long service life.

➢ Manual or automatic coruscation with accurate frequency and various type is at user's option.

➢ Optional pictures are provided for quantitative measuring of stereopsis acuity (40"~1000").

Parameters:

Magnification	1.65×
Diameter of Field	≥56mm
Red Light	λ = 640nm coruscation system
Left and right tubes rotate around vertical axis	converging 50°, diverging 40°
Left and right tubes rotate around horizontal axis	±30°
Pictures of left and right can be moved up and down according optical axis	±10Δ
Pictures of left and right rotate around optical axis	±20°
Pupilary Adjustment	45~75mm
Darkroom Illumination	LED bulb with symmetry design
Adjustable Haidingers Brush	50~100 round/minute
Coruscation Form	manual or automatic
Automatic Coruscation Frequency	10-Steps, 30~300 times/minute
Range of Automatic Coruscation (each cycle)	1/4 on 3/4 off, 1/2 on 1/2 off, 3/4 on 1/4 off
Type of Automatic Coruscation	Left and right can be turned on or off at the same time Left and right can be turned on or off alternatively One on and the other off One on or off while the other can be turned on or off

Patternless Lens Edger
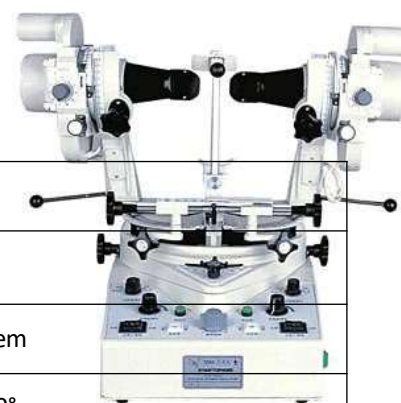
ALE-1000 Auto Lens Edger + ST-1200 Auto Lens Scanner

Features:

- Adapt to PC glass, Resin, HI, HC and TR lens material
- Three grade headpiece pressure to present the lens from being out of axis
- Special design suction cup holder to realize lens returning by one push
- It is adjustable for the scanning light source, more than 98% Demo lenses are available
- Have the optical centering and geometric centering modes
- Turn out to install the suction cup, easier to operate
- Digital template can edit the figure
- 500 sets lenses data storage

Parameters:

ALE-1000	
Dimension	620mmx520mmx600mm
Voltage	AC 220V/110V 50/60HZ
Power	550W
Accuracy	Tolerance ±0.01mm
Size Range	20mm~80mm
Axis Accuracy	0.1°
The adjustable step length of size	0.05mm
Clamping Pressure	80KG
Material	PC, glass, CR, HI,HR, TC
Processing Type:	Pointy edges, plat band, bevel polishing, plat band polishing
Screen	High resolution 640x, true color, 5.7 inch TFT LCD, lens photograph displayed as 1:1 and with use-friendly operating interface
ST-1200	
Dimension	325X250X205mm
Voltage	AC 220V/110V 50/60HZ
Power	60W
ADD adjusting range	6mm
Screen tilt range	0~130
Max storage	500 sets
Touch Screen	7 inch capacitive screen

We also have ALE-1200 + ST-1200 PLUS, the upgrade one from ALE-1000

ALE-1200 Auto Lens Edger + ST-1200 PLUS Auto Lens Scanner

Features:

- 7 inch LCD touch screen (High Resolution 1024*600), the LCD module can overturn the shape of the left and right lens frames can be shown 1:1
- Satisfied with PC, HI, HR, Glass
- Have V polishing and fault polishing mode showing the nobleness
- 90mm diameter grinding wheel can satisfy the high bending lens cutting requirement
- Manual beveling and auto beveling function (the bevel position can be set 33%,   55% manually), the bevel path can be adjusted
- Optical path without parallax
- original shape scanning
- more accurate

Parameters:

ALE-1200	
Dimension	752mmx444mmx490mm
Voltage	AC 230V-50HZ 110V-60HZ
Power	1500W
Noise	75
Pump Power	350
Pump Voltage	AC 230V-50HZ 120V-60HZ
Working environment	5℃-40℃
Material	PC, glass, CR, HI,HR
Screen	7 inch LCD touch screen (High Resolution 1024*600)
ST-1200 PLUS	
Dimension	250X230X360mm
Voltage	AC 230V/115V 50/60HZ
Power	60W
ADD adjusting range	6mm
Screen tilt range	0~130
Max storage	500 sets
Touch Screen	7 inch capacitive screen

▭FE-600 Auto Lens Edger+FC-600 Plus Auto Lens Scanner

Features:

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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 arrived the most appropriate centric position

➢ Automatically avoid the effect of lens degree, prism and artificial parallax

➢ HR800*600, 8" COLOR TOUCH SCREEN.

➢ Simultaneously connect 2pcs FE-600 Auto edgers to build a machining center.

➢Easy operation ,low breakdown rate and quick service.

Edging system:

➢ A variety of material of lens can be processed , rapid edging to be molding.

➢ Bevel or plat band can be polished.

➢ Various grinding pressure meet the demands of different lenses.

➢ On-line function.

Parameters:

pecification :	FE-600+FC-600 Auto edger
Dimension:	65*45*47cm
Weight:	59kg
Power supply:	AC220v/50hz ,or 110V 60HZ
Max power:	800W
Specification :	Tracer center.
Dimension:	30*25*35cm
Weight:	7.5kg
Power supply:	AC230V/115V, 50*60Hz.
Power:	30W

LE-320P Auto Lens Edger

Features:

➢ Added the automatic emendation system in this new model.

➢ It can do automatic emendation when the machine start up,

  assure the size of lens(left and right) is uniform and improve the precision.

Parameters:

The size of Diamond wheel	Wheel 100*6	
	Groove Wheel: 100*23	
	Polishing wheel: 100*11	
Available lens range:	22-100mm	
The processing type:	pointy edges, plat band, bevel polishing	
The lens material:	GR, Glass, PC	
Dimension:	510L*490W*400H	
Weight:	49KG	
Voltage:	220V 50Hz	
Power:	500W	

LE-300 Auto Lens Edger

Features:

➢ Added the automatic emendation system in this new model.

➢ It can do automatic emendation when the machine start up,

  assure the size of lens(left and right) is uniform and improve the precision.

Parameters:

The size of Diamond wheel	CR Wheel:	100*16
	Glass Wheel:	100*16
	Groove Wheel:	100*23
	Polishing wheel:	100*11
Available lens range:	22mm-100mm	
The processing type:	pointy edges, plat band, bevel polishing	
The lens material:	CR, Glass	
Dimension::	510L*490W*400H	
Weight:	49kg	
Voltage:	220v ±10%	
Power:	500w	
frequently:	50Hz	

LE-420 Auto Lens Edger

Features:

➢ Added the automatic emendation system in this new model.

➢ It can do automatic emendation when the machine start up,

 assure the size of lens(left and right) is uniform and improve the precision.

➢ For CR, Glass lens+PC lens edging,flat and bevel polishing,higher speed edging.

Parameters:

The size of Diamond wheel	CR Wheel:	100*15.6
	Glass Wheel:	100*14
	Groove Wheel:	100*19
	Polishing wheel:	100*19
Available lens range:	22mm-100mm	
The processing type:	pointy edges, plat band, bevel polishing	
The lens material:	CR, Glass	
Dimension::	530L*500W*400H	
Weight:	50kg	
Voltage:	220v ±10%	
Power:	500w	
frequently:	50Hz	

SJG-6500 Auto Lens Edger

Features:

SJG-5189 Auto Lens Edger

Features:

➢ With the advanced technology and the imported PC wheel, Automatic Edger
   (PC Lens Compatible)gives the best performance in processing
   normal CR39 lens and the glass lens

Parameters:

Processing Lens:	PC Lenses, Glass Lenses, CR Lenses
Edging Diameter:	18mm-80mm
Wheels Diameter:	100mm
Power Supply:	110v-220v, 60hz-50hz AC 420W
Consumption:	400VA
Working Temperature:	5-40°
Dimension:	510X410X470
Weight:	48kgs
Water Supply:	Circulating Water

SJM-2007 Auto Lens Edger

Features:

➢ With the advanced technology and the imported PC wheel, Automatic Edger
   (PC Lens Compatible)gives the best performance in processing normal CR39
   lens and the glass lens

Parameters:

Cut-Grinding Clamp	0.5—0.78MP
Workable Diameter	Φ23—Φ80
Glossiness	B≤VII
Grinding Shape	Inward(Face)≥96%; Outward≥99%
Noise	≤60 dB
Grinding Wheel maximum Linear Velocity	15m/Sec. (3 Shift Gears)
Grinding Wheel Diameter	Φ100—Φ125
Grinding Wheel Chamber	60—100mm
Power Supply	
Main Power:	≤350v
Working Temperature:	5-40°
Dimension:	488*480*410mm
Weight:	58kgs
Power Supply:	AC 220V 50-60HZ

SJM-2008 Auto Lens Edger

➢ With the advanced technology and the imported PC wheel, Automatic Edger (PC Lens Compatible)gives the best performance in processing PC lens, normal CR39 lens and the glass lens

LG-7-20/LG-7-30/LG-7-35WV Manual Lens Edger

Characteristics:

35W	width35mm,right rough grinding 16mm,left fine grinding 19mm
35WV	width35mm,right rough grinding 16mm, left fine grinding 19mm, groove
20	width20mm,normal rough grinding

Parameters:

Technical parameters		
Dimension	180x265x305mm	350x220x210mm
Weight	5.0kg	5.0kg
Requirement Power	110V/220V AC 10W	60HZ/50HZ

LG-5-20 Manual Lens Edger

Features:

➢ For an optical glasses shop in Resin, acrylic and PC lenses edging, trimming, polishing.

➢ AC motor,big power,high speed rotating grinding wheel,fast grinding, facilitate water drainage.

➢ Single 20mm of grinding wheel.

➢ Single-wheel holder and double-wheel holder which can be choosed.

Parameters:

Parameter:	
Grinding wheel size	100x20x14mm
Rough grinding:	180#
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	5.5kg
Dimension:	41(L)x27(w)x28.5(H)cm

LG-5-30 Manual Lens Edger

Features:

➢ For an optical glasses shop in Resin, acrylic and PC lenses edging, trimming, polishing.

➢ AC motor, high speed rotating grinding wheel, fast grinding, facilitate water drainage.

➢ Single 30mm of grinding wheel.

➢ Single-wheel holder and double-wheel holder which can be choosed.

Parameters:

Parameter:	
Grinding wheel size:	100x30x14mm
Rough grinding:	180#
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	6kg
Dimension:	41(L)x27(w)x28.5(H)cm

LG-5-35W Manual Lens Edger

Features:

- For an optical glasses shop in Resin, acrylic and PC lenses edging, trimming, polishing.
- AC motor, high speed rotating grinding wheel,fast grinding, facilitate water drainage.
- Single 35mm wheel of Rough grinding and fine grinding.
- Single-wheel holder and double-wheel holder which can be choosed.

Parameters:

Parameter:	
Grinding wheel size	100x35x14mm
Rough grinding:	180#
Fine grinding:	240#
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	7.8kg
Dimension:	41(L)x27(w)x28.5(H)cm

LG-5-35WV Manual Lens Edger

Features:

- For an optical glasses shop in Resin, acrylic and PC lenses edging, trimming, polishing.
- AC motor, high speed rotating grinding wheel, fast grinding, facilitate water drainage.
- Single 35mm wheel of Rough grinding and fine grinding.
- Single-wheel holder and double-wheel holder which can be choosed.

Parameters:

Parameter:	
Grinding wheel size:	100x35x14mm
Rough grinding:	180#
Fine grinding	240#
Groove grinding	320#
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	7.8kg
Dimension:	41(L)x27(w)x28.5(H)cm

LG-5A-35G Manual Lens Edger

Features:

- For an optical glasses shop in Glass, Resin, acrylic and PC lenses edging, trimming, polishing.
- AC motor, high speed rotating grinding wheel,fast grinding, facilitate water drainage.
- Single 35mm wheel for Rough grinding and fine grinding.
- Good performance for glass lens
- Double-wheel holder

Parameters:

Parameter:	
Grinding wheel size	100x35x14mm
Rough grinding:	180#
Fine grinding:	240#
Groove grinding	320#
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	7.8kg
Dimension:	41(L)x27(w)x28.5(H)cm

LG-5E-20 Manual Lens Edger

Features:

- For an optical glasses shop in Resin, acrylic and PC lenses edging, trimming, polishing.
- DC motor
- Single 20mm of grinding wheel.
- Double-wheel holder

Parameters:

Parameter:	
Grinding wheel size	100x20x14mm
Rough grinding:	180#
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	5.5kg
Dimension:	41(L)x27(w)x28.5(H)cm

LG-5E-30 Manual Lens Edger

Features:

- For an optical glasses shop in Resin, acrylic and PC lenses edging, trimming, polishing.
- DC motor
- Single 30mm of grinding wheel.
- Double-wheel holder

Parameters:

Parameter:	
Grinding wheel size	100x30x14mm
Rough grinding:	180#
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	5.5kg
Dimension:	41(L)x27(w)x28.5(H)cm

LG-5E-35W Manual Lens Edger

Features:

- For an optical glasses shop in Resin, acrylic and PC lenses edging, trimming, polishing.
- DC motor
- Single 35mm wheel for Rough grinding and fine grinding.
- Double-wheel holder

Parameters:

Parameter:	
Grinding wheel size	100x35x14mm
Rough grinding:	180#
Fine grinding:	240#
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	6kg
Dimension:	41(L)x27(w)x28.5(H)cm

LG-5E-35WV Manual Lens Edger

Features:

- For an optical glasses shop in Resin, acrylic and PC lenses edging, trimming, polishing.
- DC motor
- Single 35mm wheel for Rough grinding, fine grinding and groove grinding.
- Single-wheel holder and double-wheel holder which can be choosed.

Parameters:

Parameter:	
Grinding wheel size:	100x35x14mm
Rough grinding:	180#
Fine grinding	240#
Groove grinding	320#
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	7.8kg
Dimension:	41(L)x27(w)x28.5(H)cm

CP-11A Manual Lens Edger

Features:

- double-wheel holder, big power
- high quality CE ISO
- new model, nice shape
- 20mm/30mm/35mm width grinding, rough/fine/groove grinding all available

Parameters:

Weight:	6kg
Voltage:	AC 110V/220V 60Hz/50Hz
Motor:	DC Motor
Holdel of wheel:	Double-wheel holder
Dimension::	47x27x33cm

Manual Lens Edger

LG-150 Hand edge-grinder

Auto water-supply system,fine grinding,rough grinding,grooving

Features:

- For an optical glasses shop in glass and plastic lens edging, trimming, polishing.
- It has safe railing with auto-switch.
- It has auto water-supply system, so it's convenient, safe and clean
- It's durable in use, as it has large diameter 150 diamond wheel.

Parameters:

Specification:	
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	9kg
Dimension:	43.5(L)x31.5(w)x31.5(H)cm

LG-316 Manual Lens Edger

For an glasses shop in glass and plastic lens edging, trimming, polishing.

Features:

Detailed Product Description:

- High-efficiency grinding wheel ensures rotating speed and cutting fine.
- Three grinding wheels integrate together, rough grinding, fine grinding and groove grinding all available.
- Equipped with illuminate device to ensure accurate operation.
- For resin, acrylic and glass lenses.

Parameters:

lectric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	9kg
Dimension:	39.5(L)x24.5(w)x29.5(H)cm

CP-6A Manual Lens Edger

Features:

- Non corrosive machine body.
- Suitable for plastic and glass lenses.
- Adjustable groove position (front-central-rear)

Parameters:

Weight:	5kg
Voltage:	AC 220V/50Hz, AC 110V/60Hz
power consumption:	35W
Dimension:	34cm X 21cm X 19cm
Motor:	AC Motor

LG-316A/B Manual Lens Edger

For an glasses shop in glass and plastic lens edging, trimming, polishing.

Features:

Detailed Product Description:

- High-efficiency grinding wheel ensures rotating speed and cutting fine.
- One grinding wheel, rough grinding and fine grinding are available.
- For resin, acrylic and glass lenses.

Parameters:

LG-316A with illuminate device, LG-316B without illuminate device	
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	120W
Weight:	7kg
Dimension:	39(L)x26(w)x31(H)cm

CP-6A Manual Lens Edger

Features:

➢ double wheels, aluminum cover pieces

➢ high quality CE and ISO

➢ competetive price

➢ nice shape

Parameters:

Weight:	15kg
Power Requirement:	110V/220V
Double wheels:	180
Dimension:	600(L)x465(w)x520(H)mm

LG-5D-35WV Manual Lens Edger and Polisher

For an glasses shop in glass and plastic lens edging, trimming, polishing.

Features:

Detailed Product Description:

➢ Big power, high speed rotating grinding wheel,fast grinding.

➢ Three wheels operating together, 35mm of rough grinding, fine grinding, edge groove grinding, and 1 piece of polishing cloth wheel.

➢ It has auto water-supply system, facilitate water drainage.

Parameters:

Parameter:	
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	100W
Weight:	8kg
Dimension:	39.5(L)x24.5(w)x30(H)cm

🔲 LG-6B Frame Warmer

Features:

➢ 1.the heating speed is fast, the air volume is large, can make the frame evenly heated;

➢ 2. Adjustable temperature.

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	450W
Temperature limit:	130°C
Weight:	1kg
Dimension:	30.5(L)x14.5(w)x19(H)cm

🔲 LG-6BT Frame Warmer

Features:

➢ An glasses shop in processing adjustment plate frame glasses, the frames heating purposes.

➢ It makes features of quick heating, big wind force, the frames uniform heating.

➢ Temperature and speed adjustable with knob

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	450W
Temperature:	70°C-130°C
Weight:	1kg
Dimension:	31(L)x14.5(w)x19(H)cm

🔲 LG-6D Frame Warmer

Features:

➢ It makes features of quick heating, big wind force, the frames uniform heating.

➢ Temperature fixed

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	450W
Temperature limit:	130°C
Weight:	1kg
Dimension:	20(L)x16(w)x27(H)cm

LG-6C Frame Warmer

Features:

➤ It makes features of quick heating, big wind force, the frames uniform heating.

➤ Temperature adjustable with knob

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	450W
Temperature:	70°C-130°C
Weight:	1kg
Dimension:	20(L)x16(w)x27(H)cm

LG-6AST Frame Warmer

Features:

➤ It makes features of quick heating, big wind force, the frames uniform heating.

➤ Temperature adjustable with LED

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	450W
Temperature:	70°C-130°C
Weight:	1kg
Dimension:	23(L)x13(w)x21(H)cm

LG-6AT Frame Warmer

Features:

➤ It makes features of quick heating, big wind force, the frames uniform heating.

➤ Temperature adjustable with knob

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	450W
Temperature:	70°C-130°C
Weight:	1kg
Dimension:	21(L)x19(w)x23(H)cm

LG-19T Frame Warmer

An glasses shop in processing adjustment plate frame glasses, the frames heating purposes.

Features:

➢ digital ceramics heating

➢ Button switch

Parameters:

Weight:	1kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power of heater:	500W
Power of motor:	15W
Wind speed:	1.8m/s
Temperature setting:	80°C-130°C
Dimension:	200*150*270

LG-19AT Frame Warmer

An glasses shop in processing adjustment plate frame glasses, the frames heating purposes.

Features:

➢ digital ceramics heating

➢ Digital display temperature adjustable

Parameters:

Weight:	0.5kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power of heater:	500W
Power of motor:	15W
Wind speed:	1.8m/s
Temperature setting:	80°C-130°C
Dimension:	200*150*270

Frame Warmer

🔲 FW-8 Frame Warmer

An glasses shop in processing adjustment plate frame glasses, the frames heating purposes.

Features:

➢ Smart design

➢ Temperature adjustable with knob

➢ Power and Temperature controlled separately

Parameters:

Power:	220V/50HZ or 110V/60HZ
Rated Power:	550W
Dimension:	210*140*230mm
Temperature:	100°C

🔲 FW-10 Frame Warmer

An glasses shop in processing adjustment plate frame glasses, the frames heating purposes.

Features:

➢ Temperature adjustable with knob

➢ Power and Temperature controlled separately

➢ Automatically power off when the temperature is too high

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	250W
Dimension:	310 x250 x160mm
Temperature	140°C

A Ultrasonic Cleaner

Features:

➢ 600ml Digital Ultrasonic Cleaner

Parameters:

Ultrasonic Frequency	42,000 Hz
Tank Material	Stainless Steel SUS304
Tank Capacity	600 ml
Timer	18 working circles, choose time freely
Power Supply	AC 100 ~ 120V, 50 / 60Hz AC 220 ~ 240V, 50 / 60 Hz
Power	35 W
Tank Size	155 x 95 x 52 mm (L x W x H)
Unit Size	210 x 145 x 140 mm (L x W x H)
Inner Carton Size	265 x 174 x 180 mm (L x W x H)
N.W.	0.9 kgs
G.W.	1.2 kgs

B Ultrasonic Cleaner

An glasses shop in processing adjustment plate frame glasses, the frames heating purposes.

Features:

➢ The cleaning effect is obviously. The cleaned objects can be seen twinkling and shining after cleaning.

➢ It can get the better cleaning result that all traditional technology can not do. Such as the dead of denture, toothbrush, printer and pen head, parts of machine, and intricate components.

➢ Delicate design of cover reduce the noises effectively.

➢ Good capability of waterproof, the products are safer and more durable.

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	50W
Weight:	1kg
Dimension:	25(L)x18(w)x17(H)cm
Tank Capacity	600 ml

GB-008 Ultrasonic Cleaner

Features:

➤ For cleaning optical glasses, optical lenses.

➤ With high efficient ultrasonic vibration system.

➤ Water- proof system inside

➤ Remarkable cleaning effect.

➤ CE Certificate

Parameters:

Weight:	1.2kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	120W
Dimension:	22*11.5*13cm
Tank Capacity	800 ml

GB-113T Ultrasonic Cleaner

Features:

➤ For cleaning optical glasses, optical lenses.

➤ With high efficient ultrasonic vibration system.

➤ Water- proof system inside

➤ Remarkable cleaning effect.

➤ CE Certificate

Parameters:

Weight:	1.2kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	120W
Dimension:	22*11.5*13cm
Tank Capacity	1300 ml

LG-400A/LG-400B Pattern Maker

Features:

➤ DC motor, imported Mills, stainless steel parts.

➤ The direct use of glasses lens or an existing template to produce optical lenses as the benchmark standard template,whether new or repair glasses can be applied.

➤ Lens clamping device, easy for operation.

➤ With three suction cup of Takubo, Briot and Topcon, easy to swap for a different lens edger.

➤ Cutting templates speed quickly and processing accurately.

Parameters:

LG-400A	DC motor, imported Mills, stainless steel parts
LG-400B	DC motor, domestic mills,copper parts.
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	50W
Weight:	4kg
Volume:	34(L)x21(w)x19(H)cm

LG-400AT Pattern Maker

Features:

➤ The usage of glasses lens or an existing template to produce optical lenses as the benchmark standard template,whether new or repair glasses can be applied.

➤ High quality imported milling cutter

➤ Quick cutting and high accuracy

➤ Lens pattern size is adjustable

Parameters:

Weight:	4.5kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	100W
Packaging Size:	34x21x19cm

CP-4A Lens Cutter

Features:

➢ Quick speed lens cutter.

➢ Cut CR lenses which are below 1.61

➢ Imported milling cutter

➢ With a knob to control the size of lens to cut.

➢ Accessories: 3pcs of sucker (Topcon,Briot and Takubo), 1pc of rubber chuck and 1pc of brush.

Parameters:

Weight:	5kg.
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	100W
Packaging Size:	34x31x19cm

LG-3T/LG-3CR Auto lens groover

Features:

➢ Non corrosive machine body.

➢ Suitable for plastic and glass lenses.

➢ Adjustable groove position (front-central-rear)

➢ No water system required.

➢ Accurate on all profiles.

Parameters:

LG-3T	Iron plating panel
LG-3CR	**Stainless steel panel**
Weight:	2.7kg
Voltage:	AC 220V/50Hz, AC 110V/60Hz
power:	90W
Dimensions:	210X170X150mm
Groove depth:	from 0 to 0.7mm
Groove width	0.65mm
Lens thickness	from 1.5 to 11mm
Lens	from 18 to 70mm

LG-1800A/LG-1800B/LG-1800C Auto Lens groover

Features:

➢ For processing half-frame glasses and rimless-frame glasses' center curve, front curve and rear curve.

➢ Adjustable groove position: front, Center, rear

➢ Adjustable groove depth: from 0 to 0.7mm.

➢ Groove width: 0.65mm.

➢ Lens thickness: from 1.5 to 11mm.

➢ Lens diameter: from 18 to 70mm.

Parameters:

Electric Voltage	220V/50Hz or 110V/60Hz
Power	80W
Weight	2.9kg
Volume	27(L)x23(w)x22(H)cm

Model	Picture	Differences	Option
LG-1800A		Stainless steel panel with groove DC motor Diamond wheel for PC lens Φ =12mm small size guide wheel	AC motor Adjustable on both side Gold color(panel, Waterproof jacket, clip head, front axis, Square copper) (these options need extra cost, please request if you need)
LG-1800B		Stainless steel panel with groove DC motor Ordinary wheel Φ =12mm small size guide wheel	
LG-1800C		iron panel with groove DC motor ordinary wheel Φ =12mm small size guide wheel	

Auto lens groover

LG-1A/LG-1B/LG-1C Auto lens groover

Features:

➢ For processing half-frame glasses and rimless-frame glasses' center curve, front curve and rear curve.

Parameters:

Adjustable groove position:	front,Center, rear
Adjustable groove depth:	from 0 to 0.7mm
Groove width:	0.65mm
Lens thickness:	from 1.5 to 11mm
Lens diameter:	from 18 to 70mm
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	80W
Weight:	3kg

Model	Picture	Differences
LG-1A		Stainless steel panel with groove AC motor Diamond wheel for PC lens
LG-1B		Stainless steel panel with groove AC motor Ordinary wheel
LG-1C		Iron panel with groove AC motor Ordinary wheel

▢ LG-1800AD/LG-1800BD/LG-1800AT/LG-1800ADT Auto lens groover

Features:

> For processing half-frame glasses and rimless-frame glasses' center curve, front curve and rear curve.

Parameters:

Adjustable groove position:	front, Center, rear
Adjustable groove depth:	from 0 to 0.7mm
Groove width:	0.65mm
Lens thickness:	from 1.5 to 11mm
Lens diameter:	from 18 to 70mm
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	80W
Weight:	2.9kg
Dimension:	27(L)X23(W)X22(H)cm

Model	Picture	Differences	Option(raise extra cost if you need)
LG-1800AD		Stainless steel hollow panel AC motor Common blade Φ=12mm small size guide wheel One side adjustable for pressure of holder	gold color for panel, Waterproof jacket, clip head, front axis, Square copper parts
LG-1800BD		Stainless steel hollow panel, DC motor Common blade Φ=18mm small size guide wheel One side adjustable for pressure of holder	AC motor Adjustable both sides gold color for panel, Waterproof jacket, clip head, front axis, Square copper parts
LG-1800AT		Stainless steel hollow panel AC motor PC blade Φ=12mm small size guide wheel	gold color for panel, Waterproof jacket, clip head, front axis, Square copper parts
LG-1800ADT		Bronze panel AC motor Boutique blade Φ=22mm big size guide wheel	gold color for panel, Waterproof jacket, clip head, front axis, Square copper parts

12A/12B/12AT Auto lens groover & Beveller

Stainless steel Pierced panel Copper clip PC blade

Feature:

➢ For processing half-frame glasses and rimless-frame glasses' center curve, front curve and rear curve, and automatic beveling rimless or half-frame glasses lens.

➢ It made of stainless steel parts, stainless steel panel with groove, DC motor, imported diamond wheel.

➢ Suitable for PC,plastic,glass lenses.

➢ Groove width: 0.65mm.

➢ Lens diameter: from 18 to 70mm.

➢ Chamfer angles of lenses can be controlled automatically precisely.

➢ Suitable for plastic and glass lenses.

➢ Automatic chamfering speed quickly.

➢ With timing function (0 - 120seconds range)

Parameters:

Electric Voltage:	220V/50HZ or 110V/60HZ
Power:	80W
Dimensions:	330(L)×260(W)×195(H)mm
Weight:	4kg

Model	Picture	Differences
LG-12A		Stainless steel hollow panel Stainless steel Copper clip PC blade DC motor, imported diamond wheel Suitable for PC,plastic,glass lenses.
LG-12B		Stainless steel hollow panel Copper clip PC blade DC motor, imported diamond wheel Suitable for PC,plastic,glass lenses.
LG-12AT		Stainless steel panel Copper clip normal blade DC motor, imported diamond wheel Suitable for PC,plastic,glass lenses

Layout Blocker

🔲 LG-2GH/2A/2B/2C Layout Blocker

For processing eyeglass precision and axial position quickly, set the Center and the Center for displacement.

Features:

➢ Compact and pretty appearance design,no vision difference on the display screen, no deformation and accurate lens layout obtained, bifocal lens can be positioned quickly and accurately, the small lens can also be put in clear projectile.

➢ Large observation window directly observed through the mirror in the projection lens on the dial, more intuitive, more accurate, with lights, so that a clearer image, rotation rotary fixation sucker, the suction cup will be fixed at the lens center is more accurate

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	10W
Weight:	3kg
Volume:	30(L)x24.5(w)x30.5(H)cm

Differences Centering machines Series				
Model#	Product name	Window	Printing device	Remark
LY-2GH	Centering machine	Polarized glass	No	High definition
LY-2A	Centering machine	Common glass	Yes	
LY-2B	Centering machine	Common glass	No	
LY-2C	Centering machine	Common glass	No	Material is not so good as that of LY-2B

🔲 LG-918 Pattern Drilling Machine

Features:

Choose lens frame with supplementary lenses, drill three holes after that pupil height line and PD were drawn.

And then replacing the pattern, it can and be directly installed and used at Edge.

AC motor, Manual positioning bar, Metal parts, Lamp in dial

➢ LG-918 made of stainless steel parts, AC motor.

➢ Drilling three holes directly on demo lens together.

➢ Don't need make another pattern.

➢ Safe, precise, fast speed,competitive price.

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	90W
Weight:	2.5kg
Volume:	23(L)x13(w)x21(H)cm

🔲LG-918A Pattern Drilling Machine

Choose lens frame with supplementary lenses, drill three holes after that pupil height line and PD were drawn. And then replacing the pattern, it can and be directly installed and used at Edge.

Features:

➢ LY-918A made of AC motor.

➢ Drilling three holes directly on demo lens together.

➢ Don't need make another pattern.

➢ Safe, precise, fast speed,competitive price.

➢ Automatically adjust lens center device

Parameters:

Specification:	
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	90W
Weight:	2.5kg
Volume:	23(L)x13(w)x21(H)cm

🔲 LG-918B Pattern Drilling Machine

Features:

Choose lens frame with supplementary lenses, drill three holes after that pupil height line and PD were drawn. And then replacing the pattern, it can and be directly installed and used at Edge.

➢ AC motor, Auto positioning bar, Lamp in dial

➢ Drilling three holes directly on demo lens together.

➢ Don't need make another pattern.

➢ Safe, precise, fast speed,competitive price.

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	90W
Weight:	2.5kg
Volume:	23(L)x13(w)x21(H)cm

🔲 LG-918C Pattern Drilling Machine

Choose lens frame with supplementary lenses, drill three holes after that pupil height line and PD were drawn. And then replacing the pattern, it can and be directly installed and used at Edge.

Features:

➢ LY-918C made of AC motor.

➢ Drilling three holes directly on demo lens together.

➢ Don't need make another pattern.

➢ Safe, precise, fast speed,competitive price.

Parameters:

Specification:	
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	90W
Weight:	2.5kg
Volume:	23(L)x13(w)x21(H)cm

⬜ LG-918S Pattern Drilling Machine

Features:

Advantages of new pattern drilling machine LY-918S

➢ The dial can be pulled out so as to vertically observe the scale in the lens and reduce the horizontal difference

➢ caused by squint because of machine head blocking.

➢ Both sides of the pressure bar clamp tightly, to prevent lens slipping.

➢ Distance between pressure head is adjustable, can be used for small lens template fixed.

➢ The dial can be adjusted slightly before and after, with higher accuracy.the base is made of metal, more stable

➢ when operating.

Parameters:

Specification:	
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	90W
Weight:	3kg
Volume:	23(L)x13(w)x21(H)cm

Differences between LY-918 Series Pattern drilling machines					
Model#	Product name	Motor	Positioning bar	Lamp in dial	Remark
LY-918	Three-hole pattern driller	AC	Manual	Yes	Metal base
LY-918A	Three-hole pattern driller	AC	Auto	No	Plastic base
LY-918B	Three-hole pattern driller	AC	Auto	Yes	Plastic base
LY-918C	Three-hole pattern driller	DC	Auto	No	Plastic base
LY-918AT	Three-hole pattern driller	AC	Auto	No	Plastic base

🔲 LG-998A Drilling Machine

Aluminum pipe, with light or handrails, Speed adjustable drill

Features:

Suitable for boring of PC lens and resin lens. Aluminum riser, with light or handrails, high-power motor

➢ High-quality products, speed adjustment, made of aluminum pipe, with light or handrail, big power motor.

➢ Double-side drilling system, running without cracks.

➢ Drill bit is durable, and will not burst lens up.

➢ Boring position may be adjusted conveniently and accurately.

Prameters:

Specification:	
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	25W
Weight:	3kg
Volume:	23.5(L)x19.5(w)x32(H)cm

🔲LG-988B Drilling & Notch-cutting Machine

Aluminum+plastic pipe, with light or handrails

Features:

➢ This machine is multi-functional special-purpose equipment for perforating and grooving of rimless frame.

➢ It is most applicable to CR lens and PC lens to perforate and groove

➢ Opposing taper drill bits system allow holes to be drilled from avoids chipping and breaking of all lenses, especially those made of glass.

➢ After hole drilled, placed the lens under reamer and lifted upwards to be enlarged to desired size

➢ The adjustable groove-cutting device to get accurate depth of groove cutting

Parameters:

Specification:	
Dimensions(LxWxH):	260X220X350mm
Weight:	3kg
Power Requirement:	110v/220v, 60hz/50hz, AC 250W

LG-998C Drilling Machine

Plastic pipe,with handrails, Suitable for drilling of PC lens and resin lens.

Features:

- LG-998C made of plastic pipe, without light and handrail, ordinary motor.
- Double-side drilling system,running without cracks.
- Drill bit is durable, and will not burst lens up.
- Boring position may be adjusted conveniently and accurately.

Parameters:

Specification:	
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	25W
Weight:	3kg
Volume:	23.5(L)x19.5(w)x32(H)cm

Differences between LY-998 Series One-hole lens drillers				
Model#	Product name	Material of pipe	Speed adjustment drill	Light or handrail
LY-998A	One-hole lens driller	Aluminium	Yes	With light or handrail
LY-998B	One-hole lens driller	Aluminium	No	With light or handrail
LY-998C	One-hole lens driller	Plastic	No	No light or handrail

LG-928/LG-928AT Saw Machine

Applies to fixed edge of non-frame lenses' section groove.

Features:

Detailed Product Description:

➢ 1, There are two pieces of rotated bits including 1.0MM and 0.8MM.

➢ 2, convenient and quick operation, improve the efficiency of the work.

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	100W
Weight:	1.5kg
Volume	23(L)x15(w)x16(H)cm

Differences between LY-928 Series Notch cutting machines		
Model#	Product name	Motor
LY-928AT	Notch cutting machine	Big power
LY-918	Notch cutting machine	Common

🔲 LG-900A Auto polisher

For PC,resin and acrylic lenses superior wool wheel

Features:

➢ Available for automatic polishing glasses lens's rim, with high quality wool polishing wheel.

➢ Exquisite exterior shape, advanced mechanical features.

➢ Two pieces of IC plate fitted, automatic timing(0-5 minutes).

➢ Powerful motor little noise.

Parameters:

Specification:	
Power source:	110V 60HZ, 220V 50HZ
Power consumption:	140W
Timer:	0~5 minutes
Size of buffing wheel:	O.D. 115mm(max), Thickness 10mm
Unit demension:	214*270*240mm
Net weight:	6.7kgs

🔲 LG-900B Auto polisher

For PC,resin and acrylic lenses Common wool wheel

Available for automatic polishing glasses lens's rim, with normal wool polishing wheel.

Features:

➢ Exquisite exterior shape, advanced mechanical features.

➢ Two pieces of IC plate fitted, automatic timing(0-5 minutes).

➢ Powerful motor little noise.

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	140W
Weight:	6.7kg
Volume:	21.5(L)x27(w)x24(H)cm
Timer:	0~5 minutes
Size of buffing wheel:	O.D. 115mm(max), Thickness 10mm

🔲 LG-900A Auto polisher

Features:

It can work with two different speed, suitable for polishing CR lenses and PC lens, and avoid the PC polishing lenses in the process of deformation

Parameters:

Weight:	5kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	80W
Packaging Size:	570x465x430mm

🔲 Photochromic Tester

Model	Picture	Differences
LG-828		220V/50Hz or 110V/60Hz 30W 0.5kg 23(L)x10.5(w)x12(H)cm
LG-848		220V/50Hz or 110V/60Hz 30W 0.5kg 23(L)x10.5(w)x12(H)cm
LG-858		AC110v~240v 50/60Hz 36w 0.5kg 24.5(L)x10(w)x23(H)cm
LG-868		OUTPUT Max power: 30W WAVE Length: 365+400(two wave) 15pcs of LED UV lamps simple and fast effect on photochromic An automatic shutdown of 30 seconds and 60 seconds

Lens Tester Series

UV-888 UV & Photochromic Lens Tester

Features:

➢ Combination tester available for testing UV-888 lens, anti-radiation lens, and photochromic lens .

➢ Innovative products, a multi-purpose machine;

➢ convenient and quick operation.

Parameters:

Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	30W
Dimensions:	24(L)x20(w)x17.5(H)cm
Weight:	1kg

UV-818WL/UV-818 UV Tester

Features:

➢ Available for testing UV-400 lens, anti-radiation lens, true and false currency.

➢ One lights, made of the high-precision electronic components;

➢ Anti-UV rays shading monitor; Anti-UV optical lens detector; Anti-Radiation monitor;

➢ Using the UV testing light on this detector, you will be able to tell if the lens can block out UV rays easily. It is for you to explain to our customers by showing the result.

➢ There are two black buttons on the upper right corner, with a normal lens, you will see Anti-UV display light to turn to red when you place the lens on the Anti-UV testing position.If the light turns to green, which means the lens is the Anti-radiation lens. You will be able to show your customers the test result and might help you to sell your product effectively.

Differences between UV series machines:

Model	UV-888	UV818WL	UV818AT
Product name	UV & Photochromic Lens Tester	UV Anti-radiation Tester	UV Anti-radiation Tester
Testing range	Testing UV-400 lenses, anti-radiation lenses and photochromic lenses.	UV-400 lens, anti-radiation lens, true and false currency.	UV-400 lens, anti-radiation lens, true and false currency.
Quantity of LED light	1	1	3
Buttons	UV+OFF button, photochromic button	Power button,light button	Power button,light button
Power	With power cable	No need power cable,rechargeable,with charger,standby for 72 hours, 5 mins auto shut off.	With power cable

CP-18C UV & Photochromic Lens Tester

Features:

➢ It is the most convenient and practical UV-400 measuring instrument.

➢ It is clean at one glance to anti-UV transmittivity.

➢ UV data by light showing and LCD screen

➢ Adjusting knob: Makes the measured value more accurate

➢ Dual-purpose: UV-400 measuring and anti-radiation testing

➢ Instruction for use:

➢ One: UV-400 ultraviolent-resistance test

First, put the standard lens on the outlet of UV light, adjust the knob to make the value on the LCD screen same with the value of the standard lens. For the accuracy, you have to calibrate the value with the standard lens.

Put the target lens on the outlet of UV light, and then the data displayed on the LCD screen is just the value of ultraviolent. The closer to 400 nm, the better the lens is.

➢ Two: anti-radiation test

Makes the protruding part of lens in touch with the black anti-radiation testing point; If the lens is radiation-resistant, bird calls are given out, or is not radiation-resistant.

Parameters:

Packing size:	12*28*17cm
Weight:	1kg
Voltage:	AC 220V/50Hz, AC 110V/60Hz
Power:	20W
Dimension:	273*162*112mm

LT828 Blue Ray Tester

For checking if the lenses are anti-blue lenses

PR-888 Multifunctional Lens Tester

Features:

➤ Stress Testing Point:To test the situation about the stress of the lens.

➤ Multi-focal Testing Point :To check the multi-focal lens.

➤ Surface Testing Point:To test the surface of the lens whether there are any scratches.

镜片划伤检查
Lens scratches check

多焦点镜片测试
Multi-focal lens testing

应力测试
Stress testing

LG-8C Contact Lens Analyzer

➤ Contact Lens Tester and Orthokeratology Lens Checker

➤ Adopting Zeiss Magnifying Lens

➤ Connectable to HDMI screens

➤ Connectable to computers

➤ Especially good for checking contact lens and Orthokeratology Lens

➤ Also good for checking jewellery and watches

➤ Magnification Range from 10x-500x

➤ Image sensor: 5M HD

➤ Definition: 12M, 8M, 5M, 3M, 1.3M

➤ Battery capacity: 800mha 3.7V

➤ Volt Input: 100-240V 50/60hz

LG-15B Strain Gauge

Features:

➢ Strain gauge is made of analyzer, polarizer and light source.

➢ This instrument can test light and dark stripes of lenses,know skewness inside,test situation changing of installation stress when producing lenses,glasses and sunglasses.Test distribution of trust face in procedure of PC lens injection.Distinguish true and false of crystal lenses.

➢ It's a essential instrument in glasses production and glasses shops.

Instruction for use:

1) Plug in the strain gauge,switch on.

2) Put glasses between the analyzer and the polarizer.

3) Down to observe stress situation of lens circum from top of analyzer.

4) Judge whether the stress is uniform according to the stress situation,then confirm which part needs to be revised.

5) Put revised glasses to strain gauge,check again to make sure it's no problem.

CP-29B MULTI-FOCAL Lens Analyzer

Weight:	0.5kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	15W
Dimention:	17*12*20cm

Glass Tools

Radian Apparatus

Thickness Apparatus

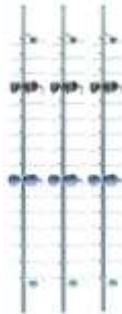### Pen Inspection Torch - A/B

A

B

Job Tray

Glasses frame display - A/B
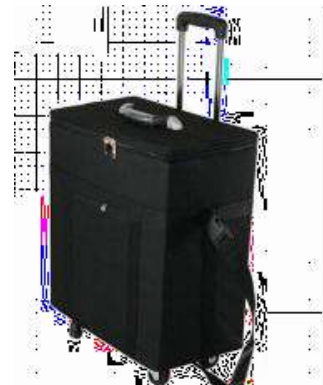

A

B

Glasses frame display - A/B

A

B

B07-A Glasses tool set

13pcs pliers, 6pcs screwdrivers

Specification:

Material:	Plastic stand,stainless steel pliers
Size:	245*240*220mm(size of stand)
Weight:	2500g(weight of the whole set),850g(weight of stand)
Quantity of tools:	13pcs of pliers,6pcs of screwdrivers
Type of pliers:	LY-AB15,LY-AB18,LY-AB21,LY-AB23,LY-AB28,LY-AB40,LY-AB47,LY-AB50,LY-AB55,LY-AB59,LY-AB901,LY-AB923,LY-AB924
Type of screwdrivers:	Slot type -1.6,slot type -1.8,corss +1.5,cross +1.8,six points sockets, 2.32,twelve point sockets 2.82

B08-AC Glasses tool set

8pcs of pliers, 6pcs of screwdrivers

Specification:

Specification:	
Material:	Plastic stand,stainless steel pliers
Size:	286*132*183mm(size of stand)
Weight:	1582g(weight of the whole set),353g(weight of stand)
Quantity of tools:	8pcs of pliers,6pcs of screwdrivers
Type of pliers:	LY-AC14,LY-AC18,LY-AC21,LY-AC29,LY-AC40,LY-AC47,LY-AC59,LY-AC901
Type of screwdrivers:	Slot type -1.6,slot type -1.8,corss +1.5,cross +1.8,six points sockets 2.32,twelve point sockets 2.82

A19B Tool set

9pcs of screwdrivers

Parameters:

Specification:	
Material:	HSS
Size:	100*100*142mm
Weight:	680g
Quantity of screwdrivers:	9pcs
Type of screwdrivers:	Slot type -1.6,slot type -1.8,corss +1.5,cross +1.8,six points sockets 2.02,six points sockets 2.32,six points sockets 2.57,twelve point sockets 2.52,twelve point sockets 2.82
Origin	China

A19E Glasses tool set

Parameters:

Specification:	
Material:	HSS
Size:	112*20mm
Weight:	143.5g
Quantity of screwdrivers:	7pcs
Type of screwdrivers:	Slot type -1.6,slot type -1.8,cross +1.8,six points sockets 2.32,six points sockets 2.57,twelve point sockets 2.52,twelve point sockets 2.82
Origin	China

TS-002/TS-009 Glasses tool set

⊕ 1.5 1.7 2.0 2.5
⊖ 1.5 2.0
○ M2.0 M2.3 M2.5
⊙ M2.0 M2.5

R-AB932
R-AB931
R-AB924
⊕ 1.0 1.5
⊖ 1.0 1.5
○ M2.0 M2.5
⊙ M2.0 M2.5

005A Tool set

Size: 50*190*250MM

A21B Tools Set

Size: 210*170*50MM

A21G Tools Set

size：Φ92*12

A21H Tools Set

size：Φ112*20

Glass Tools

016A Wire Box Set

size：Φ70x128mm

Adjusting Pliers

AB900	AB901	AB14	AB30	AB36	AB37
AB15	AB18	AB21	AB38	AB39	AB40
AB23	AB28	AB29	AB47	AB49	AB50

3T-AB900	152x50mm	3T-AB30	152x50mm
3T-AB901	155x50mm	3T-AB36	152x50mm
3T-AB14	158x50mm	3T-AB37	148x50mm
3T-AB15	158x50mm	3T-AB38	150x50mm
3T-AB18	158x50mm	3T-AB39	152x50mm
3T-AB21	155x50mm	3T-AB40	162x50mm
3T-AB23	154x50mm	3T-AB47	137x50mm
3T-AB28	152x50mm	3T-AB49	143x50mm
3T-AB29	154x50mm	3T-AB50	138x50mm

Glass Tools

Adjusting Pliers

	ABS9	AB930	AB931	AC28	AC29	AC36

	AC900	AC901	AC14	AC37	AC38	AC39

	AC15	AC18	AC21	AC40	AC47	AC49

3T-AB59	157x50mm	3T-AC28	156x50mm
3T-AB930	154x50mm	3T-AC29	158x50mm
3T-AB931	125x60mm	3T-AC36	152x50mm
3T-AC900	156x50mm	3T-AC37	152x50mm
3T-AC901	159x50mm	3T-AC38	154x50mm
3T-AC14	162x50mm	3T-AC39	156x50mm
3T-AC15	162x50mm	3T-AC40	166x50mm
3T-AC18	162x50mm	3T-AC47	141x50mm
3T-AC21	159x50mm	3T-AC49	143x50mm

	AC55	AC59	AC929

	AC930	AC931

3T-AC55	159x50mm
3T-AC59	161x50mm
3T-AC929	158x50mm
3T-AC930	158x50mm
3T-AC931	146x50mm

Glass Tools

TR-90 Frame (More details, please contact our sales)

Acetate Frame

Lens

Matoptique.com