BAWERS
MEDICAL EQUIPMENT

Product Catalogue

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BWSJR-9900 Auto Refractometer

Measuring Range	Sphere -20.00D~+20.00D , 0.125D steps;
	Cylinder -8D~+8D , +0.125D steps
	Axis 0~180°,1° steps
Pupil Distance	45~85mm
Vertex Distance	0mm,12mm,13.75mm
Min.Pupil Size	Ø2.0mm
Chart	Auto fog
Display	5'' CRT white/black
Print	Thermal Printer
Power Supply	160V~240V, 125W
Chin rest up-down	0~30mm
Machine head up-down	0~25mm
Machine back-front	0~25mm
Temperature	5℃~35℃
Humidity	20~80%RH
Accessory	Wire line, User Manual , Thermal printer, Dust Cover



BWSJR-9900A Auto Refractometer

- 7'' TFT LCD monitor:

Spherical	Sphere 0~+10D , +0.125D steps
Cylinder	0~+8D , +0.25D steps
Axis	1.0 ~ 180 ° (1 ° unit)
Pupil distance	10-86MM (Mini pupil size: 2.0mm
VD	0mm,12mm
Min. pupil size	2.3mm
Chart	Auto fog
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	0.00-8.00D (Increment selectable from 0.12,0.25D)
Axis	1-180D (increment :1°)
Corneal diameter	2.0 -14mm (increment:0.1mm)
Stored data	10 measurements each
Display	7" LCD white/black
Print	Thermal Printer
Power supply	AC 100 ~ 250V, 50 / 60Hz, wide power supply
Dimension/Weight	680x400x640mm/23kg (44lb)



BWRM-160/RK-160 Auto Ref/Keratometer

- Hartmann Type Refractor
- High Definition, Clear Retina Image with new optics



Corneal apex distance	0.0, 12.0, 13.75, 15.0
Spherical mirror degree	-20.00D ~ + 20.00D (VD = 12mm, 0.01, 0.06, 0.12, 0.25 units)
Cylinder Range	0.00D~+/-10.00D(0.06, 0.12, 0.25 increments)
Axis position	1.0 ~ 180 ° (1 ° unit)
PD	10-86MM (Mini pupil size: 2.0mm
Refractive Power	33.00D ~ 67.0D (when the corneal equivalent diopter is 1.3375)
Cornea curvature radius	5.0 ~ 10.0mm (0.01mm accuracy)
Measure light energy	<30uw (ensure measurement safety)
Stored data	10 measurements each
Display	8-inch TFT touch screen (adjustable viewing angle)
Print	57mm thermal printer, automatic paper cutting
Power supply	AC 100 ~ 250V, 50 / 60Hz, wide power supply
Dimension	680mm x (width) 400mm x (height) 640mm
Gross weight	~26KG

BWFA-6000A Auto Refractometer



REF mode	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
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

BWRM-8000/RK-8000 Auto Ref/Keratometer



Features:

- Adjustable touch screen LCD
- Automatic Paper Cutting Printer
- Electric forehead
- Power Line lnlet and RS232 interface
- Electric forehead, Running smoothly, Flexible operation, Experience is good
- Electric lift Sensitive operation Running smoothly
- Automatic cutting Built-in thermal printer to replace paper easy to print automatically cut paper

Parameters:

Corneal Vertical Distance(VD):	0.00mm、12mm、13.75mm、15mm
SPH:	-20.00 m-1~+20.00 m-1(VD=12mm，0.01 m-1、0.06 m-1、0.12 m-1、0.25 m-1 unit), deep myopia measurement available
CYL:	0.00 m-1 ~ ±6.00 m-1(0.25 m-1 unit)
Cylinder Form:	-、 +、土
Axis(AX):	1° ~ 180(1°unit)
Pupil Distance(PD):	10mm ~85mm(0.1mm unit)
Radius of Corneal Curvature:	5.0~ 10.0mm (0.01mm unit)
Corneal Power:	33.00 m-1~67.00 m-1 (in case that the corneal equivalent refractive power is 1.3375)
Corneal Astigmatism:	0.00 m-1~15.00 m-1 (0.06 m-1/0.12 m-1/0.25 m-1 unit)9”TFT touch screen (angle adjustable)
Printer:	57mm thermal printer
Measuring Light Energy:	<30uW (prevent injury to eyes during measuring) Measuring Time: <0.5s
Minimum 2.0mm pupil can be measured.The application of cloud and mist chart technology allows the patients' eyes to look at the internal targets in a natural and comfortable situation and make the measurement more accurate	
Auto tracking, auto focusing and auto measuring of end of measurement (partial model)	
Electrical Power:	AC100~ 240V,50/6OHz
Consumption:	60AV
N.W.:	24kgs
G.w.:	29kgs
Dimensions:	L510mm x W328mm ×H450mm

BWFA-6100/BWFA-6100K BWFA-6100A/BWFA-6100AK 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



FA-6100(K)



FA-6100A(K)

Parameters:

Refractometer	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 (FA-6100K/ FA-6100AK Only)	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/Weight	469mmX308mmX522mm / ~15.5kg

BWFA-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 (FA-6500K Only)	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

BWFA-6800/BWFA-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 (FA-6800K Only)	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

BWFA-8000/BWFA-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:

Refractometer	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
Keratometry (FA-8000K Only)	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	0.00-8.00D (Increment selectable from 0.12,0.25m1)
	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

BWFR-8900/BWFKR-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

BWAR-810A/BWARK-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, 15mins (selectable)
	Power supply	AC110~220 V,50/60HZ
	Dimensions/weight	288(W)*500(D)*480(H)mm/14kg

BWARK-8500 Auto Ref/Keratometer



Features:

- Hartman Type Refractor
- High Definition Clear Retina Image with New Optics
- Adapted High Speed Image Acquisition and Image identification
- Flip Monitor
- Auto Horizontal, Vertical and Back Force Motorized Focus
- High Speed and Auto Cut Printer

Parameters:

VD Range:	0.0, 12.0, 13.75, 15.0
Spherical Range:	-20.00D ~ + 20.00D (VD = 12mm, 0.01, 0.06, 0.12, 0.25 Increments)
Cylinder Range:	0.0D ~ + 10.00D (0.06, 0.12, 0.25 Increments)
Axis:	1°~ 180° (1° Increments)
Cylinder Symbol:	-, +,±
PD:	10 ~ 86mm
Mini Pupil Size:	2.0mm
Average Measurement Time:	<0.5 seconds.
Pupil Distance:	2.00 - 8.00mm
Max Brightness:	<30uw (safety Assure)
Curvature Radius:	5.0 ~ 10.0mm (0.01 mm Increments)
Refractive Power:	33.00D ~ 67.0D (when the corneal equivalent diopter is 1.3375)
Corneal Power:	0.00D ~ -15.00D (0.06D / 0.12D / 0 25D Increments)
Date Save:	10 Group Left/Right Eye
Axis:	1°~ 180。
Target:	Auto Fog
Monitor:	8- _inch TFT Touch Screen (Flip)
Printer:	57mm Width, Auto Cut
Power :	AC 100 ~ 250V, 50 / 60Hz, Wide Voltage
Net Weight:	22Kgs
Gross Weight:	26.5Kgs
Packing:	(L) 680mm x (W) 400mm x (H) 640mm

BWRM-9000/BWKR-9000 Auto Ref/Keratometer

Features:

- Innovative designs, accord with the structure of human body engineering, to bring customers good aesthetic feel ing 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)

BWRM-9200/BWKR-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	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

BWRM-9600/BWKR-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 only)	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

BWAR-1/BWARK-1 Auto Ref/Keratometer



Parameters:

Product name	ARK-1 auto Refractometer
Measuring range of vertex power	-25D ~ +25D
Measuring range of cylinder degree (absolute value)	-10D ~ +10D
Cylinder degree	0.00D ~ ±10.00D (0.06, 0.12, 0.25 units)
Measuring range of cylinder axis	0° ~ 180°
Corneal diameter	1.0 ~ 12.00 mm
Interpupillary distance	10 ~ 85 mm
Minimum pupil diameter	1.0 mm
Measurement completion time	<0.5 seconds
Measuring light energy	<30 uw (to ensure measurement safety)
Corneal curvature radius	5.0 ~ 10.0 mm (0.01 mm accuracy)
Corneal refractive power	33.00D ~ 67.00D (when the angular equivalent refractive power is 1.3375),
Corneal astigmatism	0.00D ~ ±10.00D (0.12D/0.25D unit)
Stored data	10 measurements for each left and right
Axis position	1° ~ 180° 10.0
Data transmission	RS32\Bluetooth, WIFI, etc. transmission
Visual target	oriented cloud map
Display	10.4-inch TFT touch screen (adjustable viewing angle)
Printer	57 mm thermal printer, automatic paper cutting
Power supply	AC 100-250 V, 50/60 Hz, wide power supply
Net weight	22 kg
Gross weight	26.5 kg
Packing size	(length) 720 mm x (width) 400 mm x (height) 600 mm

BWFR-710/BWFKR-710 Auto Ref/Keratometer

Features:

- R/L fully automated measurement
- Easy-to-use color touchscreen control panel
- Flexible and space saving layout
- The adjustable control panel can be positioned in any direction
- Reliable measurement
- Print and auto cut data paper



Parameters:

Technical Specification		
Configuration		Specification
Measurement Mode (only FKR-710)	K&R mode	Diopter and corneal curcature measurement
	REF mode	Diopter measurement
	KRT mode	Corneal curvature measurement
	Mode of CLBC	contact lens curvature
Diopter measurement	Vertex Distance	0, 12, 13.75, 15mm
	Spherical refractive power	-25.00~+22.00D
	Cylindrical refractive power	0.00~8.00D
	Direction of astigmatic-xis	1~180 °
	PD measurement	45mm~85mm
	Minimum pupil diameter	2.0
Corneal	Corneal	5.5mm ~10mm
	Direction of corneal astigmatic axis	1~180 °
	Corneal diameter	2.0 ~ 12.0mm
Product specifications	Printer	Imported Thermal printer
	Saving Settings	1/5/10/20/40 Minutes automatic screensaver
	Monitors	9 inch of TFT monitors
	Power	AC 110 ~ 230V,50/60HZ/ 75VA
	Size / Weight	300(W) × 450(D) × 500-530(H) mm/21KG

BWRMK-700 Auto Ref/Keratometer

- **Digital refractometer**:Refractometer is Combination of modern optics, computer technology, for objective detec tion 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 :	6.4 inch of TFT monitors
Power supply:	AC220V, 50Hz
Power:	75VA
size:	506mm x 269mm x 477mm
Weight:	About 21Kg

BWRMK-800 Auto Ref/Keratometer

Features:

- Hartmann wavefront sensing tech
- Eye wave aberration display
- Auto-testing in 3D
- Touch screen for movement
- High accuracy of keratometry testing tech
- Measuring left/right eyes automatically
- Wide-bound auto tracking function
- Touch screen can be rotated to any direction Operation is more fast and convenient



Parameters:

Vertex Distance	0.0,12.0,13.75,15.0 mm
Sphere	-25.00~+22.00D (VD=12MM, 0.12/0.25D step)
Cylinder	0.00~10.00D (0.12/0.25D step)
Axis	1°~180°(1° step)
Cylinder symbol:	-, +， MIX
Min. pupil diameter measurable	2.0mm
Radius of curvature	5~10mm(0.02mm step)
Monitor	10.1 inch Color TFT LCD
Printer	Thermal printer
Power:	100W
Power supply	AC 110~220V, 50/60HZ, 50W
Production size:	495 (W) * 285(D)*512 (H)mm/ 23kg

BWARK-7610 Auto Ref/Keratometer

Features:

- New optical system. unique imaging impression
- Hartman imaging analyzing and processing technology accurate measurement result
- TET touch screen, can move front and back freely
- Motorized chinrest
- Manual focusing, auto measuring



Parameters:

Vertex Distance	0, 12, 13.75, 15mm
Spherical refractive power	-30.000~+25.000 (VD= 12mm, 0.01 , 0.06, 0.12, 0.25 Unit)
Cylindrical refractive power	0.000~ ± 10.000 (0 06, 0.12, 0.25 Unit)
Direction of astigmatic-xis	1~180 °
Cylinder Form	-, +, ±
PD measurement	10~86mm
Minimum pupil diameter	2.0mm
Measuring Light	Ene (gy: <30L) w (Insure measuring safety)
Radius of Curvature	5.0~10.0mm (0 01 mm Unit)
Corneal Power:	33.000~67.000
Corneal Astigmatism	0.000~ 15.000 (0.060/0 120/0 250 Unit)
Data Storing	Each 10 measured values of left eyes and right eyes
Chart	Auto fog
Monitor	SHARP 7" TFT LCO touch screen (Angle of view adjustable)
Built-in Printer	57mm thermal printer, auto paper-cutting
Power	AC 100~250V, 50/6oHz
Size / Weight	(L)680mm X (W)400mm×(H)640mm

BWHRK-7000A Auto Ref/Keratometer

Features:

- 6'' 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
- 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	-30.00~+25.00D(VD=12) (When VD=12mm) (Increments:0.01/0.12/0.25D)
	Cylinder	-0.00~+12D (Increments:0.01/0.12/0.25D)
	Axis	0°~180° (1°step)
	PD	10-85mm,1mm step
	VD	0mm,12mm,13.5, 15.0mm
	Min Pupil Size	2.0mm
Keratometry	Radius of curvature	5.0~10.2mm (increment: 0.01mm)
	Corneal power	25.96~67.50D(when comer equivalent refractive index is 1.3375), (Increments:0.01/0.12/0.25D)
	Corneal astigmatism	0.0~-15.00D (Increments:0.05/0.12/0.25D)
	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	6’ TFT LCD
	Print	Thermal line print
	Power supply	220V±10% , 50Hz 60VA
	Dimension	265mm*500mm*430mm
	Weight	~18.5KG

BWFA-100K Auto Ref/Keratometer

Features:

- 3D tracking and auto focus Just rotate to any position, it will automatically focus the
- eye and get the value.
- Refractive measurement with hexagon prism. With high quality of hexagon prism and highly sensitive CCD, it provides unmatched accuracy and reliability.
- 10.4" tilt and swivel monitor. Since the screen can be continuously tilted and swiveled, it can be placed anywhere in an examination area. Flexible layout and space saving design contribute to improved productivity and efficiency.
- Built-in thermal printer Automatic printing and paper cutting



Parameters:

Refractometer	
Vertex distance	0mm, 12mm, 13.75mm, 15mm
Spherical	-25~ +20m'VD=12) 0.12/0.25m" Step
Cylinder	-8~+8m’0.12/0.25m" Step
Axis	0-180° 19Step
Cylinder form	-.+，±
Pupil distance	5~90mm, 1mm Step
Min. pupi size	2.0mm
Keratometry	
Radius of curvature	5.0~ 10mmincrement: 0.01mm)
Corneal power	33.75~ 67.50m '(when corner equivalent refractive index is 1.337) (increment selectable from 0.12, 0.25m)
Corneal astigmatism	0.0-8.00m (increment selectable from 0.12,0.25m)
Axis	1~180*(increment1")
Comeal diameter	2.0-15.0mm(increment:1mm)
Others	
Chart	Follow-up colorful fogging chart system
Memory of data	10 measure value for each right and left eye
Display	10.4"LCD/TFT
Print	57mm thermal printer
Power supply	100-240V 50Hz 60VA
Serial Interface	USB,RS-232Cbluetooth,WIF,4G
Dimension	445mm(W)x287mm(D)x490mm(H)
Weight	~20kg

BWMRT-180 Handheld auto refractometer

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)



BWMRT-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

BWC10 Vision Screener

Spherical power	-8.00D to +8.00D (±0.25D)
Cylindrical power	-3.5D to +3.50D (±0.25D)
Axis	0-180°
Measuring distance	100cm (±5cm)
Measurement time	<15 seconds
Data transmission	WiFi 6, 802.11ax
Display	7-inch, 1080P, LCD touch screen
Charging port	USB 3.0
Power adapter (input)	100-240V, 50/60Hz, 35VA
Charger (output)	5V, 2A
Battery life	5 hours



BWSW-800 Vision Screener

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



EasyRef Handheld auto refractometer

Features:

- Shack-Hartmann based auto refraction for objective and accurate refractive assessment.
- Refracts babies, children, and adults, even wearing glasses or contact lenses.
- No dark room required, the easyRef works in normal light conditions.
- For Mass Screening Events

With the easyRef auto refractor, you can screen 100 patients within 20 minutes, and read the results directly on the display. Its portable and light design makes it highly comfortable for massive vision screening.

- For Primary Care

The easyRef is a cost-effective. essential vision screening tool for general practitioners (GPs) and ophthalmologists. The portability of the device allows you to bring it for private home visits or nursing homes.

- For Clinics and Optical Shop

With the portable easyRef now you can reach more patients outside of your office, or use it in some promotion events such as an optical fair or free vision screening marketing campaign.

The easyRef detects the following vision disorders:

●Myopia (nearsightedness) ●Hyperopia (farsightedness)

●Astigmatism (blurred vision) ●Anisometropia (unequal refractive power)



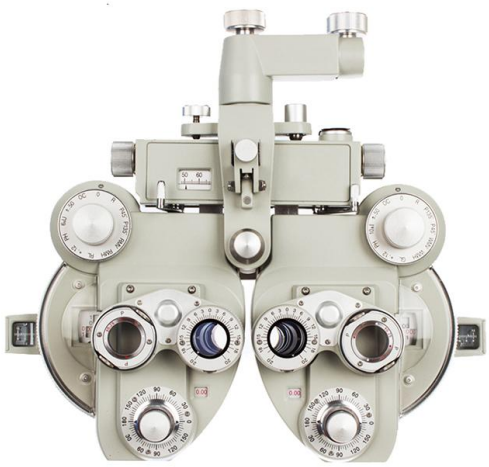
Parameters:

Sphere range	-10.0D ~ +10.0D, step 0.25D
Cylinder range	-5.0D ~ +5.0D, step 0.25D
Axis of astigmatism range	1° ~ 180°, 1°
Data acquisition time	<1s / eye
Iris imaging	Yes
Connections	USB, Wifi, Bluetooth; easy data transfer to pc or printer
Dimensions	203mm x 110mm x 50mm
Print to	Bluetooth printer (optional)

MP-5 Manual phoropter

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



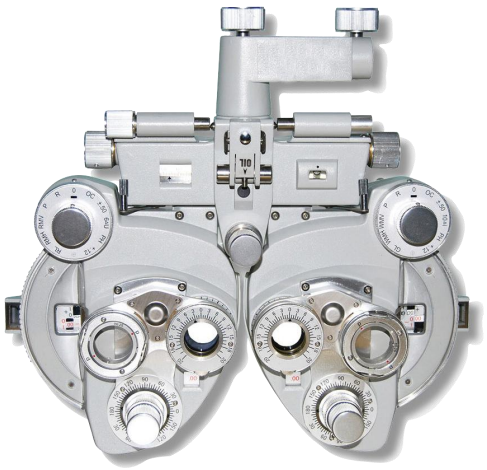
Parameters:

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

MP-8 Manual phoropter

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	Range:-19.00~+16.75D Step: 0.25D, 3.00D
Cylinder	Range: 0.00~-6.00D(Measuring Range With Accessories0.00~-8.00m-1) Step:0.25D
Cylinder Axial	Range: 0~180°, Step:5°
Cross Cylinder	±.25D
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 is64mm)
Front Chin Rest	Range:0~16mm
Distance (from cornea vertex to the lens surface)	16mm
Standard Accessories Lens	two pieces of Auxiliary Cylinder -2.00D and -0.12D 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	About 5kg

MP-9 Manual phoropter

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

MP-10 Manual phoropter

Features:

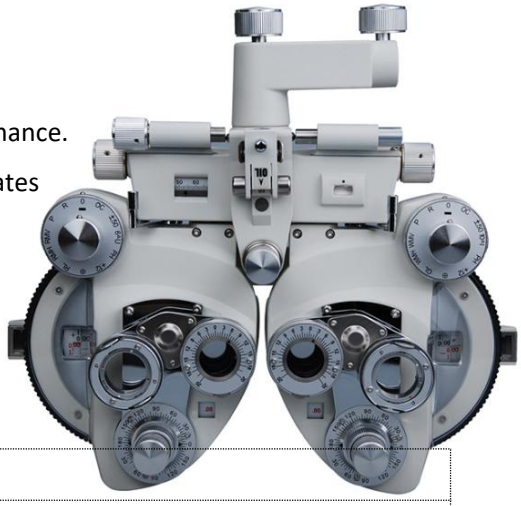
- applicable to ophthalmology department of hospitals and spectacle stores for precision measurement of visual functions such as myopia, hyperopia, astigmatism, eyesight balance, heterophoria, stereoscopic vision and eyesight amalgamation.
- Capable of checking up all-sided visual functions, accurate 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: +16.75D~ -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 rest adjustment:	16mm
Vertex distance:	13.75mm (From corneal point to standard lens surface)
Dimension:	335(L)×320(W)×98(H)mm
Weight:	Approx.5kg

MP-40 Manual phoropter



Features:

- Adopting ergonomic operation with large scale and improving performance.
- Automatically interlock between cross -cylinder lens and lens coordinates

Parameters:

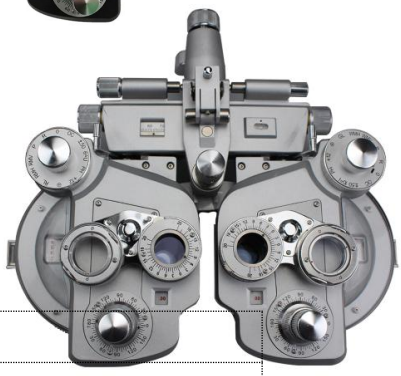
Sphere range:	-19.00D~+16.75 (Step: 0.25D)
Cylinder range:	0.00D ~ -6.00D (Step: 0.25D)(0.00D to 8.00D with additional lens of-2.00D)
Cylinder axis:	0 to 180°, 5°steps
Cross Cylinder:	±25 diopters
Cross-cylinder lens:	±0.25D
Rotary prisms:	0 to 20,1 steps
P.D.adjustment:	48-75mm,1mm steps
Dimensions:	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
Inter pupillary adjustment:	48mm to 80mm in 1mm (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)
	Inter pupillary distance enabling convergence
	57mm to 80mm Corneal distance

MP-50 Manual phoropter

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 rotatory prism.



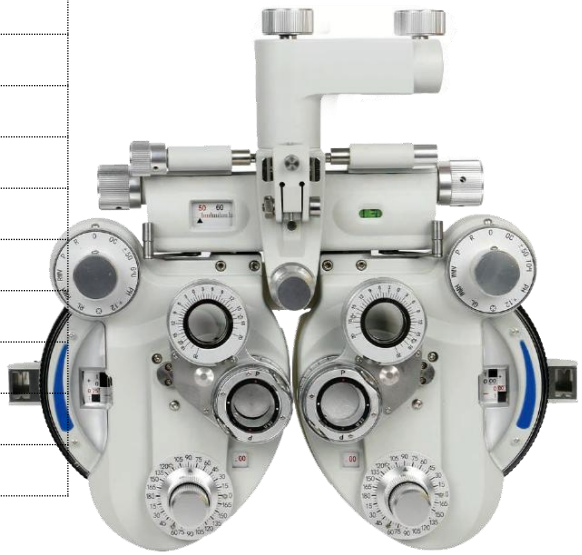


Parameters:

Specification:	
Sphere range:	-19.00D~+16.75D (Step: 0.25D, 3.00D);
Cylinder range:	0.00D ~ -6.00D (measuring range with accessories 0.00 ~ -8.00D);
Step:	0.25D;
Cylinder axial:	range: 0~ 180° step:5°;
Cross cylinder:	± 0.25D;
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 -2.00D and 0.12D 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 x 99 x 292mm;
Net Weight:	about 5kg.

MP-100 Manual phoropter

Spherical degree	-19.0oD+16.75D, step: 0.25D
Cylinder degree	0～-6.00D, step: 0.25D
Axial	0~180°step: 5°(Accuracy:1°)
Prism degreen	0～20A，step: 1A
Prism base	0～360°，step: 5°(Accuracy:1°)
JCC	0.25D
PD adjust	50-75mm,step: 1mm
Hubei joe's adjustment	16mm
Mirror angular distance	13.75mm
Weight	4.75kg/6.8kg



VT-6E Manual phoropter

SPH:	0.00D~ -19.00D(-0.25D),+0.25D~ +16.75D(+0.25D)
CYL:	0.00D~ -8.00D(-0.25D)
AXIS:	0~180(5°increment)
P.D:	50mm~ 78mm
Auxiliary lenses:	
Occluder:	Occluder
Pinhole plate:	Pinhole plate(1mm)
P.D Check:	P.D Check
Red/green filter:	red:right green:left
Polarizing:	right eye 135°, left eye 45°
Lenses for retinoscope:	+1.50D
Cross cylinder lens:	±0.50D
Balance check:	right eye: 6△B/U, left eye:10△B/I
Moddx rod:	right eye horizontal/vertical
Moddx rod:	left eye white horizontal/vertical
Cross cylinder lens:	±0.50D
Prism:	Rotary prism0△~ 20△
Dimension:	527(mm)X412(mm)X180(mm)/6.6kg



VT-100 Auto phoropter

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





Optional

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

VT-700 Auto phoropter

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





Optional

Parameters:

Measurement	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°
Size & weight	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

VT-800 Auto phoropter

Features:

- 180 degrees reversible screen make it more convenient to communicate with customer
- Single eye pd free style setting make progressive lens tester easily
- One key help function make it easily for operation
- 9.7 inch LCD screen
- More connection style(Bluetooth, WIFI)



Parameters:

Measurement	Sphere:	-29.00~+26.75 D(step:0.12D/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 : 48~80mm Near : 45~75mm (step:0.5/1.0mm)
	Working distance:	35~70cm (step: 5 cm)
	Prism:	0~20Δ(step 0.1Δ/0.2Δ/0.5Δ/1Δ/2Δ)
	Jackson cross cylinder:	Jackson cross cylinder ±0.25D Jackson cross cylinder ±0.5D Dual cross cylinder (separation prism)
	Ophthalmoscope:	+1.5D, +2.0D(measuring distance 67cm, 50cm)
Size & weight	Body of main engine:	362(W)×83(D)×299(H)mm , 3.5kg
	Keyboard:	215(W)×230(D)×226(H)mm , 1.5kg
	Junction box:	266(W)×72(D)×240(H)mm, 1.3kg
	Voltage:	AC 100~240V, 50/60Hz
	Power:	90VA
Auxiliary lens	Pinhole lens:	Φ1mm
	Maddox;	Right eye (horizon),left eye (vertical)
	Red and green lens:	Right eye(red) , left eye (green)
	Polaroid:	Right eye(135°, 45°), left eye (45°, 135°)
	Separation prism:	Right eye(6ΔBU), Left eye(10ΔBI)
	Solid suprachiasmatic cylinder	Jackson cross cylinder ±0.50D , Axis fixation90°

AV-3 Auto phoropter

Features:

- Convenient automation system.
- Through liquid crystal keyboard connecting with lamp house, chart projector, refractometer, etc, which realizes the date transmission of automation and management of client information.



Parameters:

Measuring range:	SPH: 0D~-19D(-0.25D) +0.25D~16.5D(+0.25D)
	CYL: 0D~-8.75D(-0.25D)
	Axis: 0~180(10/50)
	P.D: 48~80MM(in 1mm steps)
Auxiliary lenses:	Occluder
	P.D check
	Pinhole plate(1mm)
	Polarizing: right eye 1350,left eye 450
	Red/Green Filters:(right eye:red,left eye:green)
	Maddox Rod: Right eye red horizontal/vertical, Left eye white vertical/horizontal
	Dissolution prism: Right eye: 6△B/U, Left eye: 10△B/I
	Fixed cross cylinder: ±0.5D
	Retinoscope: +1.5D
Auto Cross Cylinder lens:	±0.25D
Rotary Prism:	0△~20△(in 0.5△steps)
Quick power selection:	SPH/CYL/AXIS
Double eyes balance test.	
Can select chart projector, LCD screen(with or without polarize), Can see polarizing(3D)	
Control system:	Touch panel control
Monitor:	LCD(10.2")
Power source:	DC12V

CV-7600 Auto phoropter

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

DVT-1000 Auto phoropter

Features:

- Compatibility with polarized LCD chart provides even economical efficiency (Both hear and circular polarization)
- Slimmer design even prevents minimum mechanical interference during exam and enables easy monitoring over patients.
- Professional Optometry Process, guide Graphical representation displayed on screen guides test process easier, faster and professional in real time
- Tablet PC Control: Exam can be carried out with tablet panel, for examiners-preferences easily (Tablet PC OS : Android 5.0 / Resolution 2560x1 600).
- Bluetooth printer on operation panel supports easy use of printer and even replacing paper at one go.



Parameters:

Measuring Range	
Spherical Lens	2900 - +2675D (Regular) (Step: 0.1 2D l 0.25D l 0.5D I 1D l 2D I 3D)
Cylinder Lens	0.00 ~ 8.75D (Step: 0.25D/ 0.5D / 1D/ 2D/ 3D)
Cylinder Axis	0~180' (Step: 1 1 5 1 15 1 30 1 45')
Pupil Distance	Far : 50 - 80 Near : 48 - 75 mm (Step: 0.5/1 .0 mm)
Working Distance	35 - 70 cm (Step: 5 cm)
Rotary Prism	O ~ 20 A (Step: O.1A / 0.2A / 05A / 1A l 2A)
Cross Cylinder	Jackson Cross Cylinder 0.25D , Jackson Cross Cylinder 0.50D, Dual Cross Cylinder
Retinoscopy Lens	+1 5D. +2.OD (Test Distance 67cm, 50cm)
Specifications	
Body	362(width)X 76(depth) X 299(height)mm. 32kg
DELL panel computer	105inch. Android 5.0, Black
Power Supply	AC 100 - 240V, 50 1 60Hz . 90VA
Auxiliar Lens / Pin Hole Lens	1 mm
Maddox Rod	Right eye (horizontal red). Left eye (vertical red)
Red/Green Filter	Right eye (red). Left eye (green)
Polarized Light Filter	Right eye [135', 45'), Left eye (45', 1 35')
Separating Prism	Right eye (6ABU), Left eye {10ABI)
Fixed Cross Cylinder Lens Jackson Cross Cylinder 0.50D, Axis fixation 90'	
Vision Degrees	32'

Phoropter Arm/Stand

PA-1 phoropter Arm



PA-2 phoropter Stand



JG-1 phoropter Arm



JG-2 phoropter Stand



JG-3 phoropter Stand



RS-1/RS-2 Retinoscopy Rack



RS-1



RS-2

Optical Flipper

FL-1: without lenses
FL-2/FL-3: with lenses, without box
FL-4: with test card and cartons
FL-5: with lenses, with box

Artificial eye



Eye ball model



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



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	

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

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

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

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 compensation)
	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 compensation) 5 kg
Lamp of illumination:	220V / 110V 15W



CCQ-500 Manual Lensmeter

Features:	±25D measurement
	Wide field of vision observation
Main technical indexes:	
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 compensation)
	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 compensation) 5 kg
Lamp of illumination:	220V/110V 15W



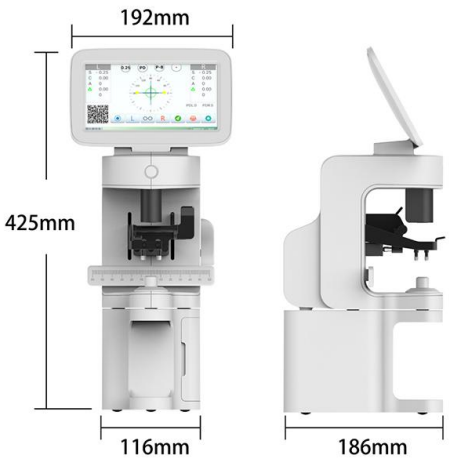
LM-001 Auto Lensmeter

Sphere	Range: 0~+25D,Step: 0.01D/0.06D/0.12D/ 0.25D
Cylinder	Mode: +.+/-, Range: -10D~0~+10D,Step:0.01D/0.06D/0.12D/0.25D
Axis	Range: 0° ~180° Step: 1°
Addition	Range: 0~10D,Step: 0.01D/0.06D/0.12D/0.25D
Prism	Mode:P-B, Range: 0~5△, Step: 0.01△
Pupil Distance	45-80mm
Contact Lens	0~-/+25D; BC: 6.00~9.00m
Lens Diameter	20mm-80mm
AC Power Supply	AC 100V~240V; 50/60Hz
DC Power	DC 5V/2A
Display	5inch HD LCD
Weight	2.6Kg(With Basel; 1.8Kg (No Base)
Dimension	100x 140x 190mm (w/ Metal Base)
Temperature	-20~ +40℃ Operation;
	-25~ +60℃ Storage
Humidity	30~ 85% Operation;
	10~95% Storage
Printer: External thermal printer via Bluetooth	



LM-002 Auto Lensmeter

Sphere	0~±30 0.01 /0.06 /0.12 /0.25
Cylinder	0~+10 0.01/0.12/0.25D steps
Axis	0°~180° (1°step)
ADD	0~ 10 0.01/0.12/0.25
prism degree	0~15 Δ 0.01/0.12/0.25 Δ steps
cylinder	+,+/-,-
prism	X-Y,P-B
Contact lens	Soft/hard
Measuring mode	Single/progressive/ automatic recognition/contact lens
Diameter of lens	Ø 20~108mm
PD:	45~80mm, 0.25mm steps
ABBE	30~60
Display	LFT LCD (7”)
Printer	Thermal print
Dimensions	192x308x116mm/37*35*17cm
Weight	~5KG
Power supply	100~120V/200~220V 50/60HZ



LM-300 Auto Lensmeter

Features:

- Using Hartmann multi point area measurement method to measure the progressive lens rapidly
- and accurately.
- No need for ABBE constant, Operation more convenient and measurement more accurate.
- Based on extensible integrated high-speed processing system.
- Support for ultra-low transmittance and low dispersion lens measurement
- The upper limit of a prism is as high as 20delta
- Automatic identification of lens type
- Support for PD,PH, UV measurement result printout



Parameters:

Spherical power (spectacle lens)	-25D~+25D
Cylindrical power	-9.99D~+9.99D
Progressive ADD power	-9.99D~+9.99D
Spherical power (contact lens)	-20D~+20D
Vertex power step measurement	0.01D, 0.06D, 0.12D, 0.25D
Cylindrical lens astigmatism axis angle measurement scope	0°~180° , step 1°
Prism base angle measurement scope	0°~360° step 1°
Prism degree measurement scope	horizontal 0~20, step 0.01, Vertical 0~20, step 0.01
Measurable lens diameter	ϕ10mm~ϕ100mm
Measurable lens center thickness	≤20mm
Lens PD measurement scope	40mm~82mm step 0.25mm
Lens PH difference PH measurement scope	0mm~50mm , step 0.25mm
Measurable lens frame leg length	0mm~160mm
Measurable anti-UV transmittance rate	0~100% step 1%
Main Engine Power Supply	direct current12V,45W
Screen	800x480 color screen, full screen touchable
Printer	thermal printing, printing paper width 57mm

JD-2600B(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

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

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 transmissivity	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)

D-960 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/Dimensions:	4.5kg/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)

LM-800 Auto Lensmeter

Features:

- Measurement of PD, PH and PCL(Progressive Channel Length)
- New capacitive touch panel with high resolution
- The wavelength of UV and green light can be measured simultaneously.
- Blue-tooth, RS232 serial port, USB, WIFI. 4 forms of data communication.
- Finer marking pens and lens holder. Magnetic and stable sliding nose-piece.



Parameters:

Range of measurement	Sphere	0D~±25D(0.01,0.12,0.25 steps)
	Cylinder	0D~±9.99D(0.01,0.12,0.25 steps)
	Axis	0°~180°(1°step)
	Addition	0D~±9.99D(0.01D,0.12D,0.25D steps)
	Prism	0cm/m~15cm/m(0.01cm/m,0.12cm/m,0.25cm/m steps)
Measurement mode:	Cylinder	+, +/-, -
	Prism	X-Y, P-B
	Contact lens	Soft/hard lens
	Measurement mode	Single/progressive/automatic recognition
Specifications	Diameter of lens	Φ12mm~Φ112mm
	PD	40mm~90mm(0.5mm steps)
	Measuring speed	0.1second
	Abbe number	30~60
	Display	7”LCD/TFT
	Printer	Thermal printer
	Dimension	180mm×455mm×255mm
	Package	620mm×390mm×390mm
	Weight	~12kg
	Power supply	100~240V 50/60HZ 25VA

D-900 Auto Lensmeter

Features:

- Auto Lensmeter D-900 Focimeter 3.5" PPL CL
- Colorful Touch Screen Auto Lensmeter
- Printer And Pd, and UV optional
- Automatic Recognition of Single And Progressive Lens
- The display unit utilizes a full-graphic LCD, displaying measured values of right-eye and left-eye lenses at one time and graphically showing the alignment condition in the shape of a target.



Parameters:

Range of measurement	Sphere	0~±25D
	Cylinder	0~±9.99^{-1}
	Axis	0°~180°(1°step)
	Addition	0~±9. 99^{-1}
	Prism	0~15cm/m
Measurement mode	Cylinder	+,+/-,-
	Prism	X-Y,P-B
	Prism degree	0.01cm/m /0. 12cm/m /0. 25cm/m
	Diopter	0.01m^{-1} /0.12m^{-1} 10. 25m^{-1} (D)
	Contact lens	Soft/hard lens
Specifications	Diameter of lens	ø12~ø90mm
	PD	not available
	Weight	2.9kg
	Power supply	100~240V 50/60HZ 15VA
	Display	3.5"LCD
	Printer	external printer optional
	Size	185mm(W)x386mm(H)x166mm(D)
	Package	420mm(W)x250mm(H)x200mm(D)

D-910 Auto Lensmeter

Features:

- Tilting TFT color LCD touch screen7''clear view, easy and convenient operation
- Compact and light
- Memory Function
- 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



Parameters:

Range of measurement	
Sphere	0~±25m^{-1} 0.01/0. 12/0.25m^{-1} steps
Cylinder	0~±9.99m^{-1} 0.01/0.12/0.25m^{-1} steps
Axis	0°~180°(1°step)
Addition	0~±9.99m^{-1} 0.01/0.12/0.25m^{-1} steps
Prism	0~15cm/m 0.01/0. 12/0.25cm/m steps
Measurement mode	
Cylinder	+,+/-,-
Prism	X-Y,P-B
Contact lens	Soft/hard lens
Measurement mode	Single/progressive/automatic recognition
Specifications	
Diameter of lens	12~112mm
PD	40~90mm(0. 5mm steps)
Measuring speed	0.1second
Abbe number	30~60
Display	7"LCD/TFT
Printer	Thermal printer
Dimension	180mmx255mmx455mm
Package	620mmx390mmx390mm
Weight	~12kg
Power supply	100~240V 50/60HZ 25VA

COT-L890 Auto Lensmeter

Features:



Touch screen optional

- Accurately measuring the low-degree lens below +-0.12D.
- Measuring the colored lens with 10% transmittance.
- Displaying the PH value in screen.Led green light
- Measuring the progressive lens accurately and quickly.
- Optionally installing PD measuring instrument, UV measuring instrument and thermal printer.
- User friendly interface with easy operation; fast measurement, high accuracy and good repetition.

Parameters:

SPHERE	-25.00D-+25.OOD
Contact lens	-25.00D-+25. ODD (BC=6.00-9.00) (0.01D/0.12D/0.25DSTEPS)
CYLINDER	0.00D-±10.00D(-,MIX,+} (0.01D/0.12D/0.25DSTEPS)
AXIS	0°-180°(1°STEPS)
ADD	0.00D-±10.00D (Add and Ad2) 0.00D-±10.00D (Add and Ad2)
PRISM	0.00Δ-10.00Δ (horizontal,vertical) (0.01D/0.12D/0.25DSTEPS)
PD measuring range	80mm
Diameter for sphere	Φ20MM-Φ100MM
Diameter for contact lens	Φ5MM
UV	>100% (±15.00D~±25.00D, >20%)
Color LCD display	7inches color and touch screen
Printer	Thermal Printer
DATD INTERFAGE	RS-232
Power supply	AC100(±10%) -240(±10%)V 50/60HZ 40VA
Dimensions	190(W) x 205(D)x418 (D)MM
Weight	4.5 KG

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/Weight	215(W)×252(D)×428(H)/4kg

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/Weight	203(W)×233(D)×471(H)/4kg	

Chart Projector Base



ACP-3 Auto Chart Projector



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 fuction	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

ACP-7 Auto Chart Projector

Feature:

- 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

ACP-800 Auto Chart Projector

Feature:

- Exquisite appearance and excellent workmanship
- The latest international visual signs for more accurate testing result
- Fast response in 0.3 seconds
- Setting for red& green LED brightness
- Switching power supply for more stable and reliable machine



Parameters:

Icon	33 selections
Speed of choosing icon	An average of 0.35 seconds
Display	The whole site as the standard display
	Single line 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	30x(5m)
Projector size	330(W)x225(H)mm (5m)
Tilt	Ball Joints
Light	5V 5W (LED)
Power	AC110-240V 50/60Hz 50VA
Auto-standby function	3-10 minutes
Production Size	328mmx186mmx240mm
NW	5.0kg (Remote control: 180g)

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

ACP-1000 Auto Chart Projector

Features:

- Tianle ACP-1000 Auto projector provide better help for accurate refraction.
- Provides 30 different charts, programmable with remote control.
- Duochrome test charts to check single and binocular vision, and polarized test charts to check binocular vision and ocular muscle imbalance.

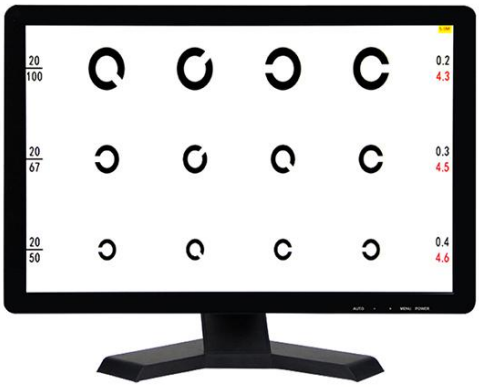


Parameters:

Product name	ACP-1000 auto chart projector
Projection distance	1.5m-6m
Projection magnification	30X (at 5m)
Projection size	330mm(W) x270mm(H) (at 5m)
Type of charts	30
Chart switch speed	0.03s per chart
Mask switch speed	0.03s per mask
Program	2 sets of programs, each contains 30 steps most
Lamp	12V 50W (halogen lamp)
Self-protection	automatically power off if no operations within10min

VC-5 LCD Chart Monitor

Features:



Parameters:

Power	AC100V ~ 240V/50Hz/60Hz
Maximum Screen Resolution	1440x900@60Hz
Distance	0.284mm
Screen Type	TFT
Screen Ratio	16:9
Screen Size	19''
Power consumption	≤33W
Visual Size	434x237mm
Visual Angel	H:170 / V:160
Maximum Brightness	300cd/㎡
Maximum Contrast	2000:1
Size	465x283x45mm
Net weight	5KGS
Working Distance	1M~6.5M Adjustable
Distance of remote control	≤6m

VC-1 LCD Chart Monitor

Features:

- Selectable Working Distance: 2 to 8 meters
- 21.5" inch screen, 1680x1050 resolution
- Can stand on ground by a support
- Can be set on the table



LCD-20 LCD Chart Monitor + Portable Lens box



Parameters:

Power	AC100V ~ 240V/50Hz/60Hz
Standard Power	About 60W
Stand-by power	<2w
Maximum Screen Resolution	1680x1050@60Hz
Distance	0.282mm
Screen Type	TFT
Screen Ratio	16:9
Screen Size	21.5''
Visual Size	530x335mm
Visual Angel	H:170 / V:160
Maximum Brightness	300cd/㎡
Maximum Contrast	2000:1
Size	578x380x75mm
Net weight	6.7KGS
Working Distance	1M~6.5M Adjustable
Distance of remote control	≤6m

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	21.5''
Pixel Pitch	0.2715mm
Max contrast ratio	1000:1
Resolution	1920×1080 pixels
Brightness	≥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	
1m~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	

ACP-60 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



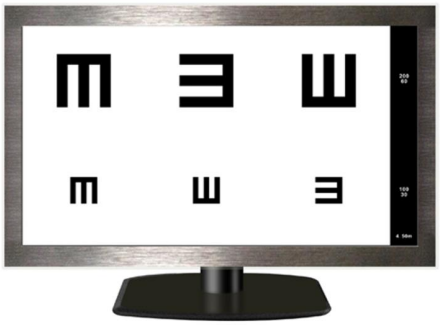
Parameters:

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-215 LCD Chart Monitor

Features:

- Indicate the images immediately when turn on the screen.
- Software and information are retained when power is turned off.
- Update the software by SD card which behind the monitor.
- It can link with our AV series auto phoropter (Model#: AV-1, AV-3)



Display:	21.5"
Pixel pitch	0.24825 mm
Max. brightness	250cd/m2
Max. contrast ratio	1000 : 1
Max. Resolution	1920 * 1080
Input signal	RGB
Signal joint	15 Pin D Pattern Plug
Energy consumption	17W
Compatibility	PC / MAC

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 best working distance: 3m ~ 6m
- The chart's size can be calibrated automatically according to the working distance.

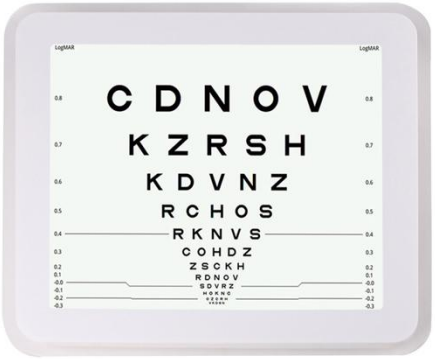


Panel	23.6"
Pixel Pitch	0.2715mm
Max brightness	300cd/m2
Max contrast ratio	1000:1
Panel Energy consumption	4.5W
Max resolution	1920*1080
Functions	polarizing test, can do double eyes balance test Red & Green deepness adjustment Contrast test, Color blind: ISHIHARA test Mirror test, Rand-oct: number 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-901 LCD Chart Monitor

Features:

- Video and audio playing function: It can play the video 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 vision 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.
- Equipped 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



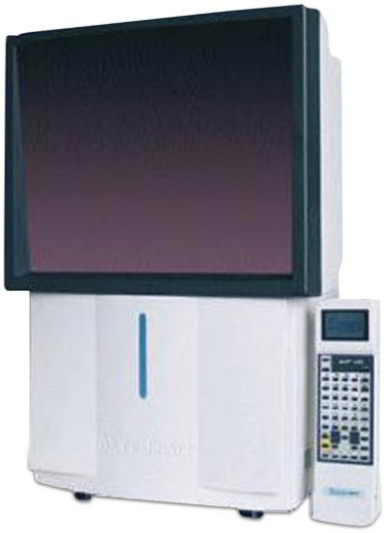
Parameters:

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
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 coincidences,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-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.



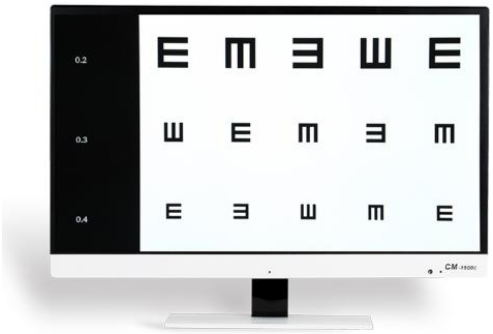
Parameters:

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 (LED 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

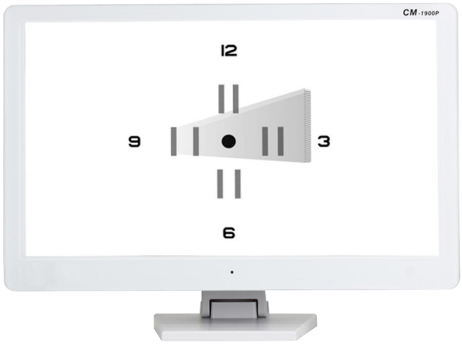
CM-1900C/CM-1900P LCD Chart Monitor

Features:

- CM-1900C has no Polarized chart, CM-1900P has 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



CM-1900C



CM-1900P

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

OU-1800 Ophthalmic unit

Feature:

- Luxurious design and graceful structure, Leg's protection supported
- 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:	1180x500x1720mm
Tabletop Size:	880x500mm
Drawer Size	530x370x60mm
Table rotation angle	0°
Table Lifting range	170mm
Table slide stroke	440mm
Chair lifting range:	160mm
Electric Voltage:	AC220V/110V 50/60HZ, 120W
Lamp	20W
Power	120W

OU-1900 Ophthalmic unit



Parameters:

Unit size:	900x1100x1600mm
Tabletop Size:	900x500mm
Drawer Size	530x370x60mm
Table rotation angle	45°
Table Lifting range	170mm
Chair lifting range:	160mm
Swing arm up & down range	180°
Electric Voltage:	AC220V/110V 50/60HZ, 120W
Weight	72kg
Lamp	20W

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:	800x1100x1600mm
Tabletop Size:	880x500mm
Table rotation angle	0°
Drawer size	530x370x60mm
Table Lifting range	170mm
Chair up and down distance:	160mm
Electric Voltage:	AC220V/110V 50/60HZ
Light	20W
Power	120W
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:	1030x1080x1920mm
Tabletop Size:	1030x480x120mm
Drawer Size	550x340x60mm
Arm left&right swing range	500mm
Chair up and down distance:	160mm
Electric Voltage:	AC220V/110V 50/60HZ
Table rotation angle	90^0
Lamp	20W
Weight:	200kg

S-600C Ophthalmic unit

Features:

- Small ophthalmic unit for phoropter, refractor, projector use.
- Electric chair up and down
- The am can adjust phoropter front and back,left and right
- Small tabletop can move left and right

Parameters:

Unit size:	1050x1080x1920mm
Tabletop Size:	1050x500mm
Table rotation angle	90^0
Arm up and down range	300mm
Chair up and down distance:	160mm
Drawer size	570x380x60mm
Power	120VA
Electric Voltage:	AC220V/110V 50/60HZ
Light	20W
Volume	$1.25m^3$
Weight:	200kg



OU-6000 Ophthalmic unit

Features:

- Luxurious design and graceful structure
- 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:	1050x1080x1920mm
Tabletop Size:	1050x500mm
Drawer Size	550x340x60mm
Arm up and down range	300mm
Chair up and down distance:	160mm
Table rotation angle	90^0
Power	120W
Weight:	200kg
Electric Voltage:	AC220V/110V 50/60HZ



CP-600A Ophthalmic unit

Parameters:

Unit size:	1030×830×1860mm
Tabletop Size:	1030×500X130mm
Small tray Tabletop Size	300x400mm
Drawer inner size	545x370x50mm
Movement of small table top	60~460mm, range: 400mm
Arm up and down	1430~1730mm, range: 300mm
Size of chair	680x590x1345mm
Chair up and down	1195~1345mm, range: 150mm
Power of light	15W
Electric Voltage	AC220V/110V 50/60HZ
Package size and Weight	92x50x105cm, 110kgs 115x61x27cm, 38kgs 82x63x69cm, 43kgs



CP-600C Ophthalmic unit

Parameters:

Unit size:	980×850×1860mm
Tabletop Size:	980×490X130mm
Small tray Tabletop Size	305x450mm
Drawer inner size	545x370x50mm
Movement of small tray tabletop	120~480mm, range: 360mm
Arm up and down	1430~1730mm, range: 300mm
Size of chair	680x590x1345mm
Chair up and down	1195~1345mm, range: 150mm
Power of light	15W
Electric Voltage	AC220V/110V 50/60HZ
Package size and Weight	92x50x105cm, 110kgs 115x61x27cm, 38kgs 82x63x69cm, 43kgs



OU-400A Ophthalmic unit

The tabletop can mount 1 machine

Parameters:

Unit size:	1100×1000×1840mm
Tabletop Size:	1080×520mm
Table rotation angle	90°
Small tray Tabletop Size rotate	180°
Arm up and down range	120mm
Chair up and down range	160mm
Table movable range	335mm
Drawer inner size	550x340x55mm
Power	120VA
Electric Voltage	AC220V/110V 50/60HZ
Weight	200kg



OU-400B-2 Ophthalmic unit

The tabletop can mount 2 machines

Parameters:

Unit size:	1100×1000×2060mm
Tabletop Size:	900×440mm
Movement range of worktable	300mm
Table rotation angle	90°
Arm up and down range	Manually ±35°
Chair up and down range	160mm
Power	120VA
Electric Voltage	AC220V/110V 50/60HZ
Weight	200kg



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 angle	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°
Electric Voltage	AC220V/110V 50/60HZ
Weight	200kg

PK-80 Ophthalmic unit



Features:

- The arm can up and down 90° rotating
- Table can be controlled up/down
- Sliding small tabletop can mount 1 set of machine.
- Small tray tabletop can 180° rotating

Parameters:

Unit size:	900×1080×1780mm
Table Size:	900×620x120mm
Drawer inner Size	520×340×60mm
Arm move range	220mm
Small tray tabletop rotate	180°
Chair up and down distance:	160mm
Table up and down range	130mm
Power	120W
Weight:	90KGS
Electric Voltage:	110V/60Hz~220V/50Hz

OU-1000 Ophthalmic unit

Features:

- An automatic and full functional Chair & Stand Unit, automatic functions are realized in different parts: automatic table moving, automatic tabletop up and down, automatic column up and down, automatic phoropter arm.
- European smart design style in appearance, which looks simple and fashionable.
- Different instruments can be equipped on it: Auto Refractometer/Auto Phoropter/Slit Lamp/Auto Lensmeter/Trial Lens Set.
- Equipped with drawer for trial lens set, enough storage space is provided with.
- Wireless operation ways are provided with, such as Operation
- Panel/Mobile Control/Tablet Control.
- Leather chair with linear motor makes a quiet operation.
- An ideal Combi Unit for eye clinic, hospitals, optical shops etc.



Parameters:

Unit size:	1200mmx1300mmx1800mm
Table size:	850mmx450mm
Small table size:	620mmx400mm
Drawer size:	520mmx350mm
Control mode:	fifilm button/phone remote control/fiflat panel remote control
Configuration equipment:	computer refractometer /electric cattle eye /slit lamp /focus meter
Table rotation angle:	90 °
Countertop left and right movement distance:	400mm
Countertop up and down distance:	150mm
Column (cattle eye arm) left and right moving distance:	400mm
Column (cattle eye arm) up and down distance:	120mm
Chair left and right movement distance: 150mm	150mm
Chair up and down distance: 150mm	150mm
Chair back angle:	140 °
Chair movement mode:	pulley move (optional)
Chair height:	700mm
Chair loading ability:	250kg
Lamp:	LED (24V, 7W)
Electric Voltage:	AC220V / 110V 50 / 60HZ
Weight:	200kg
Packing size:	100 × 120 × 130cm with wooden box

CS-300 Ophthalmic unit

Features:

- Chair with electric elevator, stable and low noise.
- It could be rotated 45° for the swing arm of electrician and table-board is 90°.
- Added salver of portable view tester.
- Sliding a small tray table top. 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:

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

CS-400 Ophthalmic unit

Features:

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



Parameters:

Table Size:	1010x480x120mm
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 90°.
- Considering the personal factors represented by the angle and height of the user.
- Operation table able to rotate forward at 90°,simplifying the switch between equipment



Parameters:

Unit size:	870x700x1850mm
Table Size:	860x510mm
Table lifting range	200mm
Power	80W
Electric Voltage:	AC220V/110V 50HZ
Weight:	100kg

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° rotation,is more convenient for entrance
- Fancy material for table.
- Simple mobile sliding tray tabletop for placing refractometer and ophthalmo tonometer.
- 10mm solid plate cutting is used in the main bearing plate



Parameters:

Unit size:	1020x1230x1580mm
Table Size:	1010x480x120mm
Table lifting range	200mm
Chair Lifting Range	200mm
Electric Voltage:	AC220V/110V 50HZ
Weight:	240kg

CS-800 Ophthalmic unit

Features:

- Operation table able to rotate 90°
- Convenient and simple mobile sliding table, suitable for placing refractometer and tonometer.
- Elegant contour design and exquisite workmanship
- Equipped with luxurious chair
- Electric lifting arm able to move left and right, up and down



Parameters:

Total Size	1020x1230x1580mm
Table size	1010x480x120mm
Arm lifting range	200mm
Chair range	200mm
Main unit package size	1050x580x980mm
Chair Package size	730x820x1460mm
Table-board package size	1130x730x450mm
Power	220V 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:	2000x1200x1670mm
Optometry tray Size:	400x300mm
Table lifting range	200mm
Chair Lifting Range	200mm
Electric Voltage:	AC220V 50HZ
Weight:	160kg

PK-100 Ophthalmic unit

Features:

- Electric power, chair 90° rotating.
- The arm can move left and right, up and down.
- Small tray tabletop can move left and right.
- Button switch to control.

Parameters:

Unit size:	1060×1020×1850mm
Tabletop Size:	1060×450mm
Drawer Size	560x380x60mm
Arm up and down range	120mm
Chair up and down distance:	160mm
Table rotation angle	90^0
Power	120W
Weight:	220kg
Electric Voltage:	AC220V/110V 50/60HZ



PK-188 Ophthalmic unit

Features:

- The arm can adjust phoropter front and back,left and right
- Multi-function button, easy to operate
- Sliding small tray tabletop
- Tabletop can rotate 90°

Parameters:

Unit size:	1130×1100×1920mm
Tabletop Size:	1010×510mm
Arm up and down range	1800-2100mm
Tabletop up and down range	120mm
Chair up and down distance:	160mm
Table rotation angle	90^0
Drawer inner Size	540×380×60mm
Power	120VA
Weight:	240KGS
Electric Voltage:	110V/60Hz~220V/50Hz



CS-700B Ophthalmic unit

Features:

- The arm can be adjusted phoropter left and right
- Multi-function button, easy to operate
- Sliding small tabletop can mount 1 set of machine.
- Tabletop can rotate 90°

Parameters:



Unit size:	960×1000×1650mm
Tabletop Size:	960×470mm
Table rotation angle	90°
Arm up and down range	140mm
Chair up and down distance:	160mm
Drawer inner Size	570×380×60mm
Power	120VA
Weight:	200KGS
Electric Voltage:	110V/60Hz~220V/50Hz

C-6 Ophthalmic unit

Features:

- The arm can be adjusted phoropter left and right
- The arm can adjust left and right
- Sliding small tabletop can mount 1 set of machine.
- Table can open 90°, and the small tray tabletop can rotate 180°

Parameters:



Unit size:	960×1000×1650mm
Tabletop Size:	960×470mm
Table rotation angle	90°
Small tray tabletop rotate	180°
Arm up and down range	140mm
Chair up and down distance:	160mm
Drawer inner Size	570×380×60mm
Power	120VA
Weight:	200KGS
Electric Voltage:	110V/60Hz~220V/50Hz

TR-510D 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:

Mechanical Parameters	
Up/Down angle of swing arm	±30°
Table size	840mmx405mm, 670mmx405mm
Table rotation angle	90°
Chair height adjustment range	450~590mm
Loading for chair	150kgs
Electrical Parameters	
Input voltage	110V/220V AC 50Hz~60Hz
Engine power	55W 220V AC
Light	40W 110V/220V AV
Fuse	5A 250V AC
No load power	1W
Pressure test	2KV
Main wire	10A 250V
Working mode	S1
Working temperature	-10℃~+40℃
Relative humidity	less than 90%
Installation Dimension	
Figure size	1590mm*1150mm*1990mm
Weight	180kgs

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:

Mechanical Parameters	
Up/Down angle of swing arm	±30°
Table size	840mmx405mm, 670mmx405mm
Table rotational angle	90°
Chair height adjustment range	410~550mm
Loading for chair	150kgs
Electrical Parameters	
Input voltage	110V/220V AC 50Hz~60Hz
Engine power	55W 220V AC
Light	40W 110V/220V AV
Fuse	5A 250V AC
No load power	1W
Pressure test	2KV
Main wire	10A 250V
Working mode	S1
Working temperature	-10℃~+40℃
Relative humidity	less than 90%
Installation Dimension	
Figure size	1200mm*1000mm*2130mm
Weight	150kgs

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:

Mechanical Parameters	Up/Down angle of swing arm	±30°
	Table size	840mmx405mm, 670mmx405mm
	Table rotation angle	90°
	Table sliding movement range	330mm
	Angle of rotation for chair	+/- 60°
	Chair height adjustment range	460~600mm
	Loading for chair	150kgs
	Lifting height for pillow	≤150mm
	Backrest obliquity	90°~135°
Electrical Parameters	Input voltage	110V/220V AC 50Hz~60Hz
	Engine power	55W 220V AC
	Light	40W 110V/220V AV
	Fuse	5A 250V AC
	No load power	1W
	Pressure test	2KV
	Main wire	10A 250V
	Working mode	S1
	Working temperature	-10℃~+40℃
	Relative humidity	less than 90%
Installation Dimension	Figure size	1510mm*1000mm*2130mm
	Weight	168kgs

TR-510 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:

Mechanical Parameters	
Up/Down angle of swing arm	±30°
Table size	840mmx405mm, 670mmx405mm
Table rotation angle	90°
Chair height adjustment range	450~590mm
Loading for chair	150kgs
Electrical Parameters	
Input voltage	110V/220V AC 50Hz~60Hz
Engine power	55W 220V AC
Light	40W 110V/220V AV
Fuse	5A 250V AC
No load power	1W
Pressure test	2KV
Main wire	10A 250V
Working mode	S1
Working temperature	-10℃~+40℃
Relative humidity	less than 90%
Installation Dimension	
Figure size	1590mm*1150mm*1990mm
Weight	180kgs

TR-520D 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:

Mechanical Parameters	
Up/Down angle of swing arm	±30°
Table size	840mmx405mm, 670mmx405mm
Table rotation angle	90°
Chair height adjustment range	450~590mm
Loading for chair	150kgs
Electrical Parameters	
Input voltage	110V/220V AC 50Hz~60Hz
Engine power	55W 220V AC
Light	40W 110V/220V AV
Fuse	5A 250V AC
No load power	1W
Pressure test	2KV
Main wire	10A 250V
Working mode	S1
Working temperature	-10℃~+40℃
Relative humidity	less than 90%
Installation Dimension	
Figure size	1590mm*1150mm*1990mm
Weight	180kgs

TR-520B 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:

Mechanical Parameters	
Up/Down angle of swing arm	±30°
Table size	840mmx405mm, 670mmx405mm
Table rotation angle	90°
Chair height adjustment range	450~590mm
Loading for chair	150kgs
Electrical Parameters	
Input voltage	110V/220V AC 50Hz~60Hz
Engine power	55W 220V AC
Light	40W 110V/220V AV
Fuse	5A 250V AC
No load power	1W
Pressure test	2KV
Main wire	10A 250V
Working mode	S1
Working temperature	-10℃~+40℃
Relative humidity	less than 90%
Installation Dimension	
Figure size	1190mm*1150mm*1990mm
Weight	180kgs

TR-700A Ophthalmic unit



Parameters:

Mechanical	Angle of rotation for rocker:	±30°
	Table size:	500mm×350mm
	Table rotation angle:	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

TR-700 Ophthalmic unit

Mechanical Parameters

phoropter swing arm	Swing angle (up and down)	+30°
	Rotary arm	rotation angle o°-300°
	Up and down moving range	900mm-1500mm
	Max load	30kgs
Projection arm	angle of rotation for rotary arm	360°
	The tray can be rotate	360°
	Up and down moving range	1030mm-1530mm
	Max load	10kgs
Slit lamp arm	Table size	350mm x 200mm x 25mm(Can be customized, maximum size is 700mm x 400mm x 40mm)
	Max load	50kgs
Table rotational angle	The first rotary arm rotates	0°- 180°
	The second rotary arm rotates	0°- 360°
	The third rotary arm rotates	0°- 180°
Table-board rotational angle：360°		
Table movement range : Within a semicircle with a radius of 824mm; Height adjustment range: 716-1016mm		

Parameters:

Electrical Parameters	
Input voltage	100-120V; 200-240V AC 50Hz/60Hz;
Output voltage	100-120V; 200-240V AC 50Hz/60Hz; 2.5V 3.5V 4.5V 5.5V 6.5V 7.5V 12V AC
Charging voltage	5V DC
Engine power	28V 1.5A DC
Light	5/16W 24V DC
Fuse	5A 130/250V AC
No load power	1W
Pressure test	2KV
Working mode	S1
Main wire	10A 120V/250V
Working temperature	-10°C-+40°C
Relative humidity	less than 90%



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:

Mechanical Parameters	Up/Down angle of swing arm	±30°
	Table size	840mmx405mm, 670mmx405mm
	Table rotation angle	90°
	Table sliding range	330mm
	Rotation angle	+/-60°
	Chair height adjustment range	460~600mm
	Loading for chair	150kgs
	Lifting height	≤150mm
	Backrest obliquity	90°~135°
Electrical Parameters	Input voltage	110V/220V AC 50Hz~60Hz
	Engine power	55W 220V AC
	Light	16W 110V/220V AV
	Fuse	5A 250V AC
	No load power	1W
	Pressure test	2KV
	Main wire	10A 250V
	Working mode	S1
	Working temperature	-10℃~+40℃
	Relative humidity	less than 90%
Installation Dimension	Figure size	1560mm*1000mm*2000mm
	Weight	175kgs

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:

Mechanical Parameters	Up/Down angle of swing arm	±30°
	Table size	840mmx405mm, 670mmx405mm
	Table rotation angle	90°
	Table sliding range	330mm
	Rotation angle	+/-60°
	Chair height adjustment range	460~600mm
	Loading for chair	150kgs
	Lifting height	≤150mm
	Backrest obliquity	90°~135°
Electrical Parameters	Input voltage	110V/220V AC 50Hz~60Hz
	Engine power	55W 220V AC
	Light	16W 110V/220V AV
	Fuse	5A 250V AC
	No load power	1W
	Pressure test	2KV
	Main wire	10A 250V
	Working mode	S1
	Working temperature	-10℃~+40℃
	Relative humidity	less than 90%
Installation Dimension	Figure size	1560mm*1000mm*2000mm
	Weight	175kgs

Ophthalmic unit

TCS-500 Ophthalmic unit



Parameters:

Elevation range of table	670~830(mm)
Weight	80KGS

TCS-860 Ophthalmic unit

Features:

- Well designed and layout, Smooth movements and good practical functions.
- Operated both by control panel and remote control
- Electric up/down chair, with rotate function.
- Phoropter arm can be electric up/down, and can be rotated 90 in the highest
- Desktop can place two sets of optical instrument
- Phoropter arm can attach manual vision tester or computerized vision tester.
- Trial lens set can be placed inside of the table drawer



Unit Size	1120x1050x1630mm
Table rotation angle	90°
Rotate range of Arm	4°~90°
Elevation of Arm	300mm
Elevation	150mm
Input Voltage	110V/60Hz or 220V/50Hz
Weight	200KGS

TCS-880 Ophthalmic unit

Features:

- Table with rotate and motorized up/down function
- Rotate-able tray table for install the Auto Ref-keratometer



Dimensions	1040x1030x1830mm
Table size	1000(W)x480(D)mm
lift range of Phoropter Arm	450mm
Power supply	AC 110V/60Hz or 220V/55Hz, 120W
Weight	150.0KGS
Lift range of Chair	480~630mm
Net Weight of Chair	45.0KGS

EC-300 Motorized chair

Parameters:

Up and down moving range	568~708mm
Chair rotation angle	0~270°
Backrest adjustable angle	80°~180°
Headrest adjustable in a semicircle area of 250mm radius	
Chair max load	150KGS
Engine Power	28V 1.5A DC
Fuse	5A 130/250V AC
No load power	1W
Pressure	2KV
Working Mode	S1
Input Voltage	110V~115V/240V 50Hz/60Hz
Figure size	1884mm×1316mm×1663mm
Weight	145kgs



EC-100 Motorized 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



DT-1 Motorized chair

Parameters:

Chair Height	1340-1500mm
Chair back height	780mm
Seat width	500mm
Chair up and down distance	160mm



DT-4 Motorized chair

Parameters:

Dimension	68x59x134.5cm
Chair lifting range	119.5-134.5cm
Chair left&right swing range	15cm
Power	50W
Package size	81.5x62.5x69cm
Weight	43kgs



DT-5 Motorized chair

Parameters:

Chair Height	1250-1410mm
Chair back height	740mm
Seat width	500mm
Chair up and down distance	160mm



C-310A Motorized chair

Parameters:

Dimension	68x59x134.5cm
Chair lifting range	119.5-134.5cm
Chair left&right swing range	15cm
Power	50W
Package size	81.5x62.5x69cm
Weight	43kgs



AT-2 Motorized chair

Parameters:

Chair Height	1250-1410mm
Chair back height	740mm
Seat width	500mm
Chair up and down distance	160mm



AT-1 Motorized chair

Parameters:

Chair Height	1200-1360mm
Chair back height	620mm
Seat width	500mm
Chair up and down distance	160mm



EC-B Motorized chair

Parameters:

Chair Height	1010-1170mm
Chair back height	500mm
Seat width	470mm
Chair up and down distance	160mm



EC-C Motorized chair

Parameters:

Chair Height	780-930mm
Chair back height	330mm
Seat width	440mm
Chair up and down distance	150mm



PC-A/PC-D/PC-E Hydraulic chair







MT-3A Motorized Table

Parameters:

Table Size:	480 X 400mm
Range of elevation:	180mm
Max Loading:	55kg
Electric Voltage:	220V/50Hz or 110V/60Hz Power: 120W
Weight:	17.5 kg
Volume:	608(L) x530(W) x265(H)mm



MT-3ADT Motorized Table

Parameters:

Table Size:	680 X 400mm
Range of elevation:	180mm
Max Loading:	55kg
Electric Voltage:	220V/50Hz or 110V/60Hz
Weight:	33 kg



MT-3F Motorized Table

Parameters:

Table Size:	680x420mm
Range of lifting:	170mm
Max Loading:	100kg
Electric Voltage:	220V/50Hz or 110V/60Hz Power: 120W
Weight:	25kg



MT-20 Motorized Table

Parameters:

Table Size:	550 X 480mm
Range of lifting:	190mm
Max Loading:	100kg
Electric Voltage:	220V/50Hz or 110V/60Hz Power: 120W
Weight:	20kg



MT-20DT Motorized Table

Feature：

Table top size	630X420X100mm
Drawer Size	540X350X60mm
Table up and down range	190mm
Electric Voltage:	220V/50Hz or 110V/50Hz
Max Loading	100kg
Weight:	45kg



MT-D Motorized Table

Feature：

Unit size	720X1100X1600mm
Table Top Size	720*430mm
Arm up and down range	180mm
Chair up and down range	160mm
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):	980x450x25mm
Range of lifting:	170mm
Max Loading:	75kg
Power	120W
Electric Voltage:	220V/50Hz or 110V/60Hz
Power	120W
Unit size	900x500x820mm
Weight:	45kg



MT-220B Motorized Table

Parameters:

Unit size	910 X610X680mm
Range of lifting:	180mm
Electric Voltage:	220V/50Hz or 110V/60Hz
Weight:	40kg



MT-170 Motorized Table

Parameters:

Unit size	1100 X600X700mm
Range of lifting:	120mm
Electric Voltage:	220V/50Hz or 110V/60Hz
Weight:	30kg



MT-160B Motorized Table

Can put 2 instrument with sliding table top

Parameters:

Unit size	1010 X440X710mm
Range of lifting:	160mm
Range of sliding:	400mm
Electric Voltage:	220V/50Hz or 110V/60Hz
Weight:	30kg
Volume	0.19m^3



MT-280 Motorized Table

Features:

- Table for digital slit lamp, Keratometer use
- Low noise, quality motor
- Suit for laboratory, hospital and eye glasses shop

Parameters:

Unit size	1020X1230X1580mm
Table Top Size	12000x680x50mm
Range of lifting:	120mm
Power	120W
Electric Voltage:	220V/50Hz or 110V/60Hz Power: 120W
Weight:	55kg



MT-330 Motorized Table

Features:

- Table for digital slit lamp, Keratometer use
- Low noise, quality motor
- Suit for laboratory, hospital and eye glasses shop

Parameters:

Table Top Size	800X550X50mm
Table Top Size	600X550X50mm
Range of lifting:	200mm
Power	120W
Electric Voltage:	220V/50Hz or 110V/60Hz
Weight:	65kg



YZ-38 Auto Keratometer

Features:

- Excellent optical system, easy operation, high quality at basis of reasonable price
- Main optical lens were made of imported material, to assure high clearance and brightness
- The product is applied in measuring the cornea's radian and diopter, and the axis and diopter of cornea astigmatism.
- Also, it can measure the diopter of implanting lens assisted by A ultrasonic



Parameters:

Measuring range	Curvature Radius	5.5-11mm
	Diopter	30-60D
Minimum Division	Radius	0.02mm
	Diopter	0.25D
Minimum surface Area Required by Measurement	r=5.5mm	1.65mm
	r=7.5mm	2.36mm
	r=11mm	3.36mm

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

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

NVC-02 Near Visual Acuity Chart





Snellen Chart (Customized)



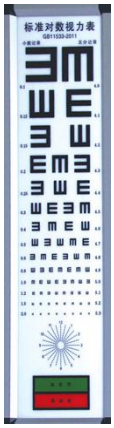
VC-085



VC-002



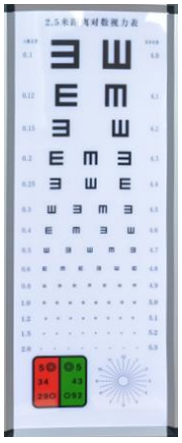
VC-005



VC-006



VC-008



VC-010



VC-011

Pupilmeter

PM-1 Pupil Ruler



PM-3 Pupil Ruler

- 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.
- auto power off and memory function after finishing the measuring which could save the electricity and keep the data well.
- 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



PM-9AT Pupilmeter

Features:

- 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.
- can 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



PM-9S Pupilmeter

Features:

- 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.
- can 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



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



PM-9G Pupilmeter

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



CP-9/CP-9B Pupilmeter



PD-400 Rechargeable PD meter



Feature:

- Built-in HD camera
- 4.3inch LCD screen, more intuitive observation
- Built-in 3000mA rechargeable lithium battery , single charge for one week
- Led light source, measurement step adjustable
- with automatic calibration function

Parameters

Model	PD-400
Binocular Pupillary Distance	45~82 Mm
Left or Right Pupillary Distance	22.5~41 Mm
Indication Error	≤ 0.5 Mm
Rounding Error	≤ 0.5 Mm
Distance of Target	30 Cm~∞
Power Source: Voltage	DC 3v
Specification	Lithium battery
Size	233mm(L)× 165mm(W)× 70mm(H)

104P/104M Trial lens set





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

158P/158M Trial lens set



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



232P/232M Trial lens set



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



266P/266M Trial lens set



Leather/aluminum case and metal/plastic rim available

Sphere:	80 pairs
Cylinder:	40 pairs
Prism:	14 pieces
Accessories:	13 pieces
Trags dimensions:	312mm (L) × 532mm (W) × 34mm (H)
Weight:	5.6kgs/6.5kgs



266RB Red&Black metal rim Trial lens set

aluminum case and metal rim red&black color

Sphere:	80 pairs
Cylinder:	40 pairs
Prism:	14 pieces
Accessories:	13 pieces
Trags dimensions:	312mm(L)×532mm(W)×34mm(H)
Weight:	6.8kg



Progressive trial lens set



Prism trial lens set



TF-A/TF-B/TF-TP/TF-P 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: TF-A: handle vertical adjusting TF-B: handle horizontal vertical adjusting TF-TP: Suitable for progressive wear test, Half rim TF-P: Suitable for progressive wear test, Full rim	



TF-A



TF-B



TF-TP



TF-P

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



Full adjustable, made of PC material	
Binocular PD	48-80mm, 1mm step
Monocular PD	24-40mm, 1mm step
Temple adjustment	98-135mm

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



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



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

TF-8848 Trial Frame

Features:

- Available for 5 lenses to be inserted at each side
- Length, angle and shape of temple, Height of nose pad is adjustable
- Adjust the axis of astigmatism is convenient



Parameters:

Material:	Metal
PD adjustable range:	48 ~ 80cm
Weight:	0.2kg

Cross Cylinder

-0.25DC,-0.50DC



Clip trial frame



Maddox Test



PO-1/HO-1 Pinhole Hand Occluder



RG-1/RG-2/RG-3 Red Green Lens

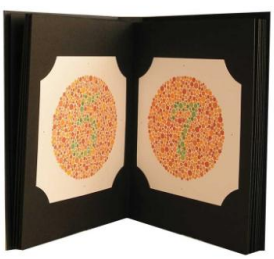


Fly/Butterfly Stereopsis Test





14/24/38 Plate Ishihara Color Test Book



EA-100 Digital Eyepiece Adapter



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.
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.

SLM-2000 Slit Lamp Microscope



Microscope	Microscope Type	Converging Stereoscope
	Magnification	1 step magnifications
	Eye piece	10x
	Magnification ratio	10×(18)
	Adjustable 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) x385mm(W)×630mm(H)

SLM-66B Slit Lamp Microscope



Parameters:

Property of slit lamp	Microscope Type	Converging Stereoscope
	Magnifications	2 Steps magnification
	Eyepiece	10x
	Magnification Ratio	16×(14.5mm), 10×(18mm)
	PD adjustment	50mm ~ 82mm
	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 ~ 9mm continuous(at 9mm,slit becomes circle)
	Slit height	1 ~ 8mm continuous
	Slit angle	0° ~ 180° continuous
	Light spot diameter	9, 8, 5 , 3, 2, 1 ,0.2mm
	Filter	Heat absorption, Grey, Red-free, Cobalt Blue
	Illumination Bulb	12V 50W halogen lamp
Power	Input voltage	110V/220V AC
	Frequency	50/60Hz
	Power consumption	68VA
Weight and size	G.W	18kg
	Main dimension	680mm(L)× 440mm(W)× 420mm(H)

SLM-88 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:

Microscope	Microscope Type	Converging Stereoscope
	Magnification	5 steps magnifications
	Eye piece	12.5x
	Magnification ratio	6X(33mm),10×(22.5mm),16X(14mm),25X(8.58mm),40X(5mm)
	Adjustable range of PD	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 14mm, slit becomes a circle)
	Slit height	1~14mm continuous
	Slit angle	1° ~180° adjustable
	Light spot diameter	14, 10, 5, 3, 2, 1, 0.2mm and 1~14mm continuous
	Filter	Heat absorption, grey, Red-free, Cobalt Blue
	Illumination Bulb	12V 50W halogen lamp
Power	Input Voltage	110V/220V AC
	Frequency	50/60Hz
	Power Consumption	68VA
Weight and size	Weight	18kg
	Main Dimension	690mm(L) x440mm(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	LED bulb
Fixation	Red LED 3.5V
Power	Input voltage:110/220V±10%
	Input frequency: 48~62 Hz
	Input power: 60VA

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	LED bulb
Fixation	Red LED 3.5V
Power	Input voltage:110/220V±10%
	Input frequency: 48~62Hz
	Input power: 60VA

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:

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

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	LED bulb
Fixation	Red LED 3.5V
Power	Input voltage:110/220V±10%
	Input frequency:50/60Hz
	Input power:60VA

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 Definition DSLR 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 llumination	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	1 10V/220V (±10%)
Input Power	300VA
Diffuse Lens	Yes
Preset Lens	Yes
Laser Interface	Yes

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

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

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		



YZ-3 Portable Slit Lamp Microscope

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



SLM-1A/B Portable Slit Lamp Microscope



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, Li-ion battery DC7.4V/950mAh, continuous working time>=3hours after fully charged	

KJ5S1 Portable Slit Lamp Microscope



Microscope type:	converging microscope
Objective magnification:	1x
Eyepiece magnification:	10x,16x
Diopter compensation	+/-7D
Pupil distance:	80mm
Slit width:	0-10mm continuously 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

KJ5S2 Portable Slit Lamp Microscope

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
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



KJ5S3 Portable Slit Lamp Microscope

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
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



HSL Portable Slit Lamp Microscope

Features:

- Digital Hand-held Slit Lamp is used for anterior segment imaging, diagnosis, especially for anterior disease screening. Combining observation with imaging, it offers clearer observation and higher definition images of eyelid, conjunctiva, cornea, iris, lens and vitreous, etc. With quick lens adjustment and light body, it is much easier and more convenient to be applied in rapid screening, out diagnosis, clinical observation and remote medical treatment.
- Video function offering live data, Image Resolution: 16 MP



Magnification	10X
Working Distance	80mm
Slit Width	0-12mm continuously adjustable
Aperture Diameter	0.2mm, 1mm, 5mm, 12mm
Filter	Heat-absorption, Red-free Cobalt blue
Light Source	White LED
Screen	3.97'
IM A gemideo Format	JPEG/3GP (Easy operation and high definition imaging)
Power	3.7V Lithium Battery
Transmission	WiFi, BT
Storage	Internal capacity 16GB
Interface	Micro USB
Size	140x118x225mm
N. W.	850g
Packing Size	38*30*29cm

FC-1000P Portable Fundus Camera

Viewing Angle	42°
Minimum pupil diameter	The 2.5 mm
Image resolution	1920 x 1080 pixels
Diopter compensation	- 20D~+ 20D
Focusing way	manual
Flash way	Natural white LED/IR LED
LCD display	3.5-inch TFT color screen
Image format	JPEG
The file transfer	Micro USB, WiFi wireless transmission
File storage	Microsd card: supports a maximum of 32 GB
The power supply	Rechargeable battery 3.6V/3400mAh
size	190 mm * 100 mm * 210 mm



HFC-02 Portable Fundus Camera

Features:

Intelligent and advanced fundus screening

1. Non-mydriatic and minimum pupil size 2.5mm.
2. Low light LED flash and 480×800 HD touch screen
3. Auto focus and 8target fixation

Fast and HD funds imaging: 16 mega pixel

Android system application:

1. Android system, easier operation and data storage
2. Reading,wireless transfer
3. DICOM interface
4. 4G NETWORKS
5. No additional computer or mobile device will be required
6. Integrated design only 560g
7. Wireless printing





Optional Stand

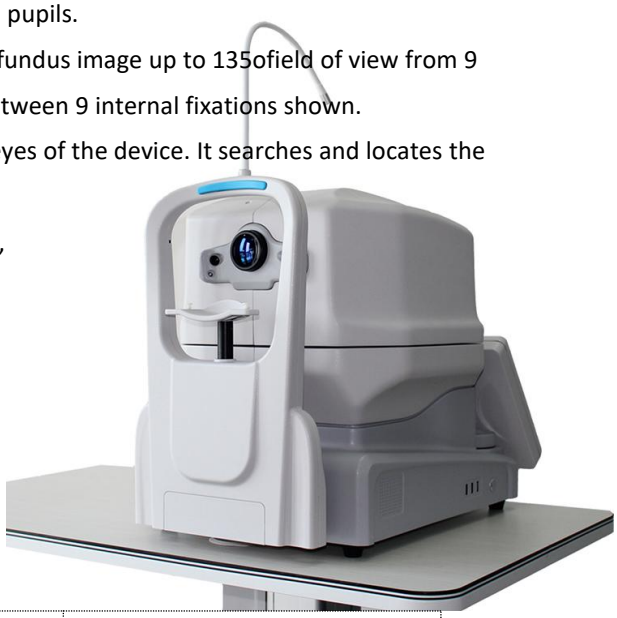
Parameters:

Field of View	45°
Minimum pupil	2.5mm
Refractive compensation	-20D~+20D
Focus way	Auto/manual
Focus mode	8 targets fixation
Image resolution	16MP
Screen	3.97 inch multi targets touch screen 800×480
Shoot type	Infrared, white light
Image format	JPEG
Transmission and storage	Internal capacity 16GB; USB/WIFI/BT/4G
Weight	560g
Power supply	Lithium Battery 3.7V 3400mAh
The battery continuously working time	6h (Standby time exceeds 24h)
Total charging time	3.5-4h
Operating system	PC: Windows system APP:Android
ID Card reading and collection	Support
NFC card reader	support
Connect function	Professional software, APP, support DICOM, support cloud service system, patient data management software, support wireless printing

Reticam 3100/3100mini Non-mydriatic Automatic Fundus Camera

Features:

- Intelligent operation-aut oaticsimple/fast
- Soft lighting-advanced optical technology: Soft lighting reduces the constriction of pupil caused by the illumination. Satisfactory images can be obtained even in two consecutive exposures.
- Non-mydriatic design - minimum pupil size of 3.3mm: The fundus image can be acquired for pupils as small as 3.3mm in Small Pupil Mode, which is appropriate for patients who have small pupils.
- 135°wide field - 9-position mosaic: Mosaic function can generate the fundus image up to 135ofield of view from 9 images of 50"field width each. More fixation points are distributed between 9 internal fixations shown.
- Dual-camera system - eyes of the device: Dual-camera system is like eyes of the device. It searches and locates the pupil for fast and accurate autofocus.
- Multifunctional software system: Powerful image processing function, acquire lesion area and cup disc ratio easily
- DICOM 3.0 LAN \ USB expand port
- Upgraded configuration , more detail acquisition



Parameters:

		3100	3100mini
Image acquisition system	Acquisition modes	Non-mydriatic/ mydriatic, Anterior photography Red-free (optional), FFA (optional) , FAF (optional)	Non-mydriatic/ mydriatic
	Field of view	50°	50°
	Working distance	35mm	17mm
	Minimum pupil size	≥3.3mm	≥2.8mm
	Focus modes	Auto /manual	Auto /manual
	Exposure modes	Auto /manual	Auto /manual
	Operation	Auto /manual	Auto /manual
	Photography	SLR camera	SLR camera
	Image resolution	24megapixels	CCD
	Diopter compensation	-/+25D	-/+25D
	Fixation	External / internal fixation	External / internal fixation
	Autofocus assist light	Infrared LEDED	Infrared LEDED
	DICOM 3.0	Yes	Yes
	Customization AI port	Yes	Yes
	Power supply	100-240V 50/60Hz	100-240V 50/60Hz

Reticam 3000 Non-mydriatic Automatic Fundus Camera

Features:

- Super-resolution imaging: Canon' s EOS image acquisition system with 18
- megapixels is able to dis play a clear fundus image
- 3.3mm pupil photo ability: At top industry standard,the patients can be satisfied for their fundus images without mydriasis so that the efficiency is improved.
- Quick and easy operation procedure: double dots alignment easy and simple
- Comprehensive image management software: > It can reserve, analyze and processing images, such as adjustment for amplification,luminance and contrast ratio, measurement, mark and comparison, etc. It's convenient for doctors to study by its abundant case atlases.



Parameters:

Image Acquisition System	
Acquisition mode	non-mydriatic/ mydriatic photograph; red free; eye's anterior segment photography; fundus fluorescein angiography (optional)
Angle of vision	42*(non-mysriatic)/50°
Working distance	42 mm
Requirement for pupil	23.3mm
Digital acquisition form	external SRL
Sensor	18 megapixels
Diopter compensation	± 15D
Anxiliary focus mode	double dot anxiliary focus
Others	
Size	500mm(L)x195mm(W)x540mm(H)
Weight	20.3Kg
Power supply	220V/50HZ/5A

Reticam 3000PLUS Non-mydriatic Automatic Fundus Camera



Features:

- Non-mydriatic, automatic focus and exposure.
- 10.1 inch touch screen, easy operation.
- Compact design with smaller computer host.
- Red-free, color, FFA and FAF are available.
- Powerful image process system.
- Expansion port indude DICOM、LAN. USB,
- build remote and AI platform easily.
- 2400Mega Pixel , present minor lesions

Parameters:

Image Acquisition System	Acquisition mode	Non-mydriatic/mydriatic Anterior photography (FFA) / (FAF)
	Field View	50°
	Working distance	35mm
	Minimum pupil size	≥3.3mm
	Focus Modes	Manual/Auto
	Alignment Modes	Double dots auxiliary
	Exposure modes	Manual/Auto
	Photography	SLR Camera
	Image definition	24 megapixel
	Diopter compensation	-/+25D
	Base Movement	Front/Back: 60mm; Right/Left: 100mm; Up/Down: 30mm
	Left/Right angle	Left/Right 30°
	Pitch Angle	Up: 15° , down: 12°
	Fixation	External/Internal (any position available)
	Screen	10.1 inch touch screen
	DICOM 3.0	Support
	Powerful software	Image process; Auto mosaic; Follow-up; LAN, FTP transport ;
Other	Size	370mm(L)x520mm(W)x600mm(H)
	Weight	35Kg
	Power supply	100 ~ 240V 50/60Hz 200VA

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 Ultrahigh 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	5184x3456	
Monochrome Image Resolution	1360x1024	
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	

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



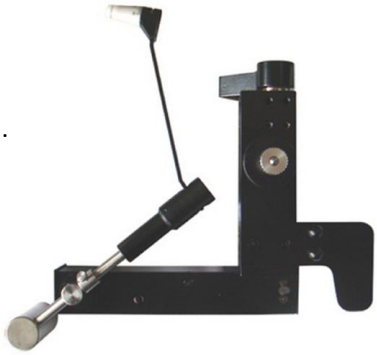
YZ-30R



YZ-30T

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 tolerance 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.



SK-R Digital Applanation Tonometer

- High Accurate Design
- Digital Display + Mechanical Reading
- Kpa, mmHg Measurement Switching
- Measurement Data Locking
- Auto Sleep
- Over limit Alarm



Parameters:

Measurement Range	0-80mmHg (0-10. 64kpa)
Digital Display Accuracy	≤0.1mHg
Measurement Accuracy	≤0.49mN (0. 066kpa) or amounts to a max imum of ±1.5% of the nominal value

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)

SK-5000A/SK-5000B Non Contact Tonometer



Features:

- Touch lightly, 3D automatic intraocular pressure measurement for both eyes
- Air jet test: after the machine is turned on, check whether the measuring system of the instrument works normally
- Safety limit: it can avoid the contact between the air jet mouth and the patient's eyes. When the air jet mouth is too close to the patient's eyes, the buzzer will give an alarm
- It can monitor intraocular pressure dynamically 24 hours, and print it on the same report sheet with intraocular pressure data

Parameters:

Display	7" 1024 * 600 color touch screen Support up and down 180 left and right 60 turning
Fixation lamp	1 internal fixation lamp (green LED); 2 external fixation lamps
Measuring head moving range	Up and down stroke: 45mm, left and right stroke: 90mm, front and back stroke: 40mm
Lifting range of lower jaw drag	68mm
Working distance	11mm (calculated from the front of nozzle)
Measurement accuracy	1mmHg (0.133Kpa)
Measuring range	0-60mmhg (0-8kpa} (including free switching between 30 | 60mmhg)
Power Supply	AC100-240V，50/60HZ
Ambient temperature	50°
Scope of operation	16mmx10mm
Printer	Built in thermal printer
Data storage	Internal memory card + optional external USB memory
Networking	DICOM3.0
Measurement mode	Fully automatic/automatic/manual
Operating system	Embedded system
Mobile platform	Fully automatic platform I manual platform
Data input and output	Input: USB; output: LAN/ RS232C
Focusing mode	3D full auto focus/manual focus
Jet detection	After power on, check whether the measuring system of the instrument works normally
Safety limit	Support
Intraocular pressure measurement	Each eye was measured three times continuously, and the average value was calculated Normal intraocular pressure range: 1021mmhg (1.33kpa 2.80kpa)
Corneal thickness measurement	Each eye was measured three times continuously, and the average value was calculated Normal corneal thickness: about 550um
Full automatic measurement	Press the measurement button to complete the intraocular pressure test automatically
24-hour dynamic intraocular pressure measurement	It can monitor intraocular pressure dynamically 24 hours, and print it on the same report sheet with intraocular pressure data
Printing	Data can be printed directly after measurement
Storage	10 sets of measurement data can be stored
Data export	Can be exported to PDF or JPG format

NCT-100 Non Contact Tonometer

Features:

➢ Auto tonometer utilizes image control and feature recognition for auto 3-D positioning of XYZ with reliable judgment and measurement results, and easy to operate. The air non-contact approach to measure I0P can also be used for corneal thickness



➢ Performance Features:

1. Auto 3-D positioning of XYZ results in precise and reliable measurement.
2. Full-auto measurement for both right and left eye data without manual switch.
3. Easy to operate the tonometer with color touch monitor.
4. Stable data of I0P through soft air measurement.
5. To compensate corneal thickness measurement of IOP.

Parameters:

Intraocular pressure (IOP) measuring range	1mmHg~ 30mmHg /1mmHg ~60mmHg (precision of 1mmHg)
Measuring system	dual sensor system of light and pressure
Working distance	⩾11mm
R/L	automatic detection and display
Measuring result	10 times per eye; 3 times result printing per eye
Recording	build-in printer
Measuring mode	auto/manual
Focus	when luminous spot is in the focus frame, 2 modes can be chosen. auto mode: auto intraocular pressure measurement manual mode: when it's good focus, the frame will turn yellow into green, and click to start the measurement
Error indication	if the measurement signal is weak, the IOP will be enclosed by (),or display ”ERR "
Safety limit button	install measurement for minimum distance between head and patient
Safety functions	the distance between air nozzle and cornea is controlled in preset range(such as 11mm); it will stop going forward when the cornea is too closed to air head.
Movement range	2 30mm(front to back)/ 90mm(left to right)/ 30mm(vertical)
Jaw layer vertical movement	0~ 65mm with under jaw layer
Display mode	10.1-inch HDMI color LED touch monitor
Output port	USB2.0
Working platform	electric elevating platform

HNT-7000 Non Contact Tonometer

Features:

AUTO TRACKING: Only a button needs to be pressed to align, focus and puff the both, left and right eyes.
USER FRIENDL Y INTERFACE: User friendly icons provide you with an easier operation environment.
SMART PUFFING CONTROL: Soft puffing maximizes patient comfort. The puffing is automatically regulated after the measurement if needed.
CORNEAL THICKNESS COMPENSATION: For more precise tonometry, corneal thickness values of patient can be inserted to get compensated and accurate data.
5.7” TOUCH COL .OR TFT LCD: High-resolution touch LCD screen with 0 to 90 degree tilting function provides you easy and effective operation for any condition given.
SAFETY STOPPER: A safety sensor is implemented to avoid any contact with the nozzle and patient eyes.
MOTORIZED CHIN REST: With just the touch of a button, the unit is aligned, focused and puffs both the left and right eyes
INTEGRATED PRINTER: The measured data can be easily printed out by the integrated printer.
DATA TRANSMISSION: The measured data can be transmitted through the RS-232 port to PC.
POWER SAVING FUNCTION: ldling time can be set for automatic power saving mode.



Parameters:

Type	Non contact type
Measurable range	0 to 60mmHg
Measuring increment	1mmHg
Working distance	11mm from the front of nzzle
Alignment mode	Full auto (R/L Shift, Alignment, Focusing, Puffing) Semi auto (Alignment, Focusing, Puffing) Manual
Interface	RS232C
Power saving system	Available
Display	5.7-inch Color TFT LCD (0~90 Tiltable)
Printer	Thermal line printer
Power supply	AC100-240V, 50/ 60Hz
Power consumption	80VA
Operating range	Front / Back : 40mm; Left / Right: 90mm; Up/ Down : 30mm
Dimensions	294(W) x 510(D) x 462(H)mm
Weight	20.5kg (45.2 Ibs.)
Accesories	Main unit 1 ea, Chin rest paper 1 pack
	Printing paper 1 roll, Power cable 1 ea
	Dust cover 1 ea, Operation Manual 1 ea

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.



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

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 m^3,5 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.



Specifications

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.

- 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.

Specifications:

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



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 Assistant Microscope	6×,10×,16×
Diameter of Field	F4646+46mm~F8.58.588.58mm
Adjustable Diopter	±7D
Magnification for Main Microscope	4.6×~27× motorized and manual control continuous magnification
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 ~ 75mm
Magnification for Assistant Microscope	4x
Diameter of Main Microscope Field	Φ27.5mm
Illumination Type	0° coaxial lighting(optional:optional: Xenon illumination and double bulbs convert)
Illumination Source	8V/50W imported Halogen lamp
Maximum illuminance of the object surface	30000LX
Fine-tune up-down range	40mm
Balanced frame	
Bracket lifting range	Spring arm adjustment range 250mm
Motorized fine-tune up-down speed	2.5mm/s(motorized up-down by foot control)
Adjustable range:	Horizontal +/-180°
maximum gyration radius of the cross arm	800mm
Voltage	AC220V±10%V/50Hz±1Hz

It can be used in ophthalmic cataract, glaucoma and simple microsurgery operation

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 step-less 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

20D 78D 90D Retina Lens







Three-mirror Lens



Single-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

YZ-11 Ophthalmoscope

Features:

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

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-6H 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).



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).



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.



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



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



Two handles two heads



One handles two heads

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

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	250x200x110mm

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

Illumination form	Large light spot(3.2mm), Medium light spot (2.5mm), Small light spot(1.6mm), Semi 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 Ophthalmoscope



Features:

- Smart, portable for mobile inspection.
- Dry Cell, compact, pocket friendly size
- Mini packing case, convenient for carrying

Parameters:

Illumination	large light spot,small light spot, slit, central-net, red free filter.
Diopter compensation	0, ±1D, ±2D, ±3D, ±4D, ±5D, ±6D, ±8D, ±10 D, ±12D, ±16D, ±20D, -25D
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.)

Working Distance	1m
Illumination bulb	3.6V/2.7W halogen bulb
Streak Rotation	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

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



Diagnostic Set Combination



KJ6B&KJ8B



KJ8C&KJ10C

468-4310 Rechargeable Ophthalmoscope + Rechargeable Retinoscope+Fiber Optic illuminators



3.5V Coaxial Ophthalmoscope Halogen Bulb 410-0010 (**LED Bulb optional**)	*Coaxial optics enable easy entry into undilated pupils for more accurate diagnoses, while two filter selections provide optimum light levels for entering healthy eyes and those with cataracts. *Coaxial optics enables easy entry into undilated pupils through precise lamp filament and optical alignment *3.5V Halogen lamp provides light output for true tissue color and consistent, long-lasting illumination *28 lenses from 0D, ±1D, ±2D, ±3D, ±4D, ±5D, ±6D, ±7D, ±8D, ±9D, ±10D, +12D, ±15D, ±20D, -25D, +40D. *18 unique aperture / filter combinations for greater versatility.
3.5V Streak Retinoscope: Halogen Bulb 418-0012 (**LED Bulb optional**)	*3.5V Streak Retinoscope is designed exclusively to determination of the refraction of the eye. The streak retinoscope is found by most practitioners to be easy to use, fast, accurate, and especially valuable in determining the axis of astigmatism. *Multi-coated optics *A single control sleeve for vergence and rotation, Comfortable operation. *Totally dust proof, maintenance free *The lowest position gives a divergent beam. *Superior streak quality enables easier and quicker refractions even in patients with small pupils *The powerful, bright bulb ensures easy recognition of neutralisation. *Fixation Cards for dynamic retinoscopy
3.5V Fiber Optic illuminators: Halogen Bulb 472-0010	*Halogen bulb or **LED provides light output** *Fiberoptics for optimal beaming and transmission of the light *Fully sterilizable with steam, water, gas or solutions *Bulb: T3100 or T3100-LED
Li-ion handle 3.5V	490 Metal rechargeable handle, with integrated Li-ion battery USB connector and USB cable
Bag	Ziper case

Rechargeable Ophthalmoscope + Fiber Optic Otoscope + Fiber Optic illuminators

468-4110: Rechargeable Ophthalmoscope + Fiber Optic Otoscope + Fiber Optic illuminators
468-4100: Rechargeable Ophthalmoscope + Fiber Optic Otoscope



3.5V Coaxial Ophthalmoscope Halogen Bulb 410-0010 (**LED Bulb optional**)	Coaxial optics enable easy entry into undilated pupils for more accurate diagnoses, while two filter selections provide optimum light levels for entering healthy eyes and those with cataracts. *Coaxial optics enables easy entry into undilated pupils through precise lamp filament and optical alignment *3.5V Halogen lamp provides light output for true tissue color and consistent, long-lasting illumination *28 lenses from 0D,±1D,±2D,±3D,±4D,±5D,±6D,±7D,±8D,±9D,±10D, +12D,±15D,±20D, -25D, +40D. *18 unique aperture/filter combinations for greater versatility.
3.5V Fiber Optic Otoscope： Halogen Bulb 461-0010	*>2.0x maginification *Compatible with a 3.5V Halogen bulb or a 3.5V LED bulb. *Sealed system for pneumatic otoscopy and accurate diagnosis of otitis media. *Swivelling Wide-angle viewing lens allows for instrumentation under magnification. Include 2.7mm and 4.2mm reusable ear-specula 5 for each, without handle
3.5V Fiber Optic illuminators： Halogen Bulb 472-0010	*Halogen bulb or **LED provides light output** *Fiber optics for optimal beaming and transmission of the light *Fully sterilizable with steam, water, gas or solutions *Bulb: T3100 or T3100-LED
USB metal handle with Lithium ion rechargeable battery for all 3.5V instruments(1) 490-0015	*High-quality metal construction for strength and durability *Automatic connector: Quick,safe connection, fitted all 3.5V head. *Rheostat: stepless brightness control *Rechargeable lithium battery can be replaced after a long time *Use mobile USB adapter to charger the handle
Bag	Ziper case

418-1112 Rechargeable Retinoscope



3.5V Streak Retinoscope：Halogen Bulb 418-0012 (**LED bulb optional**)
489 3.5V Lithium lion Rechargeable Handle
Charger: DT801 Desk Charger, for 489/490 handle, with 12V Power adapter

DR-1900 Ophthalmoscope + Rechargeable Retinoscope

Features:

- 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.

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



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 (length × width × height)
Weight of Main Part	230g

APS-6000BER Visual Field Perimeter



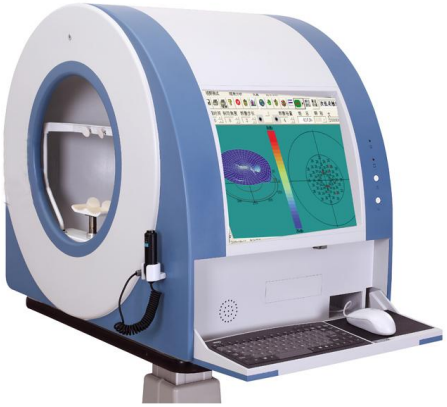
Features:

- 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, gray 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



Parameters:

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!	

BIO-1000 Visual Field Perimeter

Features:

The BIO-1000 automated perimeter absorbs the advantages of international advanced perimetry devices. It comprises the highly integrated computer, optics, machinery and electronics systems. Incorporated with the advanced configuration, comprehensive software inspection categories, and strictly in accordance with international Goldman standard, it provide scientific means for glaucoma, fundus disease, visual pathway injury and neurological diseases.

Technical Features

- Comprehensive real-time monitoring, heiji-krakau physiological blind spot monitoring, gaze tracking/head position tracking, automatic measurement of pupil diameter, reduce the impact of pupil effect on visual field detection.
- Personalized design, accurate clinical analysis, accurate and rapid examination strategy.
- Under international Goldman standard, providing a variety of classic test procedures and report analysis



Parameters:

Model	BIO-1000
Inspection range	90°
Inspection distance	30CM
Background light brightness	White 31.5 asb
Visual Target Brightness	1asb-10000asb
Visual Target Size	Goldmann Ⅲ
Vision Target Interval time	200ms
Visual Target Interval time	Standard or adjustment according to patient reflection
Threshold test model	Center 5°-16, center10°-68, 24-2, 30-2, 30°-60°, nasal step
Upper Threshold test model	30°-40,30°-76, P-60, 60°-81, 60°-120,1 90°-135 nasal side
Special detection strategy	Esterman monocular, Esterman binocular, user- customized test, 150° driver monocular fast detection, 150 driver monocular standard detection, upper 36° detection, blind spot detection, 150° horizontal straightness detection
Pupil size test	Automatic
Fixation monitoring	Blind spot monitoring, eye position eye position deviation alarm, eye deviation curve
Environment light detection	Automatic
Analysis Software	Reliability analysis, single vision report, triple vision report, GPA half vision analysis, GPA glaucoma developing analysis, VFI vision index analysis
Operation system	Win7 above
Others	
Power	100-240V，50-60Hz
Note: with development of technology, specifications and design are subject to change	

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:

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	Ⅰ Grade Ⅱ Grade ⅢGrade ⅣGrade Ⅴ Grade
(Goldmann Standard)	
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 mansingle see, 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 deviation probability map, chart pattern deviation decibels, Pattern deviation probability plot, staring Figure

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:

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 interval time	≥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-850AS/SK-850AE Visual Field Perimeter



Parameters:

Model	SK-850A Standard with touch screen system	SK-850A Expert 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	Heijl/krakau blind spot monitor
	Video eye monitor	Video eye monitor
	Head tracking	Head tracking
	Gaze 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	SLE/SLF/SLH	SLE/SLF/SLH	SLE/SLF/SLH	SLE/SLF/SLH
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 magnification, which give you good field of view and depth of focus.

Order Code	SLE/SLF/SLH	SLE/SLF/SLH	SLE/SLF/SLH	SLE/SLF/SLH
Magnification	3.0×	3.0×	3.0×	3.0×
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	SLE/SLF/SLH	SLE/SLF/SLH	SLE/SLF/SLH	SLE/SLF/SLH
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

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"

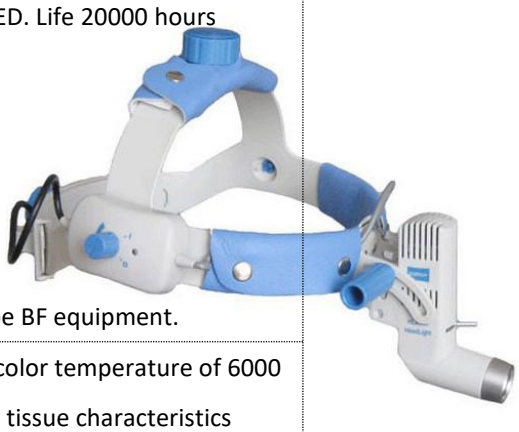
Magnification	Working distance	Field of view
3. 0x	340mm/13"	40mm/1.6"
3. 0x	420mm/17"	46mm/1.8"
3. 0x	460mm/18"	50mm/2.0"
3. 0x	500mm/20"	54mm/2.1"

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



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.	
* 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	
* Smart design, convenient for mobile diagnosis.	



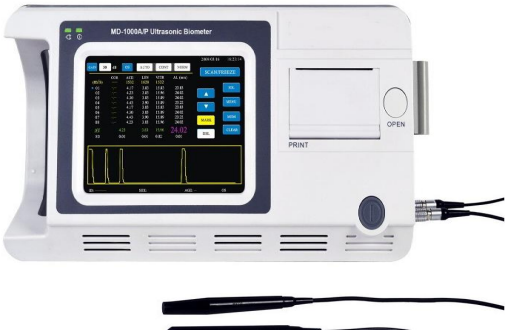
HL8300 Headlight

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



MD-1000P 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 calculate

Parameters:

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

OD1-A/P Ophthalmic Ultrasound A Scan & Pachymeter

Features:

- 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.

uilt-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.



Parameters:

A-Scan	10MHz red-light A scan probe	
	Resolution	0.01 mm
	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
	I0L formulas	SRK-II,SRK-T,BINKHORST, HOLL ADAY, 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 10.0MHz A probe Gage block for A-Scan/Biometer Power adapter Touch screen pen	Main unit 20.0MHz angled probe Gage block for Pachymeter Power adapter Touch screen pen	Main unit 10.0MHz A probe 20.0MHz angled probe Two kinds of Gage blocks Power adapter Touch screen pen

SW-1000A/P Ophthalmic Ultrasound A Scan & Pachymeter

Features:

- A scan has the macular recognition function, can measure the axial length, anterior chamber depth, lens thickness accurately, as well as the intraocular lens calculation
- Pachymeter has the central area and the peripheral areas gain automatic compensation capability, accurate measurement of the central and peripheral corneal thinckness.It is widely used in the preoperative examination and postoperative effect evaluation of the refractive surgery.



Parameters:

A-Scan	A scan probe: 10MHz import small size probe, built-in luminotron	
	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-ll, SRK-T, BINKHORST-II, HOLL ADAY,HOFFER-Q, HAIGIS
	Storage	10 cases, 5 readings each case
	Output	A scan waveform and IOL calculation sheet
	Enter the name & ID; easy to check archive	
Pachymeter	20MHZ, angle of 45 degrees makes easier operation	
	Resolution	5um
	Measurement range	150um~1500um
	Display	Display
	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	
Others:		
Large color liquid-crystal screen Touch screen input, easy operation Curve freezing: Manual/Auto mode, controlled by pedal Built-in speed themal printer		

SK-2000A/P Ophthalmic Ultrasound A Scan & Pachymeter



Parameters:

Technical Specifications	Parameter	Instructions
Frequency	A Scan: 10MHz Pachymetry: 20MHz	20MHz for Cormeal Thickness
Resolution	≤0.05mm	For Axial Length
	≤0.01mm	For Corneal Thickness
Total Gain	96db	
Measurement Range	≥60mm	
Display	6.5-inch color LCD Touch Screen	
Display Resolution	≤0.01mm	
Spread Velocity	Sound Velocity1641,1532	
Data Output	Cornea, ACD, Lens, Vitreous, Axial,	Velocity selectable for different segments
Data Groups	10 groups	Average & Deviation
IOL Formulas	SRK-T, Hollady, Hoffer Q, SRK-2, Binkhorst II ,Haigis	6 Most common used
Examination Modes	Phakic, Dense, Aphakic, PMMA, Silicone, Acrylic	Auto & Manual
Examination Methods	Direct Contact &Immersion	Cup Prague
Database	100	
Print	Thermal Printer Embedded	
Voltage	AC.100 - 240V 50/60Hz	

CAS-2000BER Model A Ophthalmic A/B Scan

Features

- USB 2.0 compatible.
- Ultrasonic videoing workstation
- B ultrasonic image dynamic playback
- B ultrasonic videoing gray 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 annual:	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 gray 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 annual:	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

SAB-500 Ophthalmic A/B Scan

Features

SAB-500 A/B Scan with normal, vitreous body enhancement, retina observation mode, mainly used for diagnosis of intraocular diseases, display the location, shape range of the focus of infection and the relationship with the surrounding tissue. Can be diagnosed vitreous opacity, retinal detachment, eye base tumors etc. eye diseases. A scan is used to measure anterior chamber depth, lens thickness, axial length, calculate diopter of implant IOL as well.



Parameters:

A Scan		B Scan	
Frequency	10MHz, with LED	Frequency:	10MHz/20MHz (optional), Magnetic driven, noiseless
Depth	40mm	Scanning Mode	Sector Scanning
Precision	±0.05 mm	Magnify	Multicontinuous magnification, Real-Time magnification
Measurement	Anterior chamber depth, lens thickness, vitreous body length, total length and average	Resolution	Lateral ≤0.3mm; Vertical ≤0.2mm
Eye mode	Phakic / Aphakic / Dense / Various IOL	Geometry position precision	Lateral ≤10%; Vertical ≤5%
IOL Formula	SRK-II, SRK-T, HOFFER-Q, HOLLADAY, BINKHORST-II, HAIGIS	Depth	60mm
Stat. Calculation	Average and standard deviation	Enhance the part of vitreous body and retina	
Store	10 Scanning results for each eye	Gain of probe	30dB-105dB
Display Mode	B, B+B, B+A, A	Scanning Angle	53°
Hint	preset keyword	Gray Scale	256
Case Search	Multi-keywords	False Color	Multi colors. OCT
Screen	15 inch LCD	Measurement type	multigroup distances, perimeters and areas
Built-in battery	can use 4 hours	Image post processing	multiple curves processing, Pseudo-color processing curve
User-defined report template poor credit secured loans		Movies	100 images movie review, AVI JPG format image output

ODM-2100 Ophthalmic Ultrasound 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



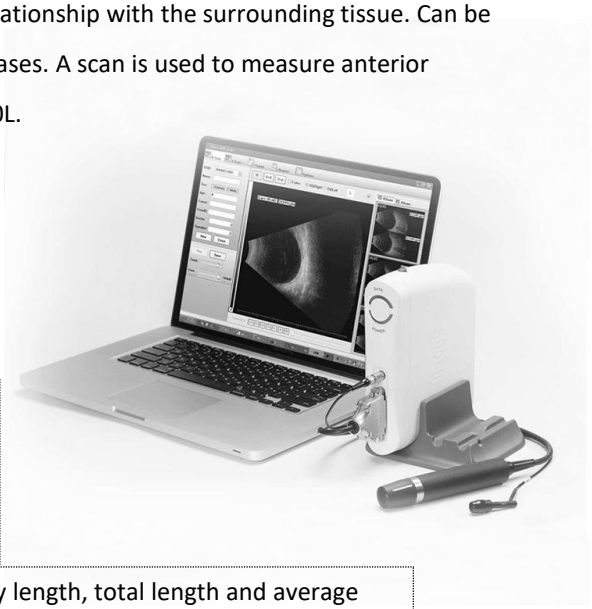
Parameters:

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 Group' 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	

SW-2100 Ophthalmic Ultrasound A/B Scan

Features:

AB 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 surrounding tissue. Can be diagnosed vitreous opacity, retinal detachment, eye base tumors etc. Eye diseases. A scan is used to measure anterior chamber depth, lens thickness, axial length, and calculate diopter of implant I0L.



Parameters:

A scan	
Frequency:	10MHz (imported Mini Probe, with LED)
Precision:	±0.05 mm
Measurement	Anterior chamber depth, lens thickness,
Measurement:	AL, ACD, L, V and the average vitreous body length, total length and 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
B scan	
Frequency:	10MHz ,Magnetic driven, noiseless
Scanning Mode:	Sector Scanning
Magnify:	Multi continuous magnification,Real-Time magnification
Resolution:	Lateral ≤0.4mm;Vertical≤0.2mm
Depth:	60mm
Gain of probe	30dB-105dB
Scanning Angle:	53°
Gray Scale:	256
False Color:	Multi False colors. OTC False
Measurement type	Multi-group distances, perimeters and areas
Image post processing	multiple curves processing, Pseudo-color processing curve
Movies:	100 images movie review,AVI ZIP JPG format image output
Other	
Display Mode:	B,B+B,B+A,A
Hint	preset keyword
Case Search:	Multi-keywords
Working Platform	Windows XP, VISTA, WINDOWS 7 etc
User-defined report	template

ODU5 Ophthalmic Ultrasound A/B Scan

Features:

- 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



Parameters:

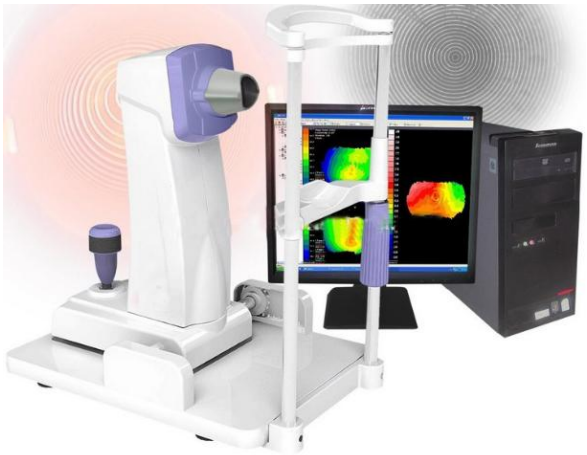
A scan	
Frequency:	10MHz with Fixation Red Light
Resolution	0.01mm
Accuracy	±0.1mm
Measuring Range	15~40mm
Measuring parameters	ACD, Lens, Vitreous body, AL
Measuring method	Contact and Immersion
Modes	Support Normal, Cataract, Aphakic and Special eye model
IOL Formula:	SRK-II, SRK-T, HOFFER-Q, HOLLADAY,BINKHORST-II, HAIGIS Save up to 100 group of results
B scan	
Frequency:	10MHz ,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
Standard configuration	10MHz Mechanical sector B probe 10MHz A probe Foot switch Network cable Workstation software

SW-6000 Corneal Topographer

Features:

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:

Measuring method:	Placido cone
Coverage Diameter	10.91 mm
Measuring range for curvature radius:	5.5mm-10.0mm
Diopter range:	33.75D-61.36D
Precision:	±0.02mm
Placido rings:	31 rings
Measurement points:	7,936 points
Display axial curvature map, tangential curvature map, elevation map, imitated keratoscope map and 3D cornea map	
Image output:	High-quality color inkjet printer
Adjust range:	left/right 86mm ; forward/backward 40mm ; up/down 30mm ; chinrest 5omm
Cornea contact lenses fitting function	
Keratoconus detecting function	
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 % (200 Ω)
Type:	Bipolar
Power preset between:	0 ~ 100%

MD-920 YAG LASER



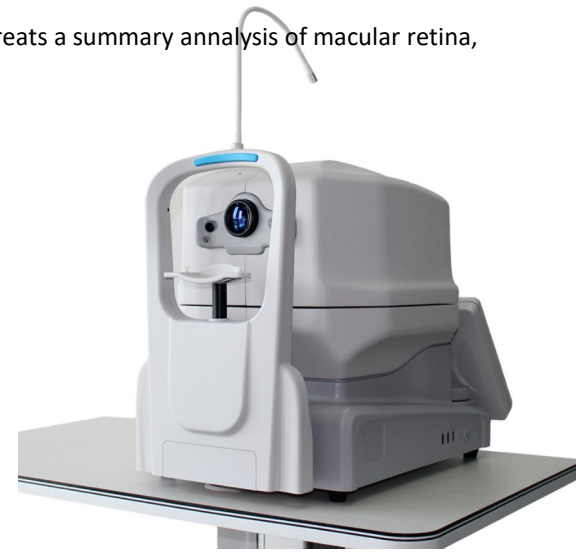
Parameter:

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

OCT-500 Optical Coherence Tomography

Features:

- Al-in-one design with optional larger external monitor guarantees an installation-free experience. Plug the power cable and power on the system, then you are ready to go.
- Fully automated operation with minimum human intervention. Smart pupil alignment, advanced signal optimization assure quality OCT images independent of operators.
- The small footprint and ll-in-one system fits in the smallest examination room. The flexible monitor locations allows various operator positions.
- Extremely easy to operate. Make for professionals without professional operators.
- High definition image and comprehensive analysis software
- Subtle lesion will be precisely identified via high resolution image
- With more than 4 scan mode on macular and optic part, the software creats a summary annalysis of macular retina, RNFL ,ONH. Progress analysis for follow-up examination is available.



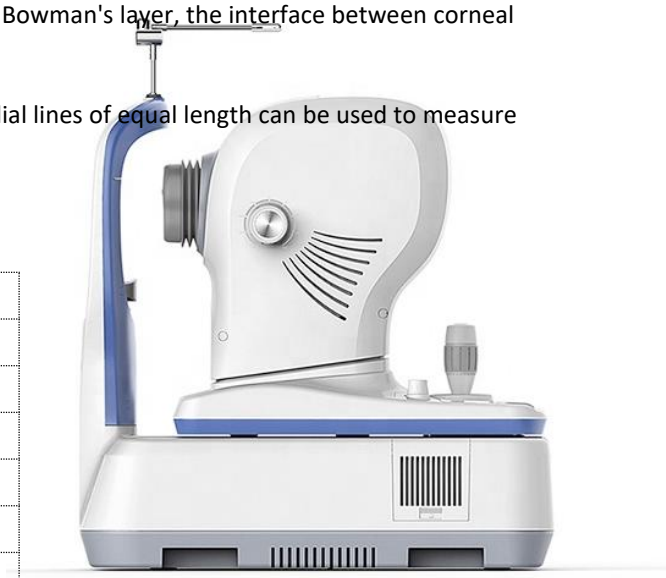
Parameters:

methodology	spectral domain OCT
axial resolution	≤6μm (in tissue)
Transverse resolution	≤20 (in tissue)
Scan depth	≥2.5mm (in air)
Scan range	6-12mm
Scanning Speed	≥24000 A-scan/sec, up to 36000 A-Scan /sec
scan modes	3D (Macular & Optic Disk), HD,Raster,Circle , Cross
Analysis mode	Up to 7 retinal layers segmentation, Macular analysis mode, RNFL & Optic Disk analysis mode, Glaucoma analysis mode and Progress analysis for follow-up examination.
Fundus image	OCT en face
Focus adjustment	-15D to+15D
PUPIL DIAMETER	≥3MM
OCT Light source	840nm SLD
Optical power	750μm (at cornea)
Operation	13.3" touch screen , optional external mouse and keyboard
POWER SUPPLY	100-240V 50-60HZ

OSE-2800 Optical Coherence Tomography

Features:

- For comprehensive glaucoma analysis, NEO SD-OCT offers two scan patterns, glaucoma cube scan in macular area and glaucoma cube scan in disc area. Evenly distributed sampling point with 200 x 200 A-scans provides reliable information for early glaucoma detection and management.
- Macular Six-line Radial: Have a glimpse of the retina via HD imaging and quick data analysis
- Macular Multi: Multiple HD cross- sectional images acquisition
- Macular Cube: A point by. point assessment of retinal thickness with a 500 x 100 dense cube
- High definition OCT imaging of the cornea enables localization of the Bowman's layer, the interface between corneal stroma and epithelium
- Anterior Six-line Radial: The anterior segment scanning through 6 radial lines of equal length can be used to measure the central corneal thickness



Parameters:

OCT IMAGING	
Methodology	Spectral domain OCT
Optical source	840nm (Light Center Wavelength)
Axial resolution (optical)	5 microns (optical), 2.7 microns (digital)
Transverse resolution	15 microns (optical), 3 microns (digital)
A-scan depth	2.1 mm
Diopter range	- 20 to + 20 diopters
Scan patterns	Macular: HD line scan (6 mm or 12 mm), 3D scan (6 mm x 6 mm), 6-line radial scan, Multi (X-Y:5x 5)
	Disc: 3D scan (6mm x 6 mm)
	Anterior: HD line scan (6 mm), 6-line radial scan
FUNDUS IMAGING	
Minimum pupil diameter	3.0 mm
Field of view	40° x 30°
SOFTWARE ANALYSIS	
Macular	Retina thickness analysis; 3D view; En-face analysis; Progression analysis; EDI function
Glaucoma	RNFL analysis; Ganglion cell analysis; Cup-disk analysis; Progression analysis; OU comparative analysis
Anterior Segment	Manual measurement; Corneal thickness analysis; Epithelial thickness analysis
Others	DICOM conformance; Remote viewer software available
ELECTRICAL AND PHYSICAL	
Weight	28.8 kg
Dimension	532mm(L)x360mm(W)x540mm(H)
Source voltage	AC 100-240V, 50Hz-60Hz
Power input	180 VA

OSE-4000 Optical Coherence Tomography

Features:

Macula Six-line Radial:Have a glimpse of the retina via HD imaging and quick data analysis

Macula Multi: Multiple HD cross-sectional images acquisition

Macula Cube: A point-by point assessment of retinal thickness with a 500 x 100 dense cube

Anterior HD line: High definition OCT imaging of the cornea enables localization of the Bowman's layer, the interface between corneal stroma and epithelium

Anterior Six-line Radial: The anterior segment scanning through 6 radial lines of equal length can be used to measure the central corneal thickness

VASC ANM OCT ANGIOGRAPHY NEW: Valuable OCTA for routine clinical practice Optical Coherence Tomography Angiography (OCTA) is a new non-invasive imaging technique that allows the detailed study of flow within the vascular structure of the eye without the need of dye injections.



- HD SLO + EYE TRACKING

Parameters:

OCT IMAGING	Methodology	Spectral domain OCT	
	Optical source	Super luminescent diode (SLD), 840 nm	
	Scan speed	80,000 A-scans/s	
	Axial resolution (optical)	5 microns (optical), 3.6 microns (digital)	
	Transverse resolution	15 microns (optical), 3 microns (digital)	
	A-scan depth	3mm	
	Diopter range	- 20 to + 20 diopters	
	Scan patterns	Macular: HD line scan (6 / 12 mm), 3D scan (6 mm x 6 mm), 6-line radial scan, Multi (X-Y: 5x 5) Disc:3Dscan(6mmx6mm) Anterior: HD line scan (6 / 16mm), 6-line radial scan	
FUNDUS IMAGING	Methodology	Line scanning laser ophthalmoscopy (LSLO)	
	Minimum pupil diameter	3.0 mm	
	Field of view	45 degrees	
VASCANTM OCTA MODULE	Scanning volume/area	VASCAN Advance	VASCAN Essential
		3mmx3mm 256x256 A-scans 6mmx6mm 360x360 A-scans 8mmx8mm 360x360 A-scans 12mmx8mm 540x360 A-scans	3mmx3mm 256x256 A-scans 12mmx8mm 540x360 A-scans
	Algorithm	C-OMAG	C-OMAG
	Segmentation options	Encoded, Vitreousretina Intrerface(VRI), Superfcial retina, Deepfcial retinal, Avascular, Choriocapillaris, Choriod, Custom	
	Quantitative analysis	Yes	Not available
	Dimension/Weight	532mm(L)x360mm(W)x540mm(H)/30.5kg	
	Source voltage	AC 100-240V, 50Hz-60Hz	
	Power input	90VA	

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	1.65X
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	±10△
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

SJG-800 Auto Lens Edger



Features:

Edging system
For fast edging all kinds of material of lens
Bevelling and polishing
All various of edging pressure for different lenses
On line function

Tracing system
Easy to use and maintain
Combined scan and lens layout into one
It will take only 0.5 second to finish the scan of lens
Real-time imaging helps to confirm center of lens
Automatically eliminate lens degree, prism
7 inch color touch screen with high resolution 1280x800
Synchronously connect 2 sets edging machine with one tracing machine

Parameters:

Edging Body	
Edging Mode	Beveling, Flat Edging, Grooving, Safety Beveling, Polishing
Clamping pressure	Third gear for choice
Lens	Glass, PC, CR, HI, HR, TC
Edging Size	22-80mm
Accuracy	Tolerance +/-0.01mm
Power Supply	AC110V/220V, 50/60HZ
Power	550W(Max)
Dimension	570x540x460mm
Weight	49KGS
Others	High-resolution 640x480, true color, 5.7 inch TFT LCD, lens photograph displayed as 1:1 and with use-friendly operating interface.
Tracer	
Dimension	240x180x130mm
ADD adjustment range	6mm
Weight	5KG
Power Supply	AC115V/230V, 50/60HZ
Touch screen	7 inch capacitive screen

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

SJG-1000AK Auto Lens Edger

Tracing system:

Set the optical scan, the center of positioning as one
It takes 0.5 seconds to get the frame shape of the frame
Real-time imaging guidance confirms whether the best center position is reached
Automatically eliminate the lens degree, prism and artificial parallax effect
High resolution 800*600 true color 7 inch touch screen
Simple operation, low failure, maintenance-free

Edging system:

Have auto bevel setting (you can choose multiple position of bevel position)
Glass, resin, space film and other materials of the lens can be processed.
rapid edging to be molding
Polishing sharp edge and flat edge
Various grinding pressure meet the demands of different lenses
On-line function

Parameters:

AUTO LENS EDGER	Dimension	680mmx460mmx450mm
	weight	60KG
	Voltage	AC 220v/110v 50/60Hz
	Power	550w
	size range	22-80mm
	Clamping pressure	Three gear adjustable
	Wheel diameter	90mm
	Touch screen	8 inch capacitive screen
AUTO LENS SCANNER	Dimension	230mmx370mmx200mm
	weight	5KG
	Voltage	AC 220v/110v50/60Hz
	Power	60w
	Screen tilt angle	20° -100°
	Touch screen	7 inch capacitive screen
	Quantity of connecting with the main machine	1 unit

ALE-1200/ALE-1200G 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/ALE-1200G(with Grooving Function)	
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

ALE-1600/ALE-1600G Auto Lens Edger

Features:

- 7 inch HD LCD touch screen Resolution 1024x600
- Data storage: The scan data can be saved when power down. and can store 500 template data.
- Data Change Form: The scanned shape could be changed freely (to zoom in or out from left to right from up to down. from lower edge. or to zoom in and out from axial position)
- The operation interface is simple and fast
- 3 seconds quick scan
- Review interface can input PD, PH conveniently.
- Precision, no-parallax optical scanner, optical center meter, with fast scanning speed, low failure rate
- Combined Scanner with center meter as one.
- Many different lens material can be satisfied: (PC, HI, HR, Glass)
- Have auto-bevel-setting and grooving (You can choose multiple position of bevel and grooving position)



Parameters:

Specification :	ALE-1600 Auto Lens edger
Dimension:	72.8*60*44.2cm
Package Dimension	86.5*81.5*78.5cm
Weight:	75kg
Power supply:	AC230V/50HZ ,or 115V 60HZ
Power:	1500W
Pump Voltage	AC230V/50HZ ,or 115V 60HZ
Pump Power	≤350W
Noise	≤75db
Environment Temperature	5℃-40℃

EC-3200 Auto Lens Edger+CT-700 Plus Auto Lens Scanner

Features:

- Flexible and versatile
- User-friendly color LCD panel
- Integrated tracing and centering device
- The display can be tilted
- The shape imager detects the shape of a pattern, demo lens and horizontal axis automatically
- The pattern could be stored to improve efficiency.
- Frame memory save time and storage space
- 3D lens inspection system
- Grooving and safety beveling
- Processing mode for various kinds of lens materials



Parameters:

EC-3200		
Processing system	Beveling, flat edging, grooving, polishing and chamfering	
	Auto mode and guide mode	
	Processing lens	glass, plastic, polycarbonate
	Processing pressure	approx. 4.5kg (fixed)
Wheels	Roughing wheel for glass lens	100mm in diameter, 17mm in width
	Roughing wheel for plastic lens	100mm in diameter, 17mm in width
	Finishing wheel	100mm in diameter, 23mm in width
	Polishing wheel (for flat edge)	100mm in diameter, 12mm in width
Water supply system	Pump circulation	AC 100-230V
Processing accuracy	Size accuracy	±0.05mm
	Axis angle	±1"
Whole system	Display	5.6"LCD Touch screen
	Dimensions	520mmX485mmX330mm
	Weight	-45Kg(only main body)
	Power supply	110/220V 50/60Hz
	Power consumption	1.2KVA(max. during processing)
CT-700		
Whole system	Measurement time	<3S
	Measurement accuracy	<0.1mm
	Display	8"LCD Touch screen(800X600)
	Dimensions	415X260X236mm
	Weight	9kg(only main body)
	Power supply	110/220V 50/60Hz, 25W

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

Features:

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:

Specification :	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+2.0 / LE+3.0 Auto Lens Scanner

Features:

- The new LE+ series patternless edger has the functions of beveling,flat edge, grooving safety bevel(LE+3.0 only) and polishing.The all-in-one design not only saves spaces, but also max imize efficiency and benefits our users.
- Intelligent Edging: Automatically optimize edging speed and pressure on lens edge according to lens shape and thickness, finishing the job faster without compromising edging accuracy.
- Precise Fitting: Ensure lens of all kinds of material perfectly fitting with the frames with precise size control and shape modifying functions.
- Outstanding Performance: Intuitive operator's interface, advanced data processing technology and customizing options make the edger very easy to use.



Parameters:

optical tracing	Fully automated 3D optical tracing,auto recognition of lens shape and frame level
Centering	Parallax free, supports centering for almost all kinds of lenses
Centering assistance	Geometrical center, optical center or customized
Shape modification	Pattern magnifying and minifying and shape modifying
Data storage	500 jobs
Lens material	PLA, PC, Trivex and Hl lens.For lens with special material or coating,the edger mode is customizable to ensure edging precision
Lens tracing	3Ddynamic tracing
Finishing	Bevel: Graphic preview, bevel position manually adjustable Grooving: configurable groove depth and width
	Safety-bevel: front or rear surface safety bevel optional, small or big safety bevel configurable(LE+3.0 only)
	Polishing: flat polishing and bevel polishing
Minimum edging diameters	Flat 17.5 mm, bevel 19.1mm, grooving 18.5 mm(according to blocker disc) , safety-bevel 21 mm
Maximum edging diameter	80mm
Screen	7-inch color touch screen
Size	728*600*442mm
weight	75kg
Power supply	230V AC,50/60 Hz,or115V AC,50/60 Hz1340 VA

HPE-410 Auto Lens Edger



Parameters:

Edging Body	
Edging System	Automatic
Edging Mode	Beveling, Flat Edging, Grooving, Safety Beveling, Polishing
Lens	Glass, Plastic, High Index Plastic, Poly Carbonate, Trivex
Edging Size	Max: 90mm Min: 18mm
Weight	45kg
Power Supply	AC110V/220V, 50/60HZ
Power Consumption	1200W(Max)
Dimension	570x540x460mm
Others	High Brightness Wide TFT LCD Adopted, Bar code system Available, Networking System
Tracer	
Dimension	280x300x230mm
Tracing System	3D Binocular
Weight	8KG
Power Supply	AC110V/220V, 50/60HZ
Power Consumption	42W(Max)

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	
Size:	51Lx49Wx40H	
Weight:	49kg	
Voltage:	220v ±10% 50Hz	
Power:	500w	

LE-310P Auto Lens Edger



Parameters:

Technical Specification	
The size of diamond wheel	PC wheel 100x16 glass wheel 100x14
	V groove wheel 100 x23 polishing wheel 100x11
Available lens range	22mm~100mm
The processing type	Pointy edges, plat band, bevel polishing
The lens material	CR, glass pc
Size	510lx490wx400h
Weight	49kg
Voltage	Voltage 220v ±10%frequency 50hz
power	500w

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:	51Lx49Wx40H	
Weight:	49KG	
Voltage:	220V 50Hz	
Power:	500W	

LE-400 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::	51Lx49Wx40H	
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::	53Lx50Wx40H	
Weight:	50kg	
Voltage:	220v ±10% 50Hz	
Power:	500w	

LE-620 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*14
	V Wheel:	100*23
	V Polishing wheel:	100*19
Available lens range:	22mm-100mm	
The processing type:	pointy edges, plat band, flat and bevel polishing	
The lens material:	CR, Glass, PC	
Size:	53Lx50Wx40H	
Weight:	50kg	
Voltage:	AC100-240V (50/60Hz)	
Power:	500w	

SJG-6500 Auto Lens Edger



Features:

SJM-2008 Auto Lens Edger

Features:

- 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

Parameters:



Processing Lens:	PC Lenses, Glass Lenses, CR Lenses
Edging Diameter:	22mm-100mm
Adjustable range	-0.6~0.6mm
Power Supply:	110v-220v, 60hz-50hz AC 420W
Working Temperature:	5-40°
Dimension:	51X49X40
Weight:	49kgs
Water Supply:	Circulating Water

SJM-2009 Auto Lens Edger



LG-7-20/LG-7-35W/LG-7-35WV Hand Edger/Hand grinder

20	width20mm,normal rough grinding
35W	width35mm,right rough grinding 16mm,left fine grinding 19mm
35WV	width35mm,right rough grinding 16mm, left fine grinding 19mm, groove
Dimension	35x23x22mm, 5KG
Power	110V/220V AC 10W, 60HZ/50HZ



LG-5B-20/LG-5B-35W/LG-5B-35WV Hand Edger/Hand grinder

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

	LG-5B-20	LG-5B-35W	LG-5B-35WV
Grinding wheel size	100x20x14mm	100x35x14mm	100x35x14mm
Rough grinding:	180#	180#	180#
Fine grinding:	No	240#	240#
Groove grinding	No	No	320#
Electric Voltage:	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz
Power:	120W	120W	120W
Weight:	5.5kg	7.8kg	7.8kg
Dimension:	41(L)x27(w)x28.5(H)cm	41(L)x27(w)x28.5(H)cm	41(L)x27(w)x28.5(H)cm





LG-5E-20/LG-5E-35W/LG-5E-35WV Hand Edger/Hand grinder



Features:

- For an optical glasses shop in Resin, acrylic and PC lenses edging, trimming, polishing.
- Single 20mm grinding wheel, 35mm wheel for Rough grinding and fine grinding, and 35WV for grooving
- DC motor, Double-wheel holder

Parameter:	LG-5E-20	LG-5E-35W	LG-5E-35WV
Grinding wheel size	100x20x14mm	100x35x14mm	100x35x14mm
Rough grinding:	200#	180#	180#
Fine grinding:	No	280#	280#
Groove grinding	No	No	320#
Electric Voltage:	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz
Power:	120W	120W	120W
Weight:	4.5kg	4.8kg	4.8kg
Dimension:	41(L)x27(w)x28.5(H)cm	41(L)x27(w)x28.5(H)cm	41(L)x27(w)x28.5(H)cm

CP-11A-20/CP-11A-35W/CP-11A-35WV Hand Edger/Hand grinder



Features:

- Double-wheel holder, big power
- New model, nice shape
- 20mm grinding, 35mm width grinding, rough/fine/groove grinding all available

Parameter:	CP-11A-20	CP-11A-35W	CP-11A-35WV
Grinding wheel size	20mm	35mm	35mm
	AC Motor	AC Motor	AC Motor
Electric Voltage:	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz
Power:	120W	120W	120W
Weight:	9.0kg	9.0kg	9.0kg
Dimension:	49(L)x29(w)x30(H)cm	49(L)x29(w)x30(H)cm	49(L)x29(w)x30(H)cm

NH-100 Hand Edger/Hand grinder

Features:

- Original appearance design
- Good adding and draining water system
- Push selector switch to change the rotating direction.
- Good grinding effects: smooth and fine.
- Non-visual removable water tank
- Computerized socket / revisable switch



Parameters:

100	Large surface fine grinding
100W	Rough, fine grinding
100V	Fine grinding with V groove
100WV	Rough grinding with V groove (one side), fine grinding(other side)

NH-35WV Hand Edger/Hand grinder



Parameters:

35W	Width:35mm, right rough grinding16mm, left fine grinding 19mm	Rough grinding: 180# fine grinding 240#, 280#, 320#(Optional)
35WV	Width:35mm, right rough grinding 16mm, left fine grinding 19mm, edge trimming.	Rough grinding: 180# fine grinding 240#, 280# 320#(Optional)
35V	Width:35mm, large surface fine grinding, edge trimming.	Graduations: 240#, 280#, 320#(Optional)
30V	Width:30mm,large surface fine grinding, edge trimming.	Graduations: 240#.280#, 320#(Optional)
30	Width:30mm,large rough grinding and fine grinding.	Graduations: 180#, 240#, 280#, 320#(Optional)
20	Width:20mm,normal rough grinding.	Graduations: 180#, 240#, 280# 320#(Optional)

LG-316 Hand Edger/Hand grinder

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.
- If need 110V voltage supply, unit price add 10USD



Parameters:

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

CP-6A Hand Edger/Hand grinder

Features:

- Non corrosive machine body.
- Suitable for plastic and glass lenses.
- Adjustable groove position (front-central-rear)
- High speed rotating 3 wheels operating together, rough, fine, grooving grinding with a special lamp, convenient operating



Parameters:

Weight:	8kg
Voltage:	AC 220V/50Hz, AC 110V/60Hz
power consumption:	120W
Dimension:	39.5 X 24.5X 29.5cm
Motor:	Three wheels, AC Motor

Hand edger/Hand grinder

LG-316A/LG-316B Hand Edger/Hand grinder





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.

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

CP-20B Hand Edger/Hand grinder



Wheel	2 wheels
Weight:	18kg
Voltage Requirement:	110V/220V
Power	AC200W
Dimension:	580L)x480(w)x420(H)mm
	Plastic body

LG-5D-35WV Hand Edger and Polisher

Features:

- 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.



Electric Voltage:	220V/50Hz or 110V/60Hz, 100W
Wheels	Polishing wheel, 35mm of rough grinding, fine grinding, edge groove
Dimension/Weight:	39.5(L)x24.5(w)x30(H)cm, 8kg

LG-6B/LG-6BT Frame Heater

	LG-6B	LG-6BT
Electric Voltage:	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz
Power:	450W	450W
Temperature limit:	70°C-130°C	70°C-130°C
Weight:	1kg	1kg
Dimension:	31(L)x14.5(w)x19(H)cm	31(L)x14.5(w)x19(H)cm
Temperature	adjustable	Temperature and speed adjustable with knob



LG-6D/LG-6E/LG-6C Frame Heater

	LG-6D	LG-6E	LG-6C
Voltage:	220V/50Hz, 110V/60Hz	220V/50Hz, 110V/60Hz	220V/50Hz, 110V/60Hz
Power:	450W	450W	450W
Temp. limit:	110°C	110°C	70°C-110°C
Weight:	1kg	1kg	1kg
Dimension:	20(L)x16(w)x27(H)cm	20(L)x16(w)x27(H)cm	20(L)x16(w)x27(H)cm
Temperature	fixed	Speed adjustable	adjustable with knob



LG-6C



LG-6D



LG-6E

LG-6AST/LG-6AT Frame Heater

Features:

- It makes features of quick heating, big wind force, the frames uniform heating.
- Temperature adjustable with LED, with auto cold wind

	LG-6AST	LG-6AT
Electric Voltage:	220V/50Hz or 110V/60Hz	220V/50Hz or 110V/60Hz
Power:	450W	450W
Temperature:	70°C-130°C	70°C-130°C
Weight:	1kg	1kg
Dimension:	23(L)x13(w)x21(H)cm	21(L)x19(w)x23(H)cm
Temperature	adjustable with LED display, with auto cold wind	adjustable with knob, with auto cold wind



LG-6AT



LG-6AST

LG-19T Frame Heater

Features:

- digital ceramics heating, Button switch

Weight:	1.6kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power of heater:	500W
Power of motor:	15W
Wind speed:	1.8m/s
Temperature setting:	80°C-160°C
Dimension:	23x23x20mm



NH-300/NH-300G Frame Heater

Features:

- Heat frames fast and uniformly
- 4-steps adjustable temperature
- Free switch of cold and hot air
- Automatically shut off power after 5 minutes
- without operation



Parameters:

300	4-steps Adjustable temperature
300G	Adjustable temperature available
Size	L200XW150XH170mm
voltage	100-120V/60HzAC or 200-240V/50/60Hz AC
Power	500W

FW-8 Frame Heater

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:	21x14x23mm
Temperature:	100°C

FW-10 Frame Heater

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:	31 x25 x16mm
Temperature	140°C

UC-A Ultrasonic Cleaner



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	15.5x9.5x5.2mm
Unit Size	21x14.5x14mm
G.W.	1.2kgs

UC-B Ultrasonic Cleaner

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:	26(L)x20(w)x17(H)cm
Tank Capacity	600 ml

UC-C Ultrasonic Cleaner

Features:

- Available for cleaning necklaces, earrings, rings, bracelets, coins, watches straps and bands,glasses, sunglasses, contact lens accessories etc.
- Detailed Product Description:

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

2, 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.

3, Delicate design of cover reduce the noises effectively.

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



Parameters:

Weight:	3kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	50W
Dimension:	22x19.5x25.5cm
Tank Capacity	1600 ml

UC-2500T Ultrasonic Cleaner

Features:

- Lengthened tank for more bigger capacity 2500ml
- With Heater function 100W: heating up to 85°C, convenient for cold area
- Material: Housing/Accessories: ABS; Lid: transparent AS; Tank : 304 stainless steel
- More strong ultrasonic power
- With 7 interval time: 180s/280s/380s/480s/580s/680s/90s
- With detachable power cables including earth wire, worldwide, plugs are available.
- With detachable transparent lid



Parameters:

Model	UC-2500T	Frequency	40,000Hz
Tank capacity	2500ml	Timer	7 digital timer settings
Tank size	250 x150 x80mm	Unit size	290x223x185mm
Inner packing	340x250x235mm	Carton packing:	520x350x480mm
Ultrasonic power	120W	Heating power	100W
N.W. / unit	2.8kg	G.W. / unit	3.3kg
POWER SUPPLY	AC 100 ~ 120V, 60Hz ; AC 220 ~ 240V, 50Hz		

GB-008 Ultrasonic Cleaner

Features:

- Available for cleaning necklaces, earrings, rings, bracelets, coins, watches straps and bands,glasses, sunglasses, contact lens accessories etc.
- Detailed Product Description:

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

2, 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.

3, Delicate design of cover reduce the noises effectively.

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



Parameters:

Weight:	2kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	50W
Dimension:	25x24x28cm
Tank Capacity	800 ml

GB-113T Ultrasonic Cleaner

Features:

- Available for cleaning necklaces, earrings, rings, bracelets, coins, watches straps and bands,glasses, sunglasses, contact lens accessories etc.
- Detailed Product Description:

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

2, 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.

3, Delicate design of cover reduce the noises effectively.

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

Parameters:



Weight:	2kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	50W
Dimension:	25x24x28cm
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:	5kg
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:	6kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	100W
Packaging Size:	35x33x20cm



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:	6kg.
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	100W
Packaging Size:	35x33x20cm



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:	28X24X22cm
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:

Model	Picture	Differences	Option	
LG-1800A		Stainless steel panel with groove DC motor Diamond wheel for PC lens Φ=12mm 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)	220V/50Hz or 110V/60Hz,80W 2.9kg, 28(L)x24(w)x22(H)cm
LG-1800B		Stainless steel panel with groove DC motor Ordinary wheel Φ=12mm guide wheel		
LG-1800C		iron panel with groove DC motor ordinary wheel Φ=12mm guide wheel		

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.

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 DC 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.
- suitable for all kinds of glass, resin and PC lenses

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:	3.5kg
Dimension:	28(L)X24(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

LG-11A/LG-11B/LG-11AT Auto lens groover

Features:

Available for automatic beveling rimless or half-frame glasses lens.

- 1, Chamfer angles of lenses can be controlled automatically precisely.
- 2, Suitable for plastic and glass lenses.
- 3, Automatic chamfering speed quickly.
- 4, With timing function(0 - 120seconds range).

Parameters:

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

Model	Picture	Differences
LG-11A		Stainless steel panel with groove AC motor
LG-11B		Bronze panel with groove
LG-11AT		Stainless steel hollow panel with groove AC motor For full frame glasses lens

LG-12A/LG-12B/LG-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.
- Using stainless steel hollow panel, DC motor, PC blade
- Suitable for glass, resin and PC lenses.
- Groove width: 0.65mm, suitable for various sizes of lenses and narrow long lens slot
- Lens diameter: from 18 to 70mm.
- Chamfer angles of lenses can be controlled automatically precisely.
- Suitable for plastic and glass lenses.
- Automatic chamfering speed is fast.



Parameters:

Electric Voltage:	220V/50HZ or 110V/60HZ
Power:	80W
Dimensions:	34(L)×27(W)×21(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

LG-2A/2B/2D/2GH Lens Blocker Machine

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
LG-2A	Centering machine	Common glass	Yes	
LG-2B	Centering machine	Common glass	No	
LG-2D	Centering machine	Common glass	No	
LG-2GH	Centering machine	Polarized glass	No	High definition

LG-918/LG-918A/LG-918B/LG-918C 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 series 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:	3kg
Volume:	23(L)x13(w)x21(H)cm

Model#	Product name	Motor	Positioning bar	Lamp in dial	Remark
LG-918	Three-hole pattern driller	AC	Manual	Yes	Metal base
LG-918A	Three-hole pattern driller	AC	Auto	No	Plastic base
LG-918B	Three-hole pattern driller	AC	Auto	Yes	Plastic base
LG-918C	Three-hole pattern driller	DC	Auto	No	Plastic base



LG-918



LG-918A



LG-918B



LG-918C

LG-918S Pattern Drilling Machine

Features:

- 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:

LG-918S	stainless steel base
LG-918S-2	plastic base
Electric Voltage:	220V/50Hz or 110V/60Hz , 90W
Weight:	4kg
Volume:	23(L)x13(w)x22(H)cm

LG-10B/LG-10C 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.

Detailed Product Description:



- 1, made of stainless steel parts, big power DC motor
- 2, Drilling three holes directly on demo lens together.
- 3, Don't need make another pattern.
- 4, Safe, precise, fast speed, competitive price.

Parameters

	LG-10B	**LG-10C**
Motor	AC Motor with LED light	AC Motor
Voltage:	AC 110V/220V 60Hz/50Hz	AC 110V/220V 60Hz/50Hz
Power:	80W	80W
Packaging Size:	220x150x360mm, 3kg	220x150x360mm, 3kg

LG-988A/LG-988B/LG-988C Drilling & Notch-cutting Machine

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:

988A	Aluminum pipe, with light or handrail, speed adjustable
988B	Aluminum pipe, with light or handrail
988C	Plastic pipe, no light, no handrail
988AT	Aluminum pipe, with light and handrail, speed adjustable
Electric Voltage:	110v/220v, 60hz/50hz, 250W
Volume	260X220X350mm, 3.5kg



LG-24A/LG-24B/LG-24C Drilling & Notch-cutting Machine

Features:

- This machine is mufti-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 bits system allow holes to be drilled simultaneously 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 can get accurate depth of groove cutting.



Parameters:

LG-24A	Aluminium Pipe, Drilling speed can adjustable, with light or handrails
LG-24B	Aluminium Pipe, with light or handrails
LG-24C	Plastic Pipe, No light and handrail
Dimensions	260x220x350mm, 3kg
Power requirement	110v/220v,60hz/50hz,AC250W

NH-3G/NH-3GS Digital Drilling Machine

Features:

- Highly Intelligent, Digital Automatic Drilling
- Compared to the hole position of the pattern lenses, it has higher process accuracy whose process deviation is less than 0.075mm in both X-axis and Y-axis.
- It has auto-position clamping equipment which allows to remain the same process accuracy after the change of clamps.
- The screen shows the drill position and coordinates data, and gives guidance to the operation.
- The hole position memory function allows to process the set hole positions continuously.
- Original pattern measurement mode and mirroring function measurement mode.
- The head can automatically reposition if it's removed from its position accidentally.
- The instrument drills automatically in a set order, and can be corrected by pressing the number button if any hole is missed by wrong operations.



LG-998A/LG-998B/LG-998C 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.



Parameters:

LG-998A	Aluminium pipe, Speed adjustable drill,With light or handrail
LG-998B	Aluminium pipe, With light or handrail
LG-998C	Plastic Pipe, No light and handrail
Electric Voltage:	220V/50Hz or 110V/60Hz
Power:	25W
Weight:	3kg
Volume:	23.5(L)x19.5(w)x32(H)cm



LG-900A/LG-900B Auto polisher

For PC,resin and acrylic lenses LG-900A with superior wool wheel, LG-900B with Common 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:

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

LG-8A 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

LG-8/LG-8B Auto polisher





Features:

- Fully automatic operation; automatically rotates lens
- Apply in Polish CR-39, high-index, and glass lenses
- 5 different timer settings according to different materials
- Powerful direct drive design eliminates broken or slipping drive belts
- Adjustable polishing level
- Transparent plastic hood for inspection of lens polishing and effectively reduce noise and dust

	LG-8	LG-8B
Application	Polish CR-39, high-index, and glass lenses	
Timer	Auto stop	Semi-auto timer, handle set in 1-5 minutes
	Polishing head auto up and down	Semi-auto
Voltage	110v/220v, 60hz/50hz, 80W	110v/220v, 60hz/50hz, 80W
Volume	350X290X340mm, 6.7kg	350X290X340mm,6.7kg
Polishing wheel size	115mm in maximum diameter, thickness: 10mm	

LG-828/LG-848/LG-858/LG-868 Photochromic Tester

Model	Pictures	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 15pcs of LED UV lamps simple and fast effect on photochromic An automatic shutdown of 30 seconds and 60 seconds

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.



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

UV818WL/UV818-2 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**	**UV818-2**
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.
LED lamp	1pc	1pc	3pcs
Buttons	UV+OFF button, photochromic button	Power button, light button	Power button, light button
Power	With power cable	rechargeable,with charger, standby for 72 hours, 5 mins auto shut off.	With power cable

CP-13B UV & Photochromic Lens Tester

Features:

- It is the most convenient and practical UV-400 measuring instrument. It is obviously to read the values of the anti -UV.
- CP-13B is adjustable for UV reading, which is convenient for timely adjustment and rapid detection;
- The wavelength range of the lens tester is 360-400.

Parameters:



Dimension	273x162x112mm
Weight:	0.6kg
Voltage:	AC 220V/50Hz, AC 110V/60Hz

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 400nm, 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*29*18cm
Weight:	2kg
Voltage:	AC 220V/50Hz, AC 110V/60Hz
Power:	20W

BU-100 Blue Ray Tester

Features:

- The device is use for test the lens of Anti-blue light transmittance and Anti-UV transmittance. It has histogram and number display model, intuitive and simple to read.
- 3 inch display screen, easy to see the readings;
- Very compact and light weight, only 153g;
- One button design, simple to operate;
- Automatic calibration after power on;
- Mini USB charging, easy and convenient to charge;



Parameters:

Blue light wavelength	425nm
UV wavelength	400nm
Display Resolution	240X240
Built-in battery capacity	400mAH
Power Supply	Rechargeable

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.



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-16 Finished Glasses Tester

Features:

Measure the finished glasses of the pupillary distance, horizontal deviation and vertical angle difference.

Detailed Product Description:

- 1, PD size can be adjusted left and right knob, ranges of measurement 50-80MM.
- 2, Directly to the glasses frame on the frame seat can be measure,convenient and quick operation.

Parameters:



Weight:	1.5kg
Volume	23(L)x15(w)x12(H)cm

CP-29B MULTI-FOCAL Lens Analyzer

Features:



Weight:	1kg
Voltage:	AC 110V/220V 60Hz/50Hz
Power:	20W
Dimension:	29*16*11cm

LG-15A Strain Gauge

Features:

Observing the light and shade stripes of the lenses, understanding the internal deflection, not only for transparent lenses, but also for a wide range of colored lenses.

Detailed product description:

- 1, can rotate the polarizer rotating disk, adjust brightness;
- 2, the lens can be directly placed on the lens seat can be observed, simple and easy to use.

Parameters:



Weight:	1kg
Voltage:	220V/50Hz or 110V/60Hz
Power:	15W
Dimension:	22*18*13cm

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 an 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.

LG-7 Screw Extractor

Features:

- For the frame to remove the breakage screw.

Detailed Product Description:

- Equipped with a barrel top and bottom ram, easy to use.



Parameters:

Weight:	0.5kg
Dimension:	12*10*8cm

TM-4/TM-6 Tinting Machine





LB-12/LB-24 Lens display box

Model	Capacity
LB-12	12pcs
LB-24	24pcs





FS-48/FS-64/FS-80/FS-144 Frame display suitcase

Model	Capacity	Size	Remark
FS-48	48pairs	62x39x50cm	For sunglasses
FS-64	64pairs	48.5x22.5x36cm	Inner size 15.5x5.5x3.2
FS-80	80pairs	48.5x22.5x36cm	Inner size 15.5x5.5x4.8
FS-144	144pairs	62x39x50cm	/





Tools Set



B01A



B09-AC

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:	AB15,AB18,AB21,AB23,AB28,AB40,AB47,AB50,AB55, AB59,AB901,AB923,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-AB/B08-AC Glasses tool set





9pcs 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:	AC14, AC18, AC21, AC29, AC40, AC47, AC59, AC901
Type of screwdrivers:	Slot type -1.6, slot type -1.8,cross +1.5, cross +1.8,six points sockets 2.32, twelve point sockets 2.82
B08-AB	**Without Rubber holster**
B08-AC	**With Rubber holster on the pliers handle**

9B Tool set



9pcs of screwdrivers

Parameters:

Material:	HSS
Size:	100*100*142mm
Weight:	680g
Quantity of screwdrivers:	9pcs
Type of screwdrivers:	Slot type -1.6, slot type -1.8, cross +1.5, cross +1.8, six points sockets 2.02, six points sockets 2.32, six points sockets 2.57, twelve points sockets 2.52, twelve points sockets 2.82

-002/TS-009 Glasses tool set



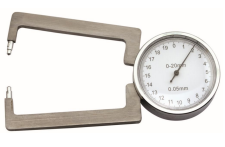
⊕ 1.5 1.7 2.0 2.5
⊖ 1.5 2.0
⭘ M2.0 M2.3 M2.5
⭘ M2.0 M2.5



R-AB932
R-AB931
R-AB924
⊕ 1.0 1.5
⊖ 1.0 1.5
⭘ M2.0 M2.5
⭘ M2.0 M2.5

Radian Thickness Apparatus

Radian Apparatus		
A12		N:1.53
3112-1030		N:1.67/1.61/1.5 99/1.53
A12D		N:1.49/1.53/1.5 6/1.599/1.61/1. 67/1.71/1.74

Thickness Apparatus		
A13		0-10
A13A		0-20
A13D		0-20

Pen Inspection Torch



Blue Ray Inspection Torch Pen



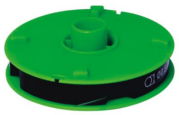
Job Tray 006S/006SH/006L



Lylon Wire

A16D:	0.45、0.50、0.55
A16E:	0.39、0.41、0.47、0.51、0.58、0.59
A16F	1.2、1.5
016A	All size in





Tool Set

A21F		**Φ62*9.0**
A21G		**Φ92*12**
A21H		**Φ112*20**

Tool set



005A

Size: 50*190*250MM



A21B

Size: 210*170*50MM

Adjusting Pliers


AB900


AB901


AB14


AB30


AB36


AB37


AB15


AB18


AB21


AB38


AB39


AB40


AB23


AB28

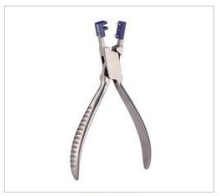

AB29

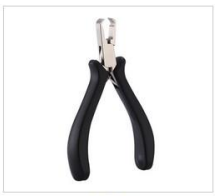

AB47


AB49


AB50


AB59


AB930


AB931


AC28


AC29


AC36


AC900


AC901


AC14


AC37

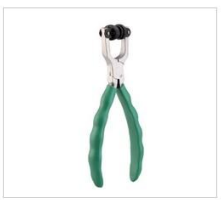

AC38


AC39


AC15


AC18


AC21


AC40

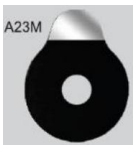
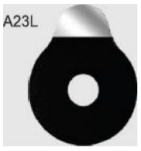
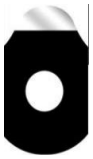

AC47


AC49

Adjusting Pliers

							
AB900	AB901	AB14	AB15	AB18	AB21	AB23	AB28
152x50mm	155x50mm	158x50mm	158x50mm	158x50mm	155x50mm	154x50mm	152x50mm
							
AB29	AB30	AB36	AB37	AB38	AB39	AB40	AB47
154x50mm	152x50mm	152x50mm	148x50mm	150x50mm	152x50mm	162x50mm	137x50mm
							
AB49	AB50	AB55	AB59	AB923	AB924	AB925	AB926
143x50mm	138x50mm	155x50mm	157x50mm	154x50mm	154x50mm	154x50mm	154x50mm
							
AB929	AB930	AB931	AC900	AC901	AC14	AC15	AC18
154x50mm	154x50mm	125x60mm	156x50mm	159x50mm	162x50mm	162x50mm	162x50mm
							
AC21	AC28	AC29	AC36	AC37	AC38	AC39	AC40
159x50mm	156x50mm	158x50mm	152x50mm	152x50mm	154x50mm	156x50mm	166x50mm
AC47	AC49	AC55	AC59	AC929	AC930	AC931	
141x50mm	143x50mm	159x50mm	161x50mm	158x50mm	158x50mm	146x50mm	

Stickers

					
A23S Φ18MM	**A23M Φ21MM**	**A23L Φ24MM**	**A23MM 17*30MM**	**A23NN 18*32MM**	**A23D 18*25MM**
for ESSILOR	**for all models**	**for BRIOT/WECO**	**for NIDEK**	**for all models**	**for all models**
					
A23SSP Φ14mm	**A23SP Φ18MM**	**A23MP Φ21MM**	**A23LP Φ24MM**	**A23MMP 17*30MM**	**A23NNP 18*32MM**
					
A23DP 18*25MM	**A23SSH Φ14mm**	**A23SH Φ18MM**	**A23MH Φ21MM**	**A23LH Φ24MM**	**A23MMH 17*30MM**
		for ESSILOR	**for all models**	**for BRIOT/WECO**	**for NIDEK**
					
A23NNH 18*32mm	**A23DH 18*25MM**	**A23SSR Φ14MM**	**A23SR Φ18MM**	**A23MR Φ21MM**	**A23LR Φ24MM**
for all models	**for all models**		**for ESSILOR**	**for all models**	**for BRIOT/WECO**
					
A23MMR 17*30MM	**A23NNR 18*32MM**	**A23DR 18*25MM**			
for NIDEK	**for all models**	**for all models**			

Non-slip Sticker



Suckers

					
ALE/LE A20	WECO A25	WECO A25A	WECO A25B	WECO A26	TAKUBO A27
					
BRIOT A28	TOPCONH A29	TAKUBO A30	TAKUBO A32	TOPCONH A34	WECO A35
					
TAKUBO A36	TAKUBO A37	WECO A38	BRIOT A39	BRIOT A40	NIDEK A40A
					
NIDEK A40B	3312-1210	3312-1220			

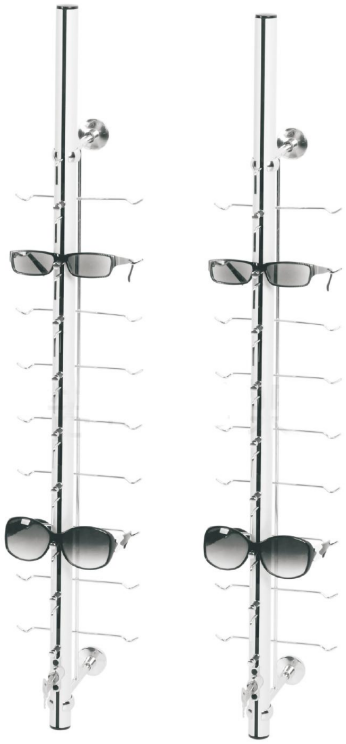
Pattern Templates

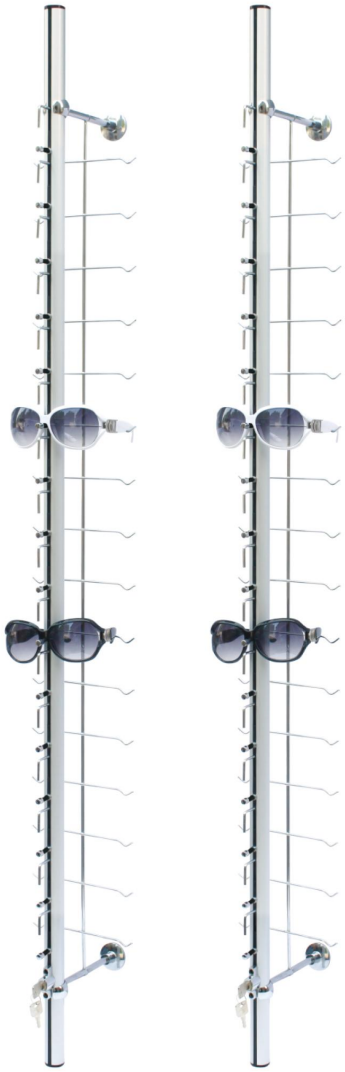


Silicone Nose pad Details please check the catalogue of frame display

Frame display bar





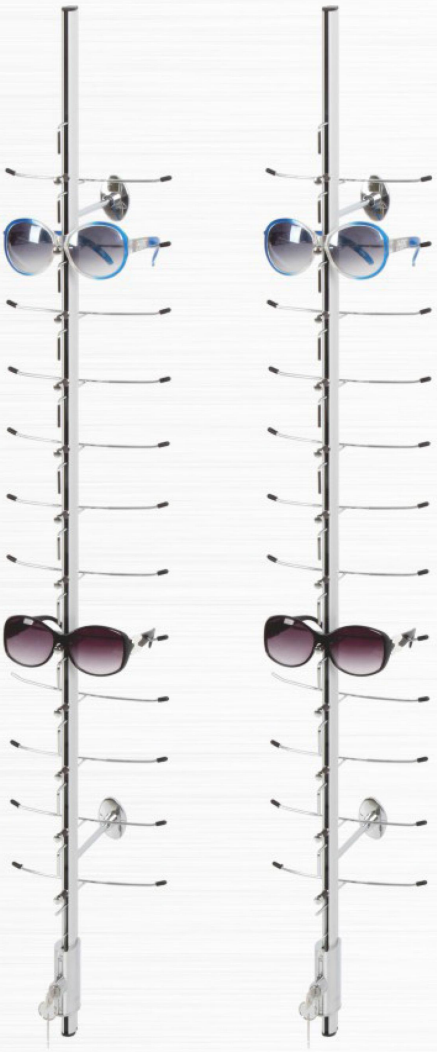






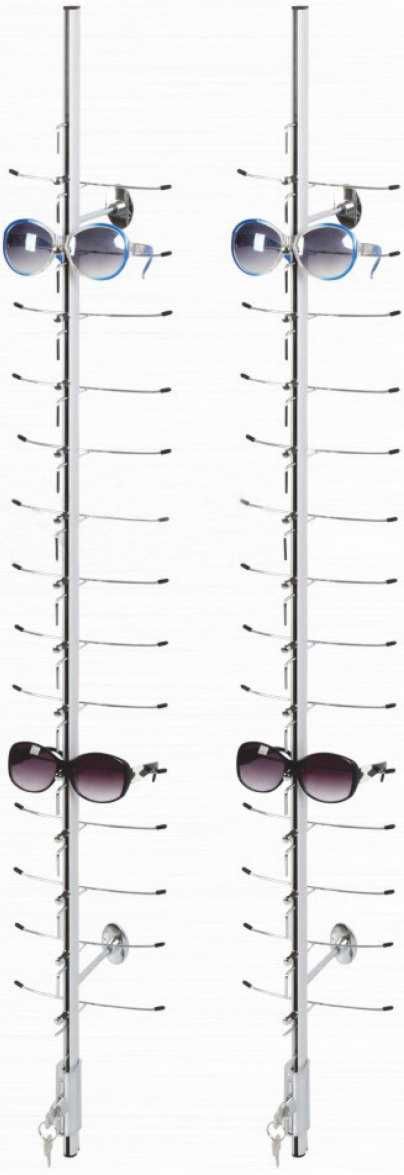
Model	Capacity	Package size	Weight
HD601-9	10pcs/CN	95*23*21cm	13kgs
HD601-12	10pcs/CN	115*23*21cm	16kgs
HD601-14	10pcs/CN	129*23*21cm	18kgs
HD601-16	10pcs/CN	145*23*21cm	19.5kgs
HD601-18	10pcs/CN	160*23*21cm	21kgs
HD601-20	10pcs/CN	175*23*21cm	23kgs

Frame display bar



MODLE	HD603-12
QTY	10PCS
MEAS	115x23x21cm/16KGS





MODLE	HD603-14
QTY	10PCS
MEAS	129x23x21cm/18KGS



Frame display bar

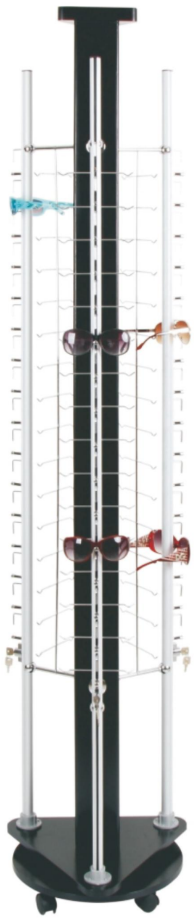


MODLE	HD603-16
QTY	10PCS
MEAS	145x23x21cm/19KGS

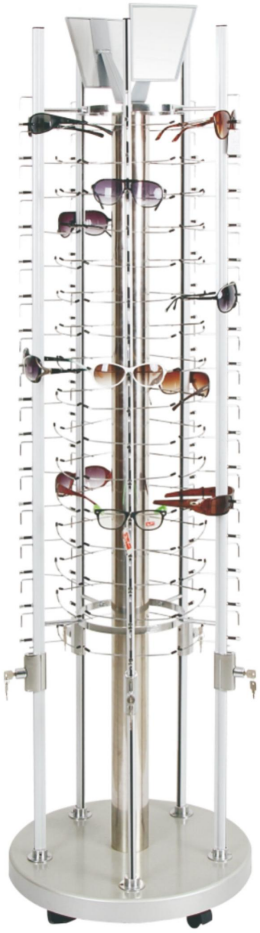


MODLE	HD603-18
QTY	10PCS
MEAS	175x23x21cm/21KGS

Frame display bar



HD707
16*3PCS
SIZE: 42*42*195cm



HD708-2
16*5PCS
SIZE: 52*52*175cm



HD709
16*5PCS
SIZE: 50*50*175cm



HD723
16*3PCS
SIZE: 16*52*172cm

Glass Tools

TR-90 Frame (More details, please contact our sales)









Acetate Frame





Lens

