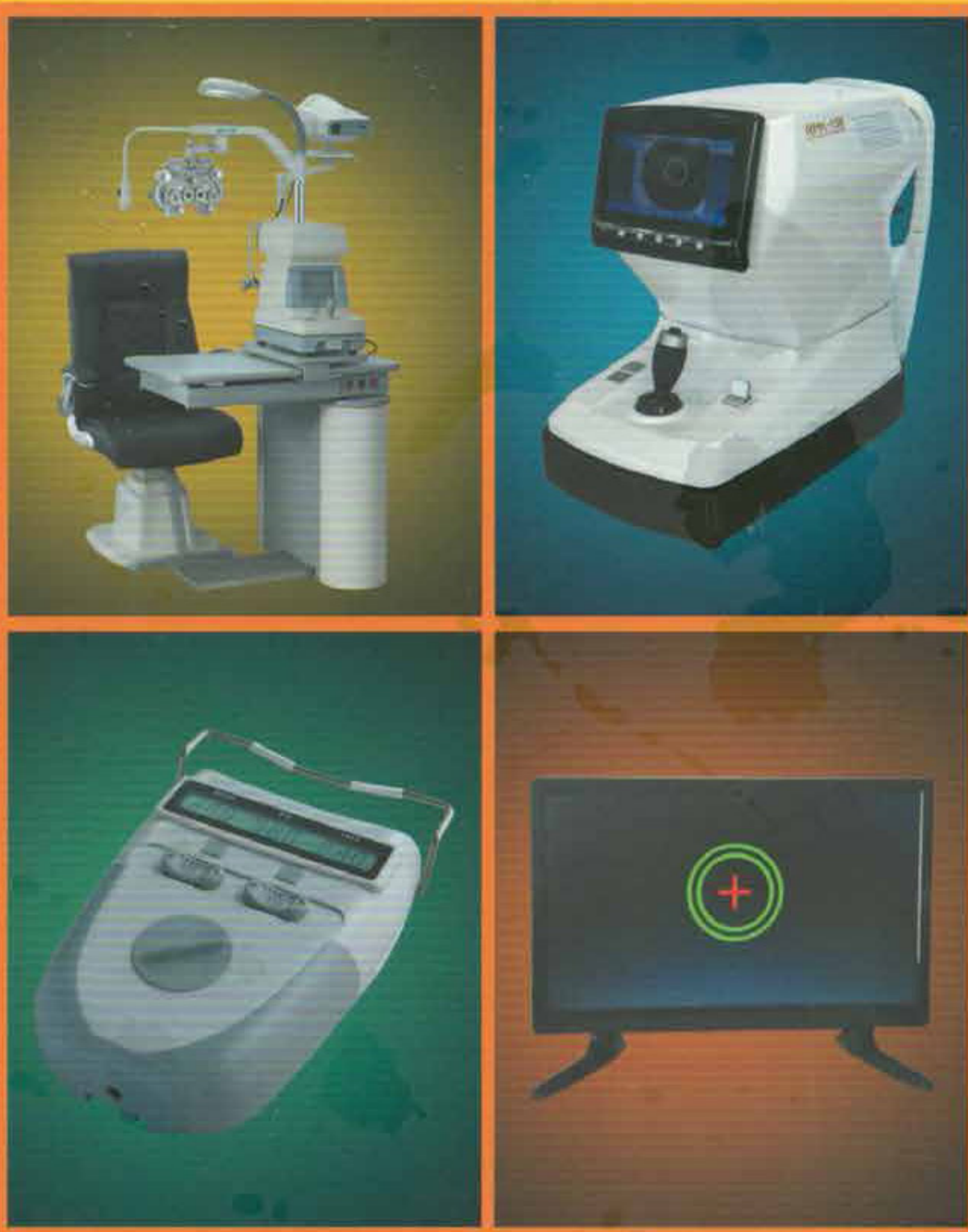




**MODOP<sup>®</sup>**



**OPHTHALMIC  
INSTRUMENTS  
OPTICIANS  
EQUIPMENTS  
LENS PROCESSING  
MACHINES**

**AR-7610 AUTO REFRACTOMETER**  
**ARK-7610 AUTO REF-KERATOMETER**

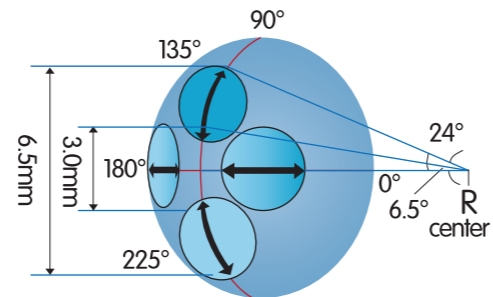
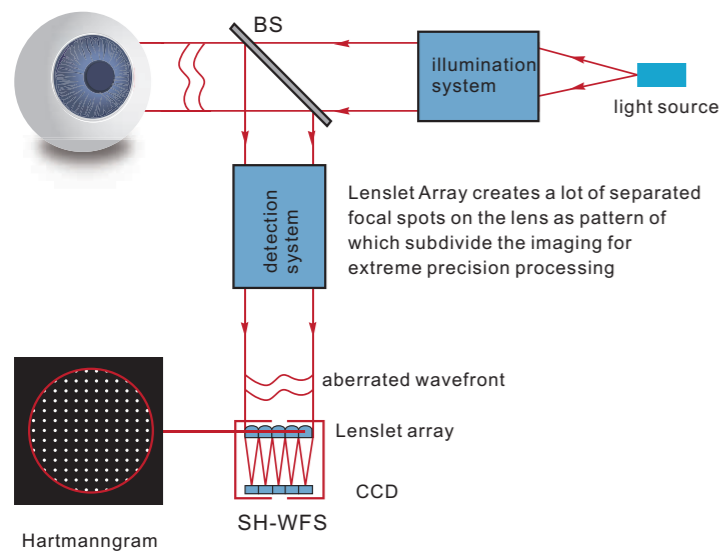
**FEATURES**

- Cost-effective with both refractometry and keratometry functions
- Hartman testing method
- Adjustable 7" LCD touch screen
- Motorized Chin rest
- Motorized Joystick to move testing body up & down easily and quickly
- Manual focusing and auto measuring



CE FDA

**Hartmann imaging processing technology**



Measure peripheral keratometry precision of eyes with contact lenses fitting



Adjustable 7" LCD Touch Screen



Motorized Chin Rest

| DATA RECORD |       |       |       |    |       |       |       |       |    |
|-------------|-------|-------|-------|----|-------|-------|-------|-------|----|
| R           | SPH   | CYL   | AX    | L  | SPH   | CYL   | AX    |       |    |
| 1           | -0.50 | -1.50 | 95    | 1  | -0.50 | -1.25 | 99    |       |    |
| 2           | -0.50 | -1.50 | 95    | 2  | -0.50 | -1.25 | 99    |       |    |
| 3           | -0.50 | -1.50 | 95    | 3  | -0.50 | -1.25 | 99    |       |    |
| 4           |       |       |       | 4  |       |       |       |       |    |
| 5           |       |       |       | 5  |       |       |       |       |    |
| 6           |       |       |       | 6  |       |       |       |       |    |
| 7           |       |       |       | 7  |       |       |       |       |    |
| 8           |       |       |       | 8  |       |       |       |       |    |
| 9           |       |       |       | 9  |       |       |       |       |    |
| 10          |       |       |       | 10 |       |       |       |       |    |
| AVG         |       | -0.50 | -1.50 | 95 | AVG   |       | -0.50 | -1.25 | 99 |

Data Record

**SPECIFICATIONS**

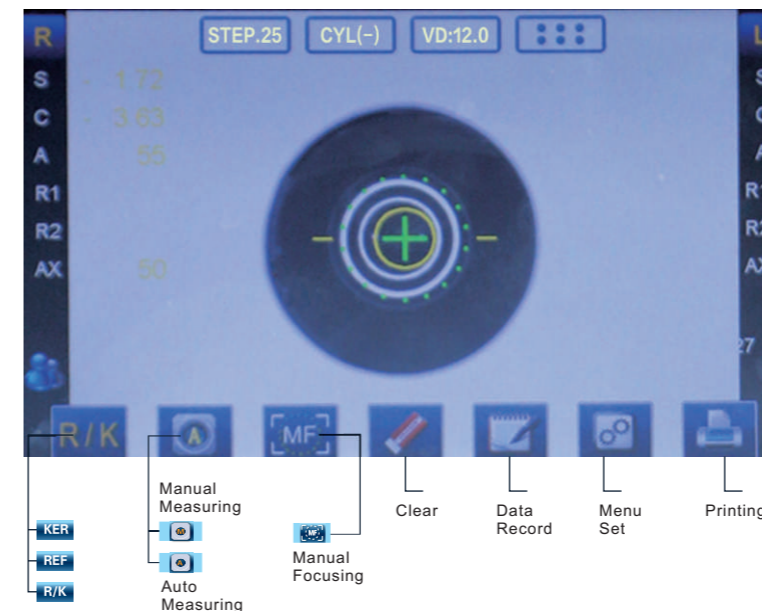
**•Refractometry:**

- Vertex Distance(VD).....0,12,13.75,15mm
- Sphere(SPH).....-30.00~+25.00(wide range)  
(VD=12mm,0.01,0.06,0.12 or 0.25D unit)
- Cylinder(CYL).....0.00~±10.00D(0.06,0.12 or 0.25D unit)
- Axis(AX).....1~180°(increment:1°)
- Sign of cylinder.....-,+,±
- Pupil Distance(PD).....10~86mm
- Pupil diameter.....∅2.00~∅8.00mm
- Minimum pupil diameter.....∅2.0mm

**•Keratometry:**

- Radius of curvature.....5.00~10.00mm(increment:0.01mm)
- Corneal power.....33.00~67.00D  
(in case that the corneal equivalent refractive power is 1.3375)
- Corneal astigmatism.....0.00~15.00D  
(Increments0.06/0.12/0.25D)
- Axis.....1~180°(increment:1°)
- Corneal diameter.....2.01~14.00mm(increments: 0.1mm)

**Operation interface function**



Intuitive icons provide the user an easier operating circumstances, and make the measurement become more convenient and the data to be measured more accurate and fast.

**•Others:**

- Monitor: Sharp 7 inch color TFT LCD touch screen  
(Angle of view adjustable)
- Built-in Printer: 57mm thermal printer
- Chart: Auto fog
- Measuring Time: <0.5 second
- Measuring light energy: <30µw
- Memory of Data: 10 measured values for each eye,  
both Refractometry and Keratometry
- Power supply: AC 100~240V, 50/60Hz
- Packing dimension: 650(W)X400(D)X620(H)mm
- Net weight/Gross weight: 19.5kgs/16kgs
- Data output: RS-232 interface



**FA-6500K AUTO REF-KERATOMETER**

2 in 1 machine

**FEATURES**

**•7" TFT LCD monitor**

Bigger, better monitor and icon-display menu for easier operation and settings

**•Motorized joystick**

A motorized joystick with **auto vertical tracing** mode is adopted, so operation is easier

**•Refractive measurement with Hexagon prism**

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

**•Auto focus function**

Just move, it will automatically focus the eye and get the value.

**•Motorized chinrest**

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

**•Tilting screen**

Tilting screen function that allows wide variance of access whether the operator is sitting or standing.

**SPECIFICATIONS**

**Refractometry**

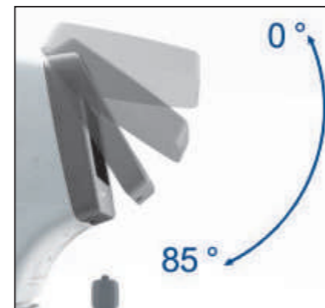
Vertex distance.....0,12,13.7mm  
 Spherical degree.....-20.00~+20.00D(Step:0.125D)  
 Cylinder degree.....0.00~+/-8.00D(Step:0.12 or 0.125D)  
 Axial.....0~180°(Steps:1°)  
 Cylinder symbol.....-,+,+/-  
 Pupil distance.....45~88mm(Steps:1mm)  
 Minimum pupil diameter.....Φ2.0mm

**Keratometry**

Radius of curvature.....5.00~10.00mm(Increment:0.01mm)  
 Corneal power.....33.75~67.50D  
 (when corner equivalent refractive index is 1.337)  
 (increment selectable form 0.12, 0.25D)  
 Corneal astigmatism.....0.00~8.00D(Step:0.12 or 0.125D)  
 Axial.....0~180°(Steps:1°)  
 Corneal diameter.....Φ2.0~Φ14.0mm(Steps:0.1mm)  
 Memory data.....10 measure value for each right and left eye

**Others**

Chart.....Follow-up colorful fogging chart system  
 Display.....7" TFT LCD, touch panel, tilting screen  
 Print.....Thermal printer  
 Power supply.....110~220V±10%, 60/50Hz, 60VA  
 Dimension.....478 X 268 X 472mm  
 Net weight.....15.5kg



Tilting screen



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**FA-6000A REFRACTOMETER**

**SPECIFICATIONS**

Vertex distance.....0mm,12mm,13.75mm  
 Spherical.....-20~+20D,(VD=12) 0.12/0.25D Step  
 Cylinder.....-8~+8D, 0.12D/0.25D Step  
 Axis.....0~180°, 1°Step  
 Cylinder form.....-,+,±  
 Pupil distance.....45~88mm,1mm Step  
 Min. pupil size.....2.0mm

**OTHERS**

Chart.....Auto fog  
 Display.....5.6"Color LCD  
 Printer.....Thermal printer  
 Power supply.....00-240V 50/60Hz  
 Dimensions.....280mm×492mm×462mm  
 Weight.....20kg



CE FDA

**FA-6100A AUTO REF-KERATOMETER**

2 in 1 machine

**SPECIFICATIONS**

**Refractometer**

Vertex distance.....0mm,12mm,13.75mm  
 Spherical.....-20~+20D,(VD=12) 0.12/0.25D Step  
 Cylinder.....-8~+8D, 0.12D/0.25D Step  
 Axis.....0~180°, 1°Step  
 Cylinder form.....-,+,±  
 Pupil distance.....45~88mm,1mm Step  
 Min. pupil size.....2.0mm

**Keratometry**

Radius of curvature.....5.0~10mm(increment:0.01mm)  
 Corneal power.....33.75~67.50D  
 (when corner equivalent refractive index is 1.337)  
 (increment selectable from 0.12, 0.25D)  
 Corneal astigmatism.....0.0~8.00D  
 (increment selectable from 0.12, 0.25D)  
 Axis.....1~180°(increment:1°)  
 Corneal diameter.....2.0~14.0mm(increment:0.1mm)  
 Memory of data.....10 measure value for each right and left eye

**Others**

Chart.....Auto fog  
 Display.....5.7"Color LCD  
 Printer.....Thermal printer  
 Power supply.....00-240V 50/60Hz  
 Dimensions.....280mm×492mm×462mm  
 Weight.....20kg



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**BL-6AL SLIT LAMP**

5 STEPS

**SPECIFICATIONS**

Microscope Type.....Galilean stereoscopic microscope  
 Magnification selection.....5 steps by drum rotation  
 Eyepiece.....12.5X  
 Magnification Ratio (Field of view ).....6X(Φ33mm),  
 10X(Φ22.5mm), 16X(Φ14mm), 25X(Φ8.8mm), 40X(Φ5.5mm)  
 Diopter Adjustment.....-7D to +7D  
 Slit width.....0 ~ 14mm continuous  
 (at 14mm,slit becomes a circle)  
 Slit height.....1 ~ 14mm continuous  
 Slit angle.....0 ~ 180° continuous  
 Light spot diameter.....14mm, 10mm, 5mm, 3mm, 2mm,  
 1mm, 0.2mm, 1-14mm continuous  
 Filte.....Heat absorption ,Grey ,Red-Free ,Cobalt Blue  
 Illumination bulb.....LED  
 Voltage / Frequency.....AC 110V/60Hz or 220V/50Hz



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**BL-8001 KERATOMETER**

**SPECIFICATIONS**

Corneal radius of curvature.....5.5~11mm  
 Minimum reading.....0.02mm  
 Corneal refractive power.....31~61D  
 Minimum reading.....0.25D  
 Axis of corneal astigmatism.....0°~180°  
 Minimum reading.....1°  
 Diopter adjusting scale.....0~±5 dptr.  
 Illumination Bulb.....12V 50W halogen lamp  
 Voltage / Frequency.....AC 110V/60Hz or 220V/50Hz  
 Dimensions.....450(L)×300(W)×450(H)mm  
 Weight.....16Kg



CE FDA

**MP-650 PHOROPTOR**

ECONOMICAL

**FEATURES**

- It's a new generation of phoropter reference the foreign similar produce.
- This equipment use the comprehensive centralized operation and large dial.
- Improve the operating performance.
- The cross cylinder is auto connecting with the cylinder lens coordinate.
- Build-in astigmatic lens and axis knob are synchronism linkage.
- Settle the axis and astigmatic examine at one go.
- Build-in various auxiliary lens. Overall check the ophthalmic function.



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Black color is optional

Cylinder mark: 15° scale is optional

**SPECIFICATIONS**

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 powers range .....0.00D to -6.00D, Step:0.25D or 0.50D(Whenlens auxiliary is in use)  
 0 t o -8.00D (when -2.00D auxiliary lens is in use)  
 Astigmatic axis scale.....0° to 180°, Step:5°  
 Cross cylinder..... +/-0.25D or +/-0.50D optional  
 Rotary prism.....0 to 20^A D in 1^A D  
 Interpupillary adjustment.....48mm to 75mm in 1mm step (right and left synchronized)  
 Forehead rest adjustment.....16mm backward and forward  
 Convergence.....The optical axes of the lenses are aligned at a distance of 400mm from the vertexes of the corneas  
 (2mm each for right and left inward) Interpupillary distance enabling convergence=51mm to 80mm  
 Corneal distance device.....2mm forward and 5mm backward from standard plane  
 Effective field of view.....19mm

**MP-650B:** Class B, with same appearance as MP-650, but lower price.

**NH-500LED AUTO CHART PROJECTOR**

WHITE LED LAMP

**FEATURES**

LED illumination comparing with halogen illumination have many advantages:

- 1) Lower voltage, LED lamp is 3.7V/5W, halogen lamp is 12V/30W;  
Lower temperature (heating); but have bigger luminosity.
- 2) Light is white and bright, so charts are clearer and sharp.
- 3) Much longer life. More than 5000 hours life compare with less than 600 hours of halogen lamp.

**SPECIFICATIONS**

|                                     |   |
|-------------------------------------|---|
| Number of charts and masks.....     | 50 charts and 38 masks  |
| Luminance.....                      | min.80-max. 320CD/m <sup>2</sup> (200CD/m <sup>2</sup> at 5m) |
| Chart and mask selection speed..... | 0.3 second  |
| Program.....                        | 2 kinds(48 charts or masks)                                   |
| Tilting angle.....                  | ±10°  |
| Auto power off.....                 | After 5 min.  |
| Lamp.....                           | 3.7V, 5W LED lamp   |
| Projection distance.....            | 2-7m  |
| Projection magnification.....       | 30X(at 5m)  |
| Projection size.....                | 335mmX222mm(at 5m)  |
| Dimension.....                      | 248(W)X(336(L)X234(H)mm                                       |
| Net weight.....                     | 4kgs  |
| Power source.....                   | 100-240V  |
| Power consumption.....              | 90VA  |

**STANDARD ACCESSORIES:**

Remote control, screen, test scale sheet, dust cover and spare fuse.

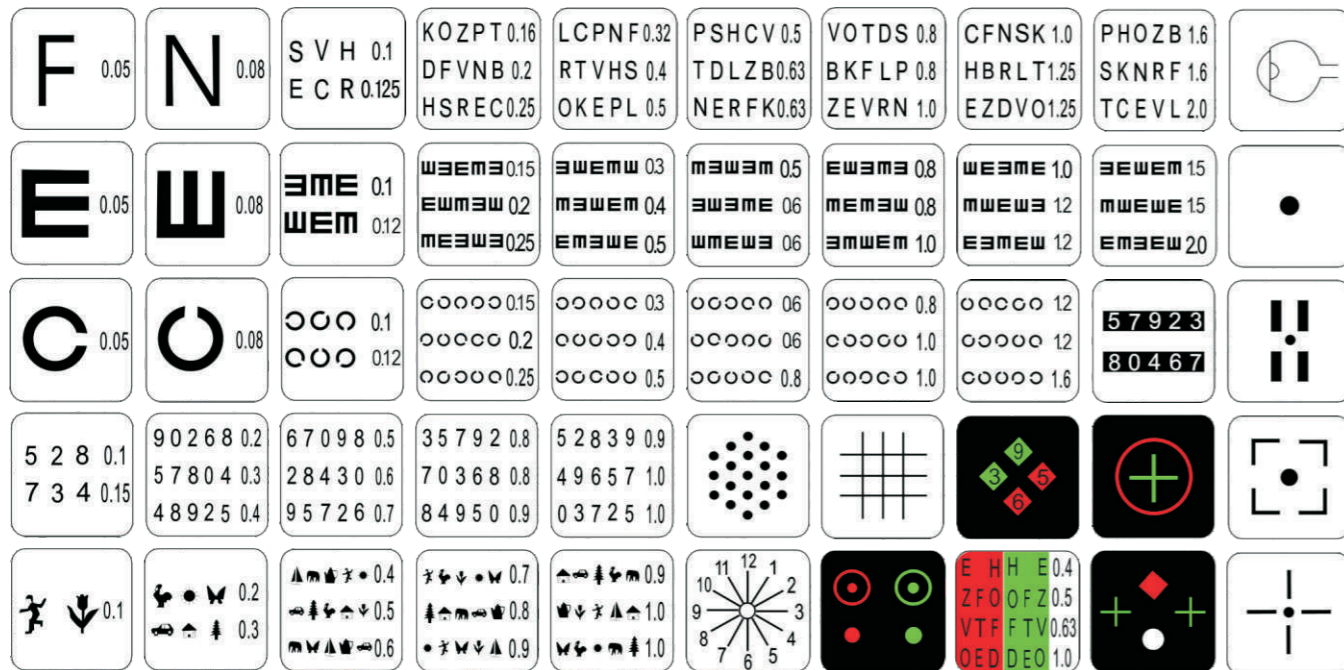
**OPTIONAL ACCESSORIES:**

Table base stand, wall mount, chart projector arm, polarized filter glasses, R&G glasses and deviator.



remote

CE FDA



**YK-100 NEAR VISION TESTER**

It 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 test include:**

1. Measurement of visual acuity using snellen letter and illiterate E-chart, and Times Roman reading types
2. Accurate determination of presbyopic additions and other near corrections
3. Near vision astigmatism test.
4. Amplitude of accommodation including monocular measurements under binocular conditions.

**The Binocular balance tests include:**

1. Fixation disparity test for uncompensated heterophoria motor eye dominance.
2. Quantitative evaluation of foveal suppression in heterophoria patients.
3. Near point of convergence.
4. Targets for subjective cover tests for heterophoria and harmonious ARC.

**CP-37A1 VISUAL CHART**  
**CP-37A2 VISUAL CHART**

**FEATURES**

- According to the international standard to make
- Aluminum alloy plate and LED lamp inside, even brightness and durability
- With 4 kinds of functional test charts
- Two kinds of visual unit type, Decimal and 5-LogMAR



CE FDA

**SPECIFICATIONS**

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

**SPECIFICATIONS**

|                       |                     |
|-----------------------|---------------------|
| Testing distance..... | 5m                  |
| Input voltage.....    | AC100~240V, 50/60Hz |
| Output voltage.....   | DC 12V              |
| Dimension.....        | 750x450x15mm        |
| Brightness.....       | 80~350CD            |



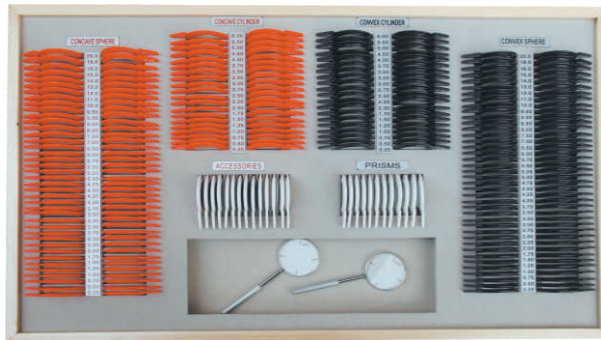
CP-37A1(Letter chart)

CE FDA



CP-37A2 (E chart)

**C TRIAL LENS SET**

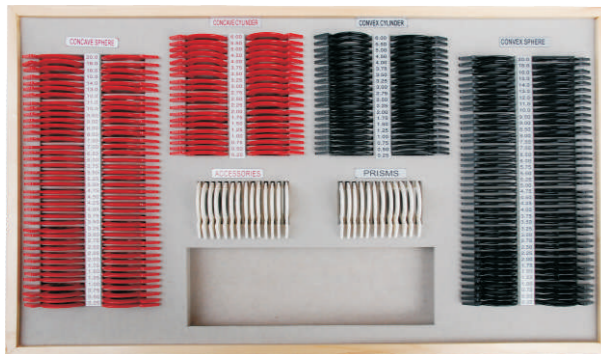


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ID: Ø26mm

- C-68PL**.....68pcs, Colored Plastic Rims
- C-104PL**.....104pcs, Colored Plastic Rims
- C-158PL**.....158pcs, Colored Plastic Rims
- C-232PL**.....232pcs, Colored Plastic Rims
- C-266PL**.....266pcs, Colored Plastic Rims



CE FDA



New rim

ID: Ø26mm

- C-68PTA**.....68pcs, Colored Plastic Rims
- C-104PTA**.....104pcs, Colored Plastic Rims
- C-158PTA**.....158pcs, Colored Plastic Rims
- C-232PTA**.....232pcs, Colored Plastic Rims
- C-266PTA**.....266pcs, Colored Plastic Rims



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- C-68PLM**.....68pcs, Colored Plastic Rims with metal line
- C-104PLM**.....104pcs, Colored Plastic Rims with metal line
- C-158PLM**.....158pcs, Colored Plastic Rims with metal line
- C-232PLM**.....232pcs, Colored Plastic Rims with metal line
- C-266PLM**.....266pcs, Colored Plastic Rims with metal line



ID: Ø24.5mm

**C TRIAL LENS SET**



CE FDA



ID: Ø36mm

- C-68M**.....68pcs, Shiny Metal Rims
- C-104M**.....104pcs, Shiny Metal Rims
- C-158M**.....158pcs, Shiny Metal Rims
- C-232M**.....232pcs, Shiny Metal Rims
- C-266M**.....266pcs, Shiny Metal Rims



CE FDA



ID: Ø36mm

- C-68MC**.....68pcs, Colored Metal Rims
- C-104MC**.....104pcs, Colored Metal Rims
- C-158MC**.....158pcs, Colored Metal Rims
- C-232MC**.....232pcs, Colored Metal Rims
- C-266MC**.....266pcs, Colored Metal Rims

Standard case



ALUMINUM-ABS CASE

Optional case



LEATHERETTE CASE



WOODEN CASE



**TF-18** TRIAL FRAME PD Range: 48-60mm  
**TF-19** TRIAL FRAME PD Range: 54-70mm

TITANIUM



CE FDA

**TF-F** TRIAL FRAME

FIXED PD

PD Range : 52mm,54mm,56mm,58mm,60mm,  
 62mm,64mm,66mm,68mm,70mm  
 Colors available: pink, blue, grey

**TF-H** TRIAL FRAME

SUITABLE FOR PROGRESSIVE LENS  
 FIXED PD

PD Range: 52mm,54mm,56mm,58mm,60mm,  
 62mm,64mm,66mm,68mm,70mm  
 Colors available: pink, blue, grey

**TF-B** TRIAL FRAME METAL  
**TF-S** TRIAL FRAME PLASTIC

PD Range: 48-80mm



CE FDA



Extendable temple

CE FDA



Extendable temple

CE FDA

**WB-1105G** TRIAL FRAME

FIXED PD

PD Range : 52mm,54mm,56mm,58mm,60mm,  
 62mm,64mm,66mm,68mm,70mm  
 Colors available: grey, green



CE FDA

**WB-1105H** TRIAL FRAME

SUITABLE FOR PROGRESSIVE LENS  
 FIXED PD

PD Range : 52mm,54mm,56mm,58mm,60mm,  
 62mm,64mm,66mm,68mm,70mm  
 Colors available: grey



CE FDA

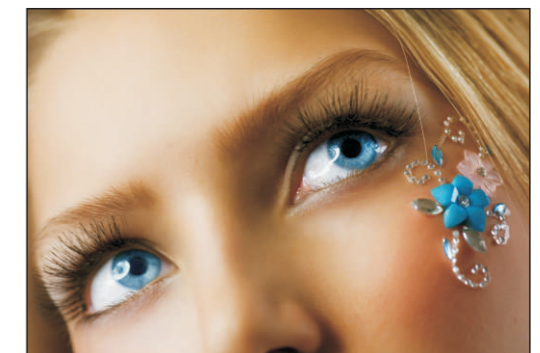
**TF-C** TRIAL FRAME

FIXED PD

PD Range: 52mm,54mm,56mm,58mm,60mm,  
 62mm,64mm,66mm,68mm,70mm  
 Colors available: pink, green, yellow, black, blue



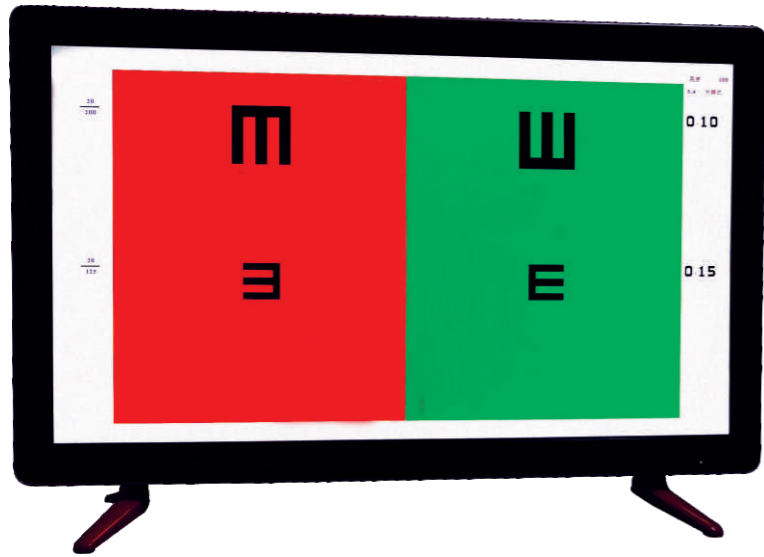
CE FDA



**ZN-270 LED VISUAL CHART 27" HD**

POLARIZED SCREEN

- Big size monitor, clear display  
27" TFT-LED monitor, 1920x1080 pixels,200CD/m<sup>2</sup>
- 3D polarization vision chart  
Apply to binocular balance test and stereo visual function test
- Optotypes can be changed randomly



CE FDA

Both table stand and wall mount are as standard accessories

**SPECIFICATIONS**

LED monitor.....27-inch TFT Panel, 1920x1080 pixels, 200CD/m<sup>2</sup>  
 Optotype.....E, C(Landolt),Alphabet, Numbers, Children  
 Visual unit.....Decimal,Snellen(ft,20/20),Snellen(m,6/6)  
 Dis.....1M~6M (in steps of 0.1m)  
 Mask type.....Single mask, Horizontal mask, Vertical mask,  
 Red/Green mask, White/Black mask,  
 Contrast adjustment, Red/Green adjustment

**Standard accessories**



**Polarized filters**



Remote

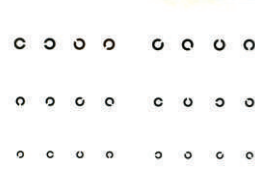


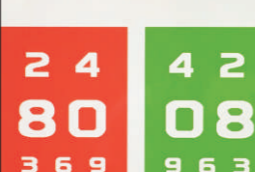


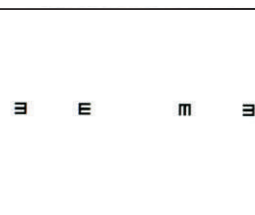

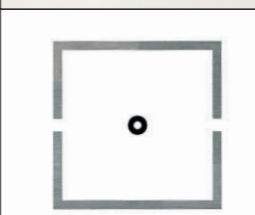
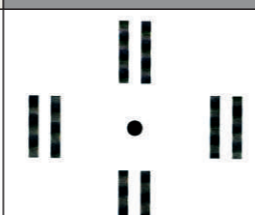


Wall mount



Power Adapter

Special test masks.....Ishihara Test, Cross cylinder,  
 Astigmatism Test, Cross Grid,  
 Fixation point Test, Red/Green Panel,  
 Worth Test, Red/Green Balance,  
 Traffic light, Coincidence Test, Stereo Test,  
 Schober Test, ETDRS  
 Other functions.....Randomization Optotypes Playing function,  
 R/G setting function, Video playing function,  
 Screen-saver function, standby function

|   |   |   |  |   |
|---|---|---|--|---|
|  |  |  |  |  |
|  |  |  |  |  |

**ZN-230 LED VISUAL CHART 23"HD**

ECONOMICAL



CE FDA

Both table stand and wall mount are as standard accessories

**SPECIFICATIONS**

LED monitor.....23-inch TFT Panel, 1920x1080 pixels  
 Brightness.....200CD/m<sup>2</sup>  
 Optotype.....E, C(Landolt),Alphabet, Numbers, Children  
 Visual unit.....Decimal,Snellen(ft,20/20),Snellen(m,6/6)  
 Distance.....1M~6M (in steps of 0.1m)  
 Mask type.....Single mask, Horizontal mask, Vertical mask,  
 Red/Green mask, White/Black mask,  
 Contrast adjustment, Red/Green adjustment  
 Special test masks.....Ishihara, Cross cylinder, Astigmatism,  
 Cross Grid, Fixation point Test, Red/Green Panel,  
 Worth Test, Red/Green Balance, Traffic light,  
 Coincidence Test, Stereo Test, Schober Test, ETDRS  
 Other functions.....Randomization Optotypes Playing function,  
 R/G setting function, Video playing function,  
 Screen-saver function, standby function



X-22

Optional floor stand for Visual chart,  
for screen 19" ~40"

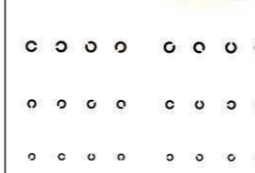


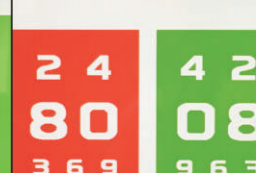


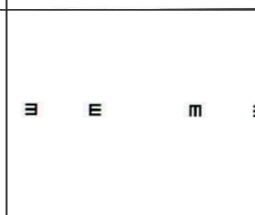

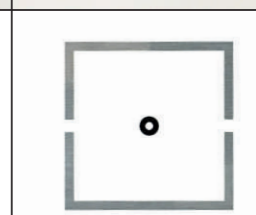
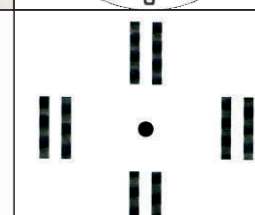
**Standard accessories**



Wall mount



Remote

|   |   |   |   |   |
|---|---|---|---|---|
|  |  |  |  |  |
|  |  |  |  |  |



**D903  
D903A** AUTO LENSMETER

COLOR TOUCH SCREEN

**FEATURES**

- Colorful touch screen, view angle adjustable
- With printer and PD, inner UV part
- Automatic recognition of single and progressive lens
- Strong aluminum case for single packing

**SPECIFICATIONS**

**Measure Scope**

- Sphere.....0 to ±25D(0.01D, 0.12D, 0.25D steps)
- Cylinder.....0 to ±9.99D(0.01D, 0.12D, 0.25D steps)
- Axis.....0-180°(1° steps)
- ADD.....0 to 9.99D (0.01D, 0.12D, 0.25D steps)
- Prism.....0 to 15Δ(0.01Δ, 0.12Δ, 0.25Δ steps)

**Mode**

- Cylinder.....+, +/-
- Prism.....X-Y,P-B
- Contact lens.....Soft/hard
- Measuring mode.....single/progressive/  
automatic recognition contact lens

**Others**

- Lens Diameter.....Φ20 to Φ108mm
- PD.....45 to 90mm(0.25mm steps)
- Speed.....0.1S
- ABBE.....30 to 60
- Display.....D903:TFT LCD (5.6")  
D903A:TFT LCD (7")
- Printer.....Thermal print
- Dimension.....222(L)x161(W)x372(H)mm
- Package.....430(L)x235(W)x295(H)mm
- Gross weight.....7Kgs
- Power.....AC220V/50HZ; AC110V/60HZ



Standard Packing: Aluminum Box



D903(5.6" touch panel)

CE FDA



D903A(7" touch panel)

**GJD-6** LENSMETER Read Outside

**FEATURES & SPECIFICATIONS**

- Eyepiece Focusing Range.....From -5D to +5D
- Lens Measuring Range.....-25D~+25D
- Vertex Power Measuring.....0.125D(-5D~+5D);  
0.25D(Exceed ±5D)
- Prismatic Power Measuring.....Range: 5 prism diopters,  
step: 1 prism diopter 1
- Cylindrical Axis Angle.....Readings range 0°~180°,  
incremental change 1°
- Prism Axis Angle.....Readings range 0°~180°,  
incremental change 1°
- Lens Accommodated.....20mm to 80mm
- Tilting Angle.....0°~90°
- LED Bulb Voltage and Power.....110V/3V/3W; 220V/3V/3W



GJD-6B: With Prism Compensation Device

All the GJD series lensmeter can use AC and DC input.  
For DC input, only needs 3pcs AA batteries.



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**GJD-7** LENSMETER Inner Reading

**FEATURES & SPECIFICATIONS**

- Eyepiece Focusing Range.....From -5D to +5D
- Lens Measuring Range.....-25D~+25D
- Scale value of spherical diopter.....0.125D(-5D~+5D);  
0.25D(Exceed ±5D)
- Scale value of cylindrical astigmatism diopter.....  
0.125D(-5D~+5D),0.25D(Exceed ±5D)
- Measuring range.....0°~180°, scale value: 1°
- Measuring range.....0-5Δ, scale value: 1Δ
- Measuring range.....0-360°, scale value: 1°(on the reticule)
- Suitable range for lens.....20mm to 80mm
- Adjustable range of tilt angle.....0°~90°
- LED Bulb Voltage and Power.....110V/3V/3W; 220V/3V/3W



GJD-7B: With Prism Compensation Device



CE FDA

**CP-1B PORTABLE LENSMETER**

**SPECIFICATIONS**

Range of Vertex Power.....+15D to -15D  
 Step of Vertex Power.....0 to (±)10D for 0.125D;  
 (±)10D to (±)15D for 0.25D  
 Range of Cylindrical Axis.....0 to 180°  
 Step of Cylindrical Axis.....5°  
 Range of Prismatic Power.....4 prism diopter  
 Step of Prismatic Power.....1 prism diopter  
 Maximum Lens Diameter.....80mm  
 Lighting lamp.....220V/3W; 110V/3W  
 Eyepiece Focusing.....-5D to +5D  
 Voltage & Power.....AC110V/60Hz;AC220V/50Hz  
 or DC3V (2 AA batteries)  
 Weight.....360g



CE

**YZ-6H OPHTHALMOSCOPE(AC)**

LED LAMP

**SPECIFICATIONS**

Illumination Form.....big spot(Φ3.2mm),small spot(Φ1.6mm)  
 red-free, central network, slit  
 Diopter Compensation.....0,±1,±2,±3,±4,±5,±6,±8,  
 ±10,±12,±16,±20,-25,-35(D)  
 Power Supply.....110V/220V  
 Illumination Bulb.....3V 2.8W LED lamp



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**YZ-24 STREAK RETINOSCOPE(AC)**

**SPECIFICATIONS**

Working distance.....1m  
 Adjustable range of streak.....3mm~20mm  
 Streak rotation.....360°  
 Illumination bulb.....3.5V/2.5W Halogen lamp  
 Power supply.....110V/220V



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**YZ-11D RECHARGEABLE OPHTHALMOSCOPE**

**SPECIFICATIONS**

Illumination Source.....3.5V 2.8W halogen bulb  
 Recharging Unit  
 Input Voltage.....110V/220V  
 Diopter Compensation.....0,±1,±2,±3,±4,±5,±6,±8,  
 ±10,±12,±16,±20,-25,-35(D)  
 Illumination Form.....big spot, small spot, slit, central network, red-free  
 Power(main body).....Li+battery pack 3.7V, rechargeable



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**YZ-24B RECHARGEABLE STREAK RETINOSCOPE**

**SPECIFICATIONS**

Working distance.....0.67m  
 Adjustable range of streak.....3mm~20mm  
 Streak rotation.....360°  
 Illumination source.....3.5V/2.5W Halogen bulb  
 Input voltage.....AC220V/50Hz;110V/60Hz  
 Power(main body).....Li+battery pack DC3.7V

**WORKING CONDITION**

Temperature.....5°C~40°C  
 Relative Humidity.....30%~75%  
 Atmospheric Pressure.....700hPa~1060hPa  
 Power.....Charger: AC100-240V, 50-60Hz  
 Retinoscope: DC 3.7V Li + Battery



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**YZ11D-YZ24B RECHARGEABLE OPHTHALMOSCOPE & STREAK RETINOSCOPE**

**FEATURES**

- It's composed of 1 pc of ophthalmoscope YZ-11D, 1 pc of streak retinoscope YZ-24B and 1 pc of charger with 2 charging holes for both of them.
- The two instruments can be charged at the same time in 1 charger.



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**CP-32AT DIGITAL PUILOMETER(PD METER)**

MECHANICAL

**SPECIFICATIONS**

Data range.....Binocular PD: 45~82mm  
 Monocular PD: 22.5~41mm  
 Distance range.....30cm~infinity ∞  
 Indication error.....≤0.5mm  
 Rounding error.....≤0.5mm  
 Asymmetric error.....≤0.5mm  
 Power source.....DC 1.5V(1pcs AA batteries)  
 Automatic standby..... 1 minutes  
 Instrument size.....320(L)X230(W)X110(H)mm  
 Net weight.....800g



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**CP-32A1 DIGITAL PUILOMETER(PD METER)**

MECHANICAL

**FEATURES**

Effective range of measurement:  
 Range of binocular PD.....45~82mm  
 Range of monocular PD.....22.5~41mm  
 Absolute value of indicated error.....≤0.5mm  
 Absolute value of asymmetrical error.....≤0.5mm  
 Absolute value of rounding error.....≤0.5mm  
 Distance of testing target.....30cm~∞  
 Power source.....1pc battery  
 Dimension and weight.....230X170X620mm,0.7kg



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**CP-32C1 DIGITAL PUILOMETER(PD METER)**

**SPECIFICATIONS**

Data range.....Binocular PD: 45~82mm  
 Monocular PD: 22.5~41mm  
 Distance range.....30cm~infinity ∞  
 Indication error.....≤0.5mm  
 Rounding error.....≤0.5mm  
 Asymmetric error.....≤0.5mm  
 Power source.....DC 3V(2pcs AA batteries)  
 Automatic standby..... 1 minutes  
 Instrument size.....320(L)X230(W)X110(H)mm  
 Net weight.....800g



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**CX-8 DIGITAL PUILOMETER (PD METER)**

**SPECIFICATIONS**

Data show range.....two eyes PD 44~83mm  
 Effective measure range.....two eye PD 45~82mm  
 Minimum show equivalent.....0.5mm  
 Instrument measure accurate.....0.5mm  
 Target distance.....30mm~∞  
 Power supply.....direct current 6V(4 AA cell)  
 Automatic shut time.....about one minute after stopping  
 One eye isolator.....offer  
 Instrument size.....214(L)X150(W)X51(H)mm  
 Net weight.....600g



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**CP-30 DIGITAL PUILOMETER (PD METER)**

Simple & Convenient

**SPECIFICATIONS**

Effective measuring range...Binocular pupil distance: 46~80mm  
 Indication error.....≤0.5mm  
 Asymmetry error.....≤0.5mm  
 Rounding error.....≤0.5mm  
 Power supply.....1pc of 12VDC 23A Battery  
 Auto-shutdown.....When the instrument is kept flat  
 Instrument size.....175X85X30mm  
 Net weight.....180g

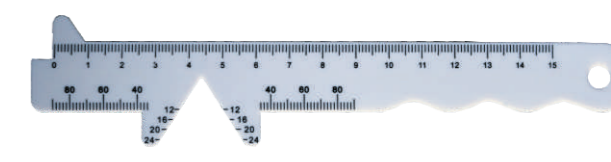


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**PR-3 PD RULER**



**PR-4 PD RULER**



**BIO-1000 VISUAL FIELD ANALYZER**

**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.

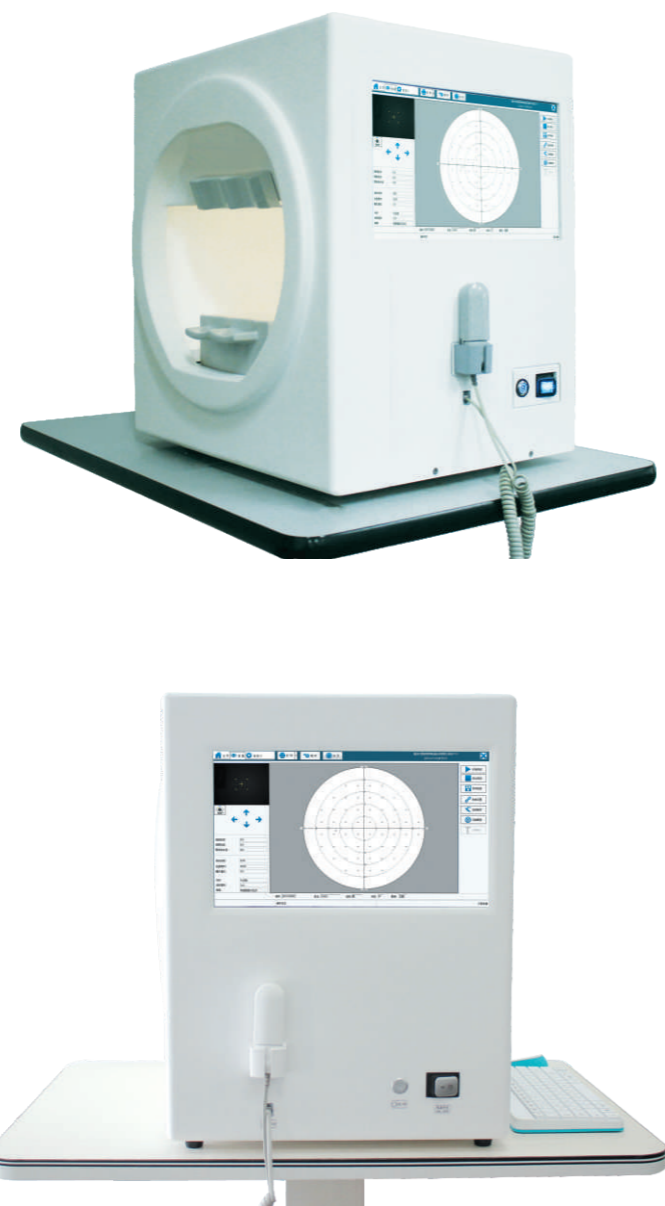
**SPECIFICATIONS**

Inspection range.....90° full-functioned perimeter  
 Inspection distance.....30cm  
 Background luminance.....White 31.5asb  
 Visual target brightness.....1~10000asb  
 Visual target size.....Goldmann III  
 Visual target interval time.....200ms  
     Standard or adjustment according to patient reflection  
 Threshold test model.....Center 5°-16, center 10°-68,  
     24-2,30-2,30°-60°, nasal step  
 Upper threshold test model.....30°-40, 30°-76,P-60,60°-81,  
     60°-120, 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  
     monitoring, 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 develop ing analysis, VFI vision index analysis  
 Operation system.....WIN7 above

**Others**

Size.....412mm(L)X497mm(W)X513mm(H)  
 Weight.....17kg  
 Power.....100-240V, 50-60Hz

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 offering up to 11 analysis reports by international standards, the device provides scientific approaches for clinical diagnosis of glaucoma, retinal diseases, visual impairments and related neurological diseases, etc..



**CP-31A POWER TABLE**

**FEATURES**

- It's made of imported materials and absorb the foreign advanced technology.
- Featuring with fine appearance, safety and credibility of operation system.
- Its load capacity can reach 75kgs at most.
- It is easy and convenient to move the table, low noise, stable and large range for up and down(630mm~820mm).

**SPECIFICATIONS**

Size of table top.....40X48cm  
 Power.....110V/60Hz, 220V/50Hz  
 Motor.....AC motor  
 Wheel.....Strong good wheel



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**CP-31ADT POWER TABLE**

**FEATURES**

- New design with drawer for trial lens set
- Big power AC motor
- Strong castors
- Move up and down stably and low noise

**SPECIFICATIONS**

Table size.....42.5X68cm  
 Drawer size.....53x39x5.5cm  
 Height adjustment.....630~820mm  
 Max. load.....50~75kgs  
 Input voltage.....220V/50Hz, 110V/60Hz



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**CP-180A COMBINATION TABLE**

WITH SLIDING PLATE

**FEATURES**

- Simple but multifunction, with phoropter arm and projector stand
- Phoropter arm can be moved up and down, and turn around by manual
- Sliding table makes it easy to move the refractometer.

**SPECIFICATIONS**

|                                      |                           |
|--------------------------------------|---------------------------|
| Unit size.....                       | 900x520x1710mm            |
| Table size.....                      | 900x500mm                 |
| Sliding plate size.....              | 300x400mm                 |
| Drawer size.....                     | 543x370x50mm              |
| Phoropter arm up and down range..... | 190mm                     |
| Height of projector stand.....       | 1510mm                    |
| Power of lamp.....                   | 110V/220V, 60HZ/50HZ, 15W |
| Power of unit.....                   | 110V/220V, 60HZ/50HZ, 80W |
| Packing / Weight.....                | 980x590x420mm/60kgs       |



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**CP-180AT COMBINATION TABLE AND CHAIR**

WITH SLIDING PLATE

Full functions of CP-180A, with electric chair  
Chair up and down range: 150mm



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**CP-180B COMBINATION TABLE**

WITH SLIDING PLATE

Full functions of CP-180A, but without projector stand



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**WB-280 COMBINATION TABLE**

MOTORIZED ROTATING PHOROPTOR ARM

**FEATURES**

- Phoropter arm can rotate 90° automatically
- Big table top with sliding plate
- Big drawer for trial lens set

**SPECIFICATIONS**

|                                       |             |
|---------------------------------------|-------------|
| Table top size.....                   | 97x50cm     |
| Slide plate size.....                 | 40x30cm     |
| Drawer size.....                      | 54x38x6.5cm |
| Range ability of small table top..... | 0-42cm      |
| Range ability of phoropter arm.....   | 0-90°       |
| Height of projector stand.....        | 150cm       |
| Range ability of table.....           | 0-20cm      |
| Power of lamp.....                    | 220V/6W     |
| Power of unit.....                    | 120W        |
| Dimension for the package.....        | 110x60x95cm |



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**WB-380 OPHTHALMIC UNIT & CHAIR**

MOTORIZED ROTATING PHOROPTOR ARM

**FEATURES**

- Phoropter arm can rotate 90° automatically
- Big table top with sliding plate
- Big drawer for trial lens set

**SPECIFICATIONS**

|                                       |              |
|---------------------------------------|--------------|
| Table top size.....                   | 97x50cm      |
| Slide plate size.....                 | 40x30cm      |
| Drawer size.....                      | 54x38x6.5cm  |
| Range ability of small table top..... | 0-42cm       |
| Opening angle of table.....           | 45°          |
| Range ability of phoropter arm.....   | 0-90°        |
| Height of projector stand.....        | 150cm        |
| Range ability of chair.....           | 0-15cm       |
| Range ability of table.....           | 0-15cm       |
| Power of lamp.....                    | 220V/6W      |
| Power of unit.....                    | 120W         |
| Dimension for the package.....        | 105x84x100cm |



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**CP-600A OPHTHALMIC UNIT & CHAIR**

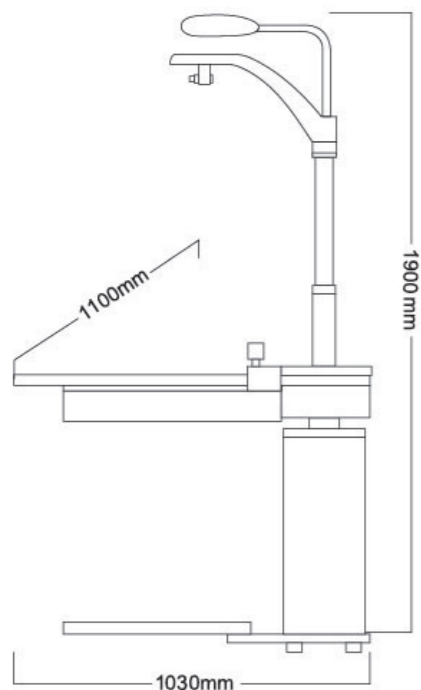
ELECTRIC PHOROPTOR ARM

**SPECIFICATIONS**

|                                      |                       |
|--------------------------------------|-----------------------|
| Table-top size.....                  | 103x50cm              |
| Slide plate size.....                | 30x40cm               |
| Drawer size.....                     | 54.5x37x5cm           |
| Unit Size.....                       | 103x83x186cm          |
| Range ability of small tabletop..... | 6 to46cm              |
| Range ability of phoroptor arm.....  | 156 to 186cm          |
| Height of projector stand.....       | 150cm                 |
| Chair Size.....                      | 68x59x134.5cm         |
| Range ability of chair.....          | 119.5 to 134.5cm      |
| Power of lamp.....                   | 15W, 110/220V,60/50Hz |
| Power of unit.....                   | 165W                  |

**FEATURES**

- Phoroptor arm can rotate 90° automatically
- Big table top with sliding plate
- Big drawer for trial lens set



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Control panel: Press the switch to control the lamp, chair, phoroptor arm



Phoroptor arm: It can work up and down, and rotate 90° automatically



Table top: Big table top can rotate 90°, small table top can move left and right and with a locking device

**WB-700 OPHTHALMIC UNIT & CHAIR**

ELECTRIC PHOROPTOR ARM

**FEATURES**

- Phoroptor arm can swing 42° automatically
- Big table top with sliding plate
- Big drawer for trial lens set

**SPECIFICATIONS**

|  |             |
|--|-------------|
| Table top size.....                    | 97x50cm     |
| Slide plate size.....                  | 40x30cm     |
| Drawer size.....                       | 54x38x6.5cm |
| Range ability of sliding plate.....    | 0-42cm      |
| Range ability of table top.....        | 0-90°       |
| Range ability of phoroptor arm.....    | 0-42°       |
| Height of projector stand.....         | 150cm       |
| Range ability of electrical chair..... | 0-15cm      |
| Power of lamp.....                     | 6W          |
| Power of unit.....                     | 120W        |

**PACKING SIZE**

|   |                     |
|---|---------------------|
| Dimension for the package of main body..... | 92x50x105cm/140kg   |
| Dimension for the package of table top..... | 115x61x27cm/40kg    |
| Dimension for the package of table top..... | 81.5x62.5x69cm/45kg |



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**WB-800 OPHTHALMIC UNIT & CHAIR**

AUTO PHOROPTOR ARM

**FEATURES**

- Phoroptor arm can rotate 90° automatically
- Big table top with sliding plate
- Big drawer for trial lens set

**SPECIFICATIONS**

|  |             |
|--|-------------|
| Table top size.....                    | 97x50cm     |
| Slide plate size.....                  | 40x30cm     |
| Drawer size.....                       | 54x38x6.5cm |
| Range ability of sliding plate.....    | 0-42cm      |
| Range ability of table top.....        | 0-90°       |
| Range ability of phoroptor arm.....    | 0-90°       |
| Height of projector stand.....         | 150cm       |
| Range ability of electrical chair..... | 0-15cm      |
| Power of lamp.....                     | 6W          |
| Power of unit.....                     | 120W        |

**PACKING SIZE**

|   |                     |
|---|---------------------|
| Dimension for the package of main body..... | 92x50x105cm/140kg   |
| Dimension for the package of table top..... | 115x61x27cm/40kg    |
| Dimension for the package of table top..... | 81.5x62.5x69cm/45kg |



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**ALE-1000A PATTENLESS LENS EDGER**

2D

**ALE-1000 Main Edger**

Stable main machine, easy operation, convenient maintenance.

- Dimension.....730mmx510mmx410mm
- Weight.....55kgs
- Voltage.....AC220V/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.....80kgs
- Lens Material.....PC, Glass, CR, HI, HR, TC
- The processing type.....pointy edges, platband, bevel polishing, platband polishing
- Screen.....truecolor, 5.7 inch TFT LCD, lens photograph displayed as 1:1 and with use-friendly operating interface



Optical path without parallax, original shape scanning, more accurate.

**ST-1200 Scanner**

Optical path without parallax, original shape scanning, more accurate.

- Dimension.....325mmx250mmx205mm
- Weight.....5kgs
- Voltage.....AC230V/115V 50/60Hz
- Power.....60W
- ADD adjustment range.....6mm
- Screen tilt angle.....0~130°
- Max storage.....500 sets
- Touch screen.....7 inch capacitive screen
- Quantity connecting with the main machine.....2 units

**Standard accessories**

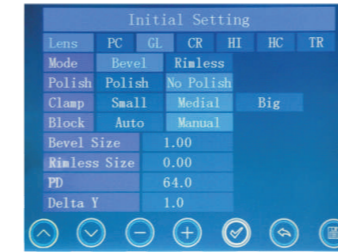
Water box and water pump

**Optional accessories**

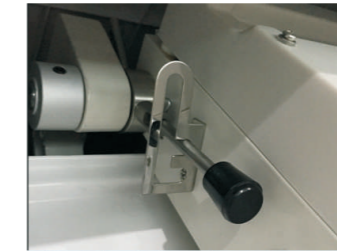
Working Cabinet



**ALE-1000A**



Adapt to PC, Glass, Resin, HI, HC and TR lens material.



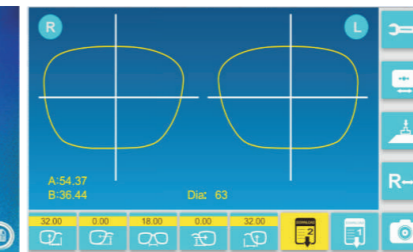
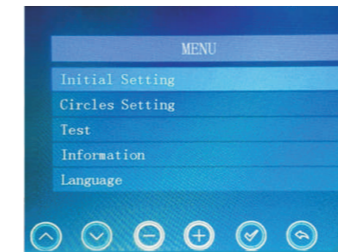
Three grade headpiece pressure to prevent the lens from being out of axis.



Have the optical centering and geometric centering modes.



Three grade headpiece pressure

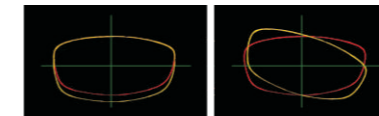


All English and graphical menu, easy operation and convenient maintenance.

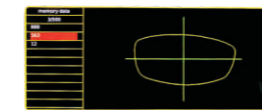


TINE 1: Bevel 1 is suitable for Index beyond 1.61 or harder glasses.  
TINE 2: Bevel 2 is suitable for Index under 1.61 or high curve glasses.

**ST-1200**



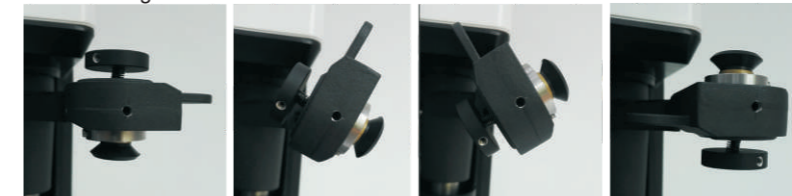
Digital template can edit the figure



500 sets lenses data storage



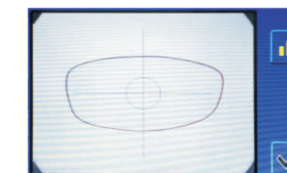
One scanner with two main machines



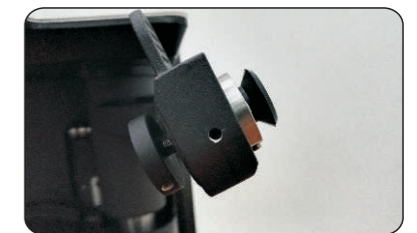
Turn out to install the suction cup, more easy operation.



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.



**LE-400A** AUTOMATIC LENS EDGER

**FEATURES**

With the automatic emendation system in this new model, it can do automatic emendation when the machine starts up, assure the size of lens(left and right) is uniform and improve the precision.

**SPECIFICATIONS**

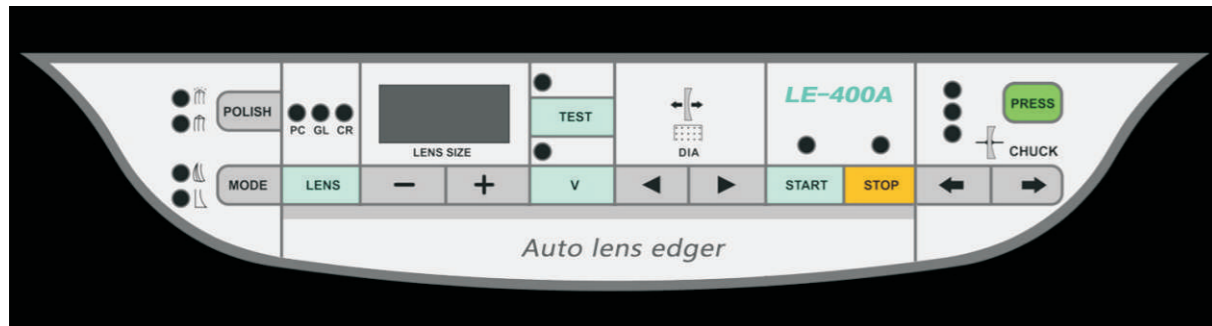
The size of Diamond wheel.....PC wheel: Φ100X15.6mm  
 Glass wheel: Φ100X16mm  
 V wheel: Φ100X23mm  
 Flat style polishing wheel: Φ100X11mm  
 Available lens range.....Φ22~100mm  
 The processing type.....pointy edges, platband, flat polishing  
 The lens material.....CR, Glass, PC  
 Size.....550(L)X510(W)X410(H)mm  
 Voltage.....220V±10%, 50Hz/110V±10%, 60Hz  
 Power.....500W

**Function of LE-400A**

**BEVEL POLISH function is not available.**



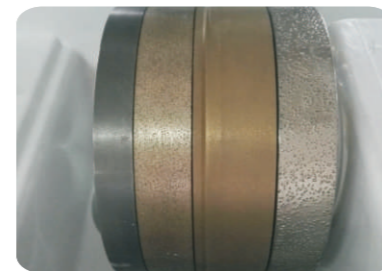
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Water box and water pump are standard accessories



Cabinet is optional accessory



Wheel of LE-400A



Wheel of LE-420A

**LE-420A** AUTOMATIC LENS EDGER

**FEATURES**

LE-420A has all functions of LE-400A, furthermore, it has PC bevel polishing function.

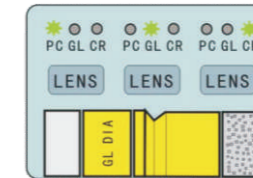
**SPECIFICATIONS**

The size of Diamond wheel.....PC wheel: Φ100X15.6mm  
 Glass wheel: Φ100X14mm  
 V wheel: Φ100X19mm  
 Flat style & bevel polishing wheel: Φ100X19mm  
 Available lens range.....Φ22~100mm  
 The processing type.....pointy edges, platband, flat polishing, bevel polishing  
 The lens material.....CR, Glass, PC  
 Size.....550(L)X510(W)X410(H)mm  
 Voltage.....220V±10%, 50Hz/110V±10%, 60Hz  
 Power.....500W

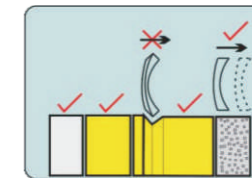
**Function of LE-420A**



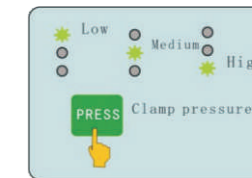
**POLISH**  
Polishing and impolishing selector



**LENS**  
Various materials lens processing. Select different wheel as per material of lens, save time and save trouble.



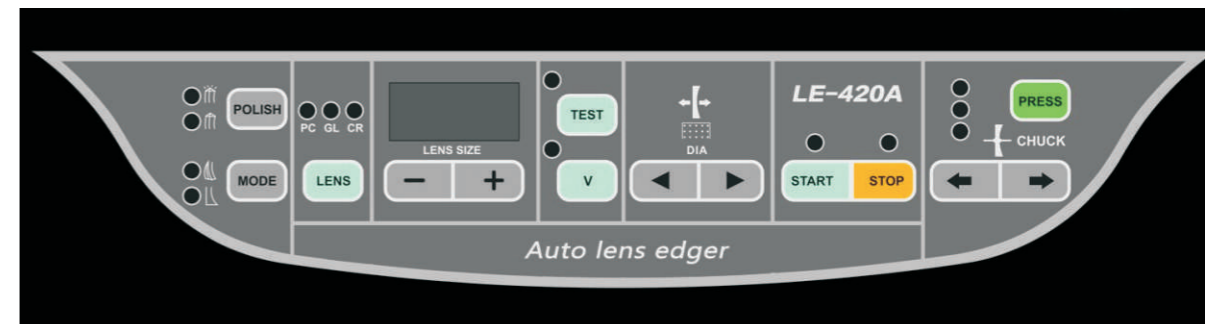
**DIA**  
Use diamond wheels effectively. The grinding place can be moved for prolong the life of the wheels. Efficiently utilize the width of the abrasive disc.



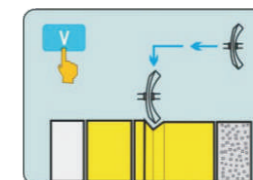
**CLAMP PRESSURE**  
3 kinds of pressure for selecting



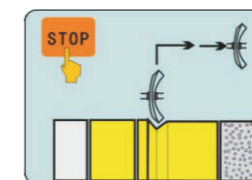
CE



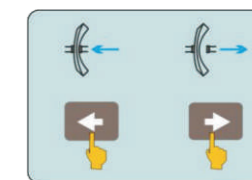
**MODE**  
Beveling and flat edge selector



**V TEST**  
V for Re-edging  
TEST for normal test



**STOP**  
It has been used when a pause is needed during the grinding process and also to be restored to the original place.



**CHUCK**  
Automatic clamping lens system.



**LE-300A AUTOMATIC LENS EDGER**

**FEATURES**

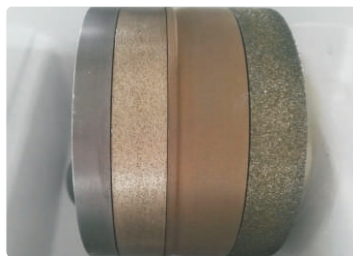
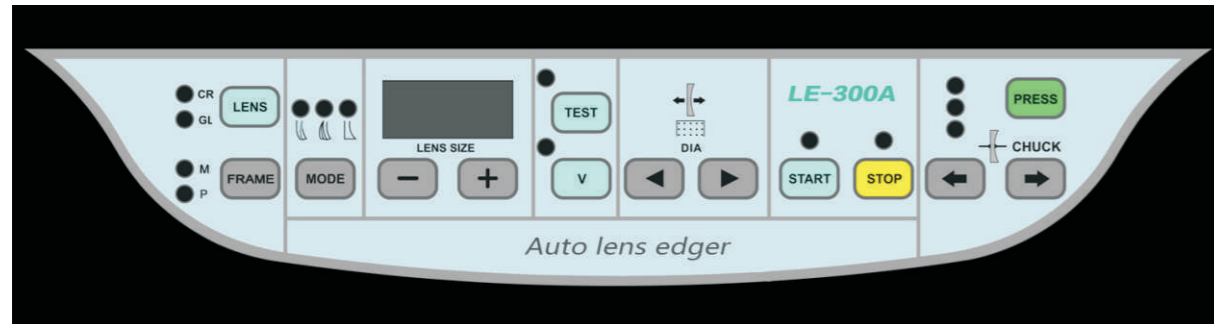
With the automatic emendation system in this new model, it can do automatic emendation when the machine starts up, assure the size of lens (left and right) is uniform and improve the precision.

**SPECIFICATIONS**

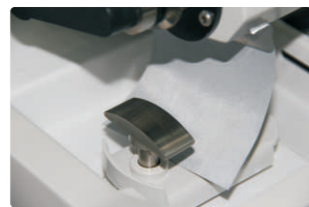
The size of Diamond wheel.....CR wheel: Φ100X16mm  
 Glass wheel: Φ100X16mm  
 V wheel: Φ100X23mm  
 Polishing wheel: Φ100X11mm  
 Available lens range.....Φ22~100mm  
 The processing type.....pointy edges, platband, flat polishing  
 The lens material.....CR, Glass  
 Size.....550(L)X510(W)X410(H)mm  
 Voltage.....220V±10%, 50Hz/110V±10%, 60Hz  
 Power.....500W



**Function of LE-300A**



Wheel of LE-300A



**Standard accessories for LE series auto lens edger**



K1101



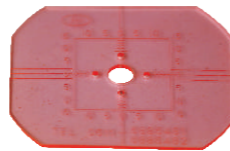
K1102



K1103



K1104



K1121

**LE-520 AUTOMATIC LENS EDGER**

**FEATURES**

- Beveling polishing function
- Pressurizing automatically
- PC auto edger
- The 3rd generation mainboard
- Double bevel model

**SPECIFICATIONS**

The size of Diamond wheel.....PC wheel: Φ100X15.6mm  
 V wheel: Φ100X19mm  
 Bevel polishing wheel(bevel 1): Φ100X19mm  
 V wheel(bevel 2): Φ100X11mm  
 Available lens range.....Φ22~100mm  
 The processing type.....pointy edges, platband, flat polishing, bevel polishing  
 The lens material.....CR, Glass, PC  
 Size.....550(L)X510(W)X410(H)mm  
 Voltage.....220V±10%, 50Hz/110V±10%, 60Hz  
 Power.....500W

Equipped with specific materials, the LE-520 automatic lens edger inherits the design style of Medop LE series auto lens edger, and improve the bevel wheel for high curve lens instead of the glass wheel.



**BLOCK PADS for LE series lens edger**

**T648 BLOCK PADS**

21mm



**T650 BLOCK PADS**

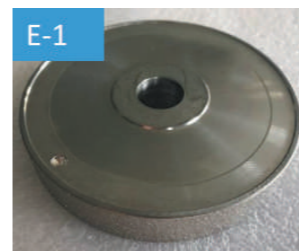
18x25mm



Box packing  
1000pcs pads each box

**GRINDING WHEEL for LE series lens edger**

**T671**



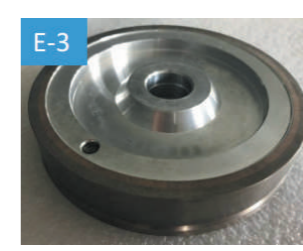
PC wheel  
100(OD)x17(ID)X15.6(T)mm

**T672**



V wheel  
100(OD)x17(ID)X19(T)mm

**T673**



Polishing wheel  
100(OD)x17(ID)X19(T)mm

**T674**



Glass wheel  
100(OD)x17(ID)X14(T)mm

**CP-10B LENS DRILLING MACHINE**  
**CP-10C LENS DRILLING MACHINE**

AC motor

**FEATURES**

It is an indispensable machine to fully automatic edger.  
 Use this machine to make direct drilling in the gasket.  
 The gasket can replace for dieplate in using the edger.  
 It saves the trouble of opening the mould.  
 It is practical, convenient and labor-saving



CP-10B: With LED lamp  
 CP-10C: Without LED lamp



**CP-5B LED LAYOUT BLOCKER**

**FEATURES**

- Compact and pretty appearance design
- No vision difference on the display screen, no deformation and accurate lens layout obtained
- Compensating the accuracy of the lens and suction cup position
- Bifocal lens can be positioned quickly and accurately,
- The small lens can also be put in clear projection



**WB-3310A LENS DRILLING MACHINE**

**FEATURES**

Add one sliding lens-fix device, can slide out aligned with Axis, and press/fix the lens for drilling it



**PM-400AT PATTERN MAKER**

- Being based on the patterned lens or the original lens from your eyeglasses to make the standard pattern .
- It is easy and convenient to use clamping device equipped with 3 suction cup bases according to different model of lens edger and easy operation, quick speed of cutting and accuracy.
- Suction cup base: Topcon, Briot, Takubo



**CP-24C LENS DRILLING & SLOTTING MACHINE**

**FEATURES**

It's multi-functional special-purpose equipment for perforating and grooving of rimless frame.  
 It's most applicable to CR lens and PC lens to perforate and groove  
 Opposing taper drill 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 up wards to be enlarged to desired size.  
 The adjustable groove-cutting device can get accurate depth of groove cutting



**CP-3CR AUTOMATIC LENS GROOVER**

Stainless steel panel, common blade

**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.

**SPECIFICATIONS**

Adjustable groove depth : From 0 TO 0.7MM  
 Groove width : 0.65mm  
 Lens thickness : from 1.5 to 11mm  
 Lens dia. : from 18 to 70mm  
 Power : 110/220V ,60/50HZ; 60W  
 Weight : 3kgs  
 Dimensions: 280x230x220mm



**CP-7 HAND EDGER**

DC MOTOR

**FEATURES**

The hand edger is delicate and compact, small footprint.  
 DC motor, low noise, slight vibration.



Diamond grinding wheel available:20# , 30# , 35W, 35WV



**CP-19T FRAME WARMER**

**FEATURES**

Ceramic heating

**SPECIFICATIONS**

Power supply..... AC110/220V,60/50Hz  
 Power of heating coil.....500W  
 Power of motor.....15W  
 Wind speed.....1.8m/s  
 Available temperature : 160°C( from 80°C-160°C need about 3mins)  
 Weight.....1.6kgs  
 Dimension.....230x230x200mm



CE

**CP-19C FRAME WARMER**

**FEATURES**

Heating coil

**SPECIFICATIONS**

Power supply..... AC110/220V,60/50Hz  
 Power of heating coil.....500W  
 Power of motor.....15W  
 Wind speed.....1.8m/s  
 Available temperature.....80°C~130°C  
 Weight.....1kg  
 Dimension.....210x160x270mm



CE

**YK-101 FRAME WARMER**

**TECHNIQUE REQUIREMENTS**

Rate voltage.....110V,60Hz / 220V, 50Hz  
 Rated power.....500W  
 Heating temperature(Max.).....110°C  
 Noise.....≤70dB(A)  
 Protection level.....II grade electric appliances

**TECHNIQUE PARAMETERS**

Power of warming wires.....480W  
 Power for electric motor.....6W  
 Wind speed.....2.0m/S  
 Warming temperature.....Temp.1: 80°C  
 Temp.2: 100°C



CE

**CP-8 AUTOMATIC LENS POLISHER**

**FEATURES**

Automatic lifting, light and heavy can be adjusted.  
 "Auto stop" control by microcomputer.

**SPECIFICATIONS**

Dimensions.....350(L)X290(W)X340(H)mm  
 Weight.....6kgs  
 Power requirement.....110V/220V 60Hz/50Hz 80W



CE

**CP-113T ULTRASONIC CLEANER**

**FEATURES**

Remarkable cleaning effect, small volume, large power, easy use.  
 It is equipped with water-proof system.

**SPECIFICATIONS**

Dimensions.....240x210x2100mm  
 Weight.....2.5kg  
 Power.....110V/220V, 60Hz/50Hz,50W



CE

**WB-2214D PHOTOCROMIC LENS TESTER**

**FEATURES & SPECIFICATIONS**

Lamp.....15 LED  
 Power.....24W  
 Input power.....DC12V  
 Wave length.....365~405nm  
 Timer.....30/60S



CE

**DK-008 ULTRASONIC CLEANER**

**FEATURES**

Digital control  
 42KHz for intensive rinse  
 1~30 minutes working time  
 Die casting stainless steel tank



CE

**SPECIFICATIONS**

Ultrasonic frequency.....42KHz  
 Tank.....SUS304 stainless steel  
 Housing.....Stainless steel  
 capacity.....800ml  
 Time control.....0-30 minutes,  
 18 cleaning time optional, digital control  
 Input voltage.....AC100-120V / AC 220-240; 50/60Hz  
 Ultrasonic Power.....35W  
 Dimensions.....180x110x120mm  
 Gross Weight.....1.3kg



**T665-90R GRINDING WHEEL**

**FOR BRIOT EDGER**

Function.....Rough wheel for glass  
Size.....Ø90mm(OD)x19mm(ID)X 16mm(T)

**T665-90FV GRINDING WHEEL**

**FOR BRIOT EDGER**

Function.....Finishing-V wheel for PC/glass/CR39  
Size.....Ø90mm(OD)x19mm(ID)X18mm(T)

**T665-90PC GRINDING WHEEL**

**FOR BRIOT EDGER**

Function.....PC wheel for PC/CR39  
Size.....Ø90mm(OD)x19mm(ID)X18mm(T)

**T665-90PCG GRINDING WHEEL**

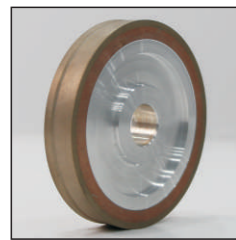
**FOR BRIOT EDGER**

Function.....PC groove wheel for PC/CR39  
Size.....Ø90mm(OD)x19mm(ID)X18mm(T)

**T665-90PV GRINDING WHEEL**

**FOR BRIOT EDGER**

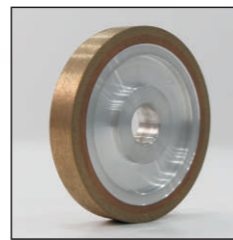
Function.....Polishing-V wheel for PC/CR39  
Size.....Ø90mm(OD)x19mm(ID)X18mm(T)



**T668-100FV**



**T668-100PV**



**T668-100R**



**T668-100PC**

**T668-100FV GRINDING WHEEL**

**FOR NIDEK EDGER**

Function.....Finishing-V wheel  
Size.....Ø100mm(OD)x19mm(ID)X 17.5mm(T)

**T668-100R GRINDING WHEEL**

**FOR NIDEK EDGER**

Function.....ROUGH glass wheel  
Size.....Ø100mm(OD)x19mm(ID)X 17mm(T)

**T668-100PV GRINDING WHEEL**

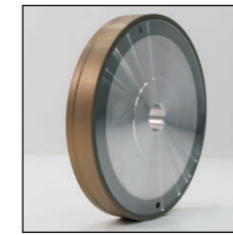
**FOR NIDEK EDGER**

Function.....Polishing-V wheel  
Size.....Ø100mm(OD)x19mm(ID)X 17.5mm(T)

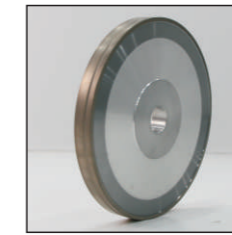
**T668-100PC GRINDING WHEEL**

**FOR NIDEK EDGER**

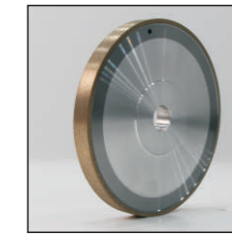
Function.....PC groove wheel  
Size.....Ø100mm(OD)x19mm(ID)X 17mm(T)



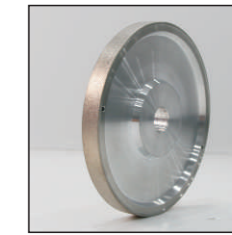
**T666-155FV**



**T666-155PV**



**T666-155R**



**T666-155PC**

**T666-155FV GRINDING WHEEL**

**FOR ESSILOR KAPPA EDGER**

SPECIFICATIONS  
Function.....Finishing-V wheel  
Size.....155mm(OD)x20mm(ID)X 22mm(T)

**T666-155R GRINDING WHEEL**

**FOR ESSILOR KAPPA EDGER**

SPECIFICATIONS  
Function.....ROUGH glass wheel  
Size.....155mm(OD)x20mm(ID)X 22mm(T)

**T666-155PV GRINDING WHEEL**

**FOR ESSILOR KAPPA EDGER**

SPECIFICATIONS  
Function.....Polishing-V wheel  
Size.....155mm(OD)x20mm(ID)X 15mm(T)

**T666-155PC GRINDING WHEEL**

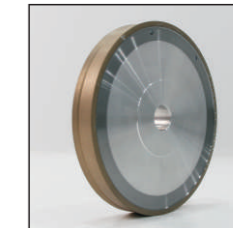
**FOR ESSILOR KAPPA EDGER**

SPECIFICATIONS  
Function.....PC wheel  
Size.....155mm(OD)x20mm(ID)X 15mm(T)

**T667-155FV GRINDING WHEEL**

**FOR ESSILOR M EDGER**

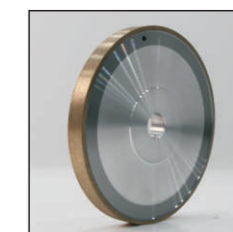
SPECIFICATIONS  
Function.....Finishing-V wheel  
Size.....155mm(OD)x20mm(ID)X 22mm(T)



**T667-155R GRINDING WHEEL**

**FOR ESSILOR M EDGER**

SPECIFICATIONS  
Function.....ROUGH glass wheel  
Size.....155mm(OD)x20mm(ID)X 15mm(T)



**T667-155PC GRINDING WHEEL**

**FOR ESSILOR M EDGER**

SPECIFICATIONS  
Function.....PC groove wheel for PC/CR39  
Size.....155mm(OD)x20mm(ID)X 22mm(T)

