The new quality standard from Topcon...

Topcon’s new CV-5000 automatic phoropter head sets new quality standards. Fast lens rotation provides comfort for user and patient. Compact and contemporary design enhances the professional image of your practice.

- Compact design
- Fast lens rotation
- Comortable operation
- Near chart illumination
**Features**

**Compact, open and contemporary design**

A 50% volume reduction compared to previous models allows the operator to monitor the patient’s expression during the refraction. The contemporary design is appealing to both users and patients and emphasizes the professionalism of the user.

**High speed lens disc rotation**

Efficient lens disc rotation reduces ocular stress as well as confusion for the patient and the refraction time is reduced. The lens disc rotation speed has been increased 50% compared to previous models.

**Illumination comes standard**

Four LEDs provide bright illumination of the near test chart. The use of external illumination is no longer required.

**Tilting function for near vision tests**

To provide a natural reading position during the near tests, the CV-5000 head can be tilted. The tilting angle can be fixed in a wide range of angles.
Enhanced patient care

CV-5000 / KB-50 provides unique features to assist patient consultation.
Large 10.4 inch color LCD touch screen
The worlds largest touch screen provides clear display of examination data. User friendliness has improved dramatically compared to previous models. The highest operation comfort level is achieved by using this large and clear screen.

Easy-to-understand layout
The newly designed user interface offers the best in user friendliness. All relevant data can be viewed at a glance. The display layout can be modified to the users preference.

Dial navigation function
On request the dial navigation function is available. Dial navigation indicates the rotation direction of the 1-dial according to the responses of the patient. Comfort at its best!

Multiple "HELP“ function
By just the touch of a button the HELP display is activated. HELP provides useful information on the selected test. A simplified (short text) or an advanced (longer text) HELP display can be selected.

Your own chart pages
Chart selection is operated through five tab pages in the touch panel. Next to the conventional charts for Topcon chart projectors, the defined charts can be implemented. The layout of the five tab pages can be defined by the user.

Other beneficial features
Reduced number of operation buttons on the KB-50 improves the ease-of-use. Performs complete optometric extension program - American 21 step routine.
Sales support function

KB-50 provides a sales support function, through which the operator can advise the customer which type of lens is most beneficial to fulfill their needs. Clear images display the view for different lens types, like: single vision, mid range progressive and full range progressive lenses. Lens type selection is made easier and more time saving.

Visual field with Progressive lenses

Customer information

Customers like to know the status of their eyes and why they need corrections. The animated customer information provides clear imagination to a customer.
CV-5000PC can control the CV-5000 head by the use of a mouse. The layout of the user interface ensures a very good overview of the refraction data. A dedicated control window provides the ultimate ease-of-use. A unique operating system allowing the operator to use his own PC hardware.

- User friendly interface
- Mouse operated
- Dedicated Control Window
- Ease-of-use

Integration in IMAGEnet i-base

The CV-5000 / KB-50 software integrates with the IMAGEnet i-base software system. Subjective, objective and lensmeter data can be transferred from the CV-5000 system to IMAGEnet i-base™ and assigned to a patient. As the communication is bi-directional IMAGEnet i-base™ can transfer objective, old glasses and lensmeter data to the CV-5000 system as a starting point for subjective refraction.
## Specifications

| Range of Measurement          | Sphere: -27.00D ~ +27.00D (0.25D / 3.00D step) |
|                              | Cylinder: -8.00D ~ +8.00D (0.25D / 0.50D step) |
|                              | Axis of astigmatism: 0° ~ 180° (1° / 5° step) |
| Prism                        | 0 ~ 20Δ (0.1Δ / 0.5Δ / 1.0Δ) |
| Near distance examination    | Optical axis of both lenses converge mechanically at 40cm / 67cm in front of eyes. |
| Binocular balance test       | Rotary prism, R&G filter and polarizing lens methods are available. |
| Cross cylinder               | Jackson cylinder: ±0.25D or ±0.50D |
|                             | Topcon cylinder: ±0.25D |
| PD                           | 48mm ~ 80mm (0.5mm / 1.0mm step) |
| Visual field                 | 35° |
| Corneal alignment            | 2.00mm / 13.75mm / 16.00mm / 18.00mm / 2.00mm |
|                             | CV-5000: Max. 328(W) x 261(H) x 115(D) mm, 4.0Kg |
| Dimensions and weight        | KB-50: Max. 300(W) x 255(H) x 203(D) mm, 2.8Kg |
|                             | Power Supply: 280(W) x 120(H) x 135(D) mm, 5.0Kg |

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### System Chart

- **1 DIAL CONTROLLER KB-50**
- **COMPU VISION CV-5000**
- **CV-5000PC**
- **patient database IMAGEnet i-base**
- **Computerized Lensmeter CL-200**
- **Auto Refractometer RM-8800**
- **Auto Keratometer Refractometer KR-8800**
- **Mirror Chart MC-3**
- **Auto Chart Projector ACP-8 Series**
- **LCD chart system CC-100 series**

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* Subject to change in design and/or specifications without advanced notice.

**IMPORTANT**

In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.