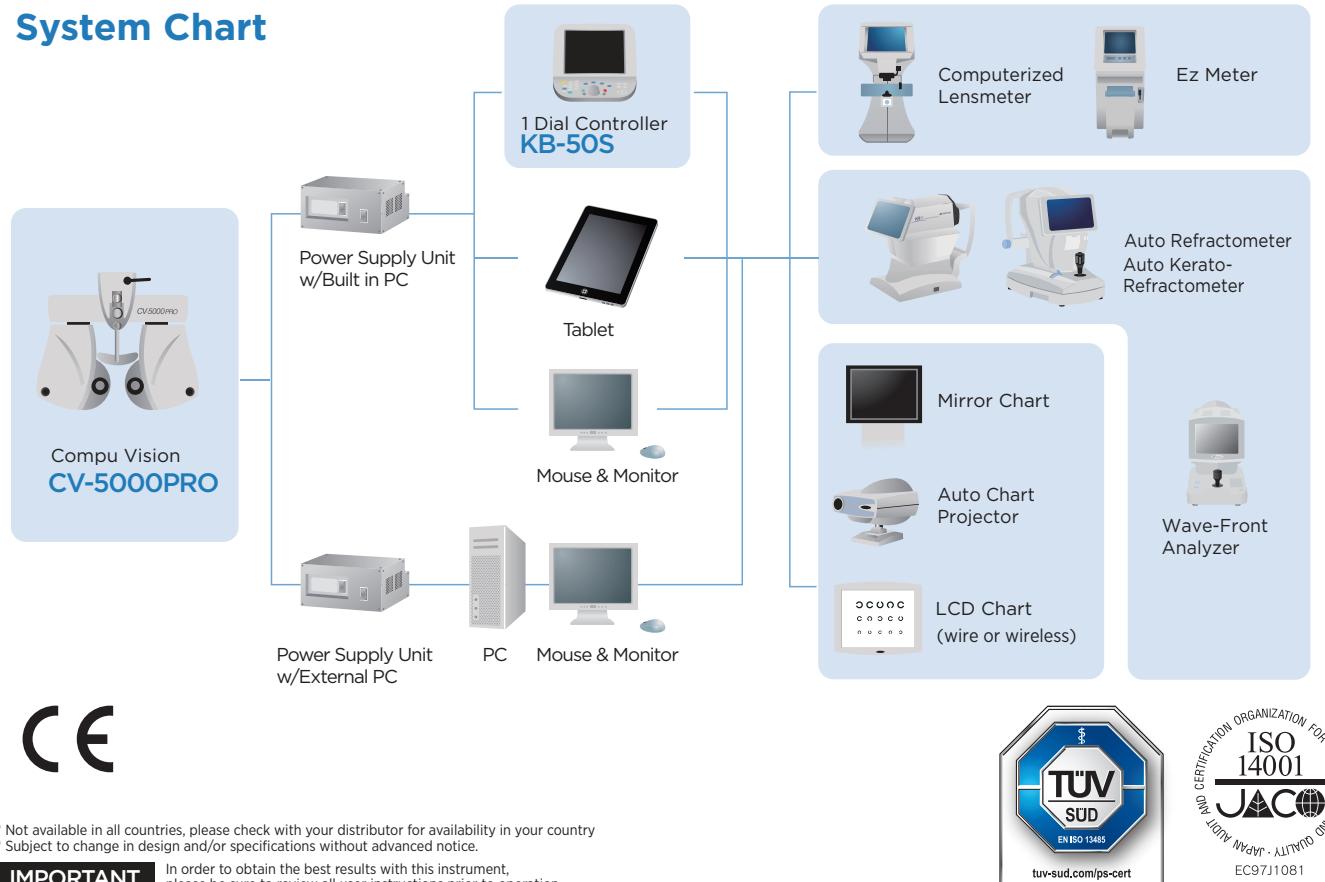


Specifications

Spherical power	Measuring range	+27.00 to -27.00D
	Measuring step	0.25D/1.00D/2.00D/3.00D
Cylinder power	Measuring range	+8.00 to -8.00D
	Measuring step	0.25D/1.00D
Cylinder axis	Measuring range	0 to 180°
	Measuring step	1°/5°/15°
Prism	Measuring range	0 to 20 Δ(all direction)
	Measuring step	0.1Δ/0.2Δ/0.5Δ /1.0Δ
Pupillary distance	Adjustment range	48 to 80mm
	Adjustment step	0.5mm/1.0mm
Cross cylinder	Jackson Cross cylinder	±0.25D/±0.50D
	Auto Cross cylinder	±0.25D
Test lens (Aux lens)	Red-Green filter, Polarizing filter (45°/135°), Prism (6Δ /10Δ), Red Maddox (horizontal/vertical), Lens for retinoscopy (+1.5D/+2.0D), Cross cylinder for measuring presbyopia (±0.50D), Occluding plate, Pinhole, and Cross hairs glass.	
Reference eyeglass wearing distance	12mm, 13.75mm, 16mm, 18mm, 20mm	
Convergence	Near-point distance 40/67cm (Minimum pupillary distance at near-point 40cm convergence : 53mm)	
Forehead rest adjustment range	15mm	
Dimensions and weight	Measuring head(Non-arm mounted type)	294-328mm (W) x 115mm (D) x 261mm (H) 4.0kg
	Measuring head(Arm-mounted type)	294-328mm (W) x 115mm (D) x 324mm (H) 4.6kg
	Power Supply Unit W/External PC	276mm (W) x 197mm (D) x 117mm (H) 2.7kg
	Power Supply Unit W/Built-in PC	276mm (W) x 197mm (D) x 117mm (H) 3.9kg
	1Dial Controller	300mm (W) x 250mm (D) (MAX) x 200mm (H) (MAX) 2.3kg

System Chart



* Not available in all countries, please check with your distributor for availability in your country.
* 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.

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YOUR VISION. OUR FOCUS.

CV-5000PRO Feature

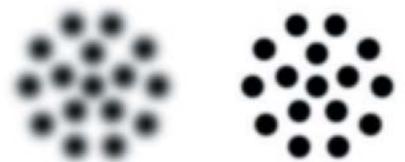
Comfort and Efficiency in a Compact System

CV-5000PRO allows for comfort and efficiency in your refraction. Easy understandable layouts and various programs to support a smooth operation, offers free stress refractions for operators and patients. A quick operation with various controllers and wide connectivity with other devices supports efficient workflow. Comfort and Efficient operations creates better communication with patients, for more satisfaction of refraction results.



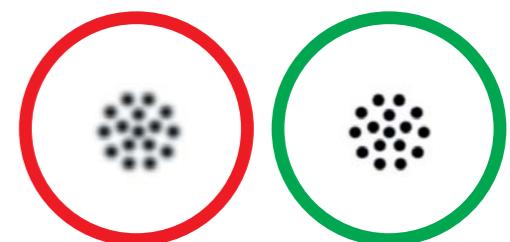
Topcon's Smart Cross System

Topcon's original system, Smart Cross offers a smooth operation for cylinder test. Seeing the different values on flapping, a patient is enable to pick up easily which one they can better distinguish.



Color display for cross cylinder

CV-5000PRO displays the chart in a red or green circle, during cross cylinder tests. A patient quickly mentions their choice, and it enables accurate refraction results.



Compact, Open and Contemporary Design

The open and compact design allows perfect interaction with your patient. The operator is enables to monitor the patient's expression during the refraction.



High Speed Lens Disc Rotation

Efficient lens disc rotation reduces ocular stress as well as confusion for patients. The total refraction time is reduced significantly.



Control Options

Range of control solutions to suit your practice

CV-5000PRO is available with a range of control options, allowing you to tailor the solution to meet your needs and optimize workflow in your practice.



KB-50S

The KB-50S is a dedicated controller for the CV-5000PRO vision tester. This controller enables easy and intuitive operations of the CV-5000PRO. For quick and easy operation, the buttons are ergonomically placed around a central dial control. A large 10.4" color LCD touch screen monitor also provides a range of options.



Tablet*

The wireless tablet option offers a flexible operation within the refraction room; the system can be operated from any location in the room, and control of the refraction system can be combined with other useful clinical tablet applications to optimize patient care. The tablet enables intuitive operation through the touching and swiping of the screen. An operator enables position any location during the refraction, and also use other application software on the same tablet for better consulting.



Operating software on the integrated PC*

Instead of the KB-50S as a controller, software on an integrated CV-5000PRO system PC allows control simply by connecting a mouse and LCD monitor. The user interface normally displayed on a KB-50S is viewed on the LCD monitor.



Operating software on external PC*

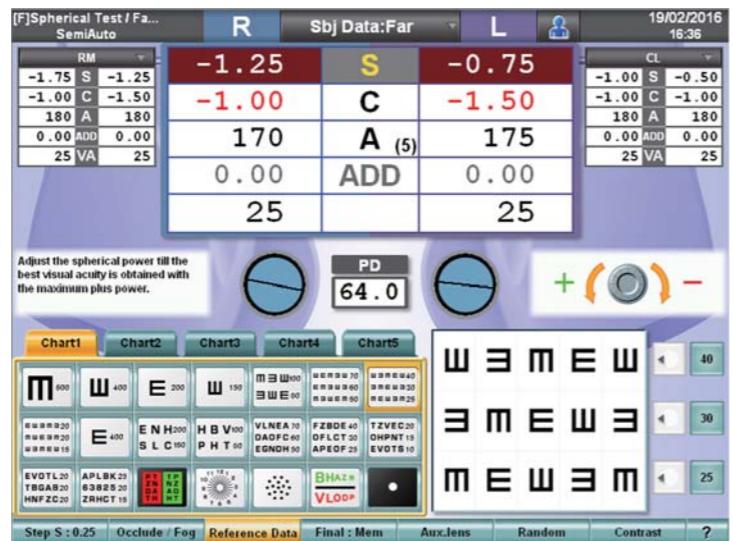
A unique feature in this market is the ability to control the CV-5000PRO vision tester through your own Personal Computer, enabling you to use other software simultaneously.

Easy to Use

Examination Support Features

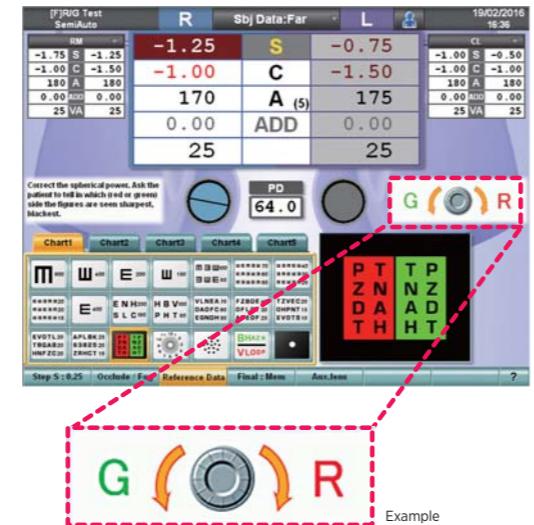
Intuitive Layout

The newly redesigned interface is flexible and easy to use. All relevant data can be viewed at a glance. The layout can be modified to suit the users needs.



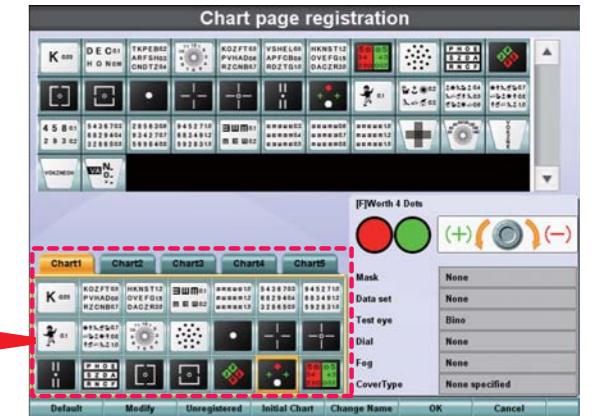
Dial Navigation Function (KB-50S)

The user can select to use the dial navigation function, allowing precise control over the sphere, cylinder or prism power in response to the patient's answers. The ultimate in comfort and ease of use.



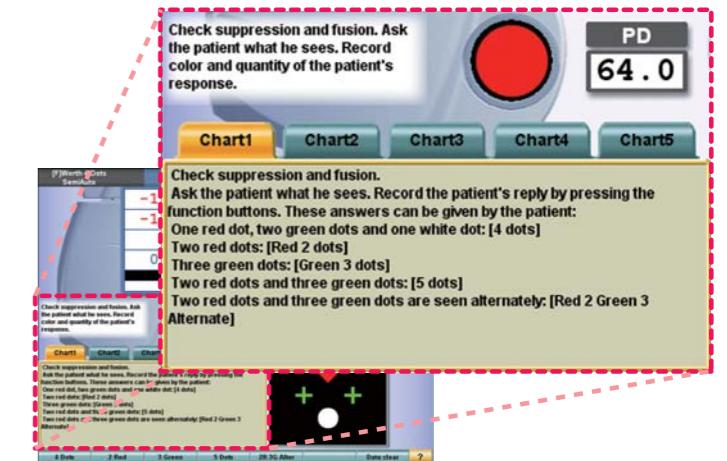
Personalized Chart Pages

A wide range of test chart options are laid out on five tab pages, accessed via the touch panel. This includes the conventional charts used by the Topcon chart projectors. The layout of the pages can be defined by the user, allowing rapid access to favoured charts.



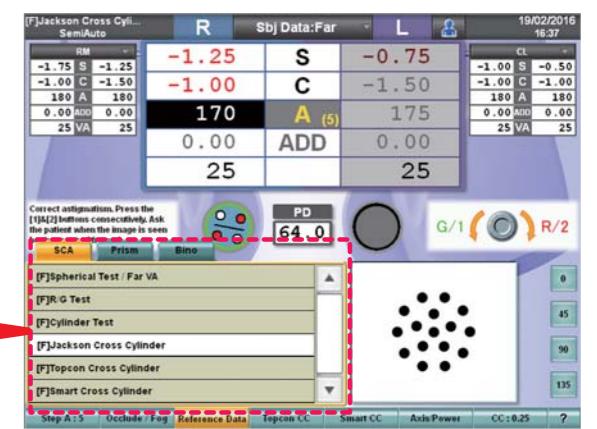
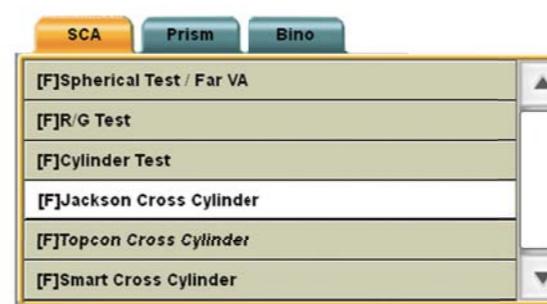
Multiple "HELP" Function

At 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.



Pre defined examinations

The KB-50S provides pre defined examinations to correct the spherical, cylindrical refraction as well as phoria tests and binocular function teste.

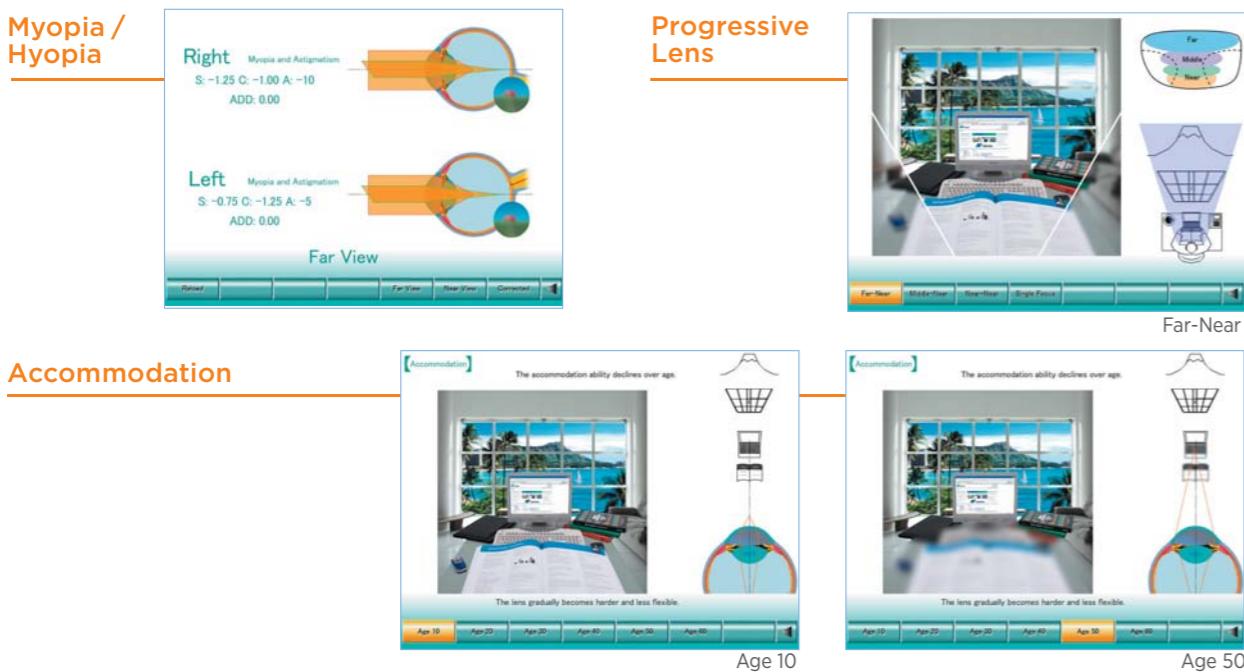


Other Specification

Data Import & Export Functions

Range of illustrations for better communication with patients

CV-5000PRO provides a range of illustrations to help explain progressive lenses, accommodation, and refractive status. Communication with easy understandable animation supports patient's understanding of the examination results.



Tilting Function for Near Vision Tests

To provide a natural reading position during the near tests, the CV-5000PRO head can be tilted. The tilting angle can be fixed with in a wide range.



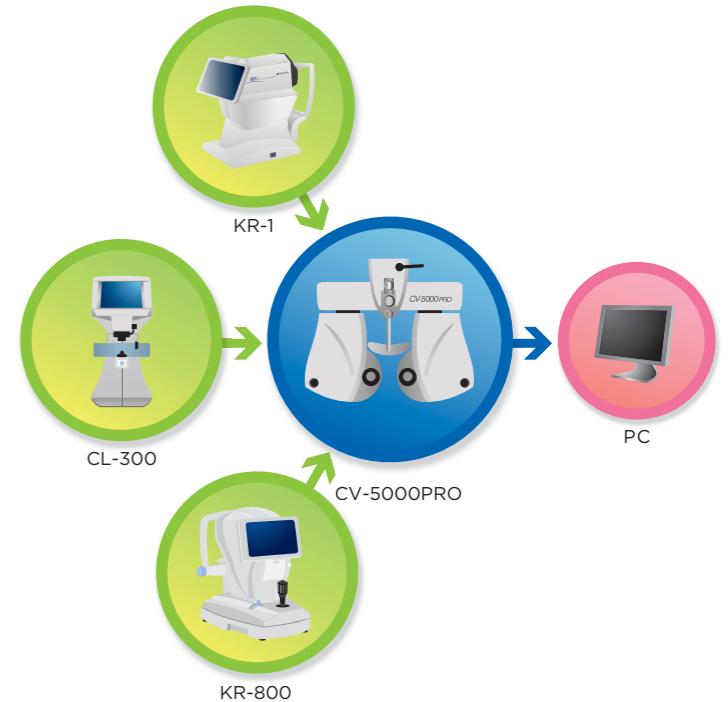
Near vision LED Illumination

LED illumination from the CV-5000PRO vision tester provides bright illumination of the near test chart. The use of external illumination is no longer required.



Easy Operation by networking

CV-5000PRO is able to receive refraction data from other Topcon instruments, such as refractometers and lensmeters, so that an operator is able to log this data rapidly on to the control monitor at the start of an examination. Automatic data transfer avoids mistakes associated with manual typing and makes the routine more efficient. An efficient workflow has benefits both for your patients and your practice.



Integration in IMAGEnet series/other software

The CV-5000PRO software integrates with the IMAGEnet system*. Subjective, objective and lensmeter data can be transferred from the CV-5000PRO system to the IMAGEnet system and assigned to a patient. The CV-5000PRO enables also the export of data to other software within the practice.

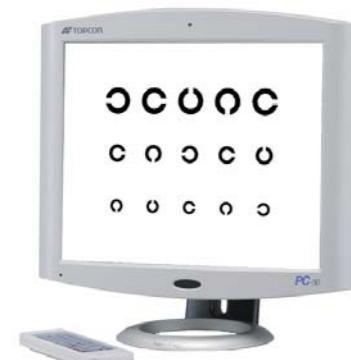
* IMAGEnet Software is optional



More choice for your system

MC-4S Mirror Chart

- » Space-saving
- » Liquid crystal polarization
- » High resolution
- » 3D Contents
- » Smooth Operation
- » Active Charts



PC-50S/ PC-50SB Pixel Chart

- » Comprehensive Range of Optotypes
- » True Visual Acuity Testing System
- » The Variety of Chart, Image and Movie
- » Minimal Design
- » Active Charts

ACP-8 Auto Chart Projector

- » Easy to Use
- » Easy Setup and Maintenance
- » Program Settings
- » Connectivity with CV-500PRO
- » Tilt function



CL-300 Computerized Lensmeter

- » LCD Touch Panel
- » Compact Slim Body
- » Automatic Mono- & Multi-focal Detection
- » UV Transmittance Measurement
- » Green Measurement Light Beam



KR-800 series Auto Kerato-Refractometer

(KR-800 / KR-800A / KR-800S)



- » Auto Kerato-Refractometer with objective and subjective testing (KR-800S)
- » 3D Auto Alignment function allows quicker and easier measurement (KR-800A)
- » Smooth operation
- » 8.5 inch wide touchscreen control panel
- » Compact designed body
- » Easy set-up with a LAN network



KR-1 Auto Kerato-Refractometer

- » Simple and Quick Operation
- » Easy-to-Use Color Touchscreen Control Panel
- » Flexible and Space Saving Layout
- » New Compact and Ergonomic Design
- » Reliable Measurement



TRK-2P Auto Kerato-Refracto Tonometer

- » Refractometer, Keratometer, Non-Contact Tonometer and Pachometer in one single instrument
- » Fully automated
- » Rotating touch screen control panel
- » Compact and modern design
- » Easy manual alignment with new control lever accessory

LU-1 Control lever