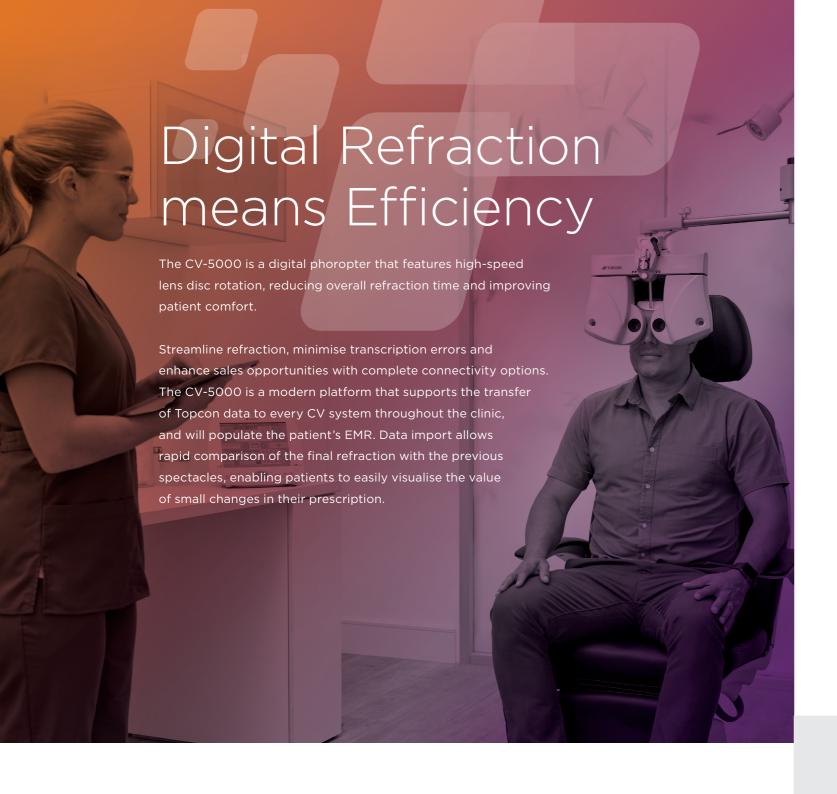
CV-5000

Digital Phoropter

Optimise refraction, maximise revenue potential and increase patient and operator comfort.







Overview

- Maximise revenue potential
- Support patient decision-making
- Optimise patient comfort
- Save time. Streamline refraction workflow
- Ergonomic operating position

- Multiple controller options for flexible clinic layout
- Multiple connectivity options
- Rapid import of pretest data
- Image separation through red and green filters or circular polarisation to match linked test chart

Fast, Smooth Lens Rotation

The small head and quality Topcon engineering ensure rapid and efficient lens disc rotation, to minimise ocular stress and support patient decision-making. In tandem with digital connectivity, this also significantly reduces the total refraction time.

Variety of Test Charts and Refraction Options

The CV-5000 comes with a variety of test chart options, allowing customisation of the refraction process to suit a wide range of patients and refracting styles.

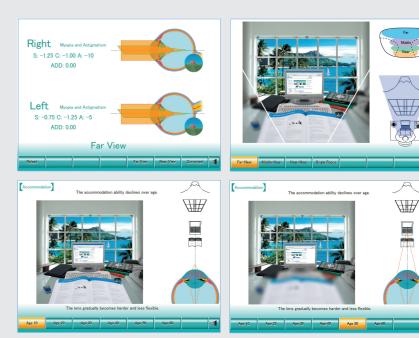
Digital Connectivity

The CV-5000 can receive refraction data from Topcon instruments and/or selected non-Topcon devices, such as refractometers and lensmeters, allowing the import of key pretest data. Automatic data transfer avoids transcription errors associated with manual typing and speeds up workflow. It also allows quick comparison between the current refraction and the patient's previous visual condition, helping them recognize the benefits of small prescription changes — or the value of a second pair for night driving or PC screen use.



Informative Patient Educational Content

- Animations customised to the patient's refractive error
- Helps the patient to understand the impact of their refractive error or cataracts
- Demonstrate the effect of presbyopia and the benefits of multifocal lenses



Topcon Cross-Cylinder with Colour Display

The Topcon Cross-Cylinder allows simultaneous display of both options 1 and 2, making it quicker and easier for the patient to compare options. The red/green surround, which is also available for the conventional Jackson cross-cylinder test, also aids patient communication.



Intuitive Layout

The flexible and easy-to-use interface displays all data in one screen that can be customised to suit the user's needs and preferences.

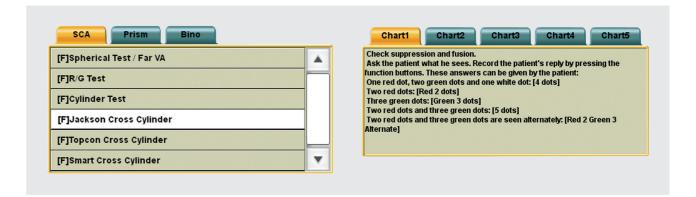


Predefined Tests

The CV-5000 provides predefined spherical, cylindrical, and prismatic testing and refinement examinations. When coupled with a Topcon computerised vision chart, selection of a test automatically displays the relevant test chart and auxiliary lenses.

Multiple "HELP" function

At the touch of a button the HELP display is activated. HELP provides useful information on the selected test. Simplified (short text) or advanced (detailed) instructions are available.

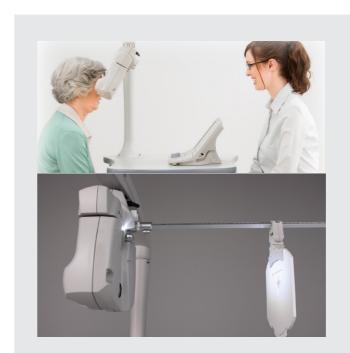


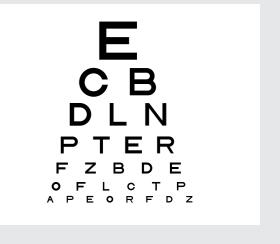
Comfortable Near Vision Tests

To provide a natural, more realistic reading position during the near-point tests, the CV-5000 head can be tilted. Selection of near tests also switches on the LED lights. Text can be displayed on the KB-50S controller or a range of near charts can be presented by lowering the robust near rod and mounting the near-point card. Alternatively, a near-point chart can be used.

Standard or Custom Programs

Preprogrammed refraction routines optimise refraction efficiency. The standard program automatically moves through common tests to refine sphere and cylinder at the touch of a button. Alternatively, create and save custom programs for different patient types and operator preferences.





One-Dial Controller KB-50S

The dial navigation function simplifies and speeds up control over the sphere, cylinder, or prism power in response to the patient's answers. Many functions can also be controlled from the KB-50S keyboard or touchscreen, to suit personal preference.



Tablet*

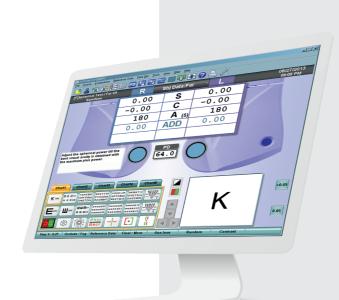
The wireless tablet option offers flexible operation from any position within the refraction room.

Control of the refraction system can be combined with other useful clinical tablet applications to optimise workflow. The tablet enables intuitive operation through the touching and swiping of the screen.

*Available only for iPad.

Operating Software on an External PC

Control the CV-5000 through an existing PC, minimising disruption to clinical workflow, saving space, and enabling the use of other software during the examination.

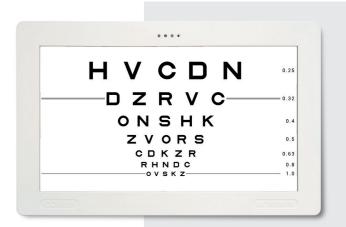


CC-100 series*

The CC-100 and CC-100XP LED chart systems are versatile solutions for presenting a wide range of test charts to patients. The high-resolution LED LCD ensures a sharp and bright chart display. Both models in the series provide around 40 different charts, with a range of designs and optotypes (Snellen/ETDRS, letters, Landolt C, Tumbling E, symbols), and charts for assessment of oculomotor status, spatial frequency and letter contrast along with a pseudo-isochromatic colour vision test.

The CC-100 series are fully integrated in the CV-5000 interface, allowing charts to be selected from your preferred CV-5000 controller, and chart/test/auxiliary lens combinations to be customised and added to refraction programs.

 $^{*}\mbox{The CC-100}$ and CC-100XP are manufactured and distributed by VISIA imaging s.r.l.



ACP-8 Auto Chart Projector

The ACP-8 auto chart projector provides sharp image projection and fast rotation. A remote controller allows instant projection of 30 different test charts, including a range of optotypes to evaluate visual acuity and binocular status with a wide projection size (330x270mm). The ACP-8 chart projector is fully integrated with the CV-5000 controller interface.



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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 $20\triangle$ (all directions)
	Measuring step	0.1△/0.2△/0.5△/1.0△
Interpupillary 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
Auxillary lens options	Red/green filters, Polarising filter (45°/135°, Circular Polarising Filter¹), Prism(6 \triangle /10 \triangle), Red Maddox (horizontal/vertical), Lens for retinoscopy (+ 1.5D/+2.0D), Cross-Cylinder for measuring presbyopia (+/-0.50D), Occluding plate, Pinhole and Crosshairs 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)	309-341(W) x 114(D) x 261(H)mm/4.0kg
	Measuring head (Arm-mounted type)	309-341(W) x 114(D) x 324(H)mm/4.6kg
	Power Supply Unit W/External PC	276(W) x 197(D) x 117(H)mm/2.7kg
	Power Supply Unit W/Built-in PC	276(W) x 197(D) x 117(H)mm/3.9kg
	1 Dial Controller	300(W) x 250(D)(max) x 200(H)(max)mm/2.3kg

¹The combination of the polarising filter must be one of the following: 45% 135° and 135% 45° or 45% 135° and circular polarising filter.

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

Not all products, services or offers are approved or offered in every market, and products vary from one country to another Contact your local distributor for country-specific information and availability.

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