

PCT 200

Technical Data Corneal Topography System PCT 200

Height	500 mm
Width	500 mm
Depth	510 mm
Projection method	placido rings projection
Pattern color	pure red
Measurement method	digital image analysis
Number of rings	26
Camera resolution	1024x768
Number of analysed points	16000
Maximum cornea diameter	14mm
Maximum curvature	100D
Measurement resolution	0.01D
Measurement distance	80mm from base of the bowl
Mapping methods	Instantaneous map (local curvature, tangential) map Sagital (axial, power) map Refractive map* Results comparison Height map 3D map
Display units	refractive power (diopters) curvature (mm)
Utilities	full keratometric data map distance cross-section measurement lens fitting application
Control method	3-axis analog joystick
Power supply	230V/50Hz
Software features	Fourier analysis window, Zernike analysis window, possibility to store several fluorescein stimulations, very low bowl illumination during bowl alignment, very short flash during examination (250ms), internal database, automatic data exchange with PTS series perimeters, new improved software for fitting hard contact lenses, fluorescein simulation of hard contact lens fitting, possibility of working in computer net simultaneously by several users, easier configuration process (auto-config function available, setting automatically instrument parameters), possibility of changing the degree of transparency of displayed map in relation to an eye in the background, possibility of manual edition of position and size of detected iris and pupil, possibility of manual edition of detected rings, print preview of examination results with possibility of saving to graphic file, automatic calibration module

*ask dealer if this option is available



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PCT 200

Local Distributor:



PCT 200

A new standard in corneal topography has been developed as combination of innovative technical solutions with advanced digital image analysis methods.

PCT 200 is a compact and versatile device which offers fast and high-accuracy corneal topography. Unique bowl positioning method in PCT 200 gives better image quality and decreases length of examination. Increased number of placido rings and high resolution camera boost accuracy of measurement. Ergonomic and intuitive software makes examination easier than ever before.

ERGONOMY

- New compact design
- All electronics built into main body of the device - no additional components
- Device connected to PC via USB cable

ACCURACY

- New high resolution camera of high sensitivity- now more details are visible
- Increased number of placido rings to 26
- Improved accuracy of measurement

INNOVATIVE POSITIONING

- Examination bowl at small angle in respect to patient's head
- Effect of shadows resulting from nose and brows is diminished

EASIER AND QUICKER EXAMINATION

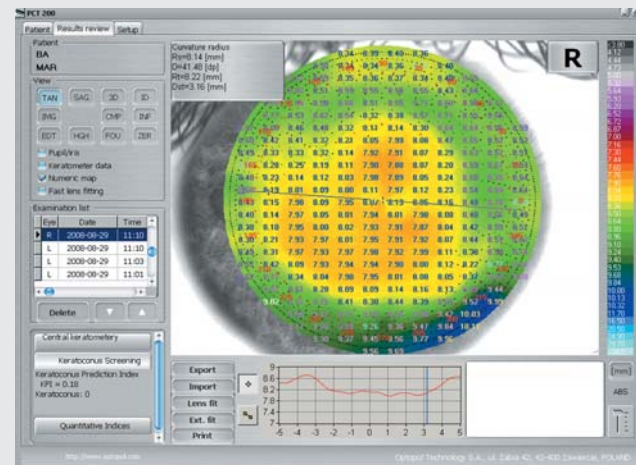
- Fast and accurate control
- Auto tracking of the cornea apex
- Automatic bowl alignment
- Quick change of the bowl position between left and right eye
- Precise adjustment for each eye
- Less fatigue to patient and operator

SOFTWARE

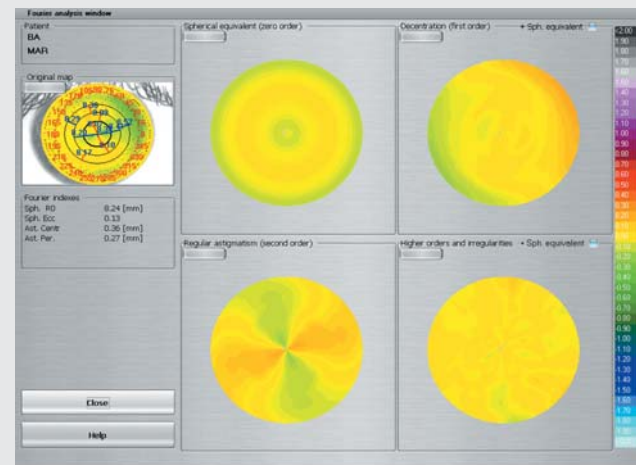
- New user friendly interface
- Interface with tabs for easier access to application options
- Multilingual support
- Compatibility with Windows XP and Windows Vista
- Automated measurement

ANALYSIS TOOLS

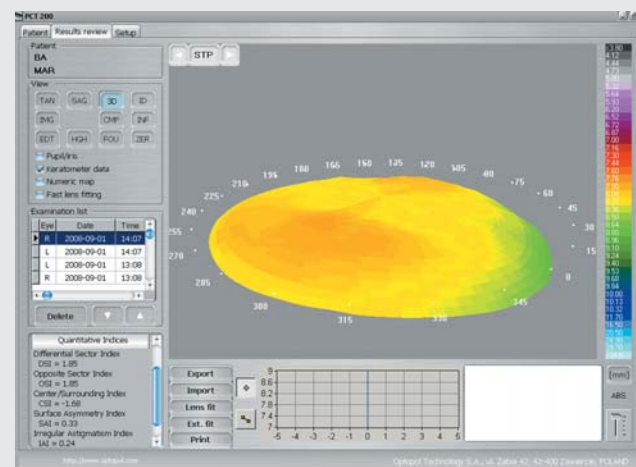
- Height map
- Sagittal (Axial) radius/power map
- Instantaneous (Tangential) radius/power map
- Refractive map
- Fourier maps
- Zernike maps
- 3D map
- Results comparison
- Lens fitting (fluorescein simulation)



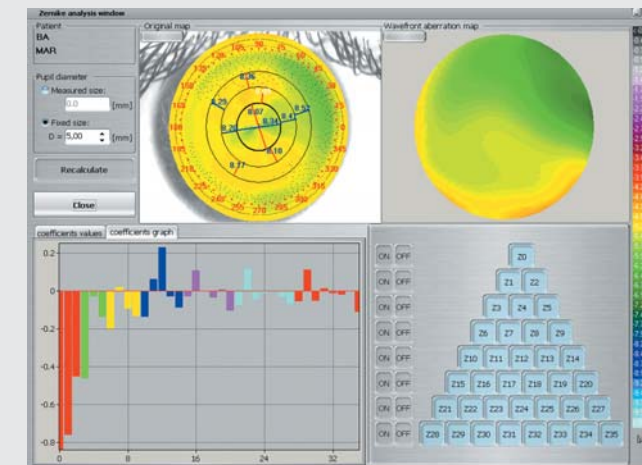
Instantaneous Map



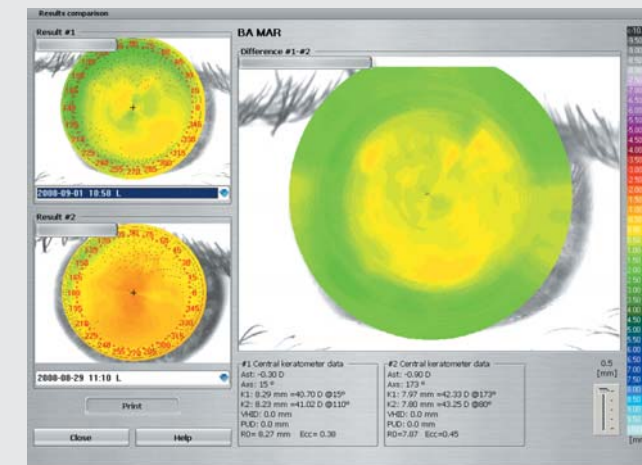
Fourier Analysis



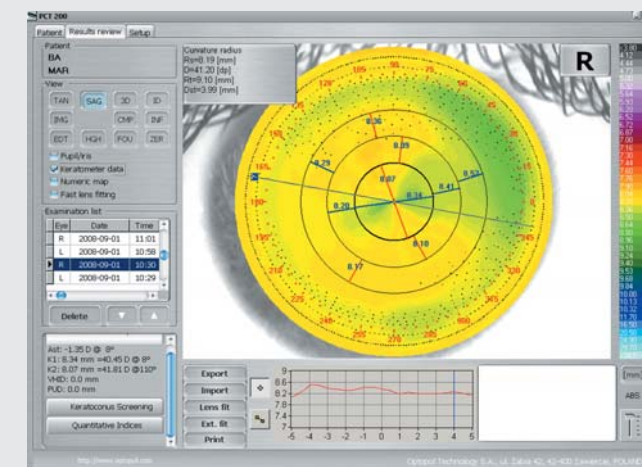
3D Cornea Visualisation



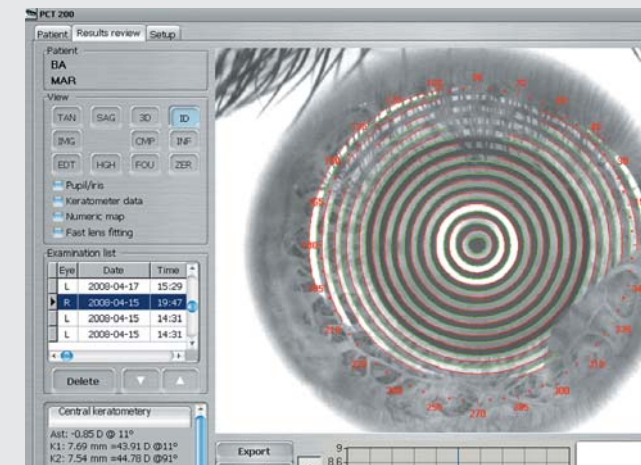
Zernike Analysis



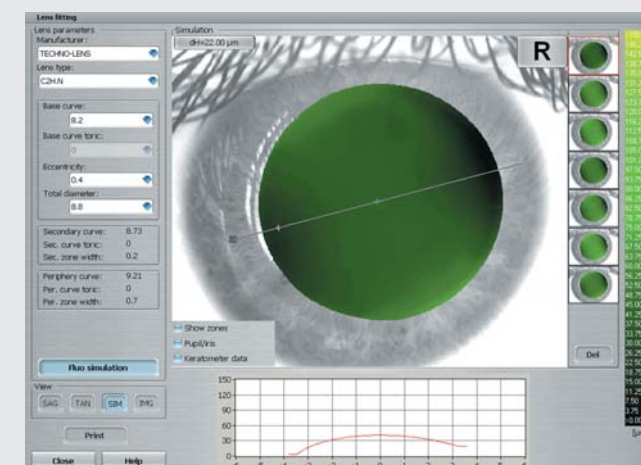
Comparison



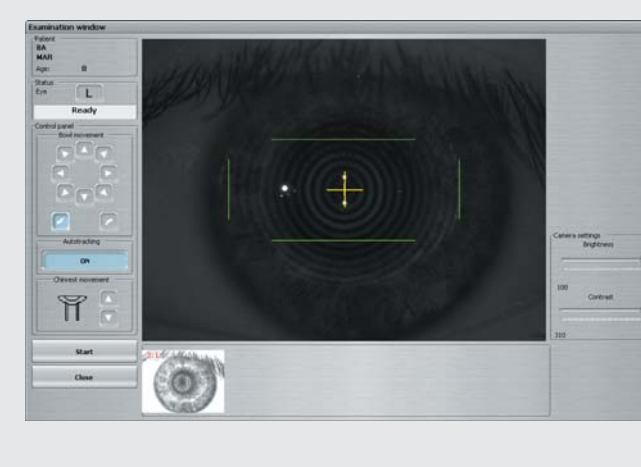
Sagittal Map



Identified Rings



Lens Fitting Simulation



Examination Window