



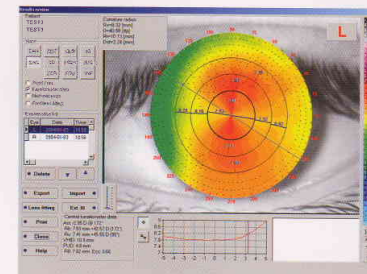
CORNEAL TOPOGRAPHY SYSTEM PCT 110



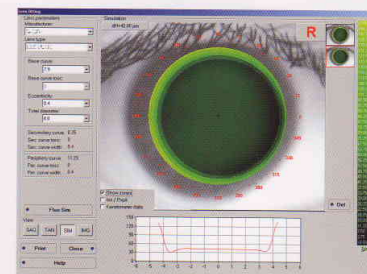
quality&precision



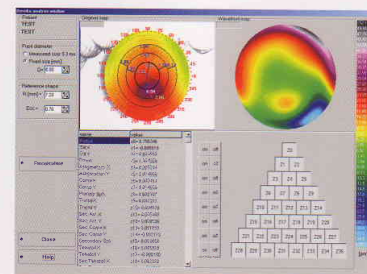
Thanks to advanced digital image analysis methods a new standard in corneal topography has been developed. The device is fully automatic. There is no need to manually align position of the bowl. All this is done by the computer. The advantages are simple; faster, better and more precise measurement.



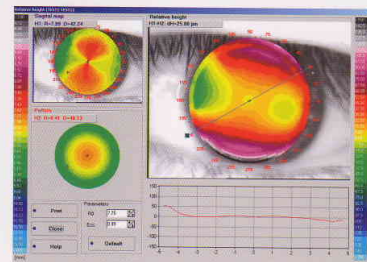
Curvature Map Window



Fluo Sim Window



Zernike Analysis Window



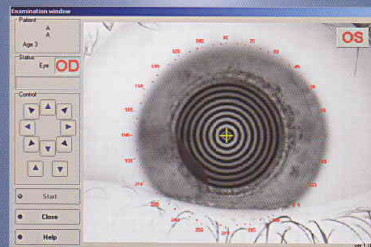
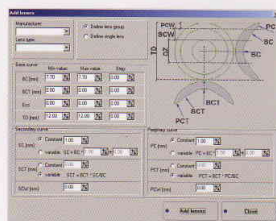
Height Map Window

Technical details:
 Height:515 mm
 Width:260 mm
 Depth:355 mm
 Projection method:placido rings projection
 Pattern colour:pure red
 Measurement method:digital image analysis
 Number of rings:19
 Number of analysed points:16000
 Mapping methods:local curvature,
 tangential map, sagittal map,
 results comparison, height map, 3D map
 Display units:refractive power (diopeters),
 curvature (mm)
 Utilities:full keratometric data, map distance,
 cross-section measurement
 Power supply:230V/50Hz / 115V/60Hz
 Minimum computer requirements:
 - operating system: Win 2000/XP
 - processor: Pentium III 1 GHz
 - RAM memory: 512 MB
 - HDD 40 GB
 - video: 800x600 screen resolution in True Colour
 Communication port:USB 2.0
 Printer:colour printer required
 recommended HP DeskJet series printer.

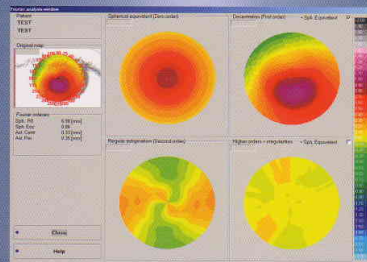
CE
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Software features:

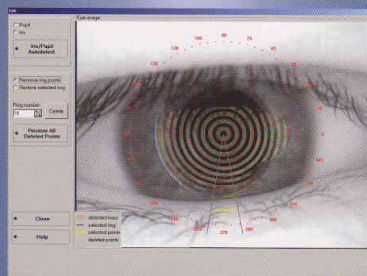
- Fourier analysis window
- Zernike analysis window
- possibility of mutual movement of map and pattern in height window
- possibility to store several fluorescein stimulations
- very low bowl illumination during bowl alignment
- very short flash during examination (250ms)
- internal database
- automatic data exchange with PTS series perimeters
- new improved software for fitting hard contact lenses
- fluorescein stimulation 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
- multilanguage support



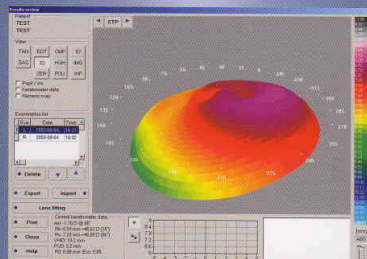
New Examination Window



Fourier Analysis Window

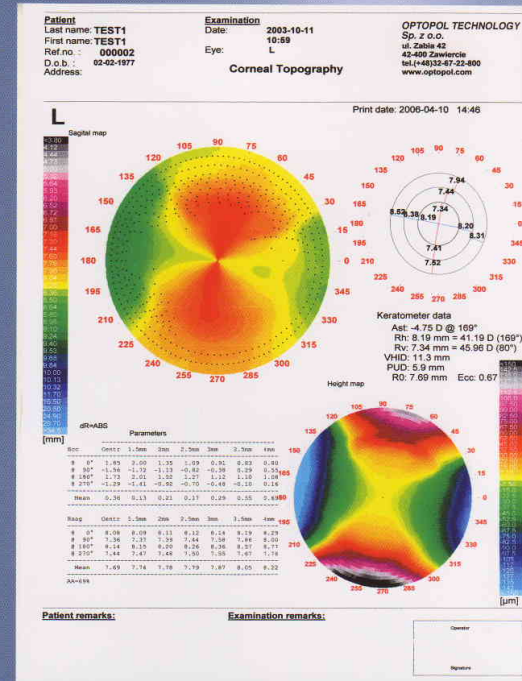


Recognition Edit Window



3D Visualisation Window

EXEMPLARY PRINTOUT OF EXAMINATION RESULTS



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