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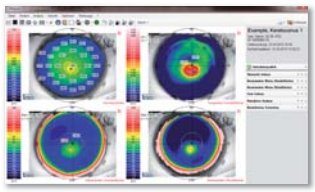
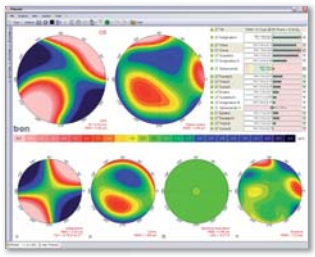
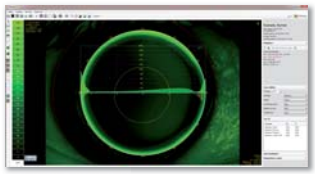
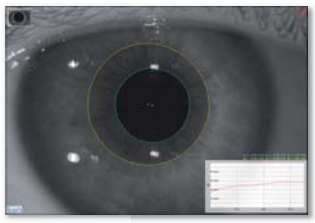
SIRIUS

3D Rotating Scheimpflug Camera & Topography System









The excellent combination of a rotating Scheimpflug camera and a Placido disk technique provides the best performances for measuring.

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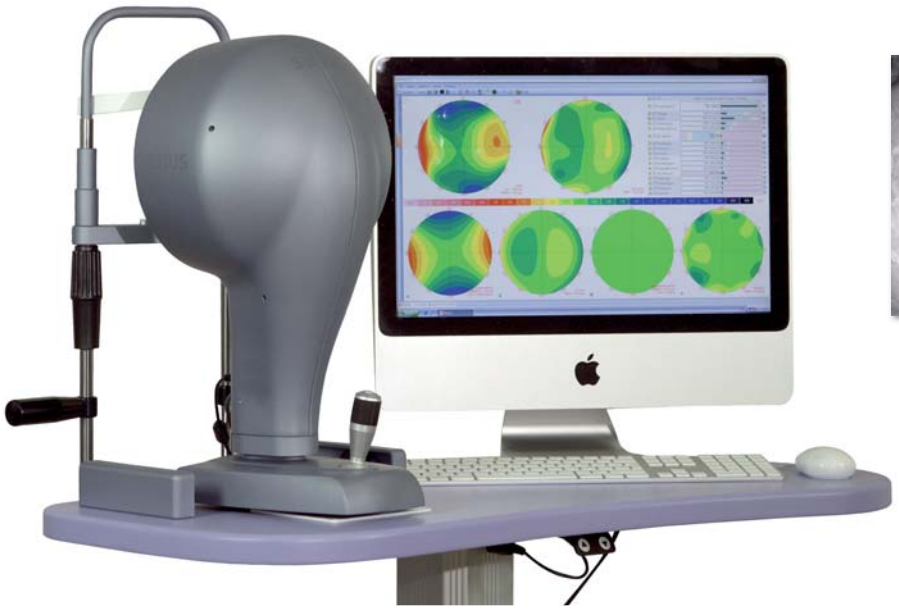

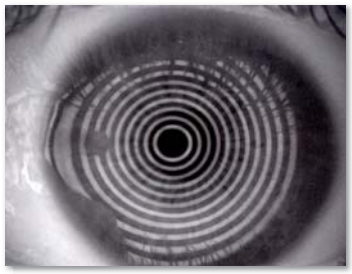

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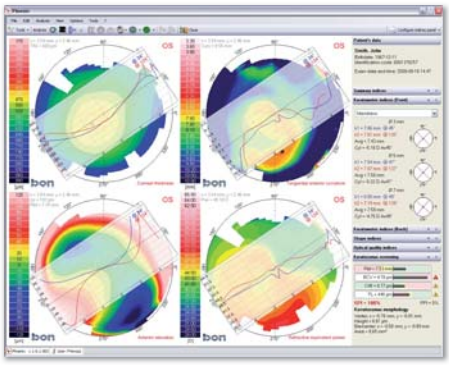
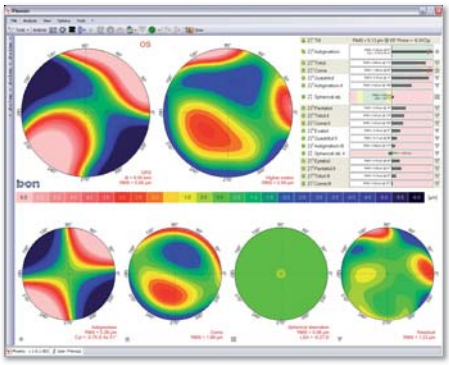
Main features

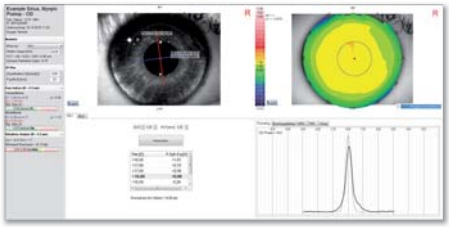
- Anterior and posterior corneal topography (sagittal and tangential, curvature and elevation maps)
- Corneal Pachymetry (12 mm diameter)
- Meibography
- IOL calculation with **Raytracing** technique, also works with already treated eyes (e.g. LASIK)
- Pupillography
- Tear film analysis
- Cataract summary
- Keratoconus Summary
- Glaucoma Summary
- IOP correction formulas
- Anterior chamber analysis
- Map of anterior chamber depth
- OPD analysis and visus simulation
- Refractive and cataract surgery planning tools
- Topography rings can be edited, as well as the surface in the Scheimpflug's images
- Automatic calculation of iridocorneal surface
- Optical cornea analysis
- Scheimpflug's images comparison
- Summary of acquisition reliability



Corneal summary



Zernike Summary:
corneal aberration analysis



IOL Calculation

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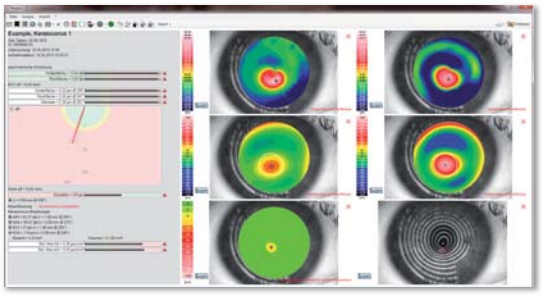
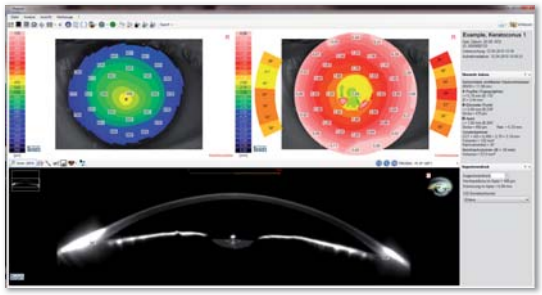
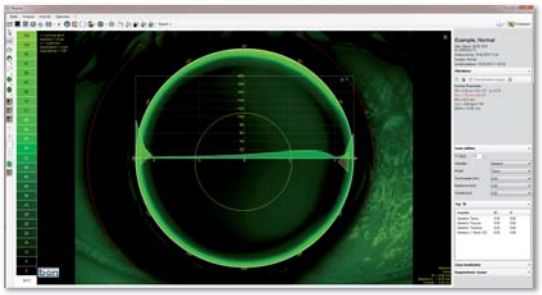


Keratoconus analysis



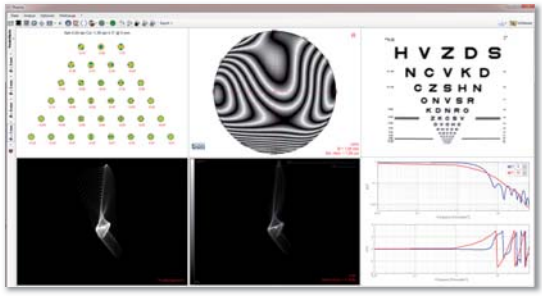
Glaucoma analysis



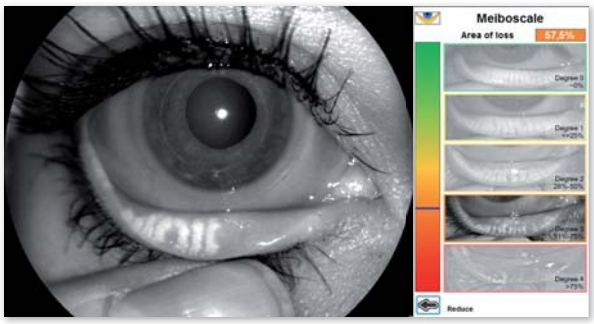
Integrated corneal topography with complete **software for contact lens** fitting

Scheimpflug image analysis including anterior chamber depth and chamber angle

Densitometry

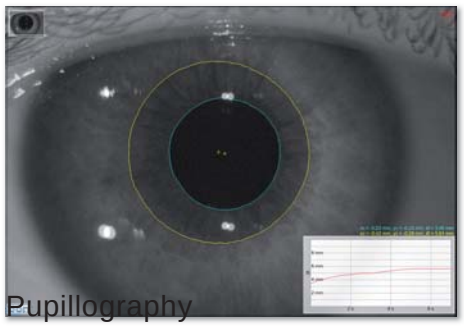


Display of the visual quality



Meibography

The Meibomian Gland Dysfunction (MGD) is the significant cause for hyper-evaporative dry eye. *SIRIUS* allows visual documentation and digital analysis of gland dysfunction.



Pupillography

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PHOENIX

SIRIUS works perfectly with the advanced *PHOENIX* Software-Suite. *PHOENIX* enables comfortable working, by connecting all of your **b o n** diagnostic instruments with a powerful patient database, giving you an extraordinary effective work station.

Technical specifications

Camera:	Dual head custom-designed High-Resolution CCD-camera
Light Source:	Blue LED (475 nm UV-free)
Real Measuring Points	21632 (anterior) + 16000 (posterior)
Speed:	25 fps
Dimensions:	(H) 510 x (W) 250 x (D) 320 mm
Weight:	7 kg

CSO - Costruzione Strumenti Oftalmici S.r.l., Via degli Stagnacci 12/E, 50010, Badia a settimo (FI), Italy

01-2013