



# OCULUS GLAUCOMA EXPERTS



Glaucoma is one of the most common eye diseases. The Fast Screening Report is a tool for detecting it. Make use of the evaluation of anterior chamber angle, depth, volume and corneal pachymetry data based against normative data.



**Pentacam® AXL**

Anterior segment tomography and optical biometry

**Pentacam® AXL Wave**

Anterior segment tomography, optical biometry, objective refraction, retroillumination and wavefront aberrometry

**Pentacam®**

The Gold Standard for anterior eye segment tomography

Entire anterior segment in 2 sec

Comprehensive analysis

Scientifically reliable screenings

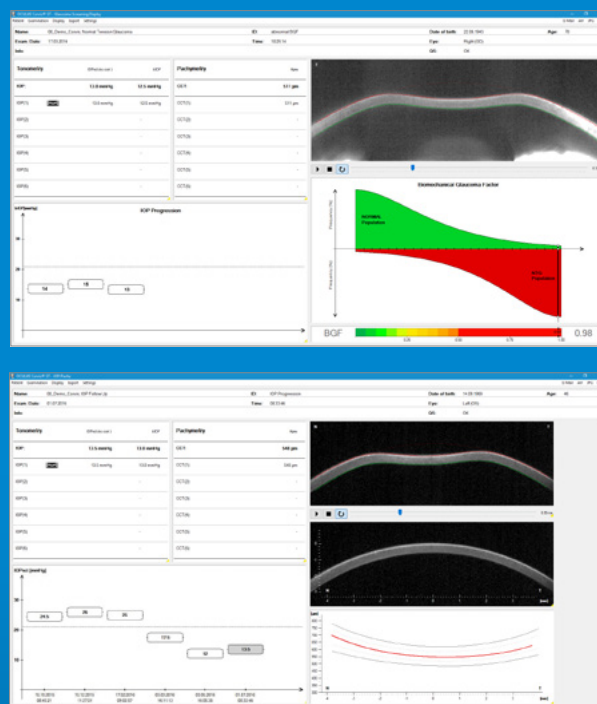
**Pentacam® HR**

High-resolution Scheimpflug images of the anterior eye segment

Anterior chamber depth, angle and volume calculations

IOP correction tables

Topography and elevation maps of front and back of cornea



## Glaucoma Screening Software Biomechanical Glaucoma Factor (BGF)

This revolutionary software allows an easy screening for normal tension glaucoma (NTG) based on the biomechanical response. It offers a new approach to detecting glaucoma cases despite normal intraocular pressure.

## IOP/Pachy Display

Biomechanically corrected IOP (bIOP)

bIOP readings are less dependent on biomechanical properties and corneal thickness and hence more accurate than IOP readings even in post corneal refractive surgeries. The data are easy to read and interpret, the IOP follow-up chart is neatly arranged and can be emailed directly to the patient along with their follow up appointment.

## Corvis® ST

Corneal biomechanical analysis

Non-contact tonometer

Biomechanically corrected IOP (bIOP)

Biomechanical Glaucoma Factor (BGF)

[www.corneal-biomechanics.com](http://www.corneal-biomechanics.com)

## Unique software solutions for OCULUS perimeters!

### SPARK

Rapid Threshold Strategy

### GSP

Glaucoma Staging Program

### PATH

Predicting Anatomy from Thresholds

### TNT

Threshold Noiseless Trend



### Smartfield

Optimized for monitoring functional impairment in glaucoma

Standard automated perimetry

Ultra-high-luminance LCD screen

Up to 60° eccentricity



### Easyfield® C

Full-fledged compact perimeter,  
up to 30° eccentricity



### Centerfield® 2

Compact projection perimeter,  
up to 70° eccentricity

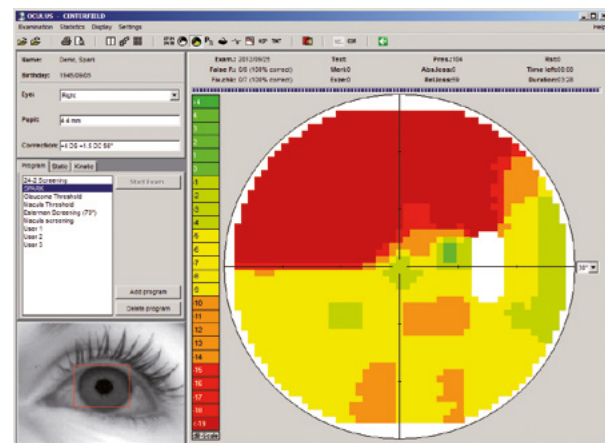


### Twinfield® 2

Versatile projection perimeter,  
up to 90° eccentricity



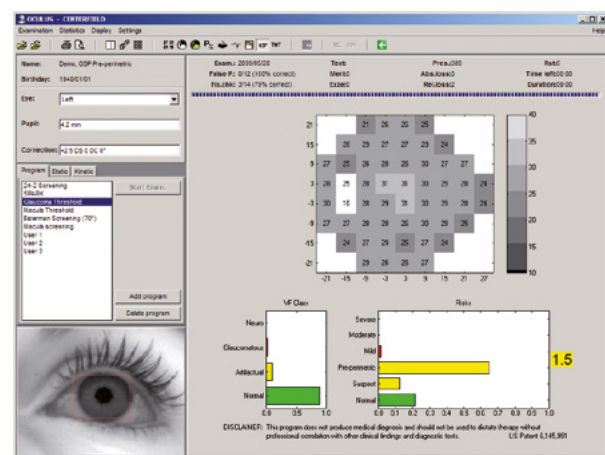
## Unique software solutions for OCULUS perimeters!



### SPARK

Fast and reliable threshold strategy

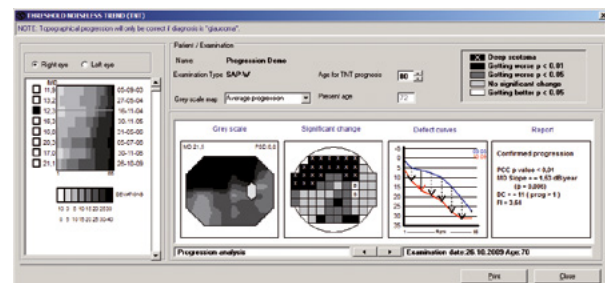
- Tests as fast as 45 seconds to maximum 3 minutes, independent of patient or disease advance
- Optimized for glaucoma patients
- Test variability reduced by 40 %



### Glaucoma Staging Program (GSP)

The Integrated Expert

- Your built-in glaucoma expert for early recognition and diagnosis of glaucoma
- Indicates early stages of glaucoma, even without obvious visual field defects (pre-perimetric)
- Glaucoma Likelihood Index (GLI): single parameter summary of the glaucoma risk classification



### TNT

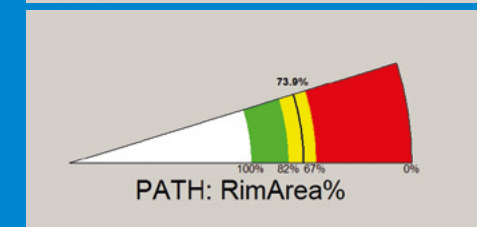
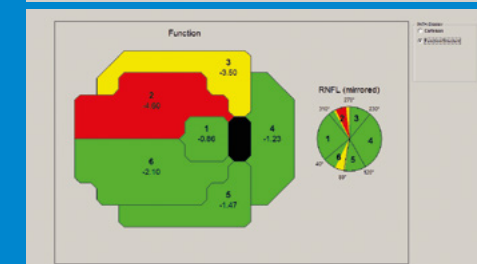
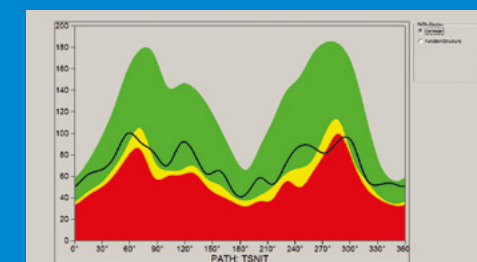
Efficient glaucoma progression analysis

- Excludes noise and false progression
- Cumulative grey map for straightforward overview
- Predicts monocular and binocular field

### PATH


Predicting Anatomy from Thresholds

It is generally accepted that in glaucoma there is a close connection between the visual function and the anatomical structure of the retina and the optic nerve head. Based on the high reproducibility of visual field measurements using SPARK, the novel PATH evaluation module provides a prediction for morphological parameters such as retinal nerve fibre layer (RNFL) thickness or the area of the neuroretinal rim.





# Contact us!

 +49 641 2005-0

 [export@oculus.de](mailto:export@oculus.de)

 [www.oculus.de/en](http://www.oculus.de/en)

**OCULUS Optikgeräte GmbH**  
Postfach • 35549 Wetzlar • GERMANY  
Tel. +49 641 2005-0 • Fax +49 641 2005-295  
Email: [export@oculus.de](mailto:export@oculus.de) • [www.oculus.de](http://www.oculus.de)



## PARK 1®

Non-contact pachymeter,  
autorefractometer, keratometer

All three measurements  
in only seconds

Space saving and easy to use

Built-in printer for quick printouts

 **Click here** to find you local distributor!

