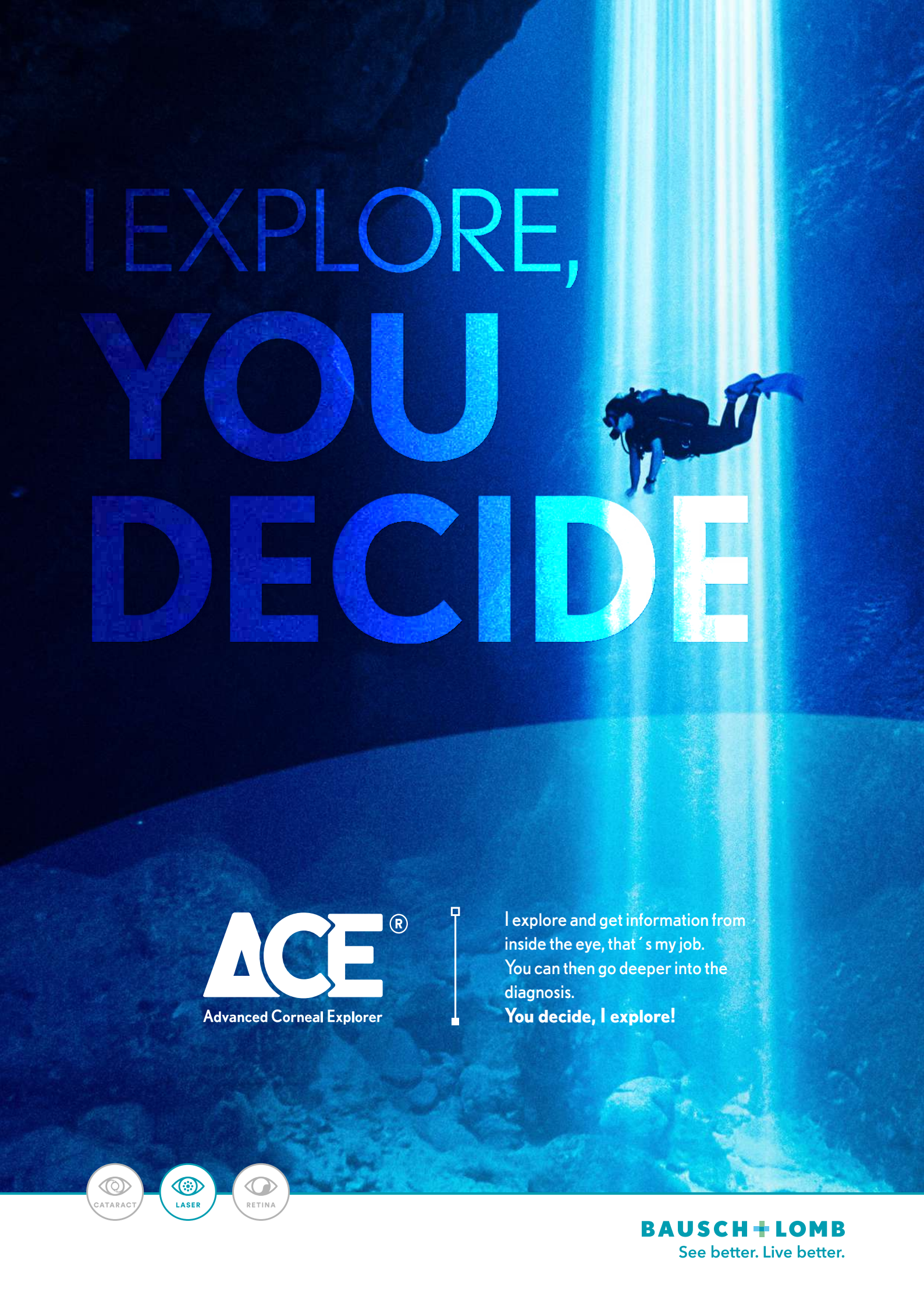

I EXPLORE,
YOU
DECIDE
ACE®
Advanced Corneal Explorer
I explore and get information from inside the eye, that´s my job.
You can then go deeper into the diagnosis.
You decide, I explore!
CATARACT
LASER
RETINA
BAUSCH + LOMB
See better. Live better.

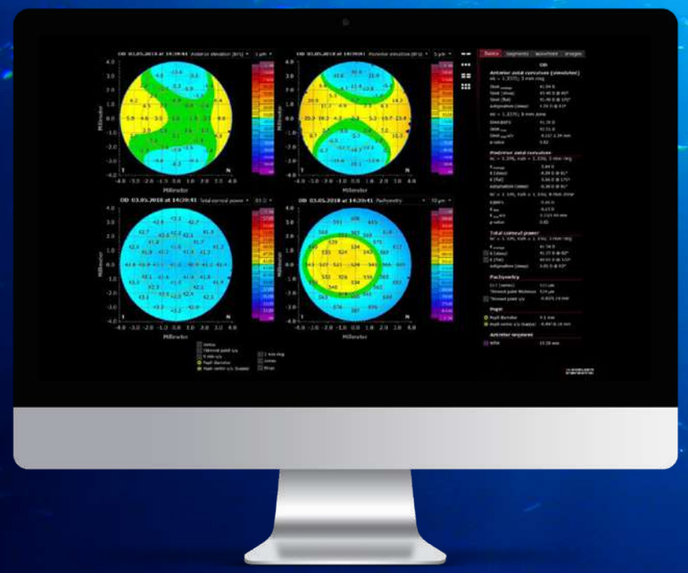
FOR ACCURACY IN **REFRACTIVE SURGERY**

ACE®

Advanced Corneal Explorer

ACE® is a technology that utilizes the power of high-resolution swept-source **OCT imaging** to provide the key corneal measurements. Optimizing the quality of the preoperative data provides more information to help you to improve the safety of your refractive surgery procedures.[1]

ACE® and the **TECHNOLAS® Teneo™ 317 Model 2** offer solutions that will refine your results. Transform your daily surgical routine into an exciting day with a platform that brings together corneal topography and tomography and allowing data transfer between both devices.



All corneal measurements are based on high-resolution swept-source OCT images

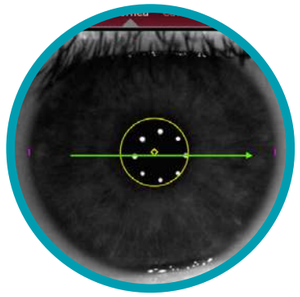
KEY FUNCTIONS

- Corneal topography
- Corneal tomography
- Pachymetry
- Total corneal power
- Corneal wavefront analysis
- Differential maps
- Progression analysis
- Data transfer with TECHNOLAS® TENEO™ 317 Model 2

* All corneal measurements based on high- resolution swept-source OCT images

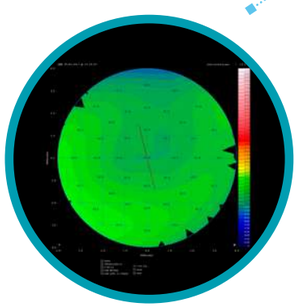
1. Muriël Doors et al. Value of optical coherence tomography for anterior segment surgery. J Cataract Refract Surg 2010; 36:1213-1229 Q 2010

ADVANCED **CORNEAL EXPLORER**



Assess each patient's corneal topography and tomography, including curvature and elevation maps of the anterior and posterior surfaces.

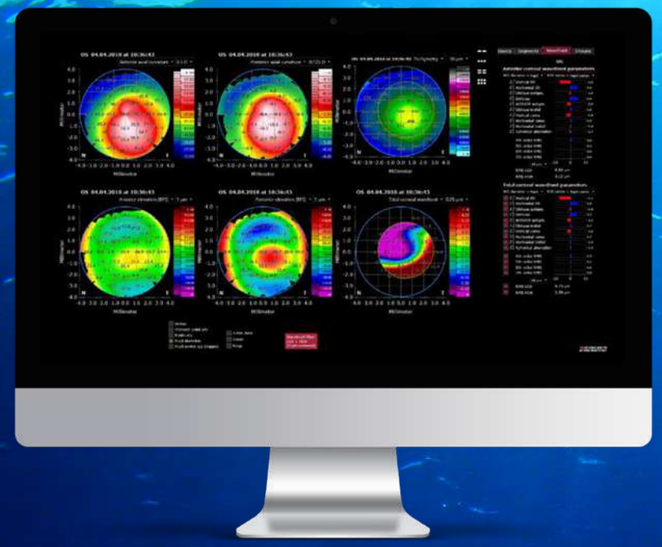
ACE® acquires 65 high-resolution B-scans for detailed information.



ACE® provides a comprehensive solution to determine a patient's individual corneal geometry.

The combination of OCT images and corneal measurements enhances your confidence in the diagnostic accuracy and follow-up of corneal pathologies. It also provides valuable support to the choice of the appropriate technique and the planning of refractive surgery.

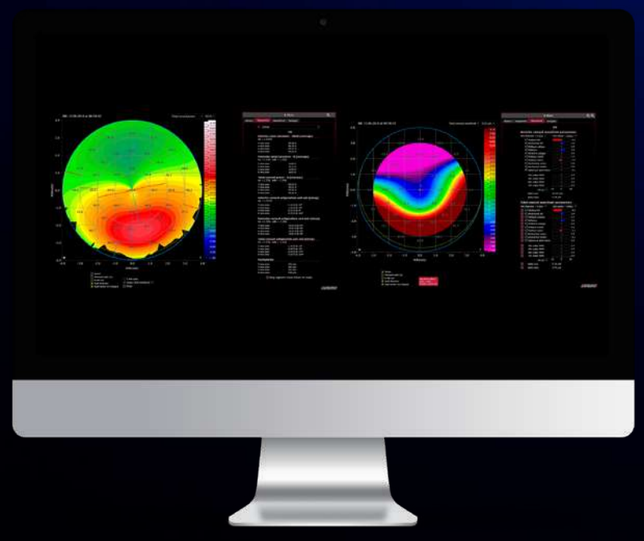
HIGHLY **CUSTOMIZABLE** MAP LAYOUT



Display up to 6 maps simultaneously, compare OD and OS, or perform an analysis over time.

12 different map types:

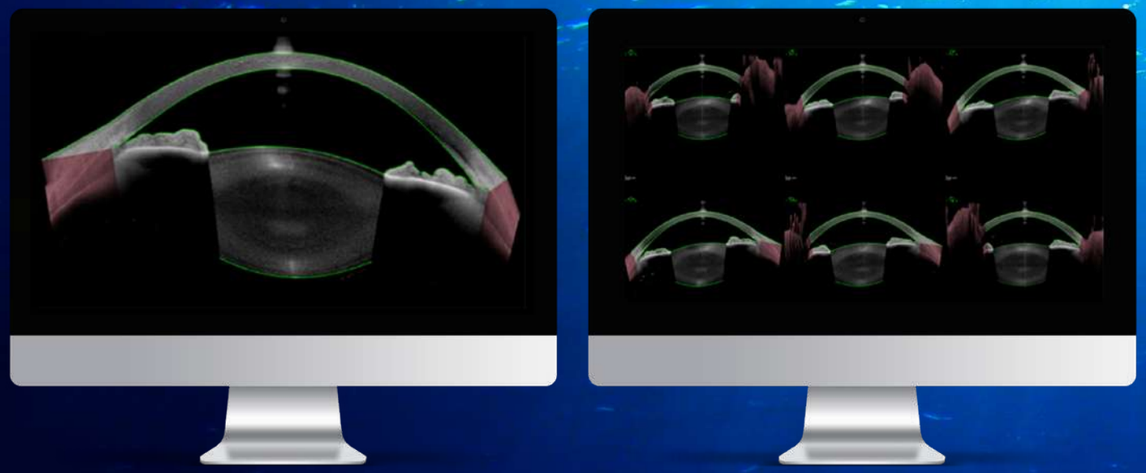
- Anterior and posterior axial or tangential curvature
- Anterior and posterior elevation (best fit sphere and best fit torus)
- Pachymetry
- Total corneal power
- Anterior and total corneal wavefront



TOTAL CORNEAL **POWER MAP**

Diagnostic confidence for refractive surgery

OCT-BASED **CROSS-SECTION OF THE EYE**



KERATOCONUS EYE IN **MULTI-VIEW LAYOUT**

Diagnostic confidence for enhanced refractive surgery

The combination of total corneal power, pachymetry and corneal wavefront analysis delivers the detailed information required for confident decision making.

CATARACT | LASER | RETINA

FOR ACCURACY IN **REFRACTIVE SURGERY** THE OCT-BASED CORNEAL IMAGE IS LINKED TO AN EXCIMER LASER

ACE® Advanced Corneal Explorer

TECHNOLAS® TENEO™ 317 Model 2 and **ACE®** are the refractive couple for making your life easier.

Streamline data transfer between **ACE®** and **TECHNOLAS® TENEO™ 317 Model 2** provides data supporting **PROSCAN** treatments with static cyclotorsion compensation based on the iris data.

Accuracy: based on OCT technology

Consistency: fully developed, engineered and produced by experts with more than 20 years of experience in developing eye care devices

Efficiency: speed of acquisition of diagnostic measurements*

ACE® exports the following information in the .ote-files to the database server:

- Topography data
- Pachymetry data
- K-values
- Q-values
- Iris data

The picture just shows the acquisition head of the device, not all the ACE® components

* Compared to non connected systems

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There's always more to discover. Let's keep exploring.

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