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YOUR VISION. OUR FOCUS.

# MAESTRO2

## Optical Coherence Tomography



World's First  
Automated OCT/  
Fundus Camera,  
**now with OCTA**

# The Fully Automated, Fully Loaded, **OCT Angiography Device**

With the Maestro2, you have fast, multi-modality OCT/Fundus imaging, advanced data management and OCTA. The complete clinical workstation for any busy practice.

Introducing fully automated OCT, true color fundus photography and automated OCT Angiography\* in one compact instrument. With the press of a button, OCTA will provide you instantaneous vascular structure information - from our world-renowned multi-modal OCT solution.

\*Not available for sale in all countries. Please check with your local distributor for availability in your country.

## FEATURES:

- Combination OCT and true color fundus
- Fully automated OCTA capture
- Compact and space saving design
- The **NEW Hood Report for Glaucoma**
- Advanced Data Management with Topcon Harmony
- Reference database for retina, RNFL, GCL+, and GCL++ thickness
- Automatic layer segmentation
- Widefield OCT
- Anterior segment OCT
- Panoramic fundus imaging

## THE MAESTRO2

is the most user-friendly OCT on the market. With one touch of the screen, auto alignment, auto focus and auto capture is activated.

### FULL-AUTO CAPTURING

With a single touch, the Maestro2 automatically performs alignment, focus, optimizing and capturing. After capturing, the report can be immediately displayed by clicking on the icon.

### MANUAL/SEMI-AUTO CAPTURING

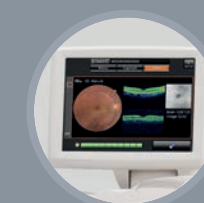
In addition to automated capture, the Maestro2 offers manual/semi-manual options for difficult-to-image patients.



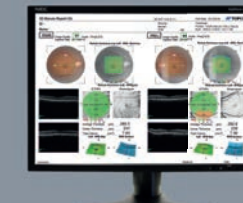
Select a capture icon



Adjust the chinrest position and touch [Start CAPTURE]



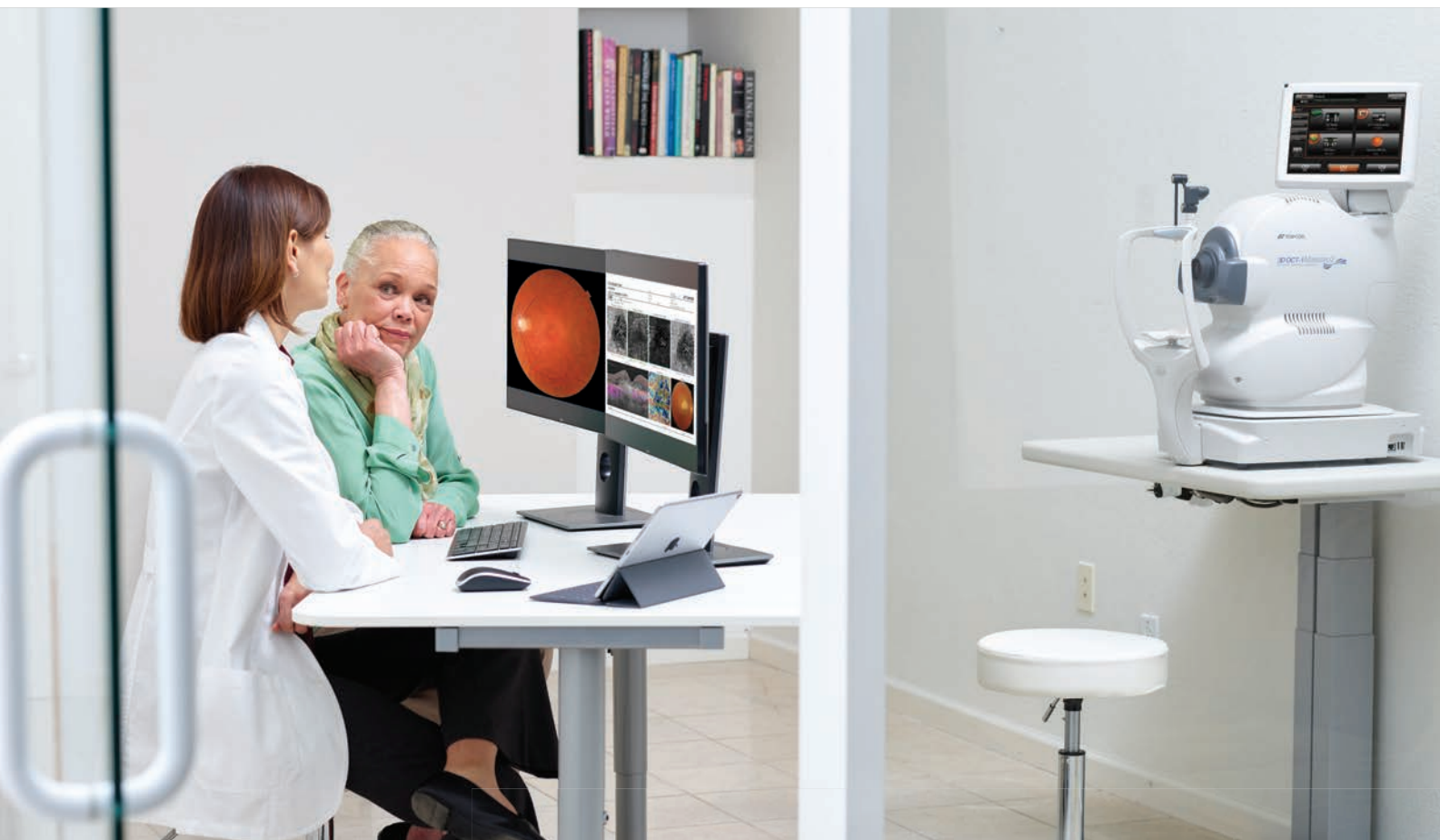
Instant results are displayed



Report can be displayed immediately

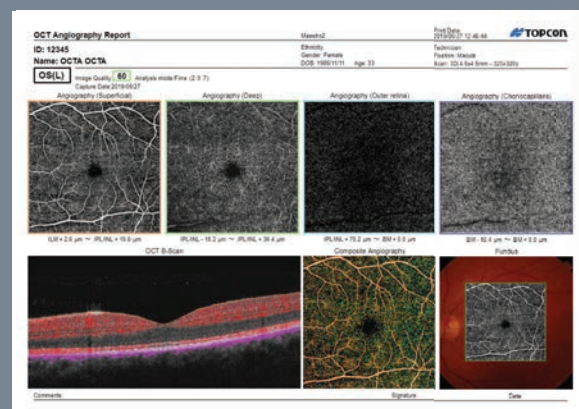


# Maestro2 Now Featuring **OCT Angiography**

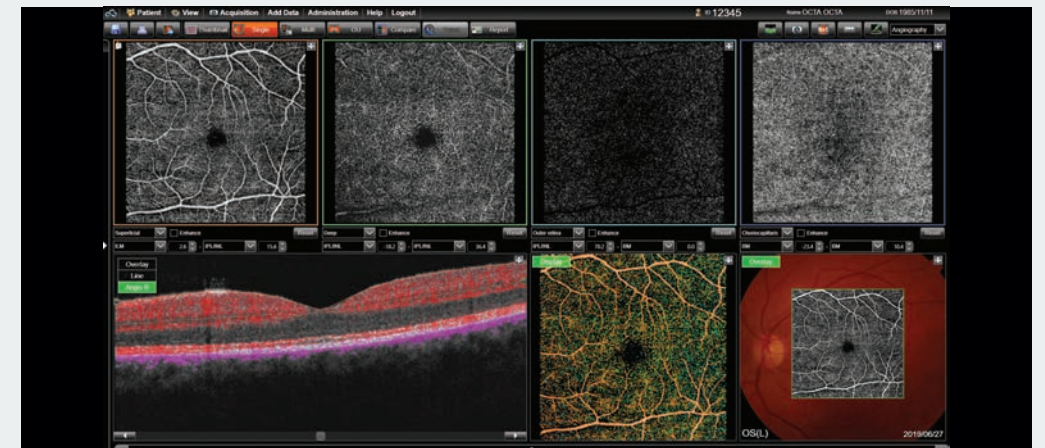


## Introducing fully automated OCT Angiography

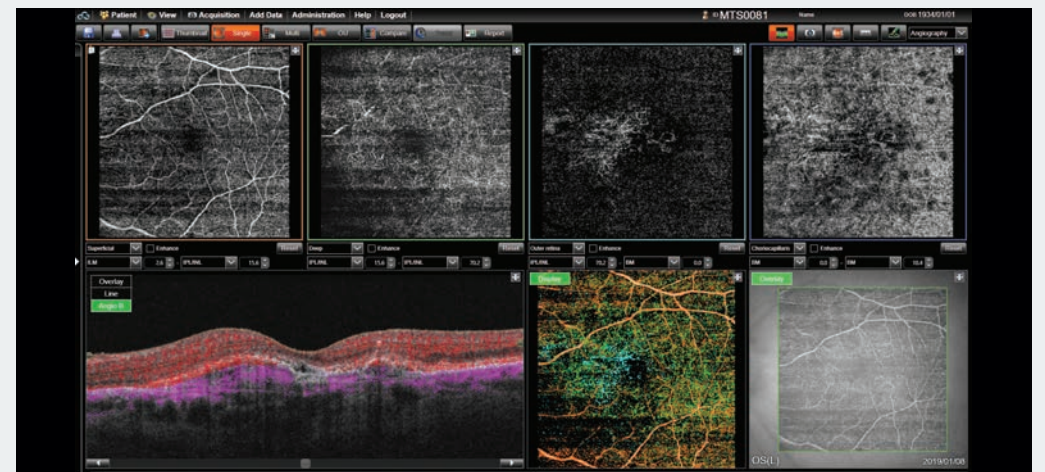
At the touch of a button, the Maestro2 provides instantaneous vascular structure information in an easy to interpret simple format, together with comprehensive segmentation manipulation to enable advanced diagnosis.



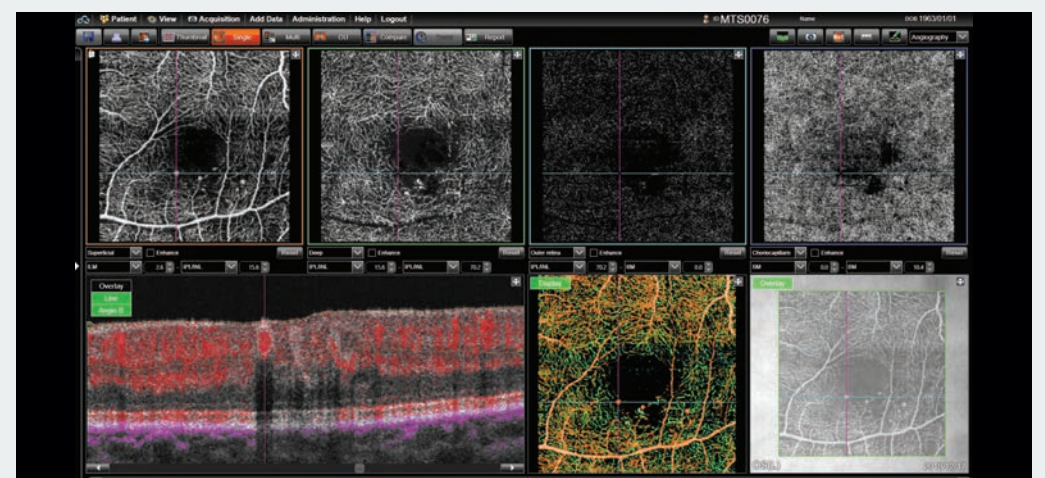
Healthy Eye  
OCT Angiography results



Choroidal  
Neovascularization (CNV)  
OCT Angiography results



Diabetic Retinopathy (DR)  
PinPoint Registration of  
microaneurysms results





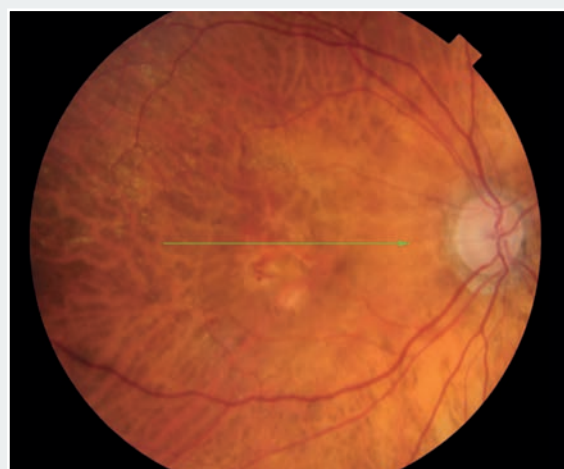
# Efficient Diagnostic Workflow



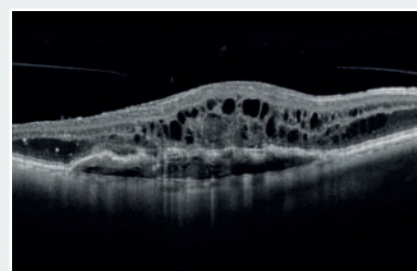
## FOLLOW-UP SCANS\*

While dense data cubes provide registration between repeat volume scans of a 45 degree area using a Topcon OCT, some prefer only localized areas to be captured. For this purpose, tracking has been introduced to the Maestro2 to facilitate repeat localized follow-up.

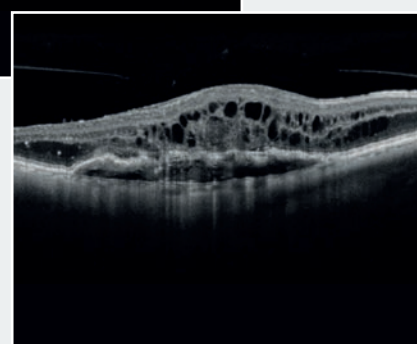
\*Not available for sale in all countries. Please check with your local distributor for availability in your country.



Single line, radial or 5 line cross scans can repeat scan the exact same area using Follow-up mode.



First visit

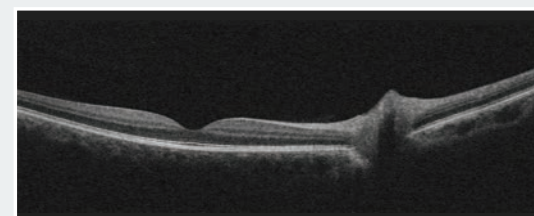
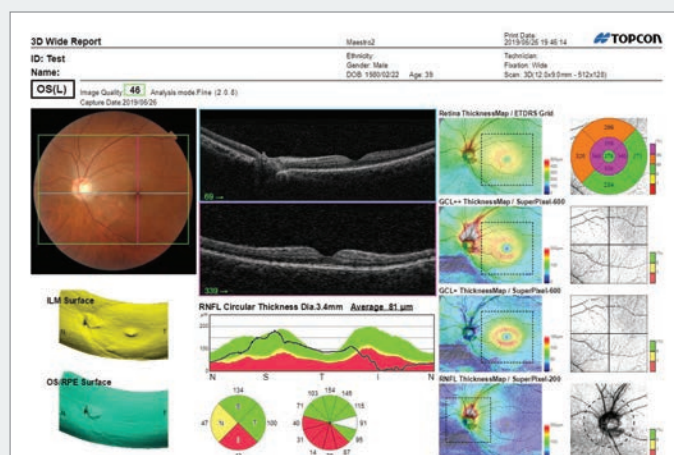


Follow up visit



## WIDEFIELD OCT SCAN

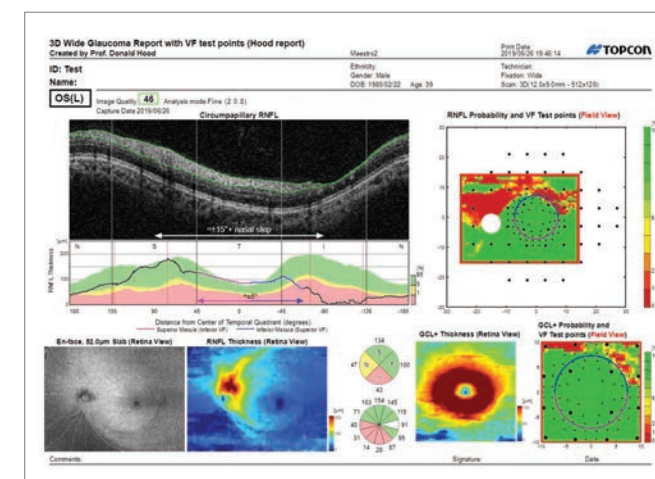
The Maestro2 can capture a 12mm x 9mm widefield OCT scan, encompassing both the macula and disc. Ideal for an annual eye exam, this scan reduces patient testing time. It provides thickness and reference data for the retina, RNFL, GCL+, and GCL++ together with Disc topography including automated LCDR values.



## THE HOOD REPORT FOR GLAUCOMA\* AND PROBABILITY MAPS

with 3D Wide 12x9mm Scan

Retinal Thickness/RNFL/GCL and Optic Nerve Metrics in just one fast scan. The **New Hood Glaucoma Report** is now available. This innovative report simplifies and accelerates the decision-making process through the correlation of structure (GCC/RNFL) with function (overlay of Visual Field test locations).

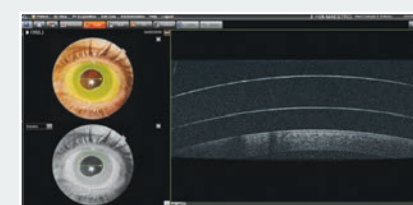
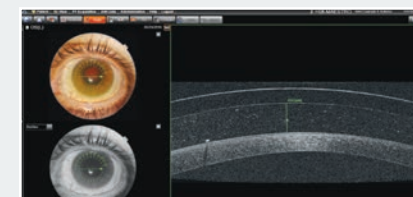
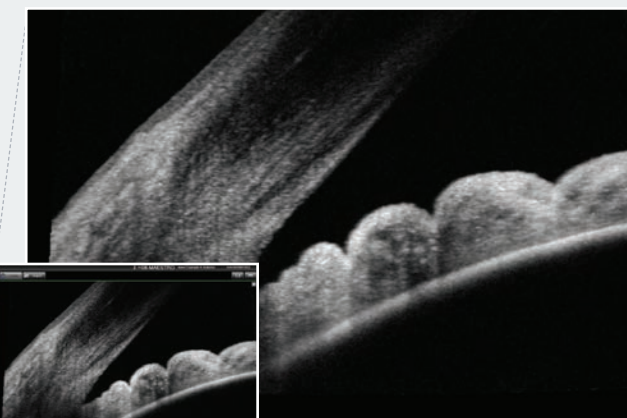
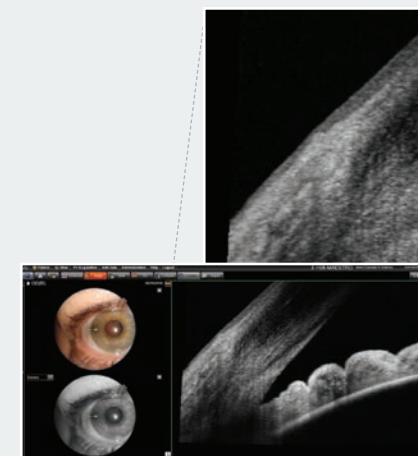


\*Not available in all countries. Please check with your local distributor for details.



## ANTERIOR SEGMENT CALIPER/ANGLE ANALYSIS

The Maestro2 has the added advantage of Anterior OCT scanning capability, without the need for an additional expensive/delicate lens. By simply adding the anterior headrest support, the Maestro2 is able to capture corneal and chamber angle scans together with the ability to make corneal thickness and angle measurements using the integrated caliper tools. Dry eye tear meniscus can also be visualized/measured together with vault measurements during scleral lens assessment.



## TOPCON HARMONY

Data Management. Simplified.

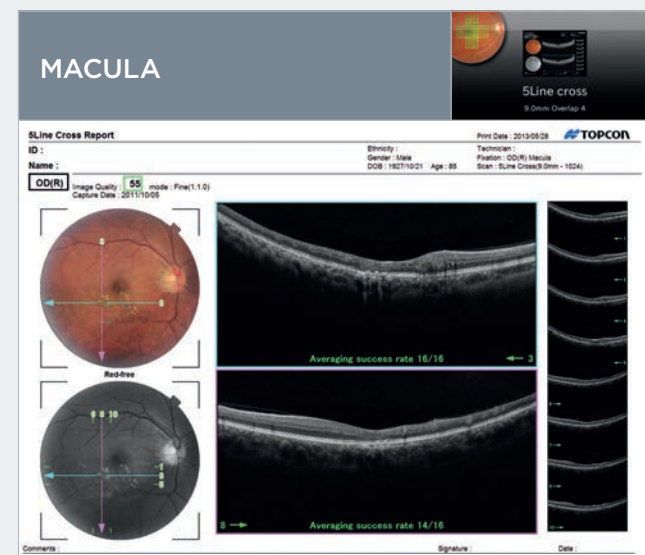
- Vendor neutral software ecosystem.
- Advanced clinical applications combining data from 3rd Party instruments with Topcon instruments.
- New Cloud back up and archive service that automatically backs up data from Topcon instruments.
- Built in customer centric feedback loops.



# Extensive Set of Reports: Guidance for Diagnosis

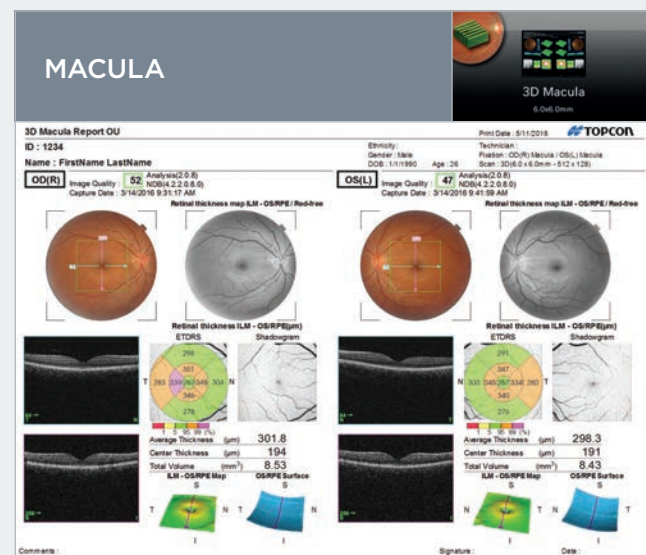
## EXTENSIVE SET OF REPORTS

The Maestro2 provides rich analysis functions for the Macula and Glaucoma. Comprehensive, predefined reports can be quickly printed or sent to your image management system.



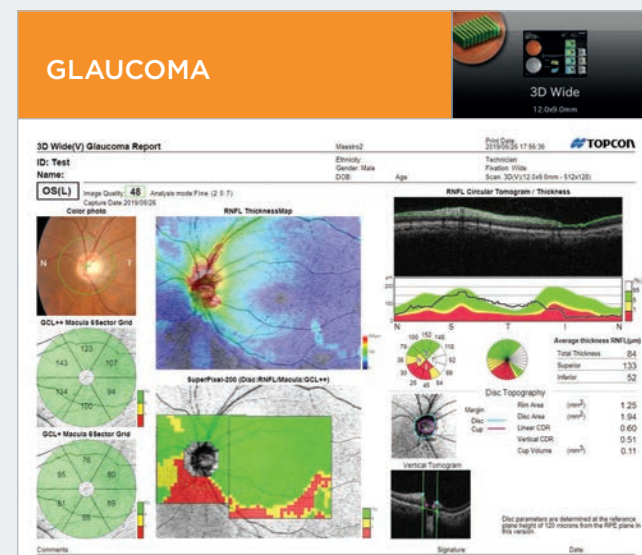
### 5 LINE CROSS SCAN

5 line cross scan (6mm, 9mm) both horizontal and vertical in an instant.



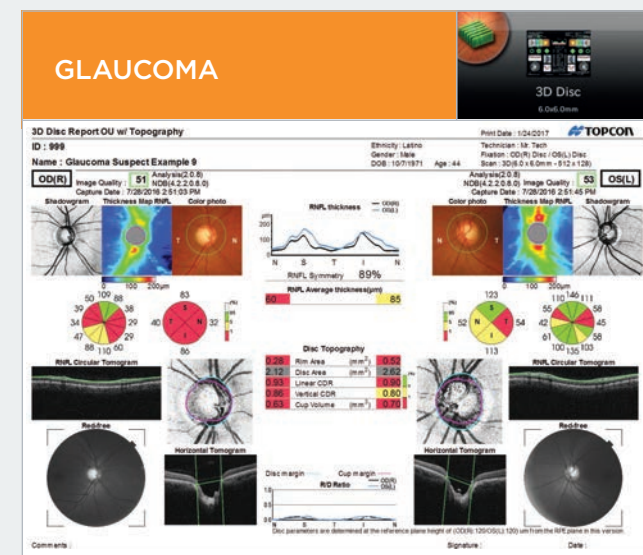
### 3D MACULA ANALYSIS

3D imaging is a useful tool to understand the whole and precise form of the fovea. 3D scan is available in 6 x 6mm area scans. Retinal thickness map and reference database are included in this report.



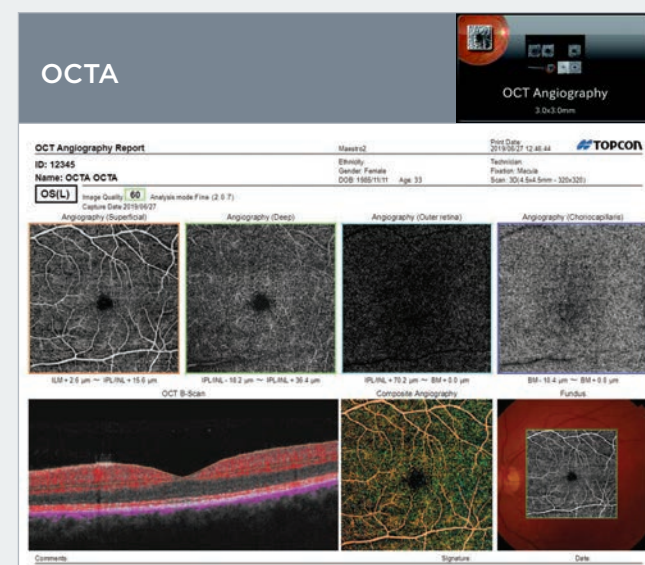
### 3D WIDE SCAN (12MM X 9MM)

This scan provides images of the macula and optic nerve in one report, providing retina, RNFL, and GCL analysis. Reference database of the RNFL, GCL+, GCL++, and total retina are automatically generated.



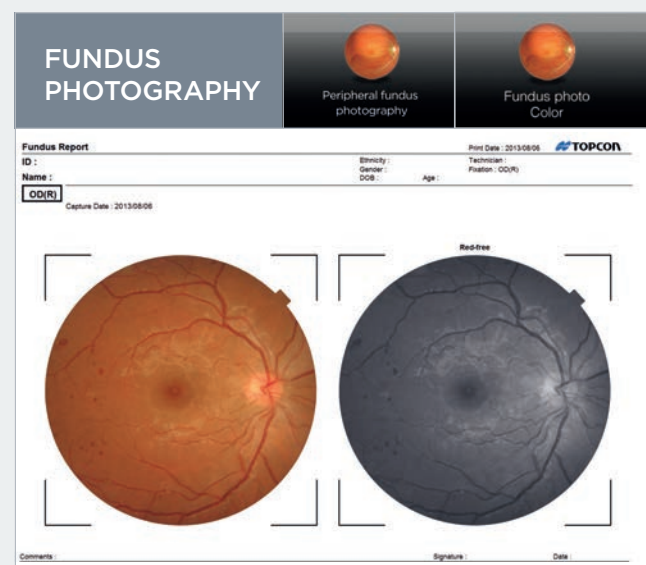
### 3D DISC ANALYSIS

Combines disc topography, fundus photography, various peripapillary parameters and RNFL thickness measurements. The reference database for RNFL and disc parameters is also incorporated.



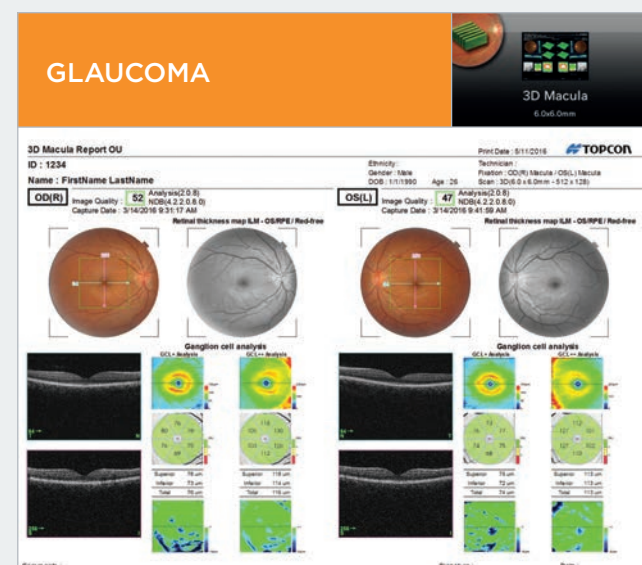
### OCT ANGIOGRAPHY

Various OCTA scan protocols are available; 3x3mm, 4.5x4.5mm and 6x6mm. This scalable report provides a clear OCTA overview.



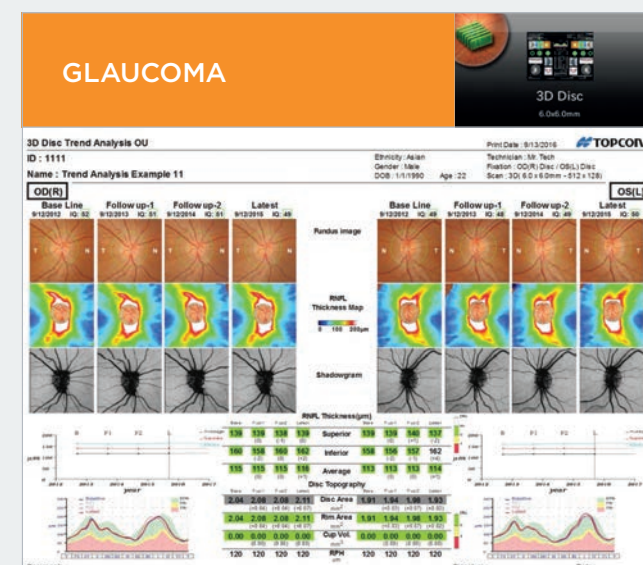
### COLOR FUNDUS PHOTOGRAPHY/ PERIPHERAL FUNDUS PHOTOGRAPHY

Non mydriatic color fundus photography and peripheral fundus photography comes standard with the Maestro2.



### 3D MACULA GCL ANALYSIS

Using the 3D macula scan, GCL analysis is also available. Reference database for GCL+ and GCL++ is incorporated into the report as well as symmetry analysis.



### TREND ANALYSIS (RNFL)

Baseline and up to three most recent visits can be compared and analyzed over time. Trends of disc parameters and reference database are also provided.

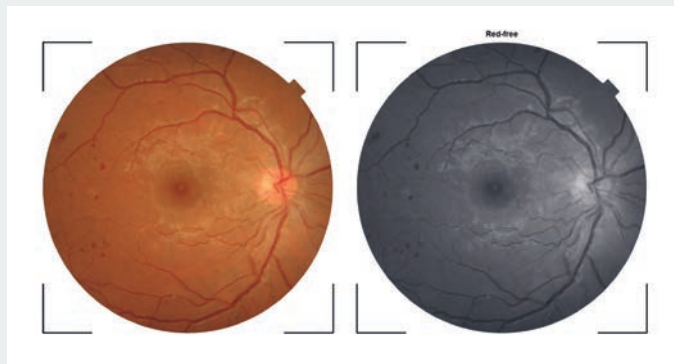


# High Resolution OCT and True Color Fundus Images



## TRUE COLOR FUNDUS PHOTOGRAPHY

The Maestro2 has an integrated full-color fundus camera. With one touch, you can simultaneously acquire a posterior OCT image and a true color fundus image. This allows PinPoint Registration and structural confirmation of the pathology. Small pupil function is also available, as well as fundus only capture.



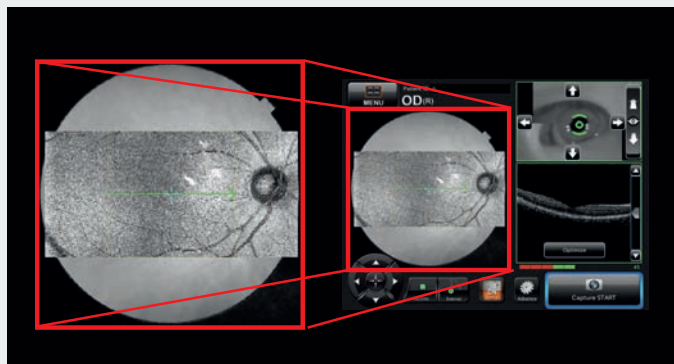
## PERIPHERAL FUNDUS PHOTOGRAPHY

The Maestro2 allows the operator to automatically select 9 standard fields or manually manipulate the patient's fixation to create a mosaic image with the AutoMosaic software.



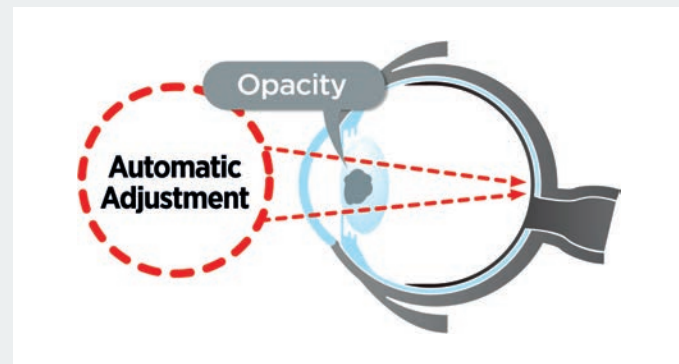
## LIVE FUNDUS VIEW™

OCT-LFV is a live projection image of the retina. The clear live fundus image makes the disc, retinal vessels and scanning position easy to see, when required.



## CATARACT MODE

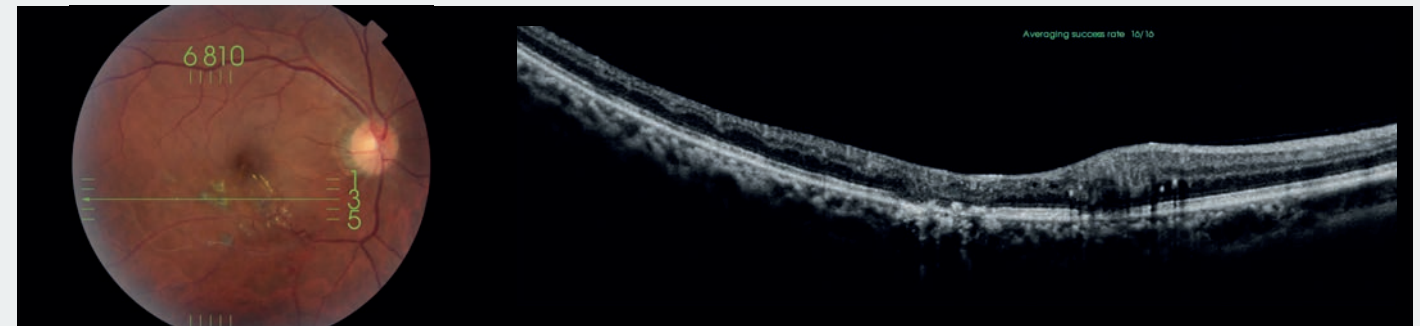
Cataract mode automatically moves the scanning position on the upper/lower area to adjust for opacity in the eye due to cataract.



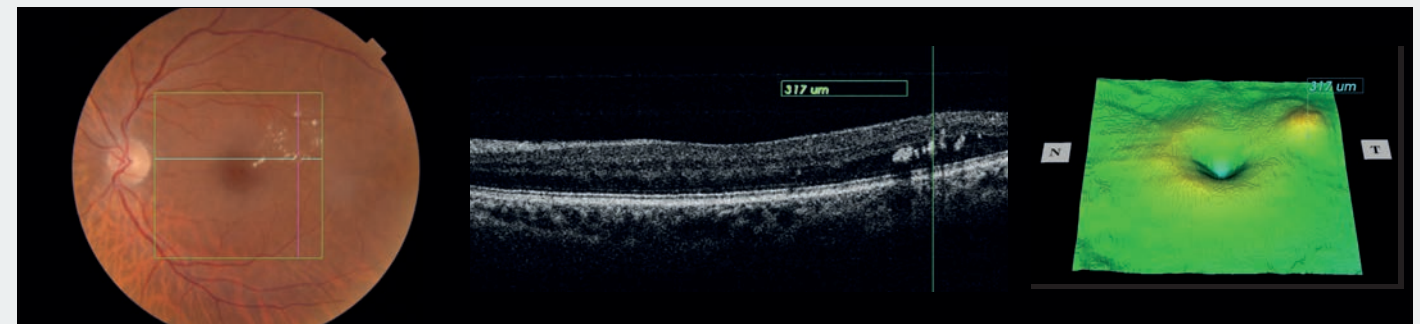
## HIGH RESOLUTION OCT AND COLOR FUNDUS PHOTOGRAPHY

A high-resolution B-scan and smooth 3D graphics facilitate the observation of pathology and each layer of the retina. High-quality color fundus photography gives fundamental and additional information. The OCT and color fundus are an inseparable combination for daily diagnosis.

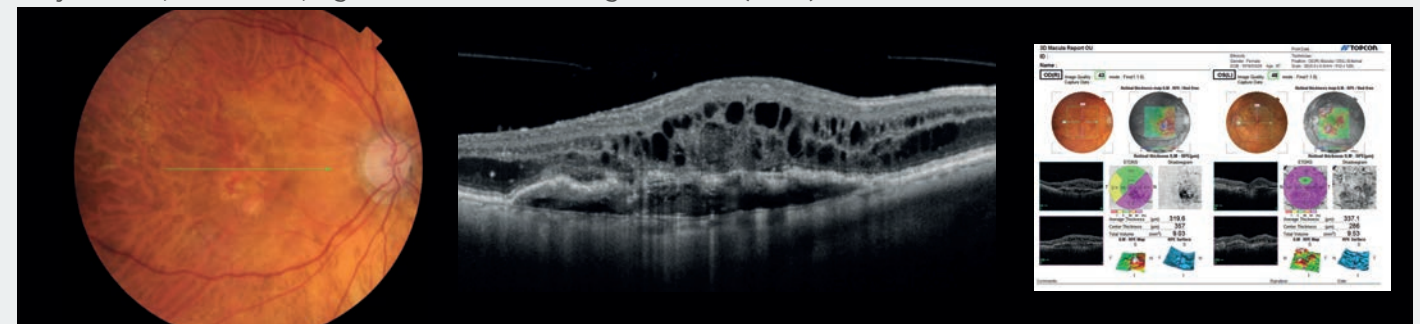
85-years old, male, OD, Branch Retinal Vein Occlusion (BRVO)



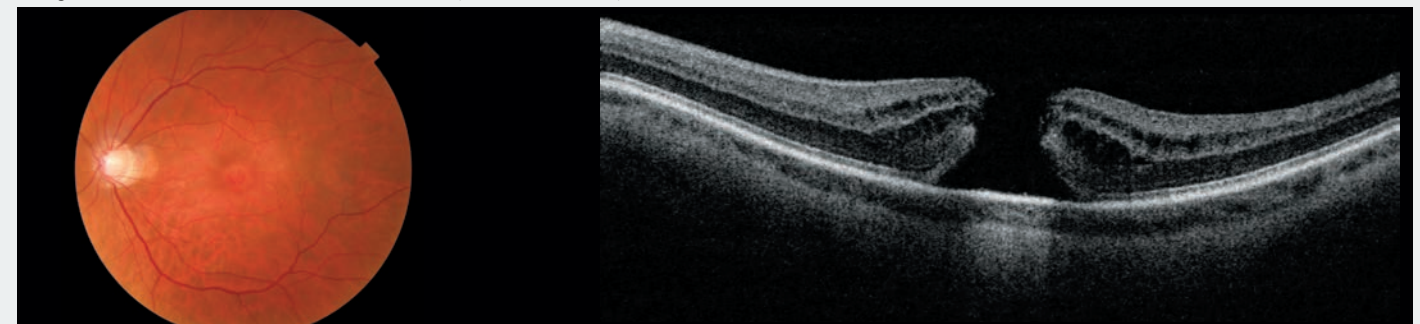
62-years old, male, OS, Diabetic Retinopathy (DR) and circinate exudate



97-years old, female OD, Age-Related Macular Degeneration (AMD)



66-years old, male OS, macular hole (full thickness)



# Specifications

ITEM	SPECIFICATIONS
Observation & photographing of the fundus	
Type of photography	Color, Red-free <sup>(Note 1)</sup> & IR <sup>(Note 3)</sup>
Picture angle for photography	45° ± 35% or less 30° or equivalent (digital zoom)
Operating distance	34.8 ± 0.1mm (when taking a picture of fundus)
Photographable Diameter of pupil	Normal pupil diameter: ø4.0mm or more Small pupil diameter: ø3.3mm or more
Fundus image resolution (on fundus)	Center : 60 lines/mm or more Middle (r/2) : 40 lines/mm or more Middle (r) : 25 lines/mm or more IR photography : Center: 5 lines/mm or more <sup>(Note 3)</sup>
Observation & photographing of the fundus tomogram	
Scan range (on fundus) Horizontal direction	3 - 12mm ± 5% or less
Scan pattern	Vertical direction 3 - 9mm ± 5% or less 3D scan (horizontal/vertical) Linear scan (Line-scan/Cross-scan/Radial-scan)
Scan speed	50,000 A-Scans per second
Lateral resolution	20µm or less
In-depth resolution	6µm or less
Photographable diameter of pupil	ø2.5mm or more
Observation & photographing of the fundus image/fundus tomogram	
Fixation target	Internal fixation target: Dot matrix type organic EL The display position can be changed and adjusted. The displaying method can be changed. Peripheral fixation target: This is displayed according to the internal fixation target displayed position. External fixation target
Observation & photographing of anterior segment	
Type of photography	Color & IR <sup>(Note 3)</sup>
Operating distance	62.6 ± 1mm (when taking a picture of anterior segment) <sup>(Note 2)</sup>
Observation & photographing of the anterior segment tomogram	
Operating distance	62.6 ± 0.1mm (when taking a picture of anterior segment) <sup>(Note 2)</sup>
Scan range (on cornea) <sup>(Note 2)</sup>	Horizontal direction 3 - 6mm ± 5% or less Vertical direction 3 - 6mm ± 5% or less
Scan pattern	Linear scan (Line-scan/Radial-scan)
Scan speed	50,000 A-Scans per second
Fixation target	External fixation target

(Note 1) Digital Red-free photography that processes a color image and displays it in pseudo-red-free condition

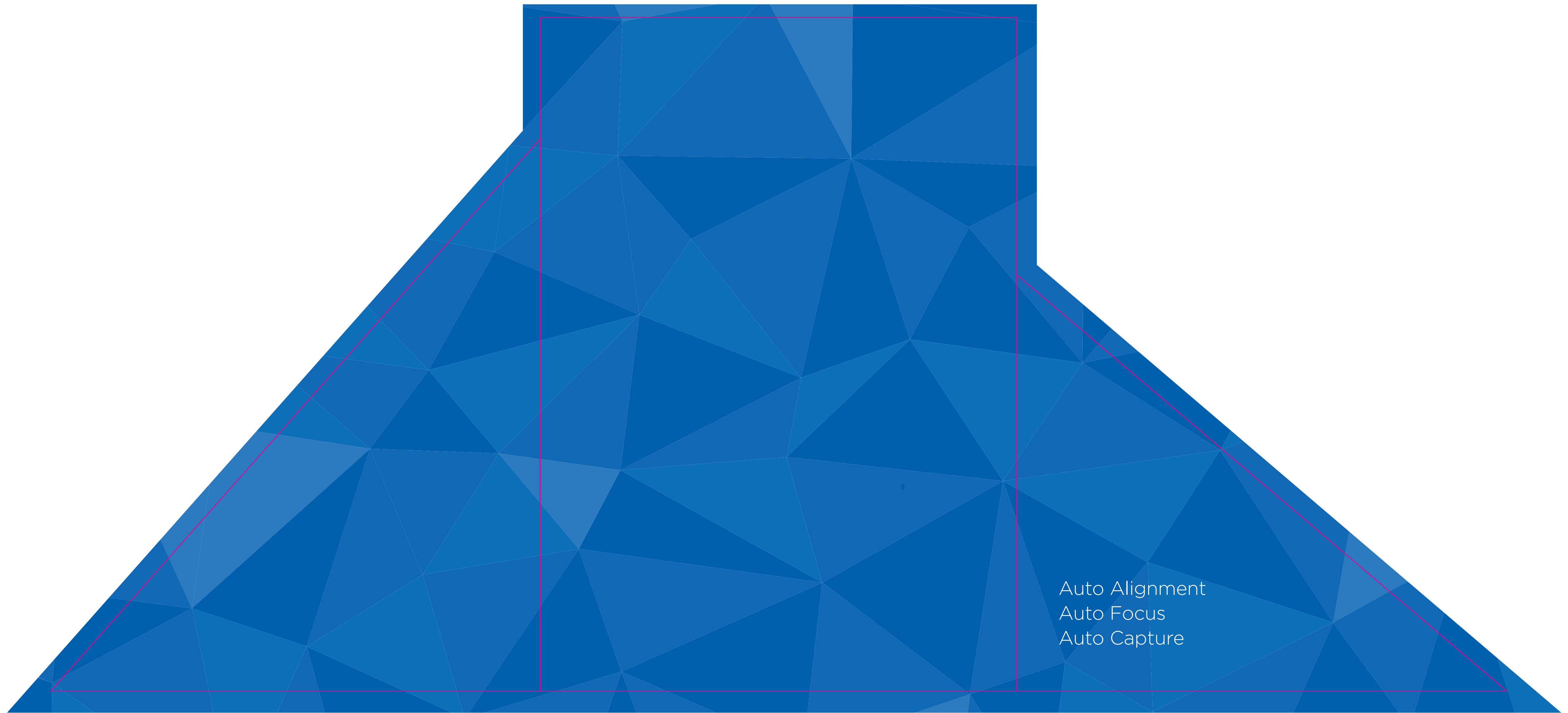
(Note 2) When the attachment for anterior segment is included in the system configuration

(Note 3) This is used only for recording the position where a tomogram is captured.

## Infinite screen positioning for ultimate flexibility







Auto Alignment  
Auto Focus  
Auto Capture