

# Maestro2

Robotic Optical Coherence Tomography  
with True Color Fundus Camera

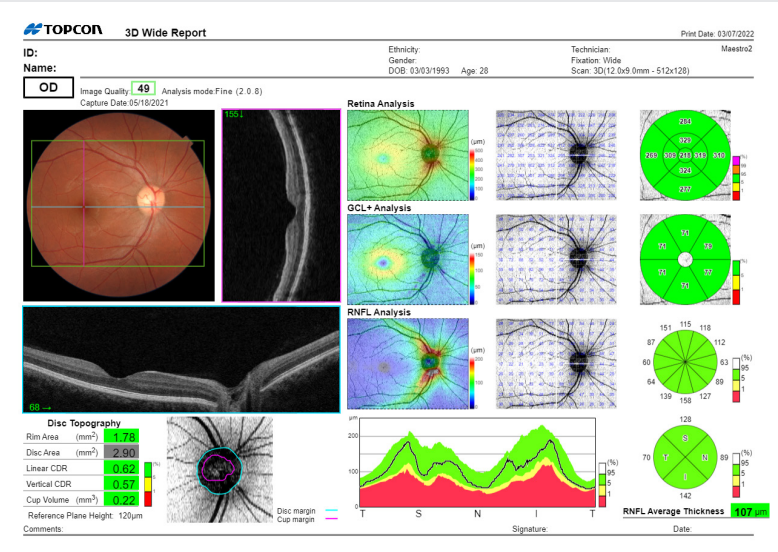


**VERSATILE.**  
**EASY TO USE.**  
**COMPREHENSIVE**  
**REPORTING.**



Widefield OCT Scan

12x9mm widefield OCT scan encompasses both macula and disc with thickness metrics and reference database for a comprehensive assessment of eye health.



Overview

User-friendly  
**Robotic OCT +**  
Fundus Camera

OCT and **True Color<sup>1</sup>**  
Fundus Photography

Single Touch,  
**Automated Capture**

**12x9mm 3D Wide Scan**  
with Hood Report  
for Glaucoma

Anterior Segment OCT<sup>2</sup>

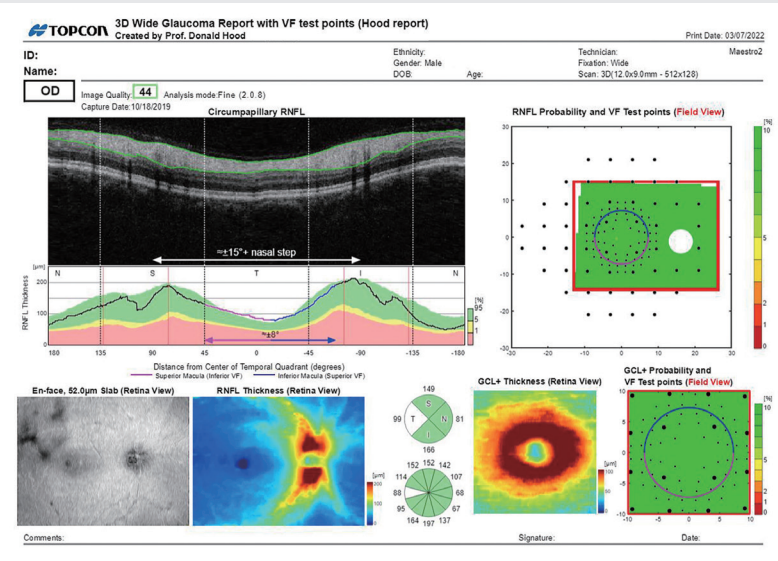
**Reference Database**

Full 360° Rotating Monitor  
**Allows Operator Distance**

Small Footprint.  
**Space Saving**

Hood Report for Glaucoma

Analyze structure-function in glaucoma suspects and patients with retinal thickness/RNFL and GCL probability maps alongside visual field test locations.\*



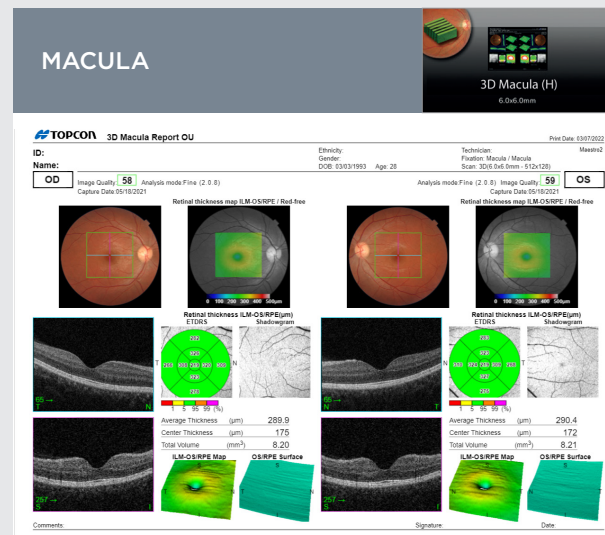
\*Donald C. Hood PhD, Translational Vision Science & Technology No.6 Vol.3 2014: Evaluation of a One-Page Report to Aid in Detecting Glaucomatous Damage.



## Guidance for Diagnosis

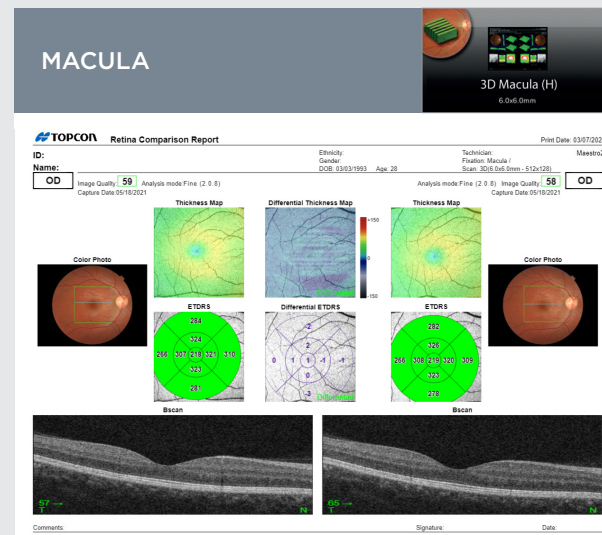
Maestro2 provides rich analysis of the macular and disc regions. Reports can be auto-exported, quickly printed or sent to your image management system or EHR in common file formats.

## Reports | Retina



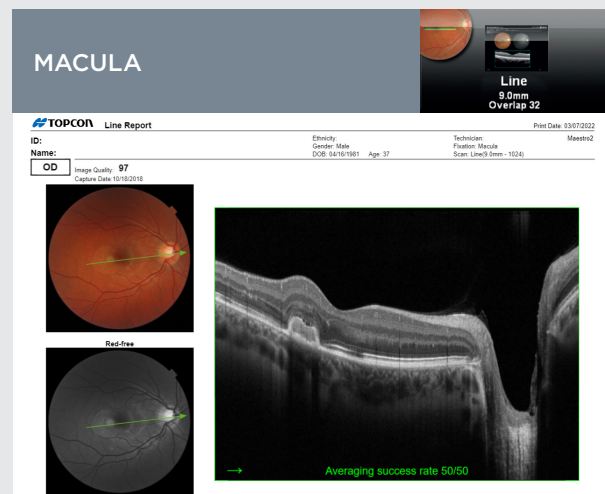
### 3D MACULA REPORT (OU) RETINA ANALYSIS

6x6 mm bilateral scan report includes true-color and red-free fundus photography with OCT thickness overlay, retinal thickness with reference database, high-resolution OCT scans and thickness surface.



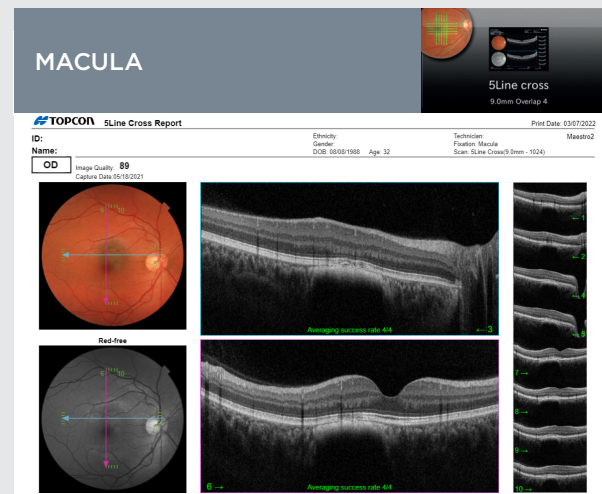
## COMPARE REPORT - CHANGE ANALYSIS

Unilateral visit-to-visit change report with 45°true-color fundus photography, intervisit-registered OCT scans (3D Macula or 3D Wide), ETDRS. Map and Differential ETDRS displaying thickness variance in +/- microns.



## SINGLE LINE SCAN

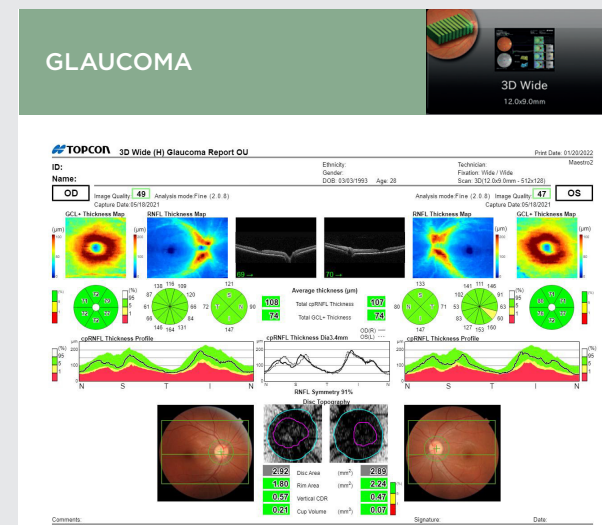
45° true-color and red-free fundus photographs with the high resolution OCT scan.



## 5 LINE CROSS SCAN

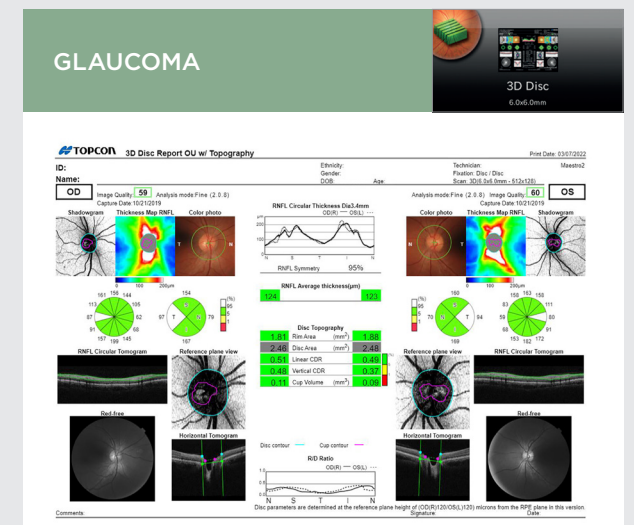
5-line cross scan displays horizontal and vertical B-scans (6mm, 9mm).

## Reports | Glaucoma



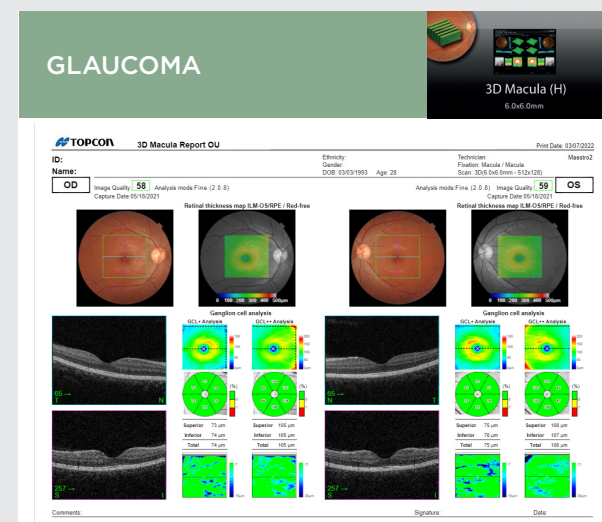
### 3D WIDE (H) GLAUCOMA REPORT OU

Wide, 12x9mm OU OCT scan report. Includes 45° true-color fundus photograph, RNFL thickness, disc topography, GCL+ thickness all with reference data.



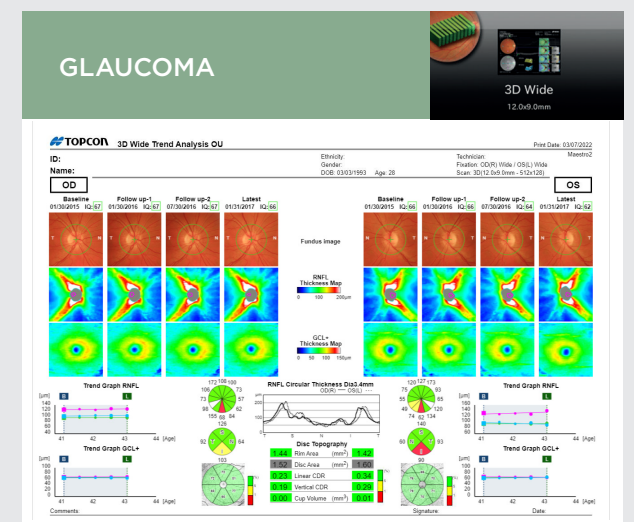
### 3D DISC REPORT (OU) WITH TOPOGRAPHY

Optic nerve 6x6 mm OCT scans offering conventional analyses with photography in a bilateral report.



### 3D MACULA REPORT (OU) - GCL ANALYSIS

GCL+, GCL++ thickness maps and comparison with reference data and symmetry analysis.



### 3D WIDE TREND ANALYSIS OU

Baseline and subsequent visits can be examined over time. Trends are provided for disc parameters, RNFL and GCL thickness along with a reference database comparison.

**GCL+:** The thickness of GCL and IPL.

**GCL++:** The thickness of GCL, IPL and RNFL.



# Fundus Photography

# Anterior Segment OCT

## True Color Fundus Photography<sup>1</sup>

Integrated true color fundus camera enables simultaneous capture of the OCT image and fundus photo. PinPoint Registration allows multimodal observation of suspected pathology. Small pupil mode and fundus only capture are also available.

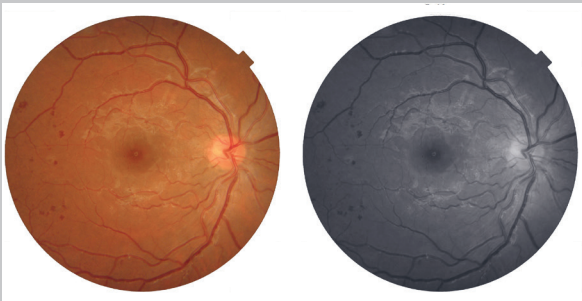


Image courtesy: Michael H. Chen, O.D.

## Peripheral Fundus Photography

Automatically select nine standard fields or manually manipulate the patient's fixation to create a mosaic image with the AutoMosaic software.

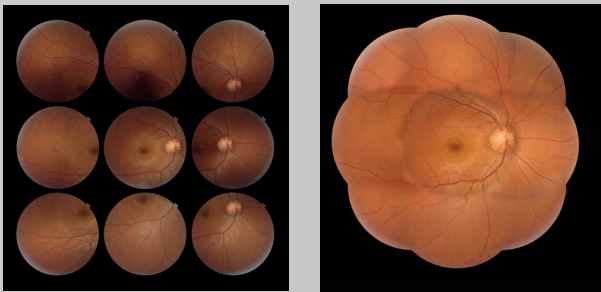
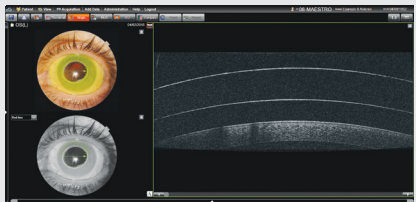
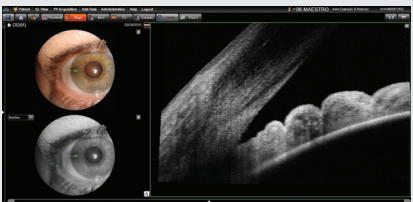
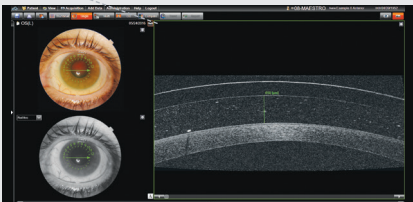
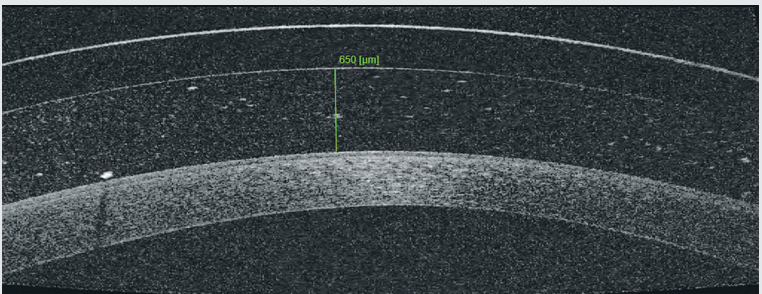


Image courtesy: Michael H. Chen, O.D.

## Anterior Segment OCT<sup>2</sup>

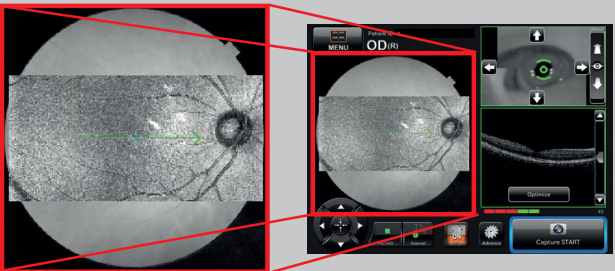
Capture cornea and anterior chamber scans and measure corneal thickness and contact lens clearance with manual caliper tools.<sup>3,4</sup>



3. [www.reviewofoptometry.com/article/12-ways-to-get-more-out-of-your-oct-1](http://www.reviewofoptometry.com/article/12-ways-to-get-more-out-of-your-oct-1)  
4. [www.optometrytimes.com/view/use-oct-to-determine-scleral-lens-clearance](http://www.optometrytimes.com/view/use-oct-to-determine-scleral-lens-clearance)

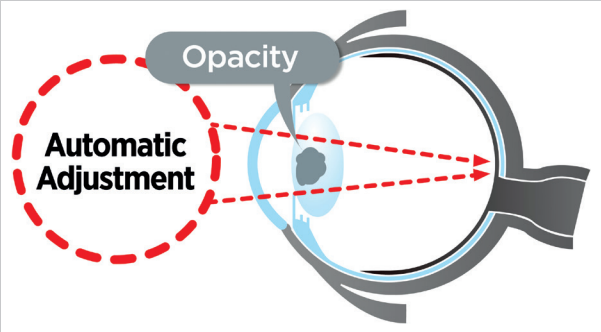
## Live Fundus View™ (LFV)

OCT-LFV is a live projection image of the retina that makes the disc, retinal vessels and scanning position easy to see.

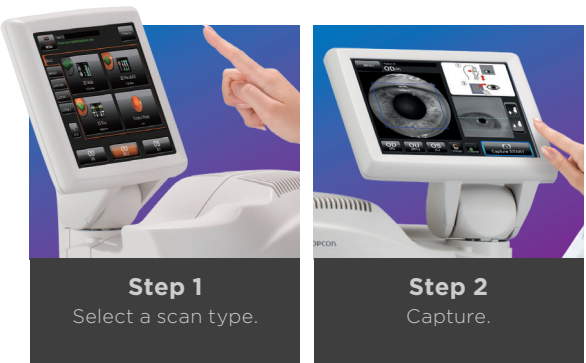


## Cataract Mode

Cataract mode automatically adjusts the scanning position to minimize the impact of any opacities such as cataracts.

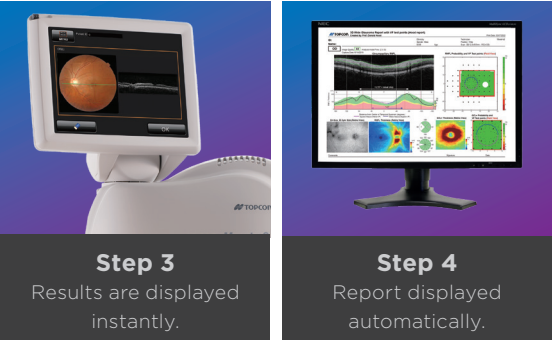


Auto Align. Auto Focus. Auto Capture.



**Step 1**  
Select a scan type.

**Step 2**  
Capture.



**Step 3**  
Results are displayed instantly.

**Step 4**  
Report displayed automatically.

Full 360° rotating monitor allows operator distance.



Optional Accessory



Anterior segment attachment (HA-2)

# Specifications

Item	Specifications		
Observation & photography of the fundus			
	Type of photography	Color, Red-free <sup>(Note 1)</sup> & IR <sup>(Note 3)</sup>	
	Picture angle for photography	45° ±5% or less 30° or equivalent (digital zoom)	
	Operating distance	34.8 ±0.1mm (when taking a picture of fundus)	
	Photographable diameter of pupil	ø4.0mm or more : When small pupil diaphragm is NOT used. ø3.3mm or more : When small pupil diaphragm is used.	
	Fundus image resolution (on fundus)	Center : Middle (r/2) : Middle (r) : IR photography :	60 lines/mm or more 40 lines/mm or more 25 lines/mm or more Center: 5 lines/mm or more <sup>(Note 3)</sup>
Observation & photographing of the fundus tomogram			
	Scan range (on fundus)	Horizontal direction Vertical direction	3 - 12mm ±5% or less 3 - 9mm ±5% or less
	Scan pattern	3D scan (horizontal/vertical) Linear scan (Line-scan/Cross-scan )	
	Scan speed	50,000 A-Scans per second	
	Lateral resolution	20μm or less	
	In-depth resolution	6μm or less Pixel spacing: 2.6μm ±2%	
	Photographable diameter of pupil	ø2.5mm or more	
Observation & photographing of the fundus image/fundus tomogram			
	Fixation target	Dot matrix type organic ELD display	
Observation & photographing of anterior segment			
	Type of photography	Color & IR <sup>(Note 3)</sup>	
	Operating distance	62.6 ±0.1mm (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 Vertical direction	3 - 6mm ±5% or less 3 - 6mm ±5% or less
	Scan pattern	Linear scan (Line-scan/Radial-scan)	
	Scan speed	50,000 A-Scans per second	
Electric rating / Dimensions & weight			
	Source voltage Power input	AC 100 - 240V 50-60Hz 70 - 150VA	
	Dimensions Weight	340 - 480mm (W) x 543 - 680mm (D) x 530 - 735mm (H) 25kg	

(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.

1. True, full color fundus image simultaneously captured with white light, 24-bit color.

2. Optional attachment required.

**IMPORTANT** In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

Not available for sale in all countries. Please check with your local distributor for availability in your country.  
3D Optical Coherence Tomography | 3D OCT-1 (Type: Maestro2)



## TOPCON CORPORATION

75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, JAPAN.

Phone: +81-(0)3-3558-2522/2502

Fax: +81-(0)3-3965-6898

<https://topconhealthcare.jp>

## TOPCON MEDICAL SYSTEMS, INC.

111 Bauer Drive, Oakland, NJ 07436, U.S.A.

Phone: +1-201-599-5100

[www.topconhealthcare.com](http://www.topconhealthcare.com)