

Maestro2

Robotic Optical Coherence Tomography
with True Color Fundus Camera



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



Maestro2

Fully Automated,
Robotic OCT & True
Color Fundus Camera.

Overview



User-friendly
Robotic OCT +
Fundus Camera



OCT and **True Color¹**
Fundus Photography



Single Touch,
Automated Capture



12x9mm 3D Wide Scan
with Hood Report
for Glaucoma



Anterior Segment OCT²



Reference Database



Full 360° Rotating Monitor
Allows Operator Distance

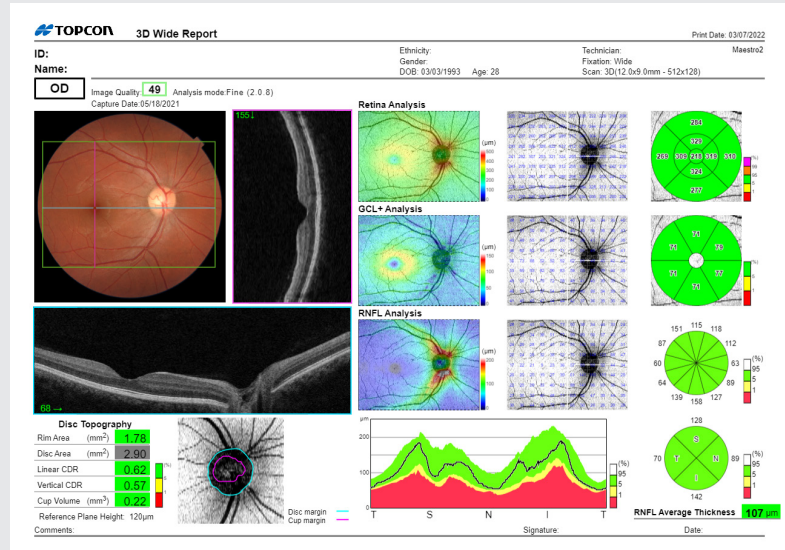


Small Footprint.
Space Saving

Comprehensive Scan Reports

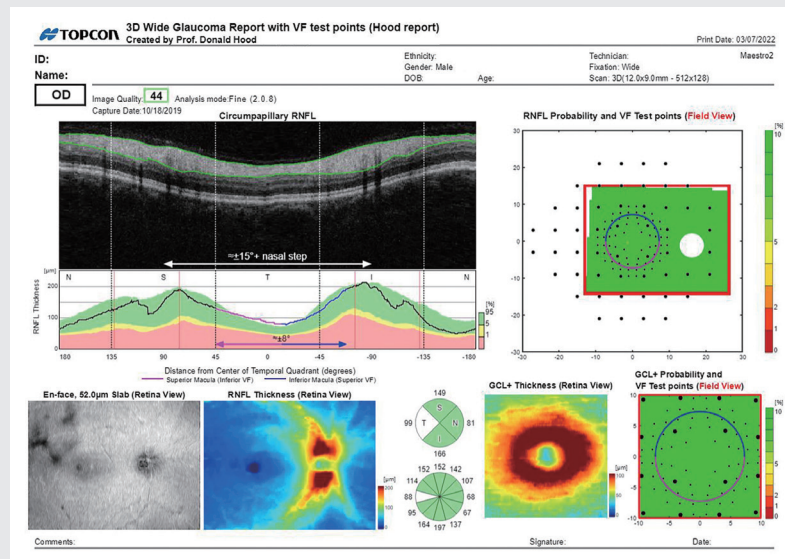
Widefield OCT Scan

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



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.*

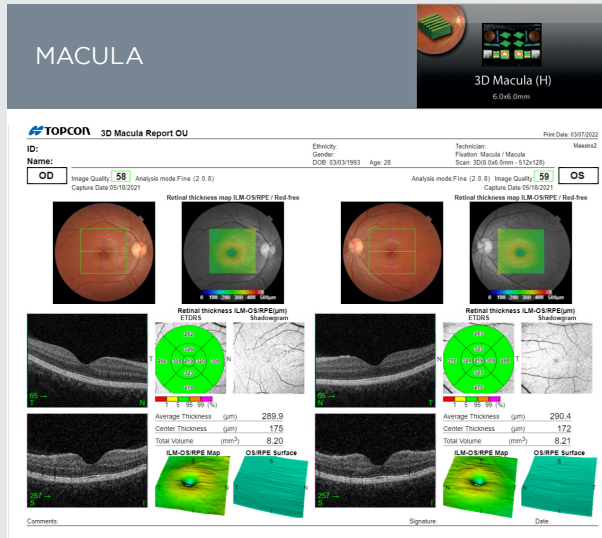


*Donald C. Hood PhD, Translational Vision Science & Technology No.6 Vol.3 2014: Evaluation of a One-Page Report to Aid in Detecting Glaucomatous Damage.

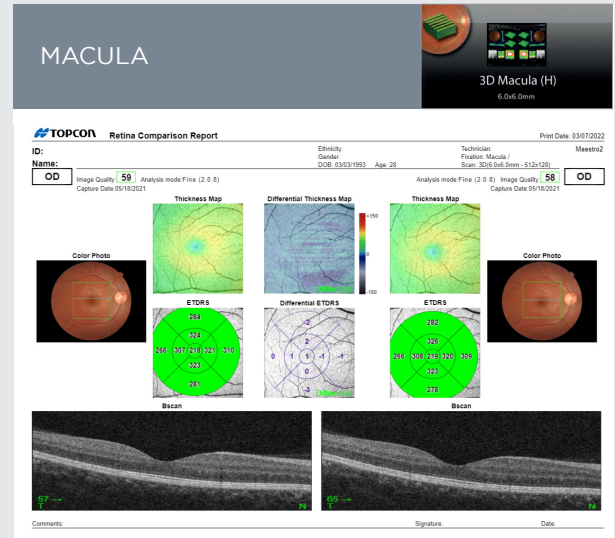
Guidance for Diagnosis

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.

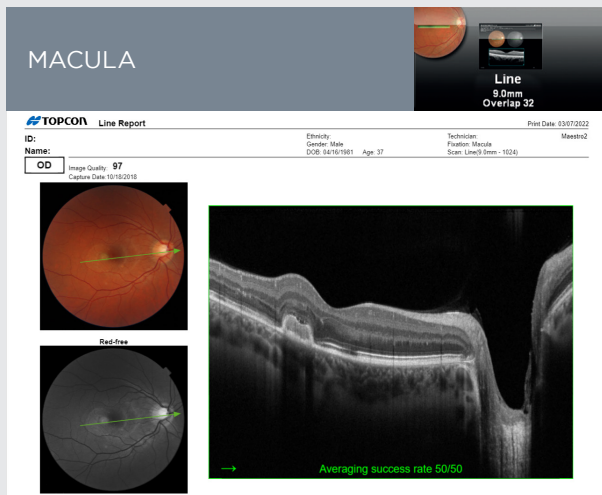
Reports | Retina



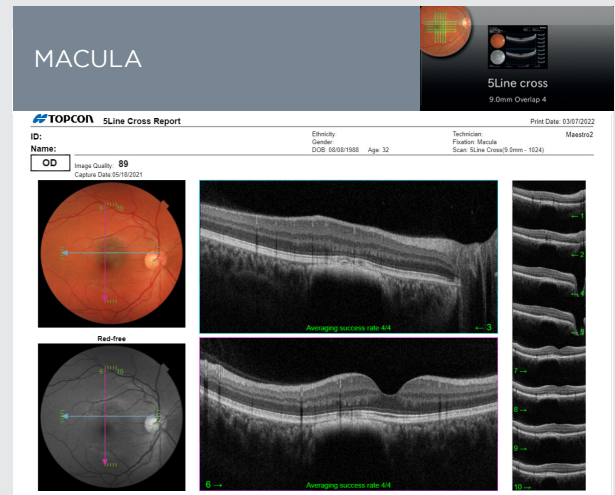
3D MACULA REPORT (OU) RETINA ANALYSIS
6x6 mm bilateral scan report includes true-color and red-free fundus photography with OCT thickness overlay, retinal thickness with reference database, high-resolution OCT scans and thickness surface.



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

GLAUCOMA
3D Wide
12.0x9.0mm

TOPCON 3D Wide (H) Glaucoma Report OU Print Date: 03/07/2022

ID: Ethnicity: Maasr2
 Name: Gender: Male
 Age: 20 DOB: 03/03/1993
 Technician: Frazier, Wills / Wills
 Scan: 3D(12.0x9.0mm: 01/24/2021)

Image Quality: **49** Analysis mode: Fine (2.0.8) Image Quality: **47** OS
 Capture Date: 05/19/2021 Capture Date: 05/19/2021

Comments Signature Date

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.

GLAUCOMA
3D Disc
6.0x6.0mm

TOPCON 3D Disc Report OU w/ Topography Print Date: 03/07/2022

ID: Ethnicity: Maasr2
 Name: Gender: Male
 Age: 20 DOB: 03/03/1993
 Technician: Frazier, Wills / Wills
 Scan: 3D(6.0x6.0mm: 01/24/2021)

Image Quality: **59** Analysis mode: Fine (2.0.8) Image Quality: **60** OS
 Capture Date: 05/19/2021 Capture Date: 05/19/2021

Comments Signature Date

3D DISC REPORT (OU) WITH TOPOGRAPHY
 Optic nerve 6x6 mm OCT scans offering conventional analyses with photography in a bilateral report.

GLAUCOMA
3D Macula (H)
6.0x6.0mm

TOPCON 3D Macula Report OU Print Date: 03/07/2022

ID: Ethnicity: Maasr2
 Name: Gender: Male
 Age: 20 DOB: 03/03/1993
 Technician: Frazier, Macula / Macula
 Scan: 3D(6.0x6.0mm: 01/24/2021)

Image Quality: **58** Analysis mode: Fine (2.0.8) Image Quality: **59** OS
 Capture Date: 05/19/2021 Capture Date: 05/19/2021

Comments Signature Date

3D MACULA REPORT (OU) - GCL ANALYSIS
 GCL+, GCL++ thickness maps and comparison with reference data and symmetry analysis.

GLAUCOMA
3D Wide
12.0x9.0mm

TOPCON 3D Wide Trend Analysis OU Print Date: 03/07/2022

ID: Ethnicity: Maasr2
 Name: Gender: Male
 Age: 20 DOB: 03/03/1993
 Technician: Frazier, Wills / Wills
 Scan: 3D(12.0x9.0mm: 01/24/2021)

Image Quality: **57** Analysis mode: Fine (2.0.8) Image Quality: **57** OS
 Capture Date: 05/19/2021 Capture Date: 05/19/2021

Comments Signature Date

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

True Color Fundus Photography¹

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.

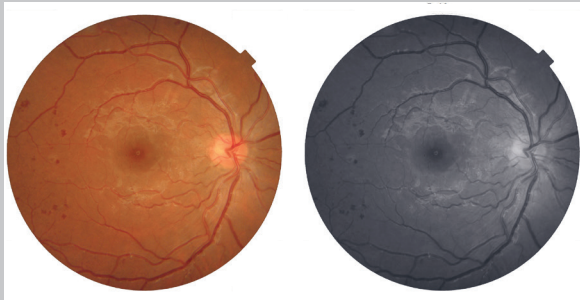


Image courtesy: Michael H. Chen, O.D.

Peripheral Fundus Photography

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

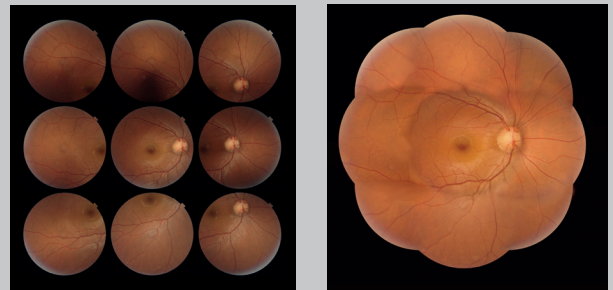
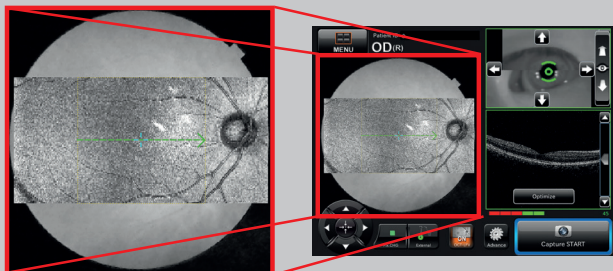


Image courtesy: Michael H. Chen, O.D.

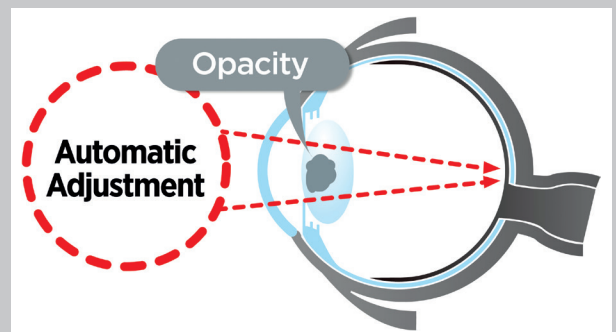
Live Fundus View™ (LFV)

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



Cataract Mode

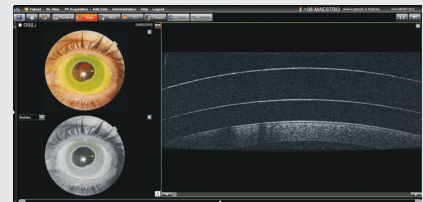
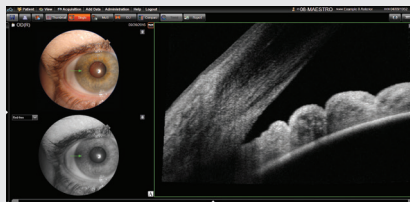
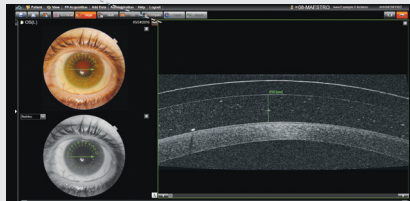
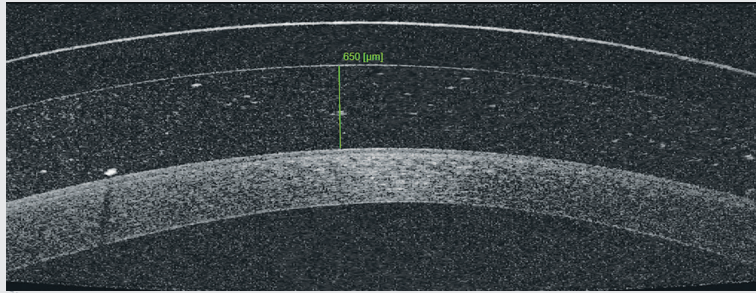
Cataract mode automatically adjusts the scanning position to minimize the impact of any opacities such as cataracts.



Anterior Segment OCT

Anterior Segment OCT²

Capture cornea and anterior chamber scans and measure corneal thickness and contact lens clearance with manual caliper tools.^{3,4}



3. 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

Auto Align. Auto Focus. Auto Capture.



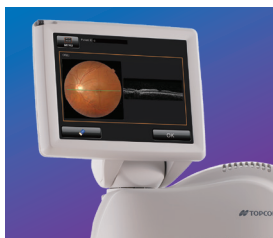
Step 1

Select a scan type.



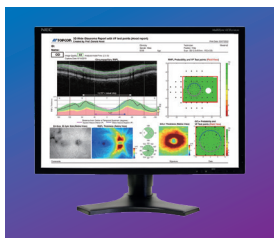
Step 2

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 ^(Note 1) & IR ^(Note 3)	
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 ^(Note 3)
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 ^(Note 3)	
Operating distance	62.6 ±0.1mm (when taking a picture of anterior segment) ^(Note 2)	
Observation & photographing of the anterior segment tomogram		
Operating distance	62.6 ±0.1mm (when taking a picture of anterior segment) ^(Note 2)	
Scan range (on cornea) ^(Note 2)	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.

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IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.
Not all products, services, or offers are available in all markets. Contact your local distributor for country-specific information and availability.



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