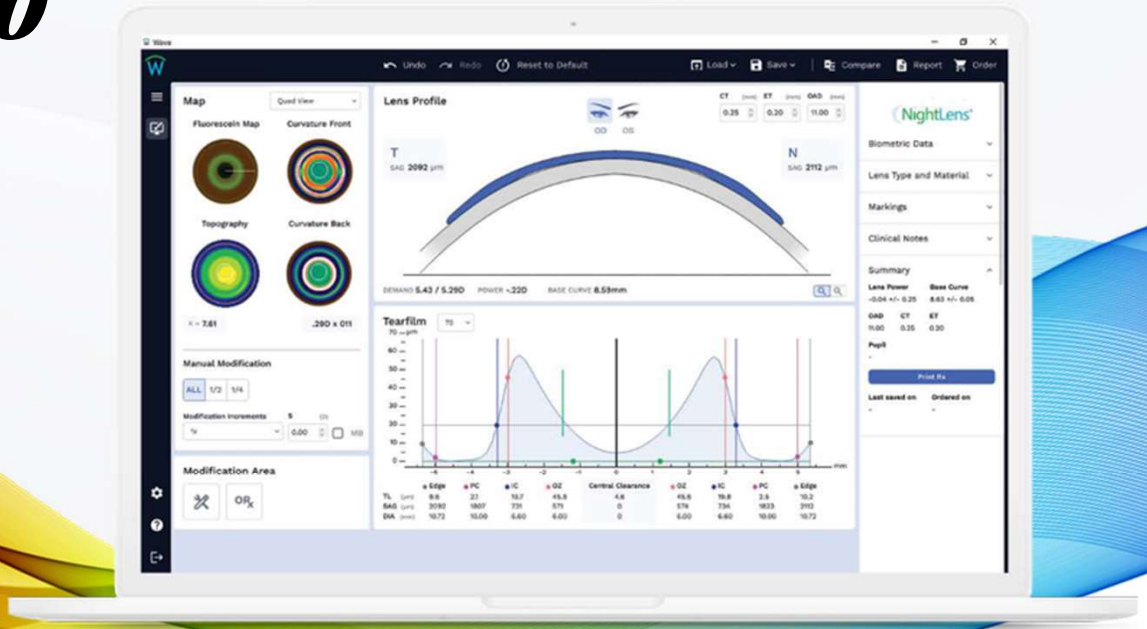
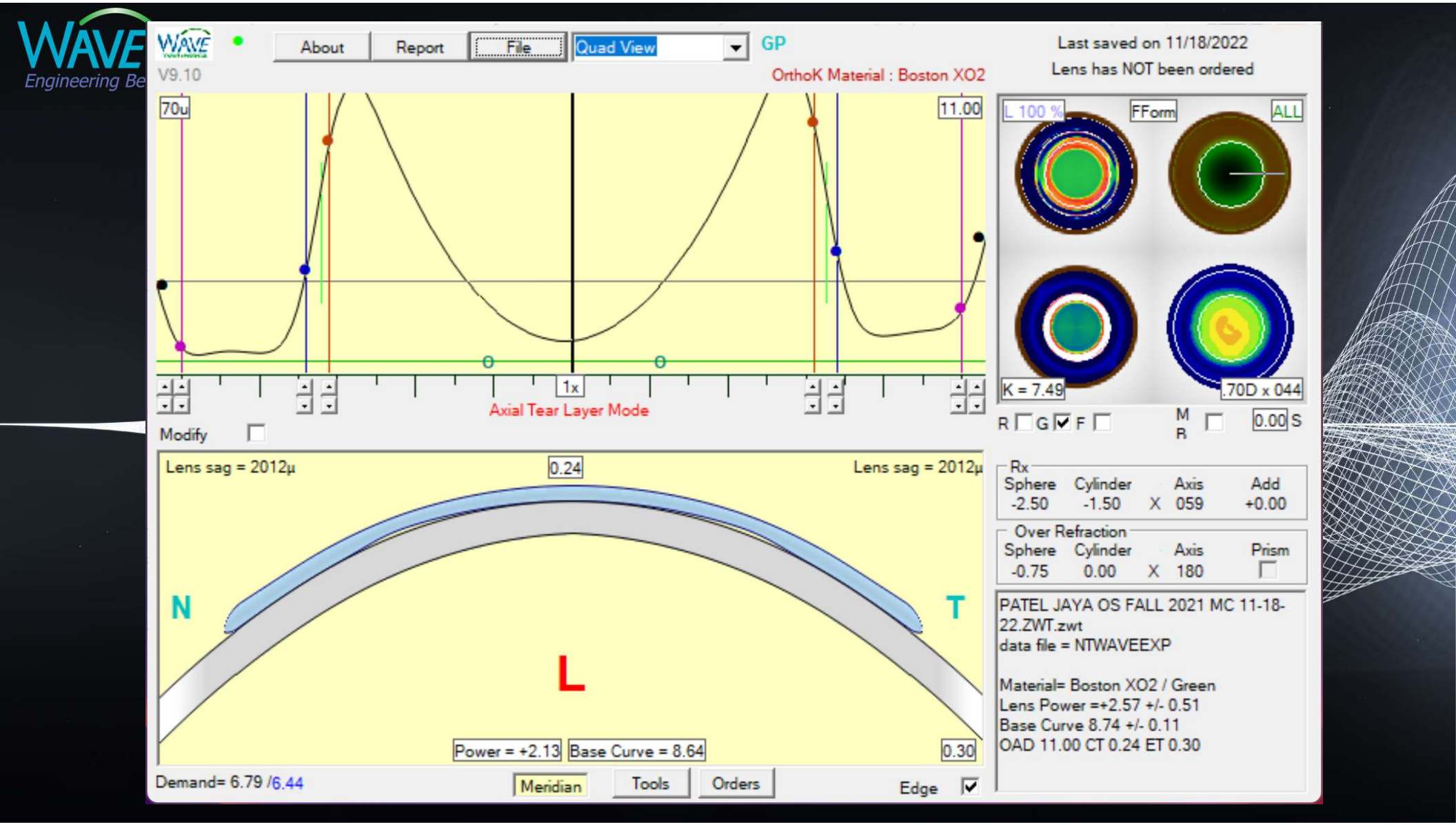
Highlights of the NEW WAVE software version 9.60

WAVE CONTACT® LENS SYSTEM
Engineering Better Vision

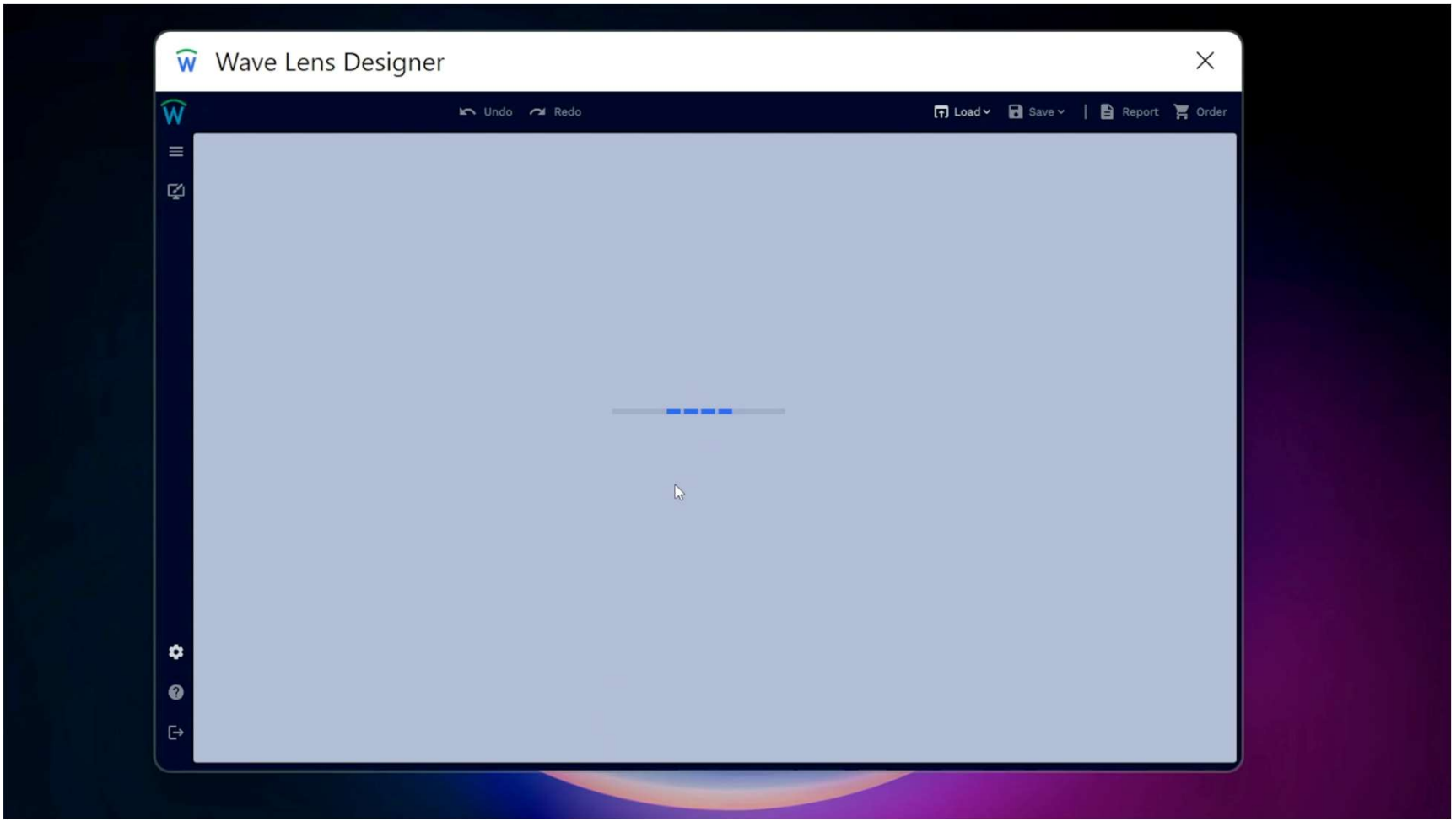


Michelle Chung, OD

Shelby Walstad, CPO, ABOC, NCLEC

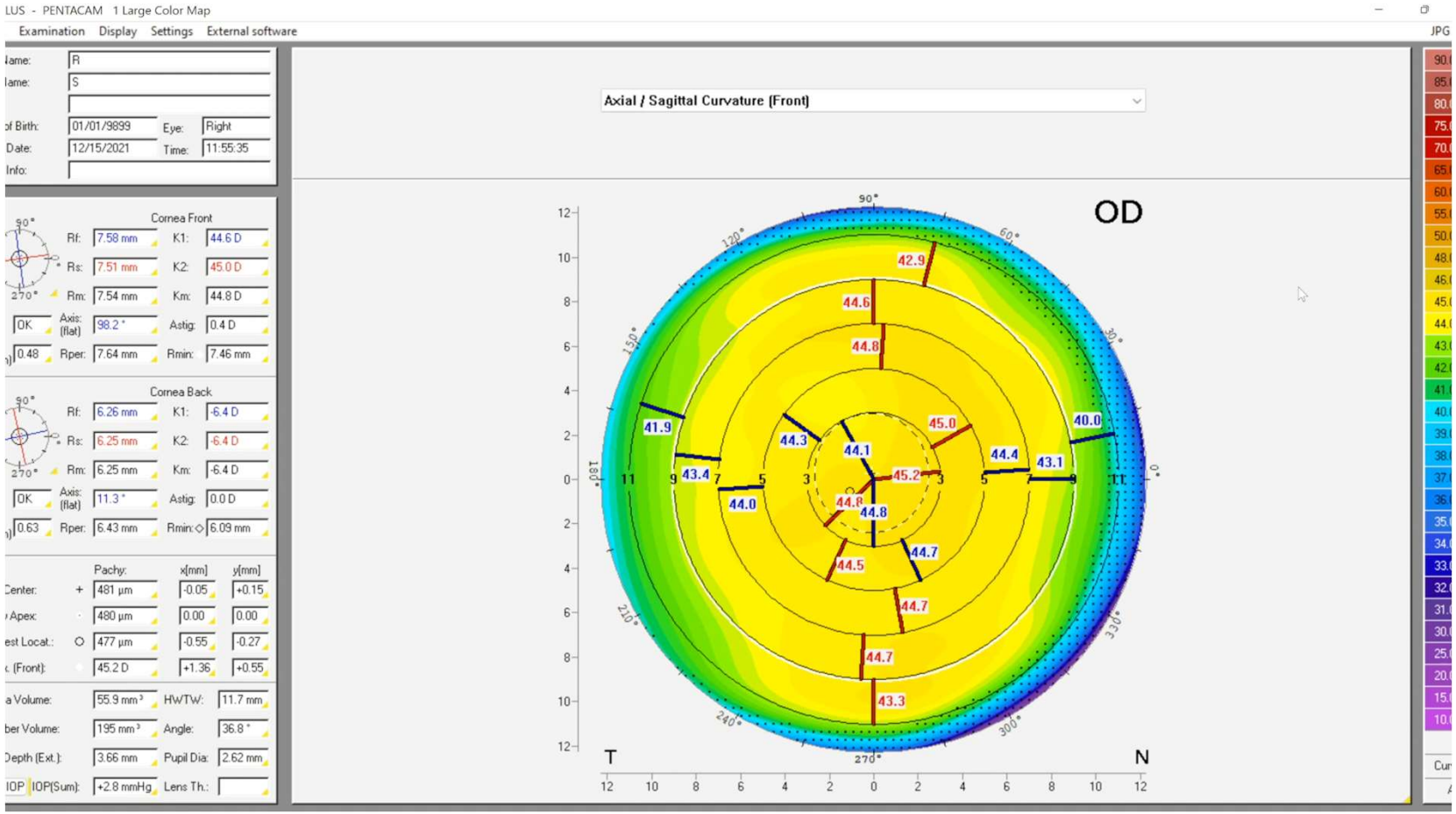

WAVE
Engineering Be
About
Report
File
Quad View
GP
V9.10
OrthoK Material : Boston XO2
Last saved on 11/18/2022
Lens has NOT been ordered
70u
11.00
1x
Axial Tear Layer Mode
L 100 %
FForm
ALL
K = 7.49
.70D x 044
R G F
M R
0.00 S
Modify
Lens sag = 2012µ
0.24
Lens sag = 2012µ
N
T
L
Power = +2.13
Base Curve = 8.64
0.30
Rx
Sphere Cylinder Axis Add
-2.50 -1.50 X 059 +0.00
Over Refraction
Sphere Cylinder Axis Prism
-0.75 0.00 X 180
PATEL JAYA OS FALL 2021 MC 11-18-22.ZWT.zwt
data file = NTWAVEEXP
Material= Boston XO2 / Green
Lens Power =+2.57 +/- 0.51
Base Curve 8.74 +/- 0.11
OAD 11.00 CT 0.24 ET 0.30
Demand= 6.79 /6.44
Meridian
Tools
Orders
Edge

WAVE CONTACT LENS SYSTEM
Engineering Better Vision

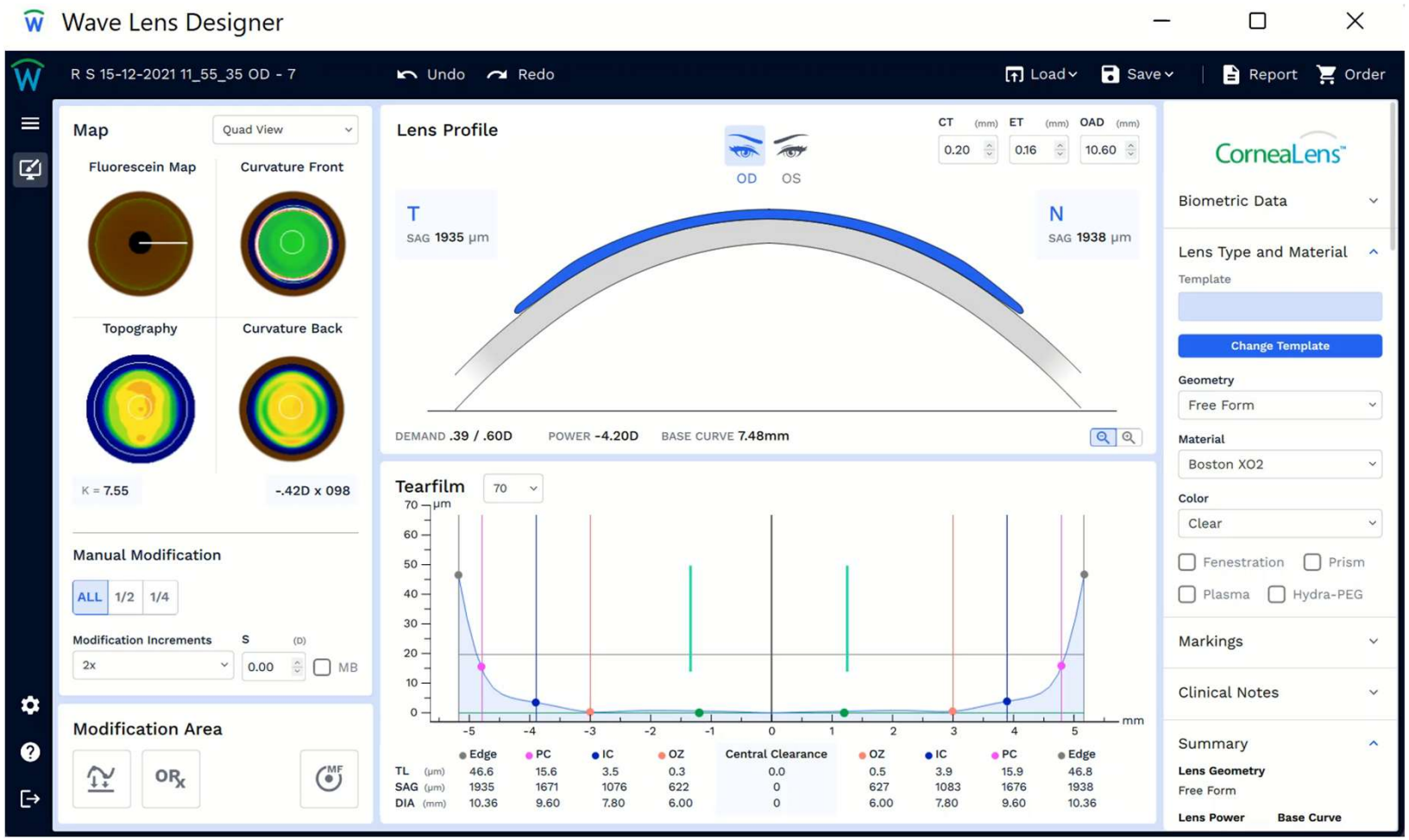


NightLens
Correct Your Vision While You Sleep

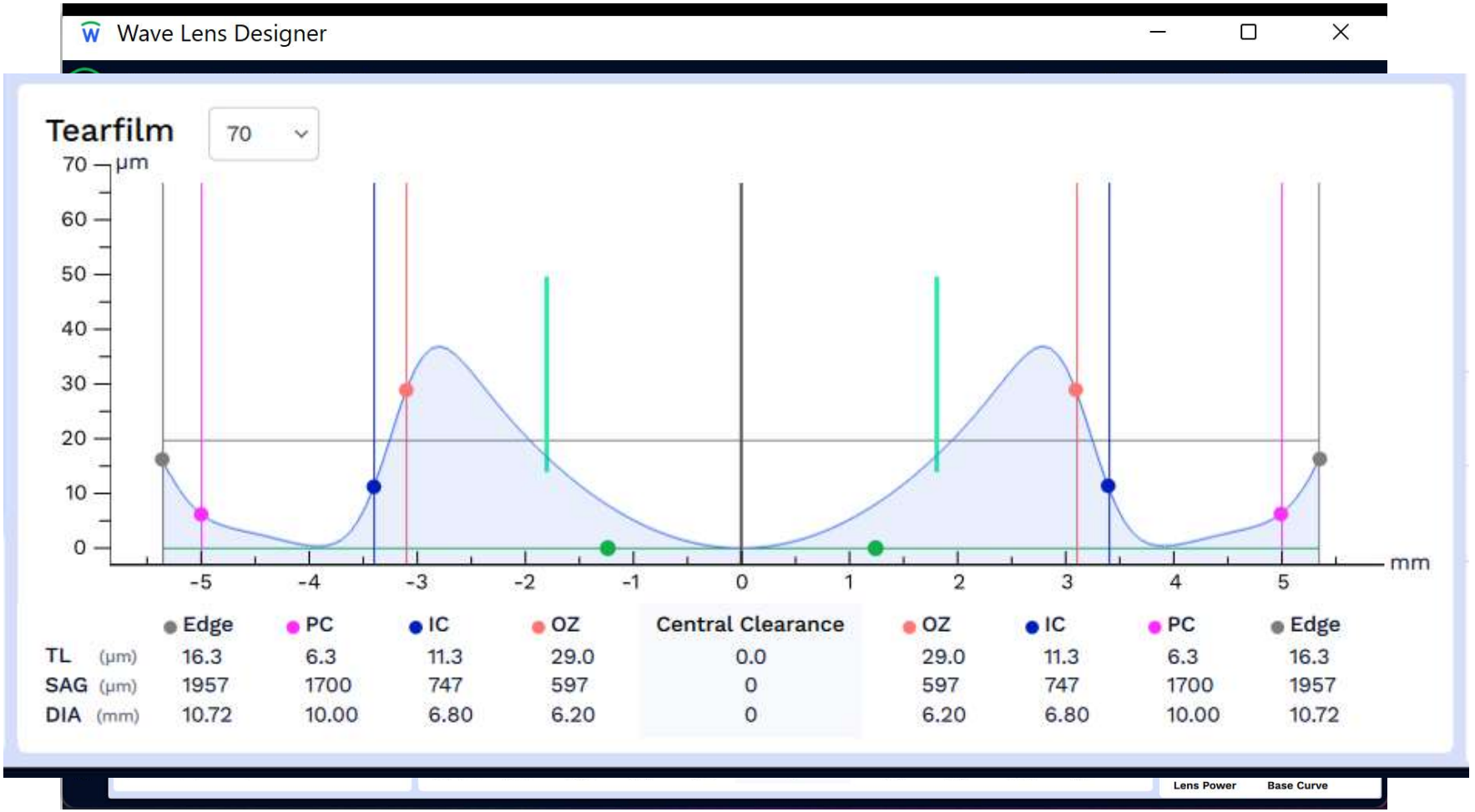
WAVE CONTACT® LENS SYSTEM
Engineering Better Vision



WAVE CONTACT LENS SYSTEM
Engineering Better Vision



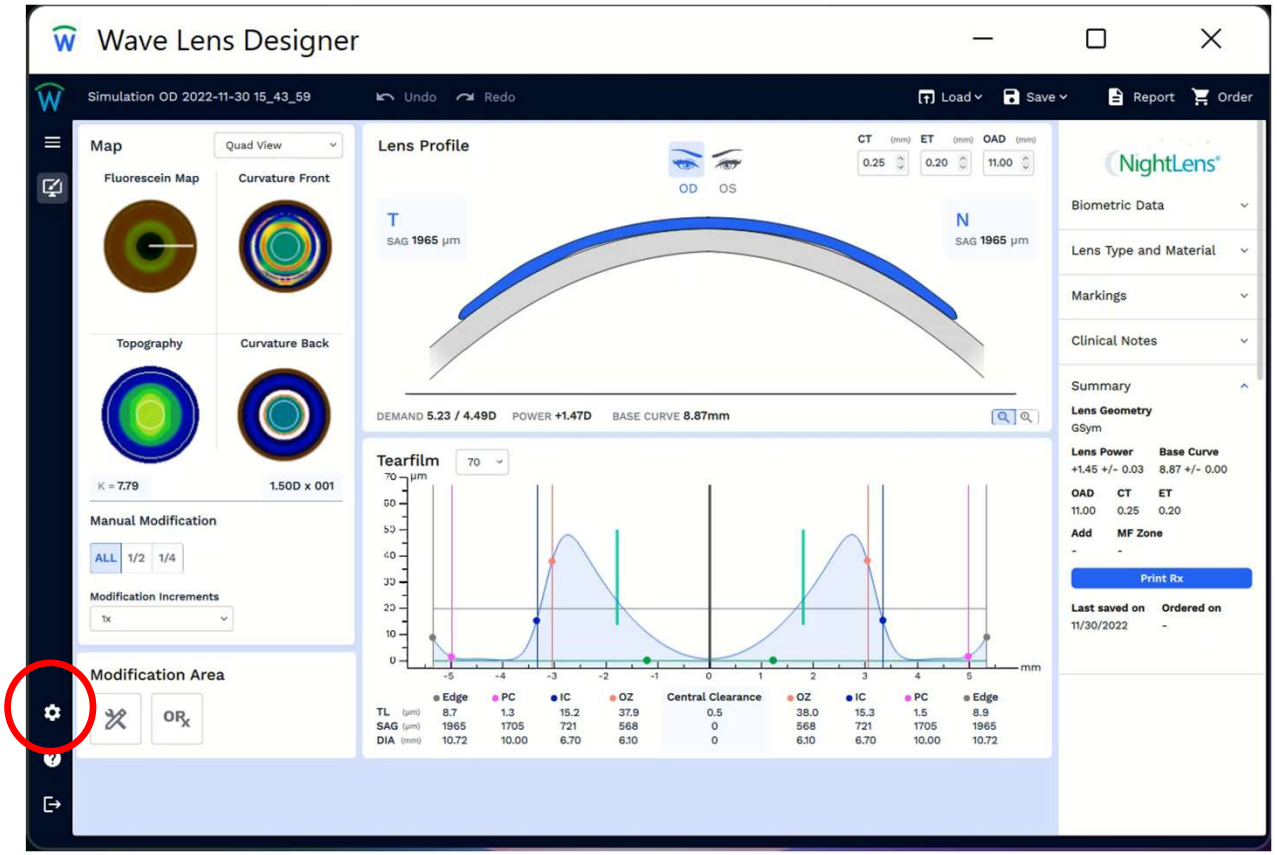
WAVE CONTACT LENS SYSTEM
Engineering Better Vision



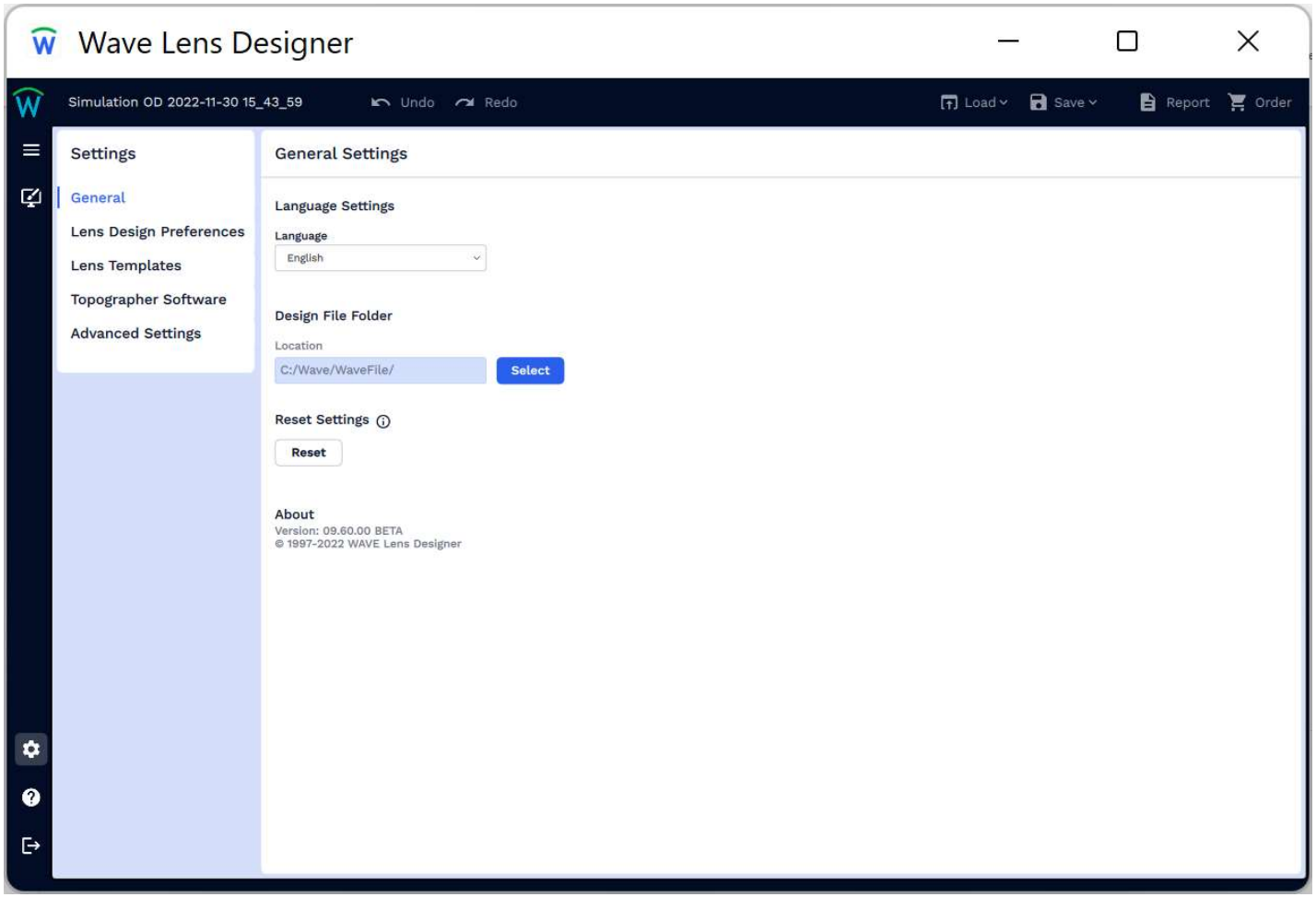
	Edge	PC	IC	OZ	Central Clearance	OZ	IC	PC	Edge
TL (µm)	16.3	6.3	11.3	29.0	0.0	29.0	11.3	6.3	16.3
SAG (µm)	1957	1700	747	597	0	597	747	1700	1957
DIA (mm)	10.72	10.00	6.80	6.20	0	6.20	6.80	10.00	10.72

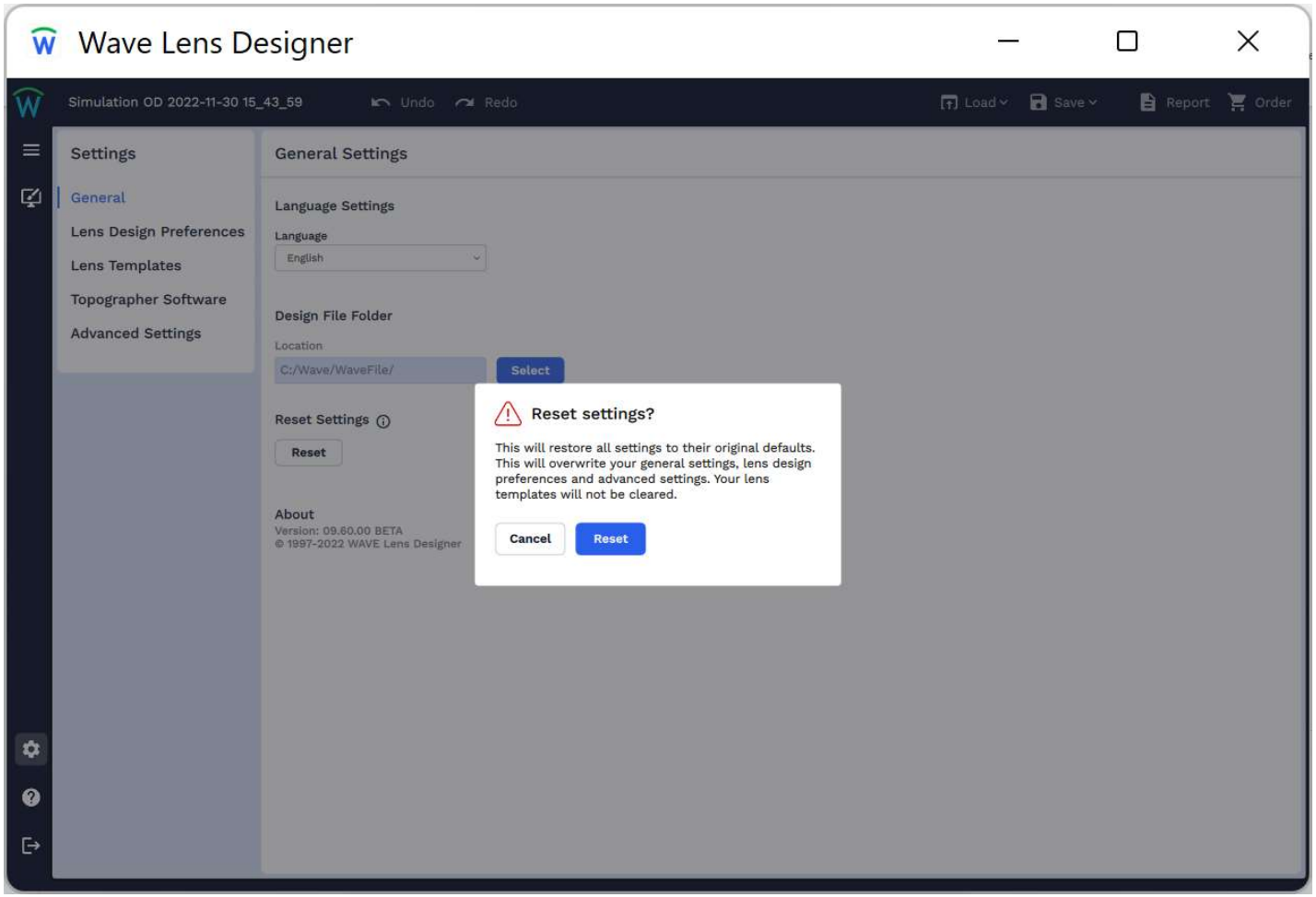
WAVE CONTACT LENS SYSTEM
Engineering Better Vision

Left Side Menu Bar

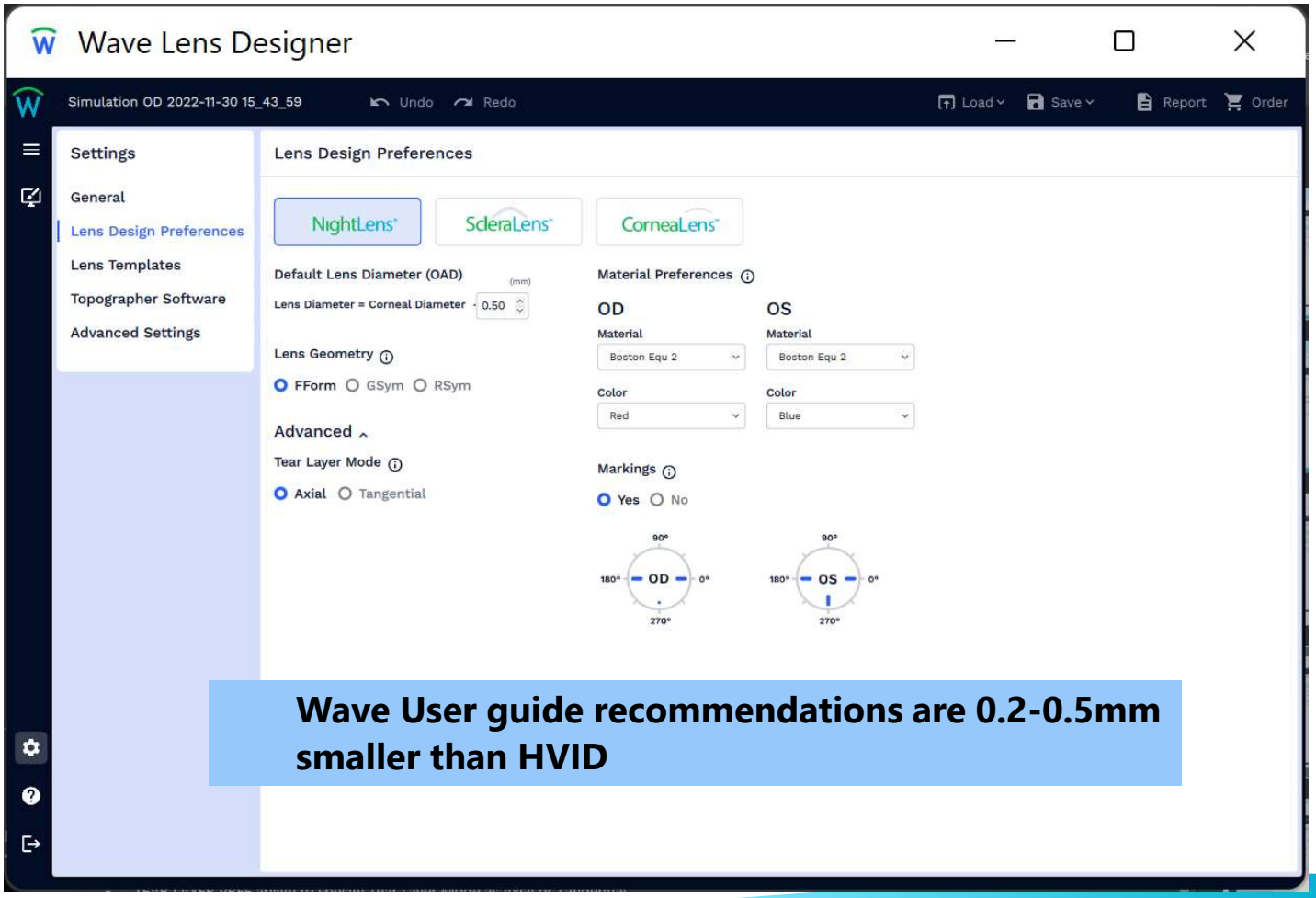


WAVE CONTACT LENS SYSTEM
Engineering Better Vision



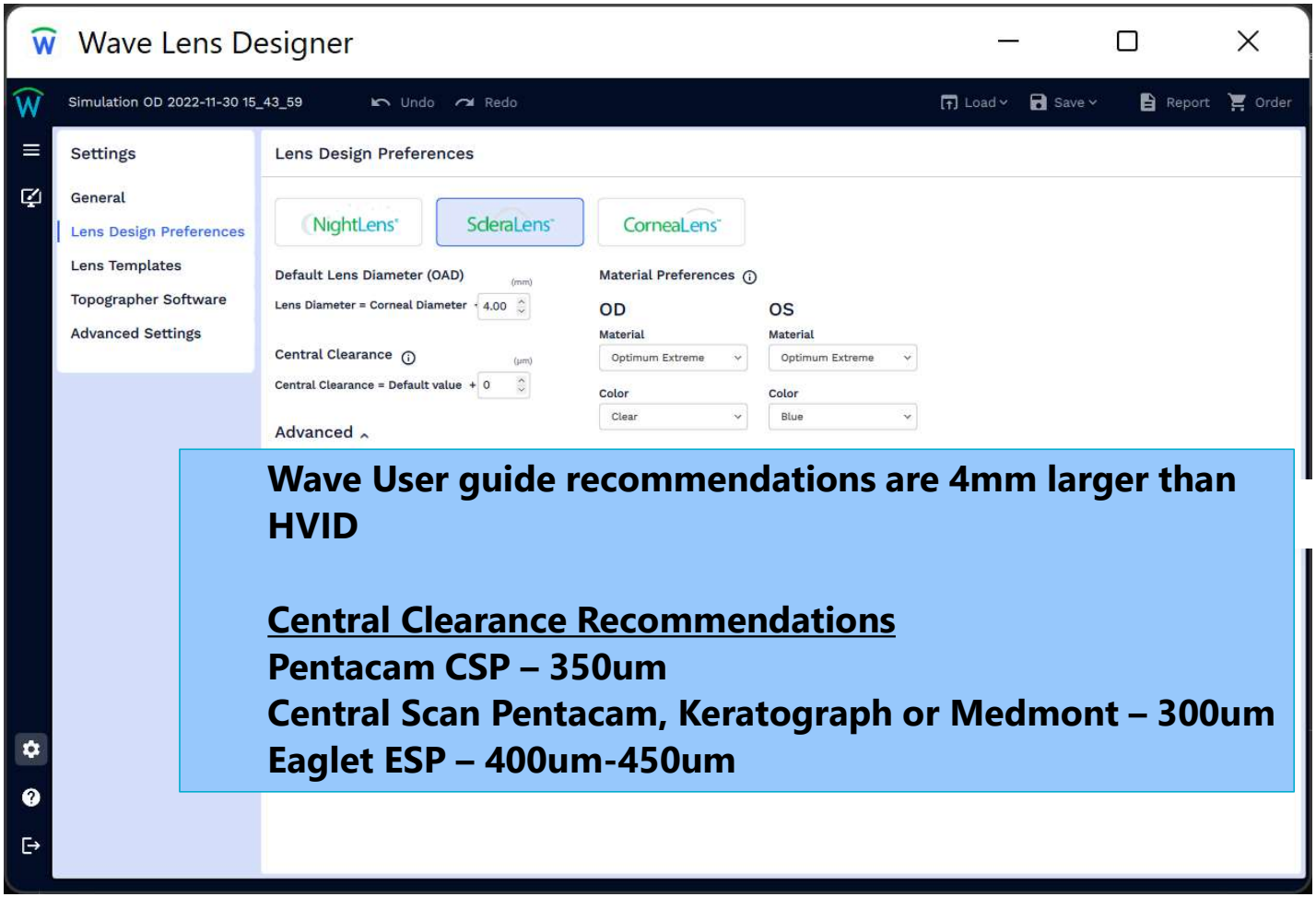

Wave Lens Designer
Simulation OD 2022-11-30 15_43_59
Undo
Redo
Load
Save
Report
Order
Settings
General
Lens Design Preferences
Lens Templates
Topographer Software
Advanced Settings
General Settings
Language Settings
Language
English
Design File Folder
Location
C:/Wave/WaveFile/
Select
Reset Settings
Reset
About
Version: 09.60.00 BETA
© 1997-2022 WAVE Lens Designer
Reset settings?
This will restore all settings to their original defaults. This will overwrite your general settings, lens design preferences and advanced settings. Your lens templates will not be cleared.
Cancel
Reset

WAVE CONTACT LENS SYSTEM
Engineering Better Vision



Wave User guide recommendations are 0.2-0.5mm smaller than HVID

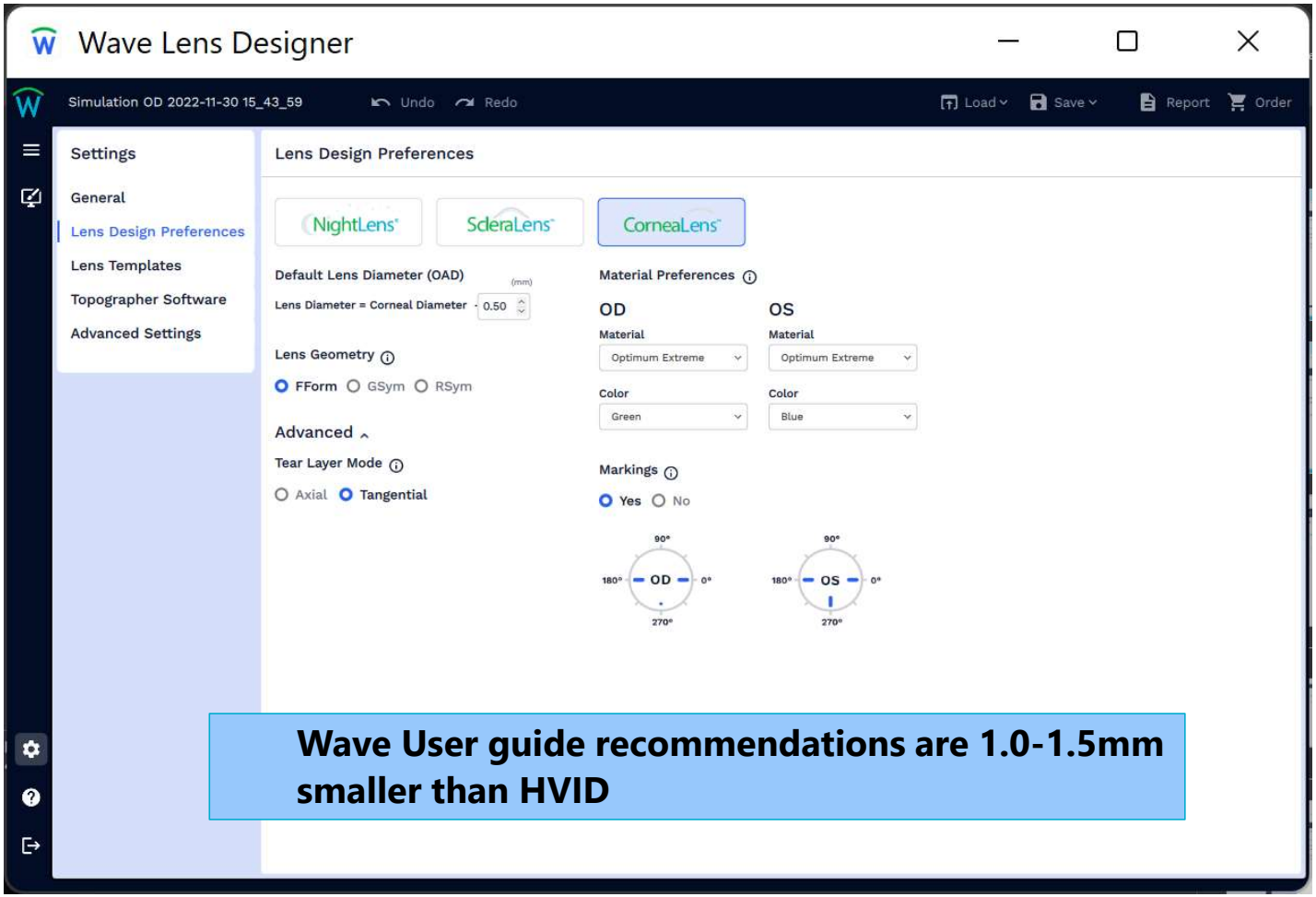
WAVE CONTACT LENS SYSTEM
Engineering Better Vision



Wave User guide recommendations are 4mm larger than HVID

<u>Central Clearance Recommendations</u>
Pentacam CSP – 350um
Central Scan Pentacam, Keratograph or Medmont – 300um
Eaglet ESP – 400um-450um

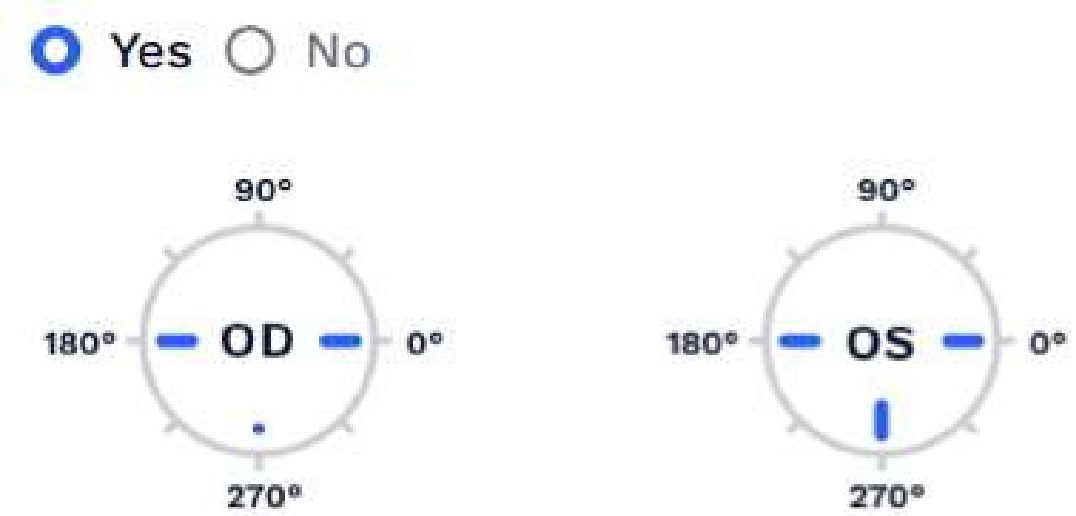
WAVE CONTACT LENS SYSTEM
Engineering Better Vision



Wave User guide recommendations are 1.0-1.5mm smaller than HVID

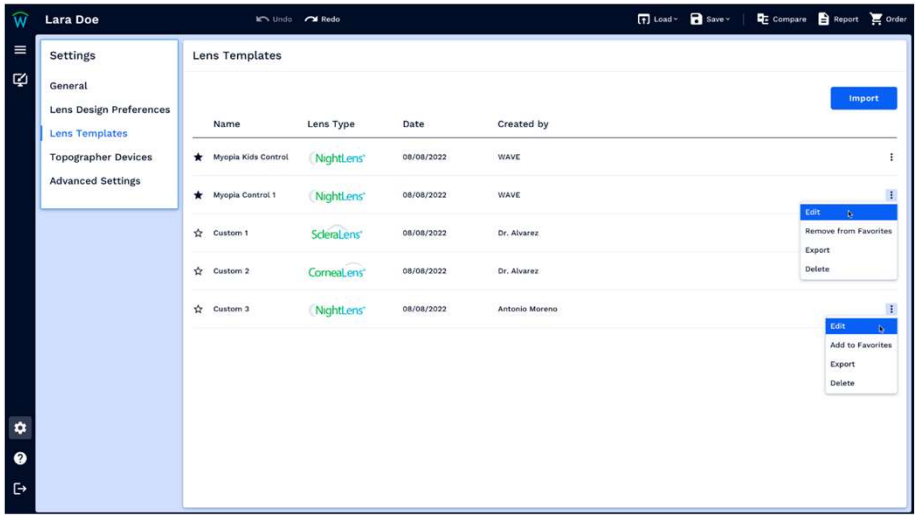
WAVE CONTACT LENS SYSTEM
Engineering Better Vision

Markings

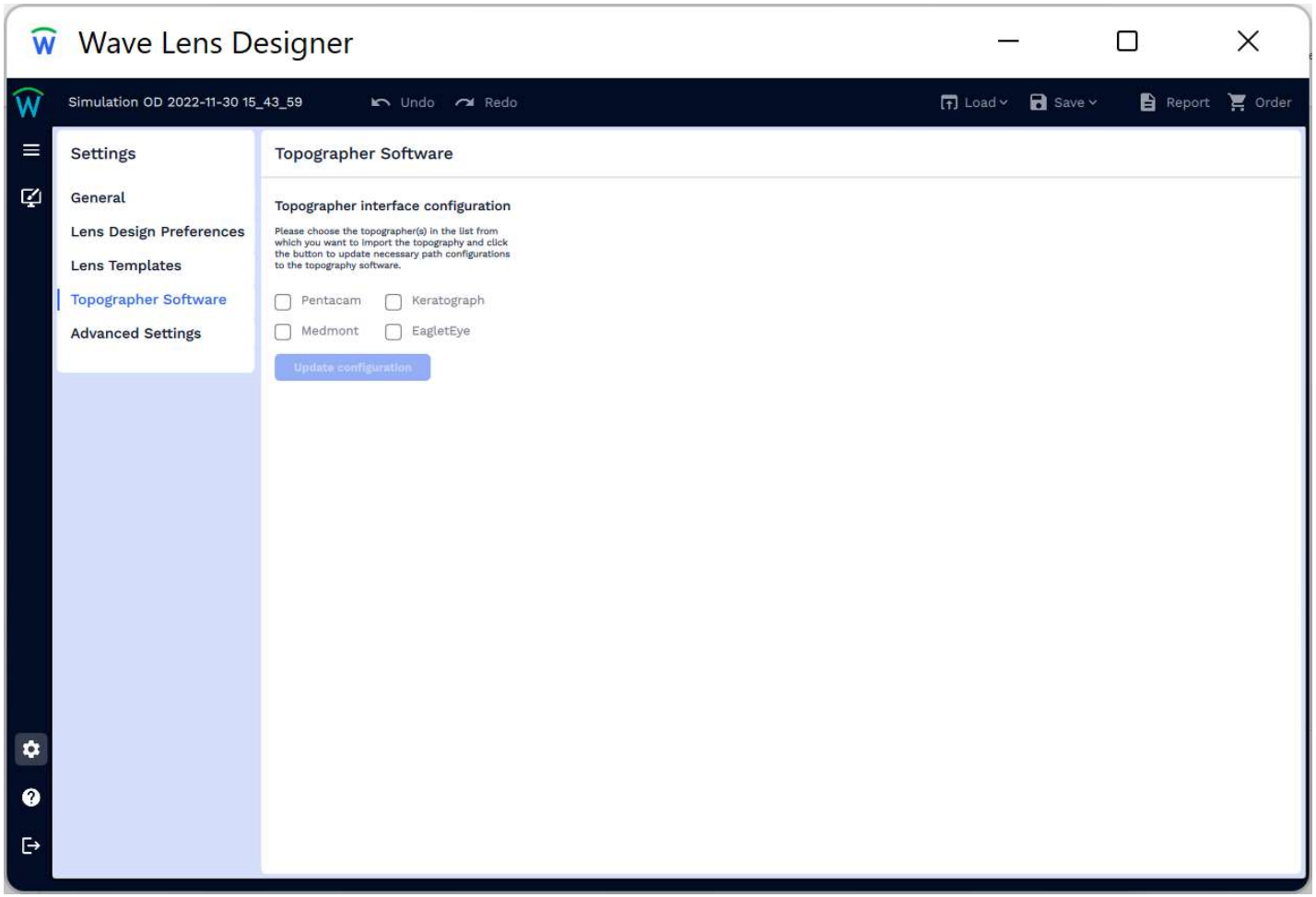


Left Menu – Lens Templates

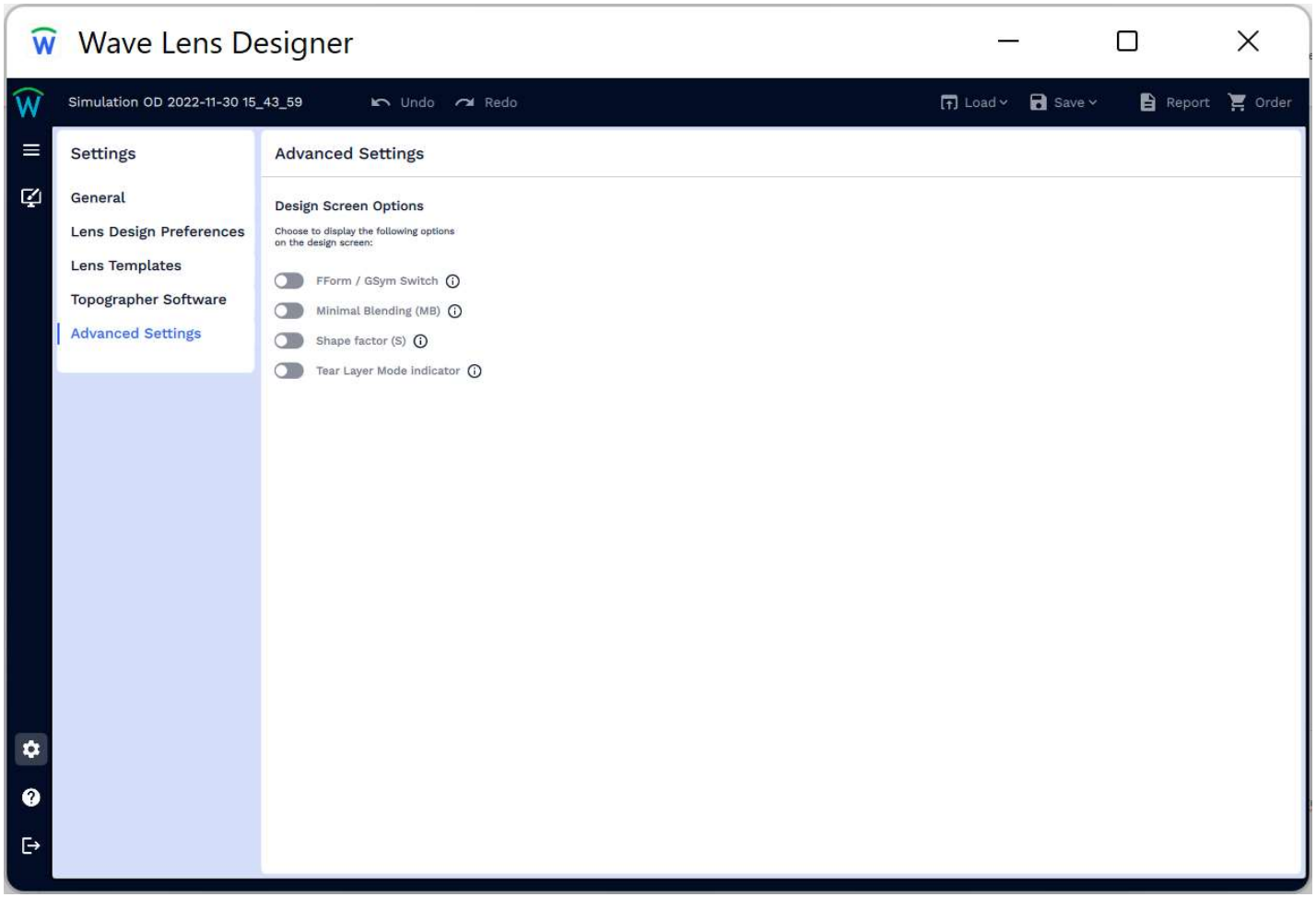
- **Lens Templates**

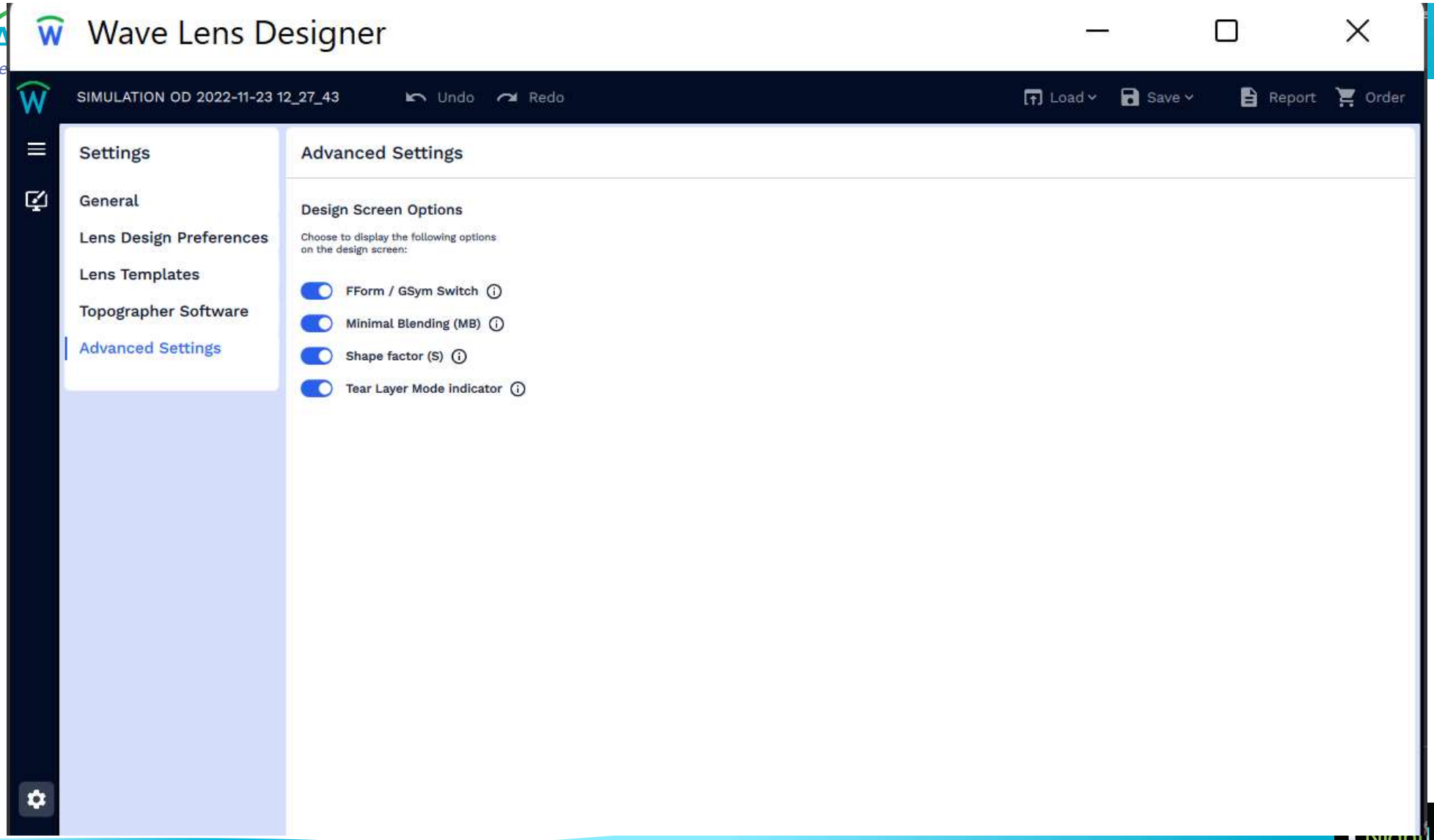


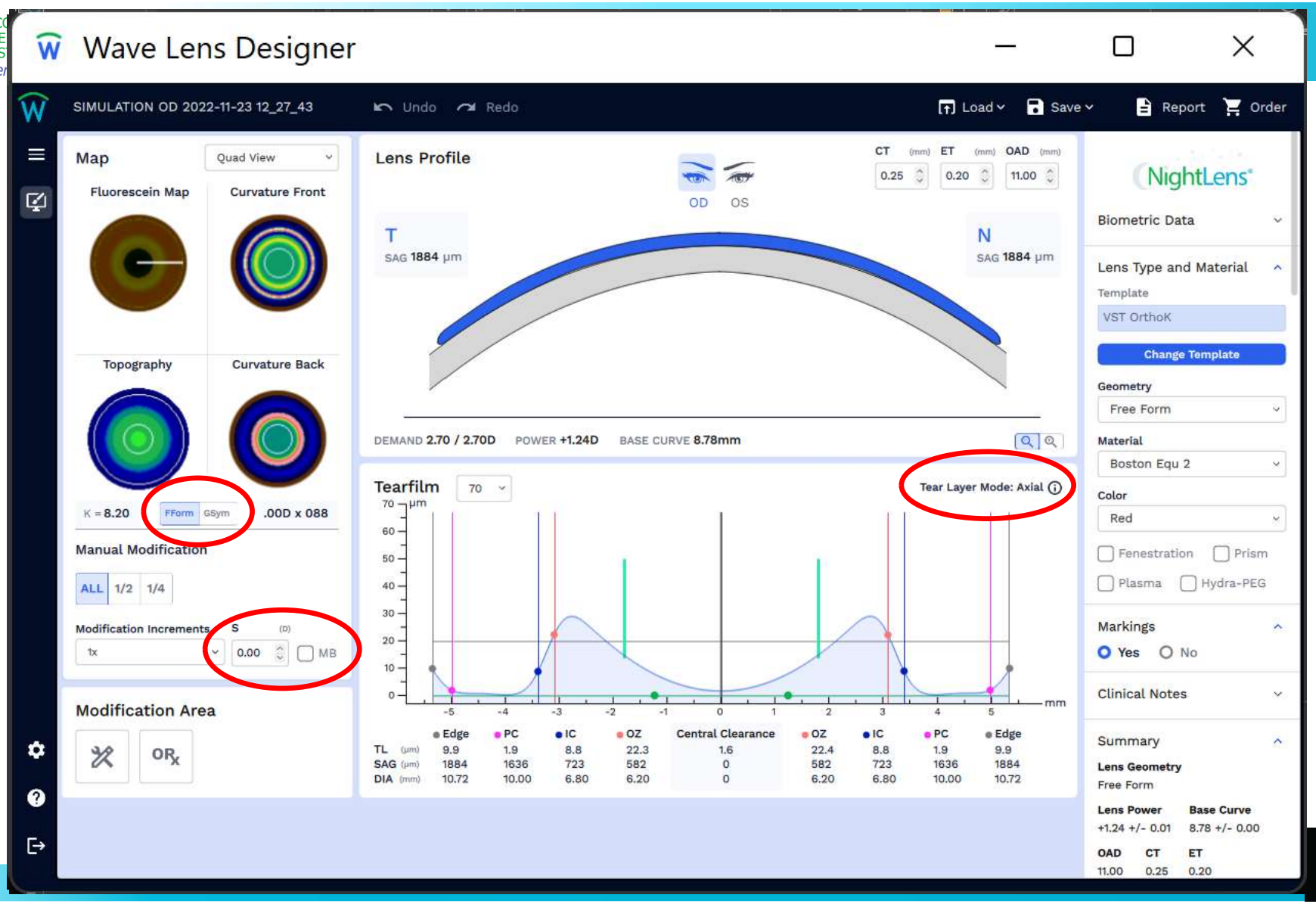
WAVE CONTACT LENS SYSTEM
Engineering Better Vision



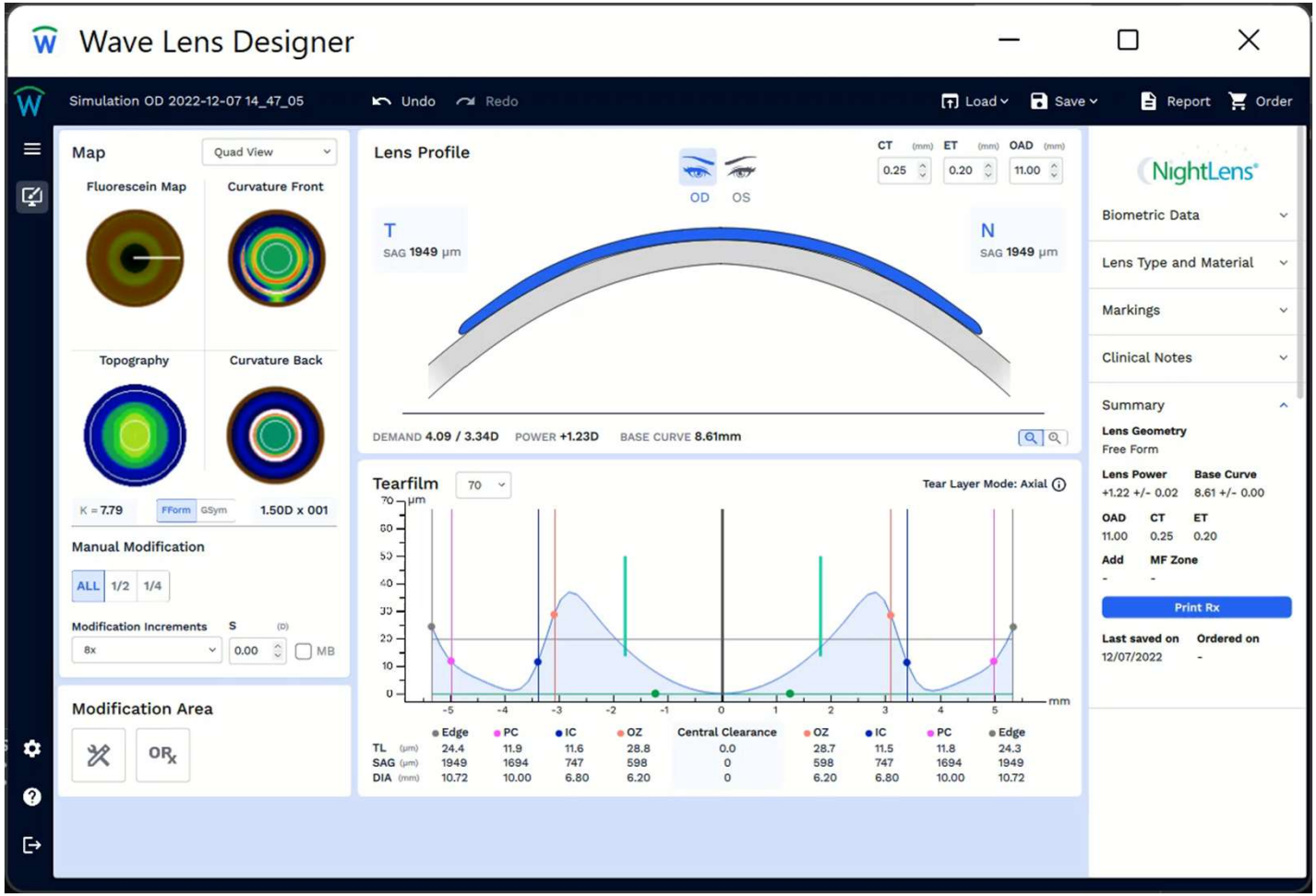
WAVE CONTACT LENS SYSTEM
Engineering Better Vision

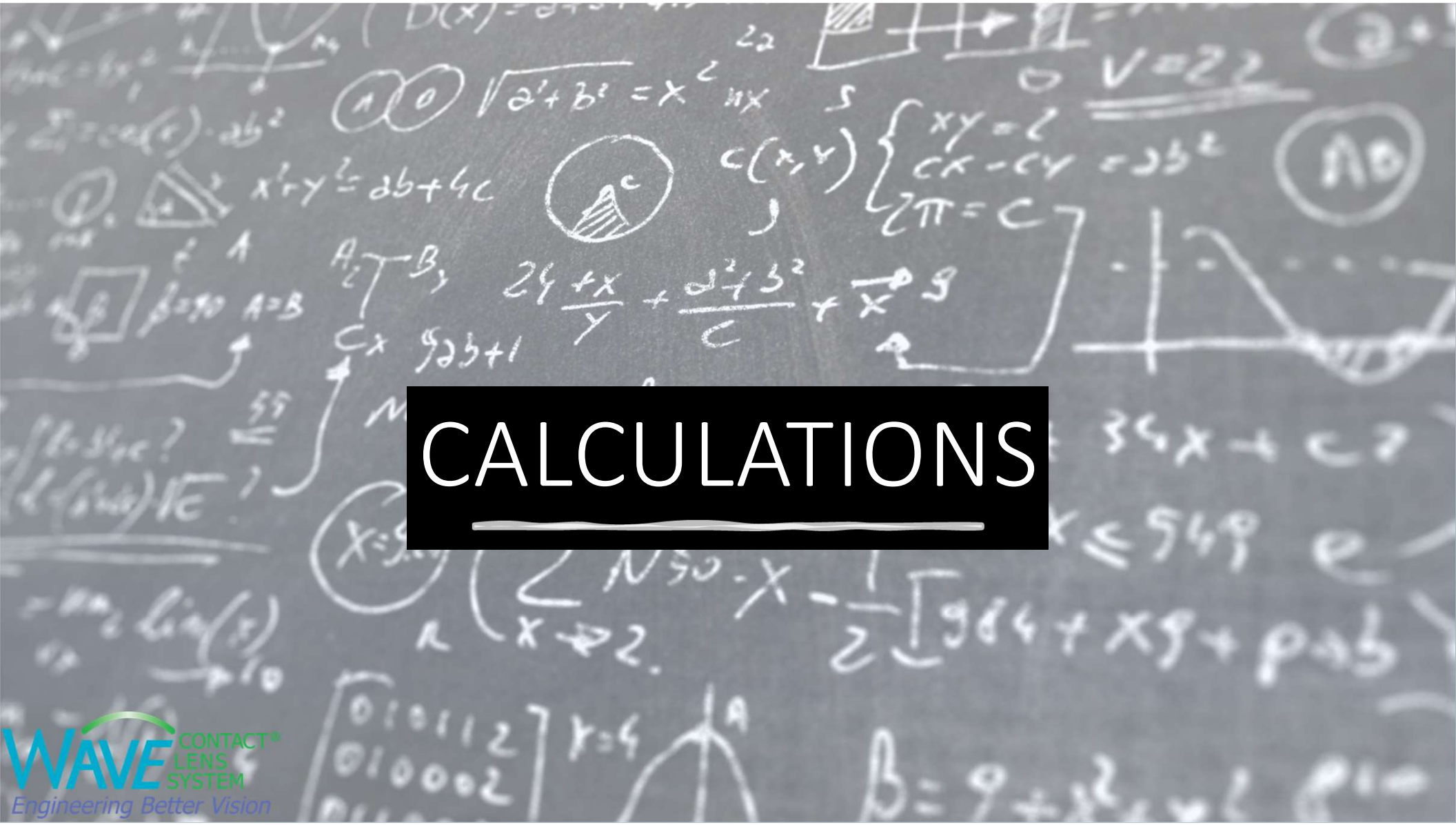



Wave Lens Designer
SIMULATION OD 2022-11-23 12_27_43
Undo
Redo
Load
Save
Report
Order
Settings
General
Lens Design Preferences
Lens Templates
Topographer Software
Advanced Settings
Advanced Settings
Design Screen Options
Choose to display the following options on the design screen:
FForm / GSym Switch
Minimal Blending (MB)
Shape factor (S)
Tear Layer Mode indicator


Wave Lens Designer
SIMULATION OD 2022-11-23 12_27_43
Undo
Redo
Load
Save
Report
Order
Map
Quad View
Fluorescein Map
Curvature Front
Topography
Curvature Back
K = 8.20
FForm
GSym
.00D x 088
Manual Modification
ALL
1/2
1/4
Modification Increments
S (D)
1x
0.00
MB
Modification Area
Lens Profile
OD
OS
CT (mm)
ET (mm)
OAD (mm)
0.25
0.20
11.00
T
SAG 1884 µm
N
SAG 1884 µm
DEMAND 2.70 / 2.70D
POWER +1.24D
BASE CURVE 8.78mm
Tearfilm
70
Tear Layer Mode: Axial
µm
mm
Edge
PC
IC
OZ
Central Clearance
TL (µm) 9.9 1.9 8.8 22.3 1.6 22.4 8.8 1.9 9.9
SAG (µm) 1884 1636 723 582 0 582 723 1636 1884
DIA (mm) 10.72 10.00 6.80 6.20 0 6.20 6.80 10.00 10.72
NightLens
Biometric Data
Lens Type and Material
Template
VST OrthoK
Change Template
Geometry
Free Form
Material
Boston Equ 2
Color
Red
Fenestration
Prism
Plasma
Hydra-PEG
Markings
Yes
No
Clinical Notes
Summary
Lens Geometry
Free Form
Lens Power
+1.24 +/- 0.01
Base Curve
8.78 +/- 0.00
OAD
11.00
CT
0.25
ET
0.20

WAVE CONTACT LENS SYSTEM
Engineering Better Vision





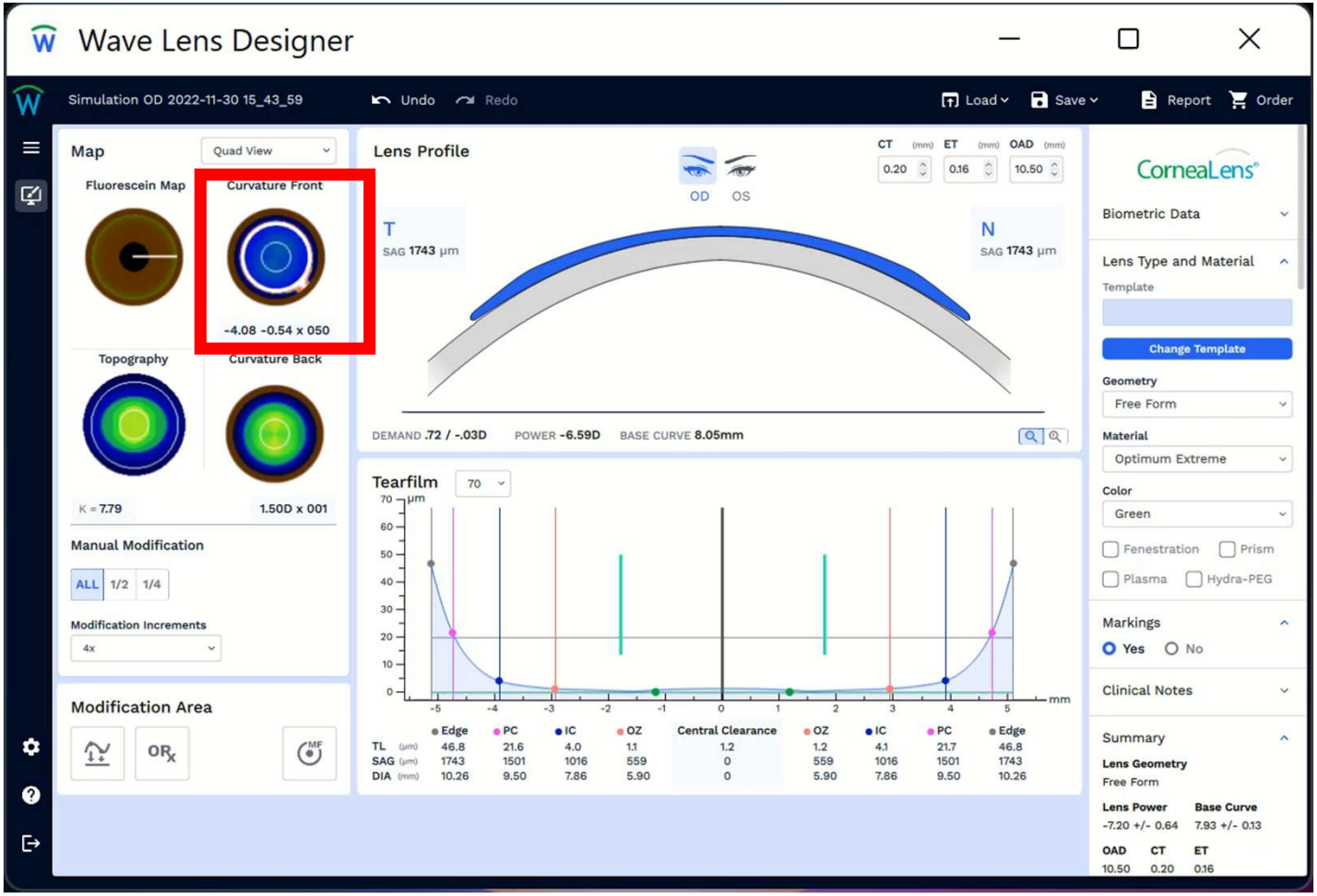
WAVE CONTACT® LENS SYSTEM
Engineering Better Vision

WAVE CONTACT LENS SYSTEM
Engineering Better Vision

Improved Internal Calculation's

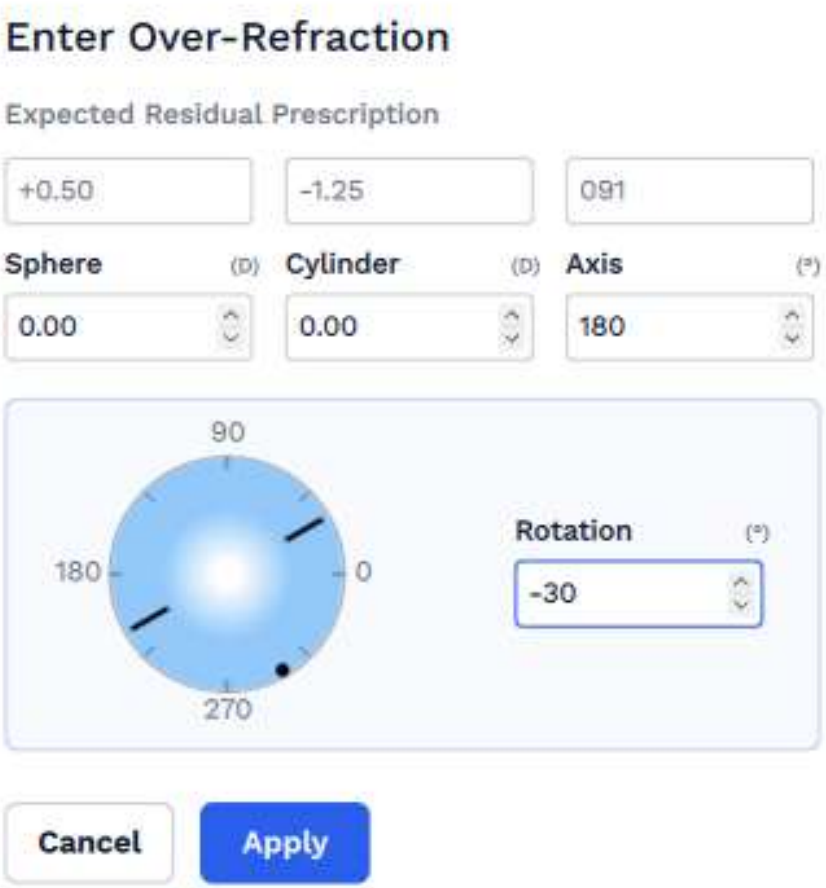
- Improved calculations between the Pentacam and Eaglet ESP.
- No need to redesign current patients, however new fits will have improved data and higher chance of first lens fit success with good quality scans

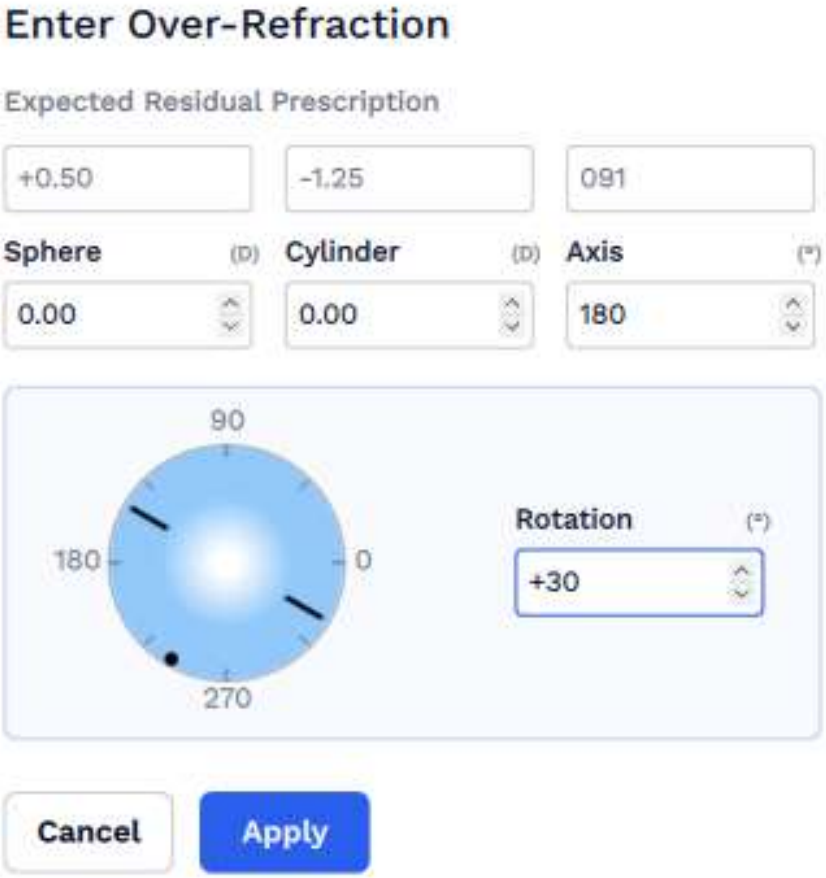
WAVE CONTACT LENS SYSTEM
Engineering Better Vision



NightLens®
Correct Your Vision While You Sleep

WAVE CONTACT LENS SYSTEM
Engineering Better Vision





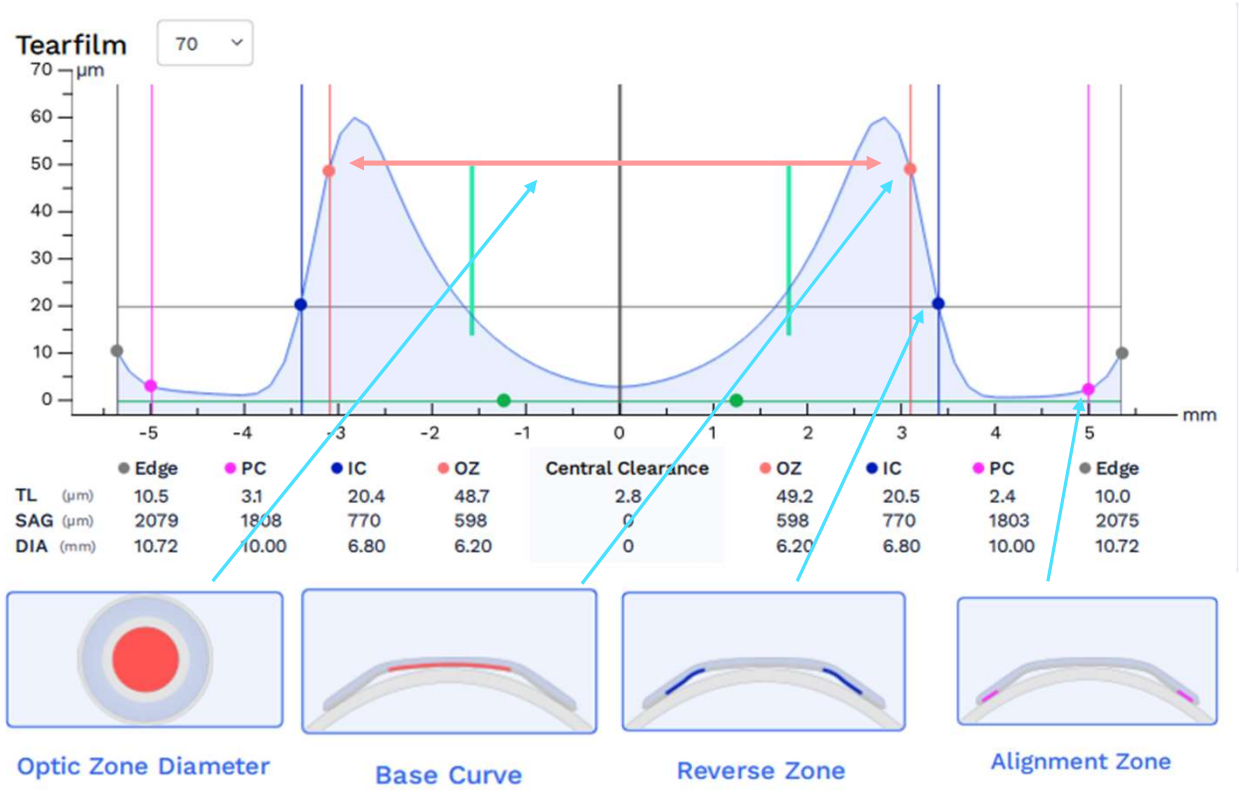
Modification Tools

WAVE CONTACT® LENS SYSTEM
Engineering Better Vision

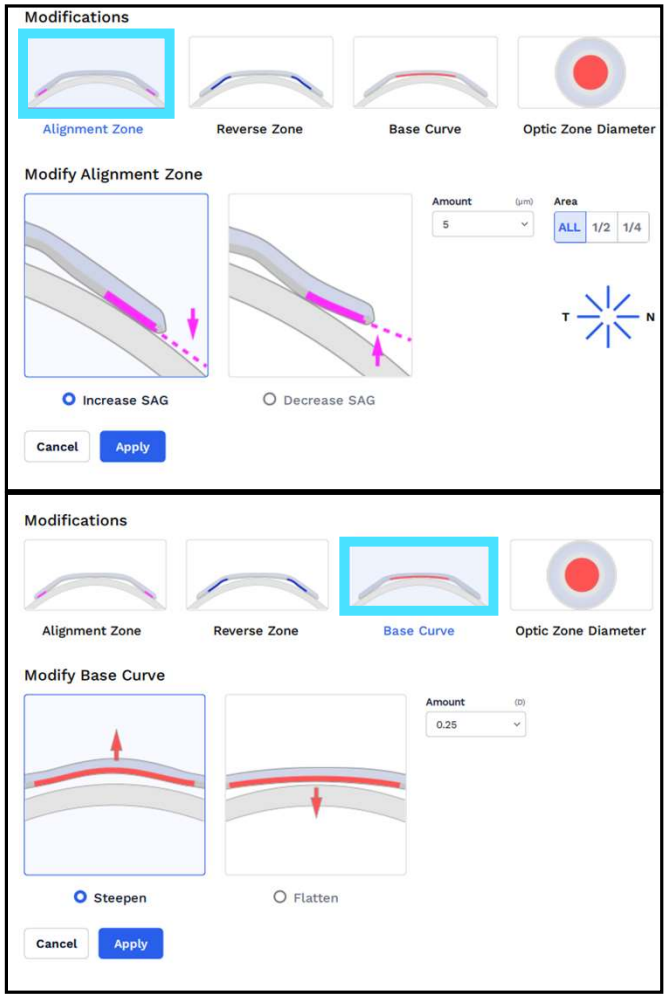
WAVE CONTACT LENS SYSTEM
Engineering Better Vision

What can I adjust?

Where can I see and make changes?



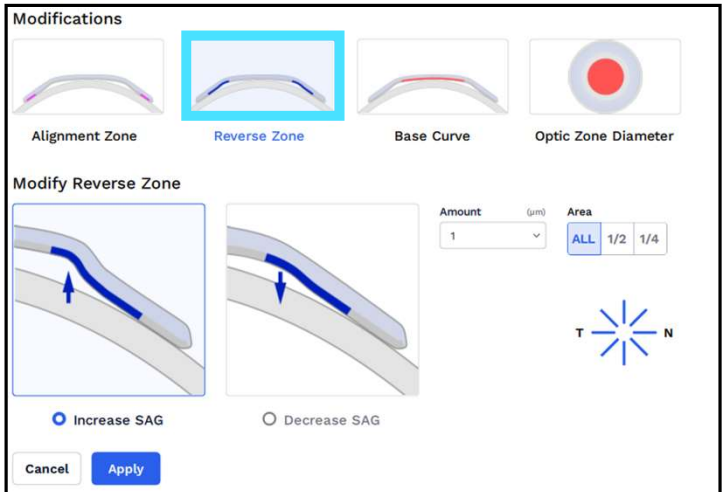
Modification Tools

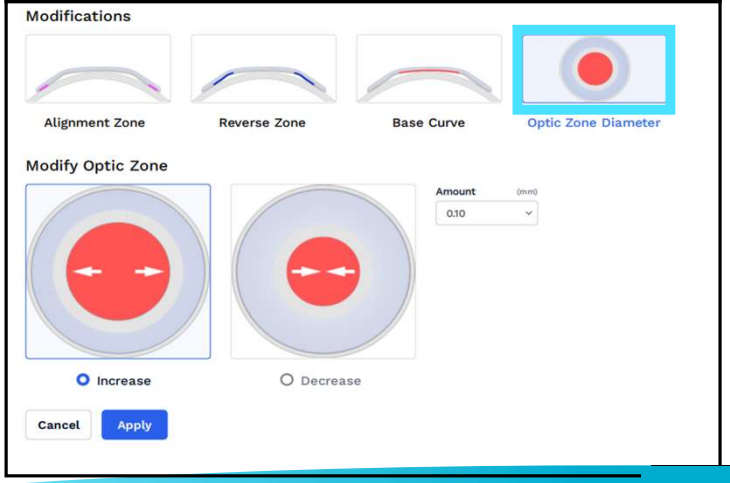


Can modify lens in ALL, 1/2, 1/4 Meridians. In Alignment Zone and Reverse Zone this is an increase/decrease in Microns

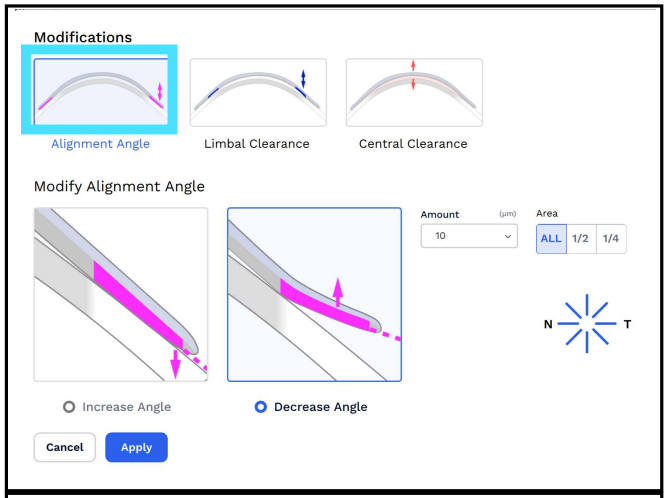
For Base Curve you can Flatten/Steepen in Diopters

For the Optic Zone you are changing in mm.

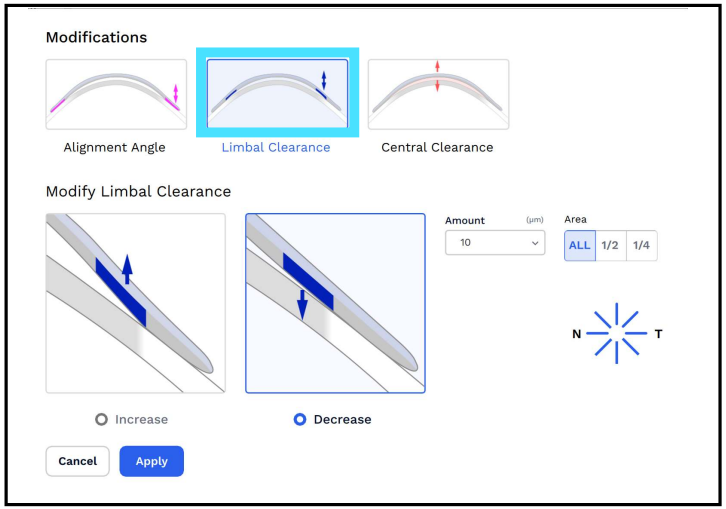


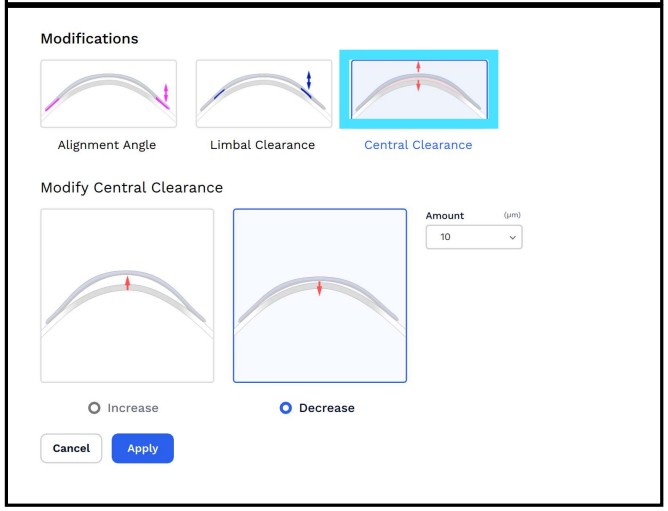


Modification Tools



Can modify lens in ALL, 1/2, 1/4 Meridians. In Alignment Angle and Limbal Clearance this is an increase/decrease in Microns



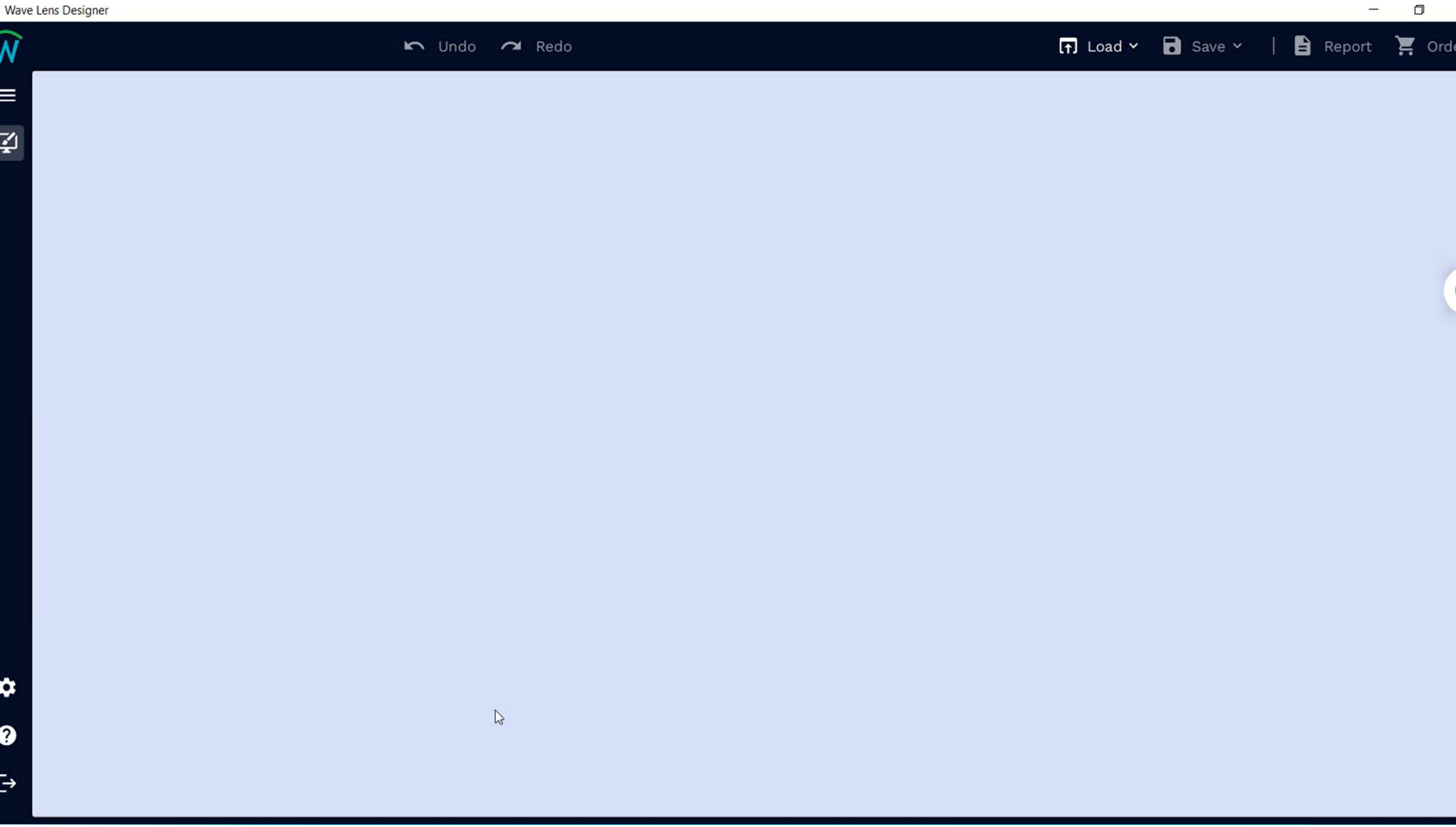


For Central Clearance you can increase or decrease in Microns

WAVE CONTACT LENS SYSTEM®
Engineering Better Vision

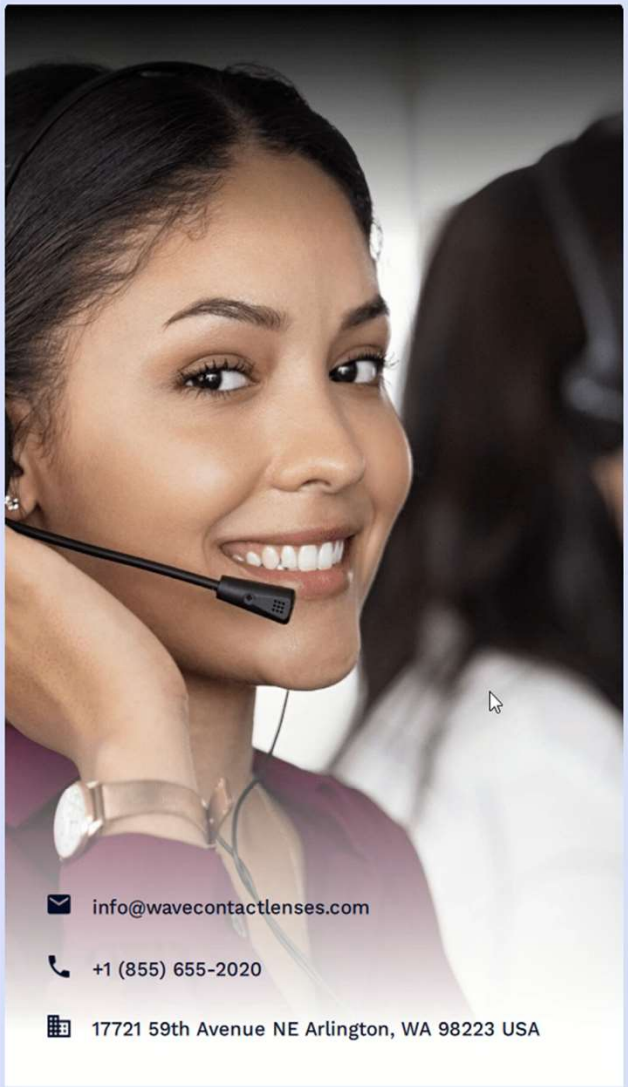
Ordering

WAVE CONTACT® LENS SYSTEM
Engineering Better Vision


Wave Lens Designer
Undo
Redo
Load
Save
Report

Wave Lens Designer

Undo Redo Load Save Report Order



Order Tracking

Internet Order Status System

Check IOSS

WAVE Academy

Free Courses for WAVE designers

Learn

User Guide

Download the Software Manual

Download

Technical Support

Schedule an online session

Calendar Booking

Clinical Support

Submit a case for consultation

Consult

Contact

Get in touch with us

Contact Form

Contact Us

Email us at:
info@wavecontactlenses.com

Or

Come say hi at our Booth

WAVE CONTACT® LENS SYSTEM
Engineering Better Vision