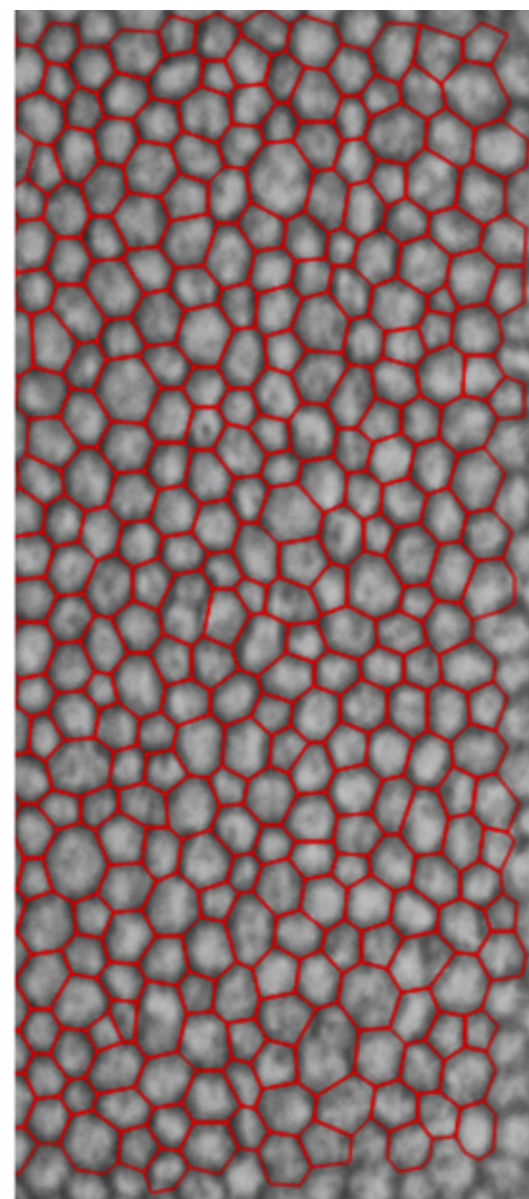
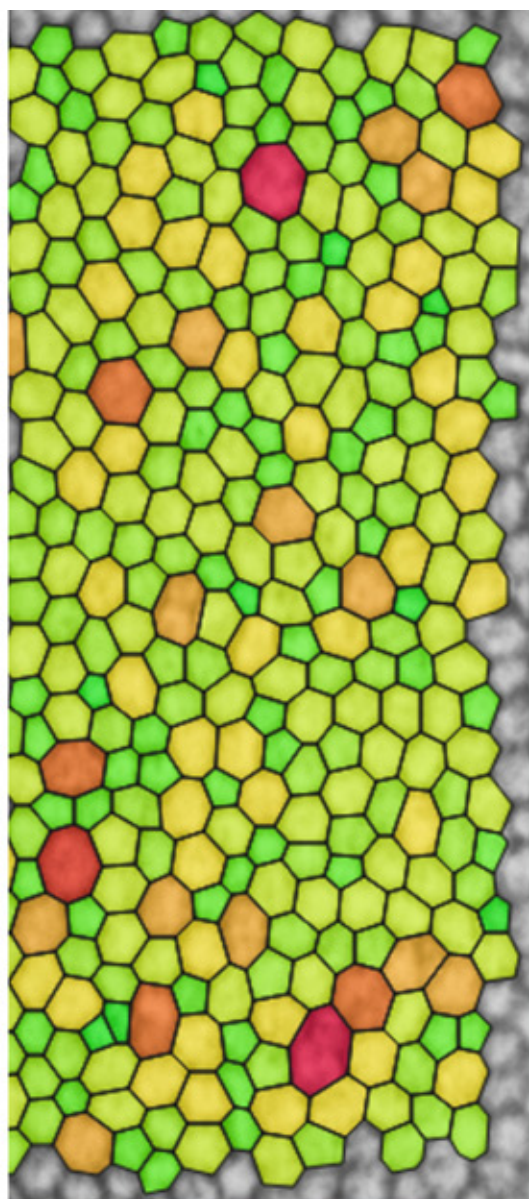
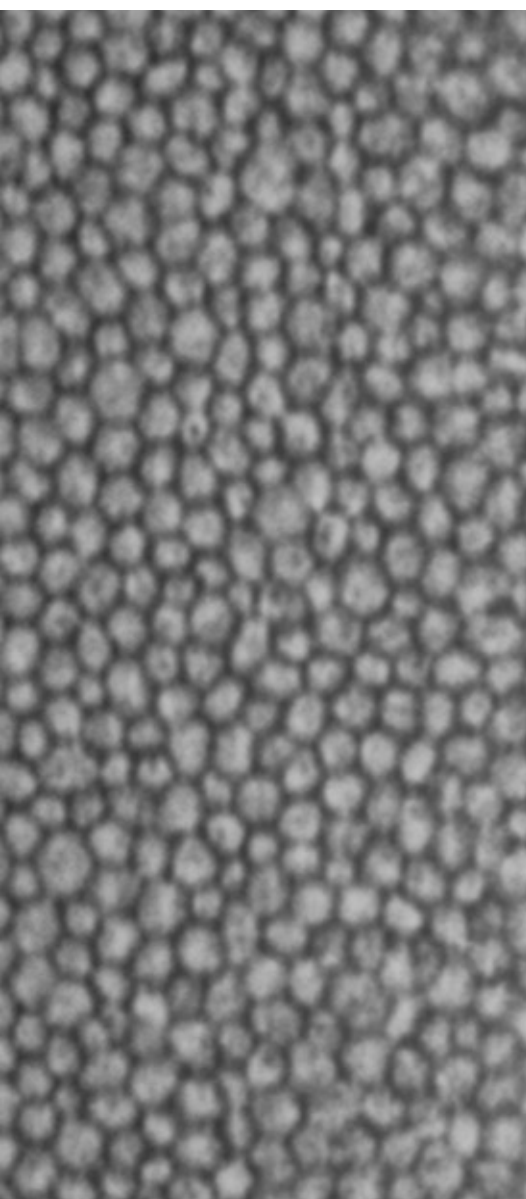




CSM SW-7000
CORNEAL SPECULAR MICROSCOPE



CORNEAL SPECULAR MICROSCOPE

Fully automatic Fast measurement and analysis

Fully automatic working mode:
Automatic pupil detection, automatic alignment,
automatic shooting, automatic analysis.
Concise user interface,
one-click operation experience.

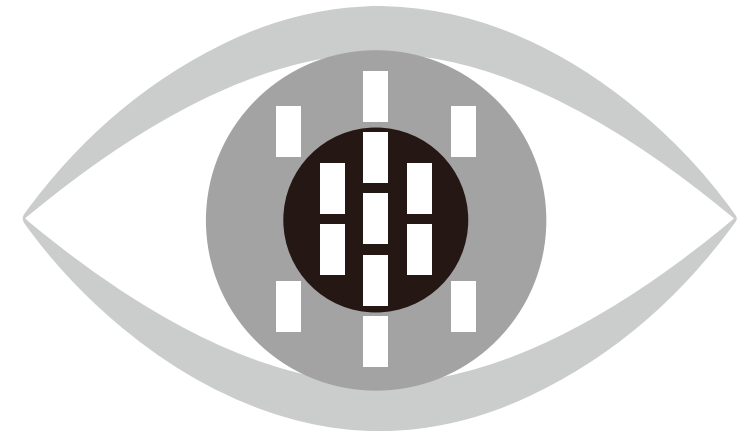
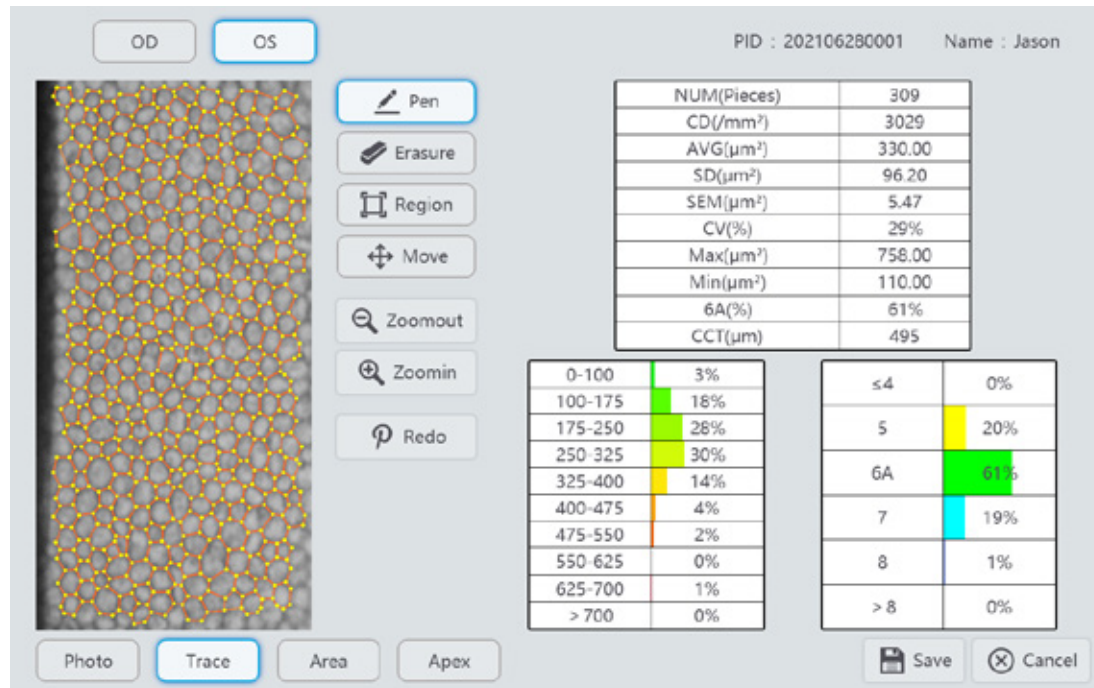




Wide field of view & multiple measuring points

0.25mm x 0.55mm wide field endothelial cell imaging.

There are as many as 13 measuring points, including: central measuring point, 6 paraxial measuring points and 6 edge measuring points.

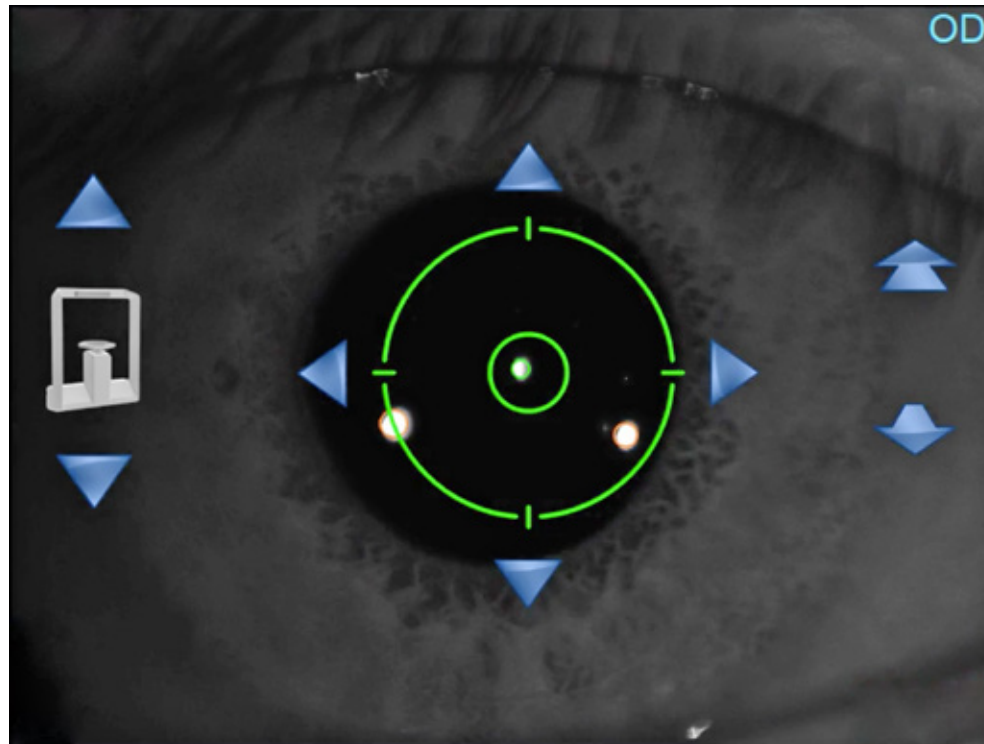




Precise focusing and high-speed imaging system

High-precision infrared focus module, the focal plane is precisely aligned with the inner surface of the cornea
The 125-frame high-speed imaging system can continuously shoot multiple images and automatically filter the best images.

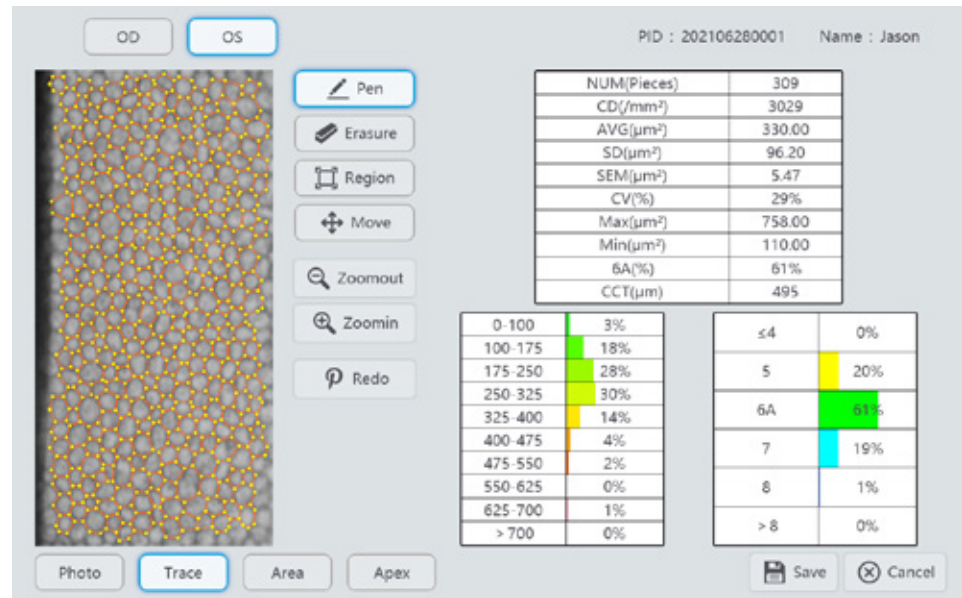
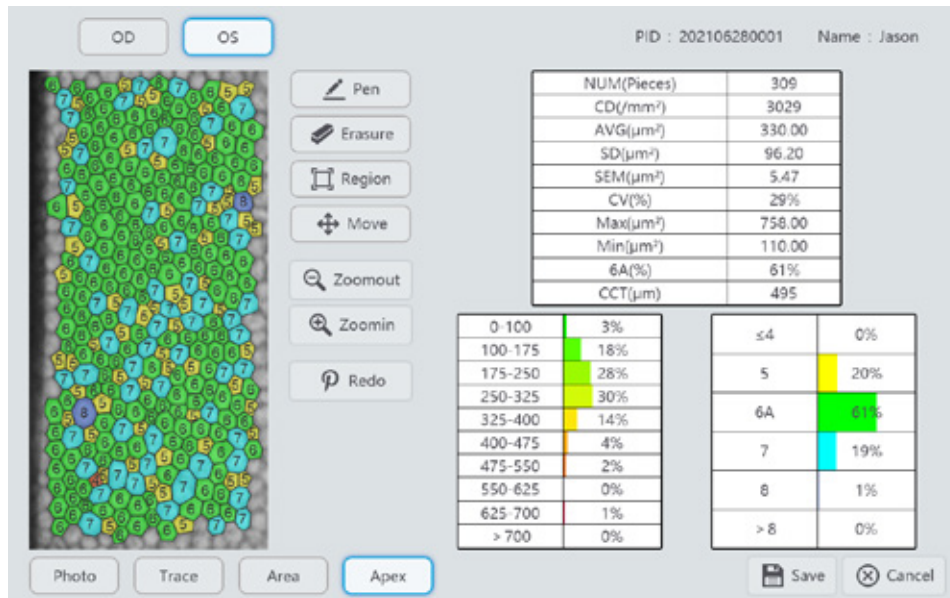
The flash time is reduced to less than 1 second, which improves patient comfort.





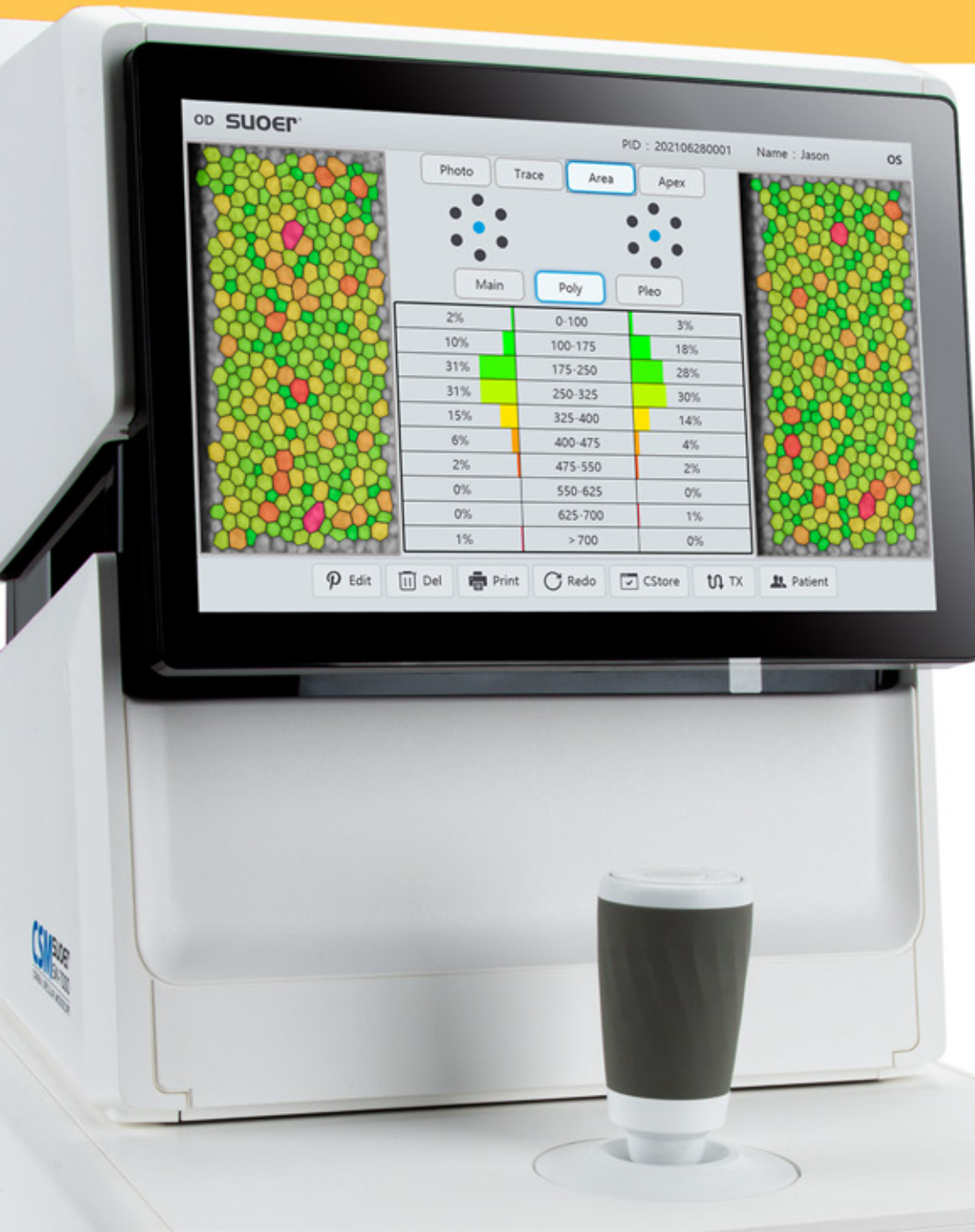
Rapid automatic analysis function

After shooting, the system will automatically complete image analysis within 2 seconds and provide all measurement parameters.



CSM SW-7000
CORNEAL SPECULAR MICROSCOPE

(手动/全自动)
皮细胞计



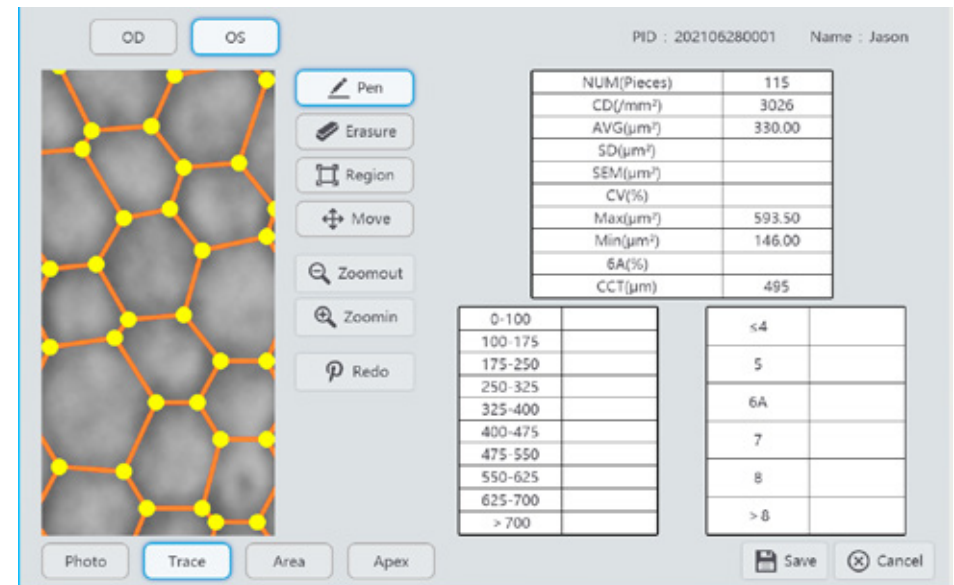
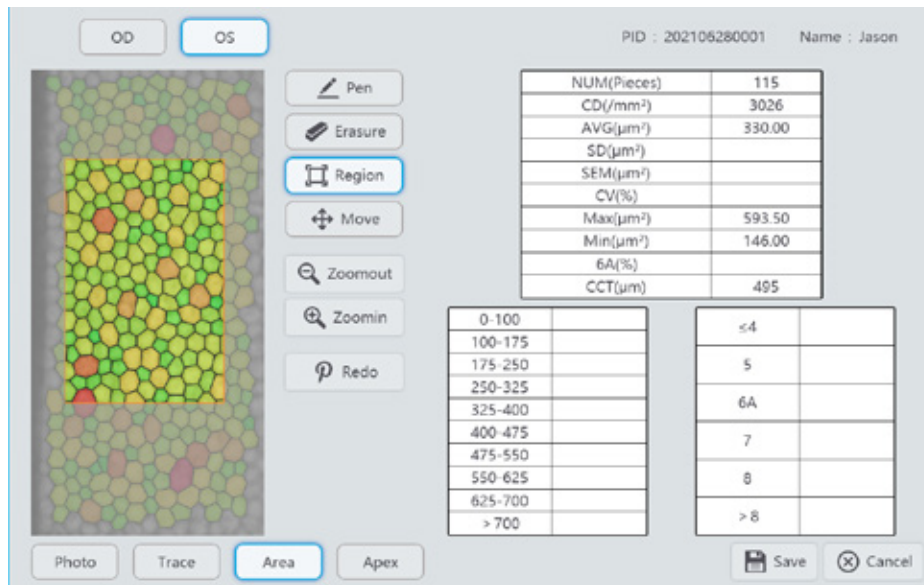
Friendly user interface and simple operation

10.4 inch high resolution LCD touchscreen.
Retain traditional joystick to suit a variety of operators.



Manual analysis function

The analysis area can be selected independently, and the system will recalculate the main parameters according to the selected area.





Central corneal thickness measurement

The thickness of the central cornea is measured at the same time the image is taken.
(It will be done automatically when the center measurement point is selected)

Support multiple data transmission protocols

Support DICOM3.0

DICOM

SOCKET

FILE

HTTP



Large-capacity database

Built-in high-performance main frame.

Up to 1TB storage capacity.

Multi functional case management system allows convenient and efficient operation of medical records.

SUOER[®] Ophthalmology Workstation Account: Admin Switch Settings Shutdown

+ New Edit Delete Please enter search criteria All

	PID	Name	Gender	Birthdate	DICOM id	Phone	Department
☒	20201207000009	Mr Clive o'mally	Male	1953/03/28	PAT023		
☐	20201207000008	Mrs Janet Edwards	Famale	1964/07/14	PAT022		
☐	20201207000007	Mr John Rees	Male	1962/06/10	PAT021		
☐	20201207000006	Mrs Wendy Clarke	Famale	1958/04/21	PAT020		
☐	20201207000005	Mr Burt Ward	Male	1941/10/14	PAT019		
☐	20201207000004	Mr Samual Davies	Male	1980/04/11	PAT018		
☐	20201207000003	Miss Liz Evans	Famale	1971/07/19	PAT017		
☐	20201207000002	Mrs Lucy Wood	Famale	1949/01/27	PAT016		
☐	20201207000001	Mr John Brooks	Male	1957/06/18	PAT015		

< 1 2 3 >

Worklist Add Exam Browse

Report printing

Support multiple printer types

SW-7000

SUOER



PID

:20201201000001

Name

:Dr William Bowen

Gender

:Male

Exam date

:2020-12-01

	OD	OS
Fix	C	C
NUM	180	179
CD	2400	2266
AVG	417.00	441.00
SD	133.6	152.4
SEM	9.96	11.39
CV	32%	35%
MAX	996.50	1113.50
MIN	72.5	113.50
6A	55%	59%
CCT	616	591

Tianjin Hospital

Specular Microscope Report

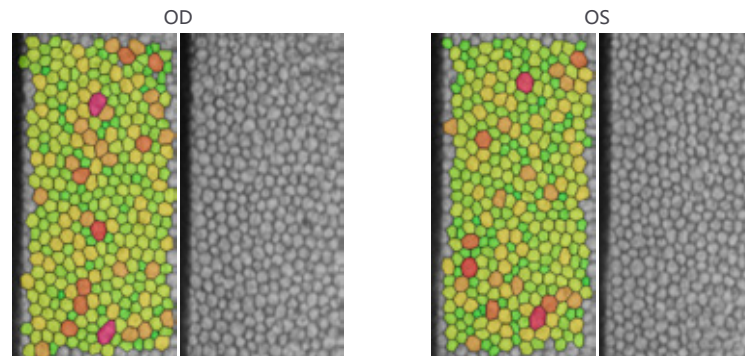
PID: 202106280001

Name: Jason

Gender: Male

Birthdate: 1981/6/24

Phone:



305	NUM(Pieces)	309
2877	CD(/mm²)	3029
348.00	AVG(μm²)	330.00
98.40	SD(μm²)	96.20
5.63	SEM(μm²)	5.47
28%	CV(%)	29%
795.50	Max(μm²)	758.00
127.50	Min(μm²)	110.00
68%	6A(%)	61%
516	CCT(μm)	495

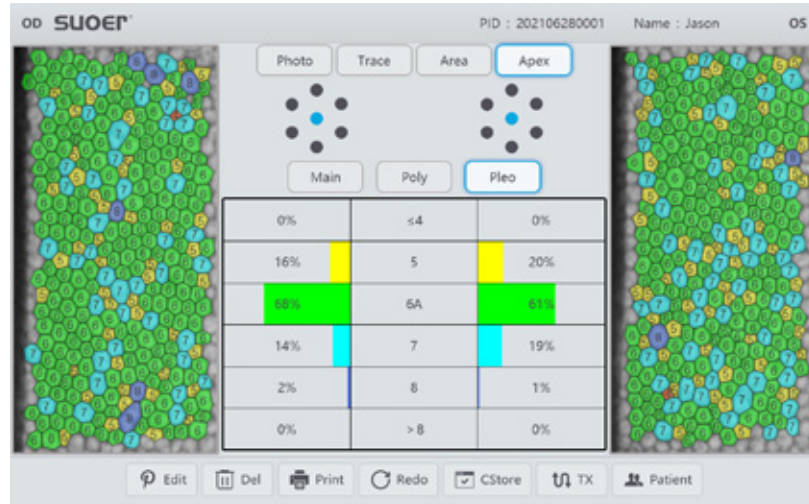
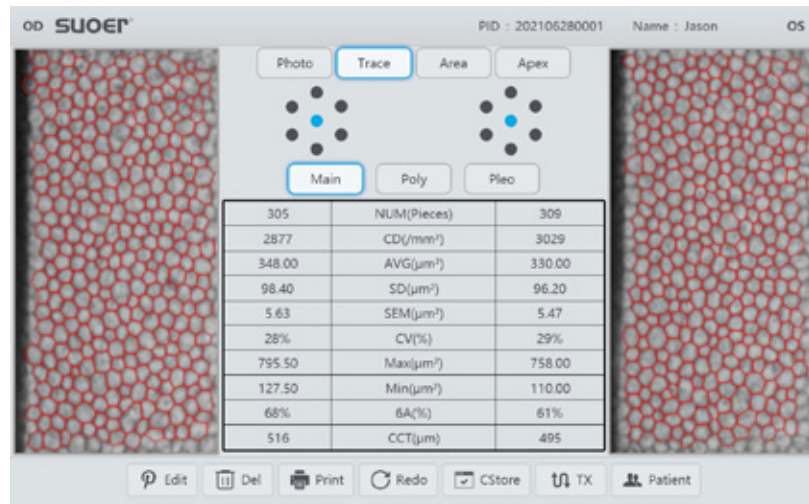
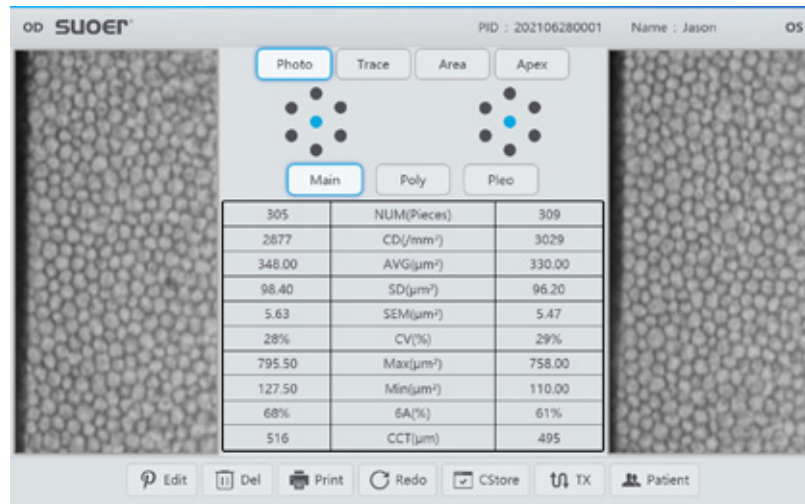
2%	0-100	3%
10%	100-175	18%
31%	175-250	28%
31%	250-325	30%
15%	325-400	14%
6%	400-475	4%
2%	475-550	2%
0%	550-625	0%
0%	625-700	1%
1%	> 700	0%

0%	≤4	0%
16%	5	20%
68%	6A	61%
14%	7	19%
2%	8	1%
0%	> 8	0%

The report is for clinical reference only

Report date: 2021/6/25

4 display modes & 2 statistical graphs



Specification

Capturing method: non-contact
Capturing range: 0.25mm x 0.55mm
Capturing area: Center and 12 peripheral fixation points
Working mode: Full-auto/Semi-auto
Cornea thickness measurement range: 400 μ m ~ 750 μ m
Cornea thickness measurement accuracy: $\pm 10\mu$ m (< 600 μ m) ; $\pm 25\mu$ m (> 600 μ m)
Analysis parameter: NUM (Number of cells) CD (Cell density) AVG (Average area) SD (Standard deviation of area) CV (Coefficient of Variation) MAX (Maximum area) MIN (Minimum area) 6A (Percentage of hexagonal cells)
Histogram: Area: Polymegathism (Distribution by areas) Apex: Plemorphism (Distribution by shapes)
Display: 10.4" colored touchscreen (1080P)
Printing: Able to connect to most regular printing devices
Data output: USB x 2; LAN x 1; support DICOM 3.0
Dimensions and weight: 315 x 535 x 465mm; approx. 23Kg
Power source: 100V AC ~ 240V AC; 50/60Hz; 100VA



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