

Max Vision™

Diffraction Soft-Multifocal + EDOF

*with Continuous Vision,
Enjoy The Beauty of The World!*

OPHTHALMO

Pro



GmbH

Products for ophthalmic surgery



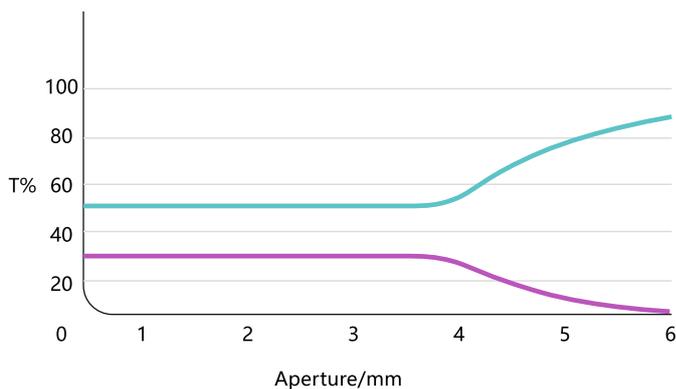
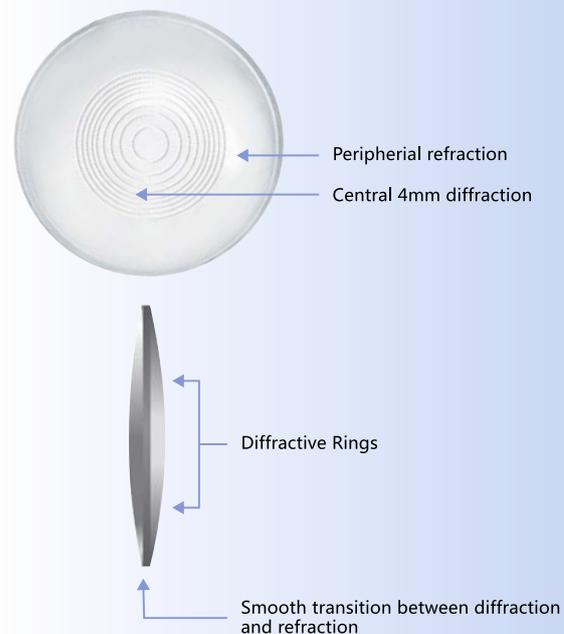
Diffractive Multifocal Design

Central 4mm Diffractive Rings Zone

The diffractive rings are distributed within the central 4mm diameter, effectively adjusting the energy distribution of light rays and ensuring imaging requirements at different focuses

Periphery High Order Aspheric Refractive Zone

Smooth transition between the diffractive and refractive zone ensures balanced energy distribution at near and distant focuses, effectively reducing visual interference



Enhancing light energy distribution at the distant focus when the aperture size increases

Reducing glare and halo under dark lighting conditions



Extend Depth Of Focus Aspheric Technology

Optical Center Zone

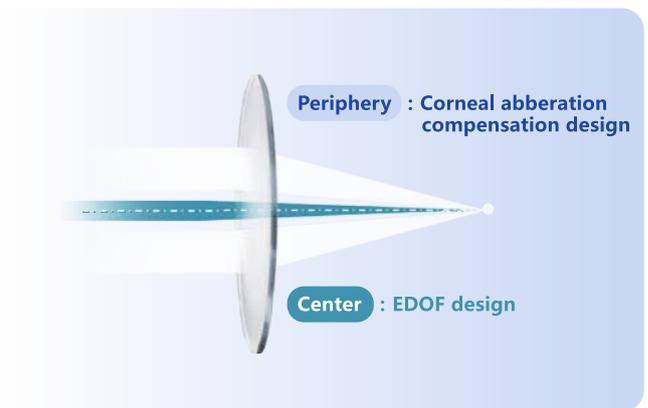
With Super large aberration, the depth of focus is extended to the nearer vision.

Peripheral Optical Zone

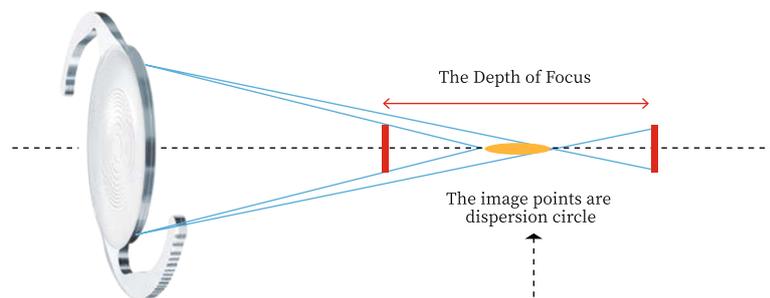
Aberration gradually decreases, and visual quality is not Interfered under large pupil condition

High Order Aspheric Technology

Smooth surface without glare introduced

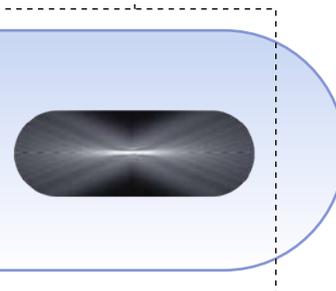


EDOF Intraocular Lens



The Focus Extended

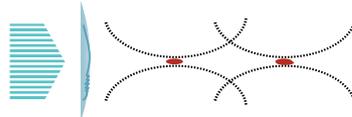
The spherical aberration of the small aperture of the intraocular lens is increased to a certain extent, thus the focus is extended to obtain the extended depth of focus, achieving the continuous focus, and providing continuous vision.



Better Combination of Surface Shape and Function

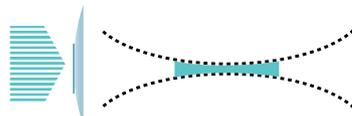
Posterior Surface Diffractive Design

Achieve multifocal for near and distant vision



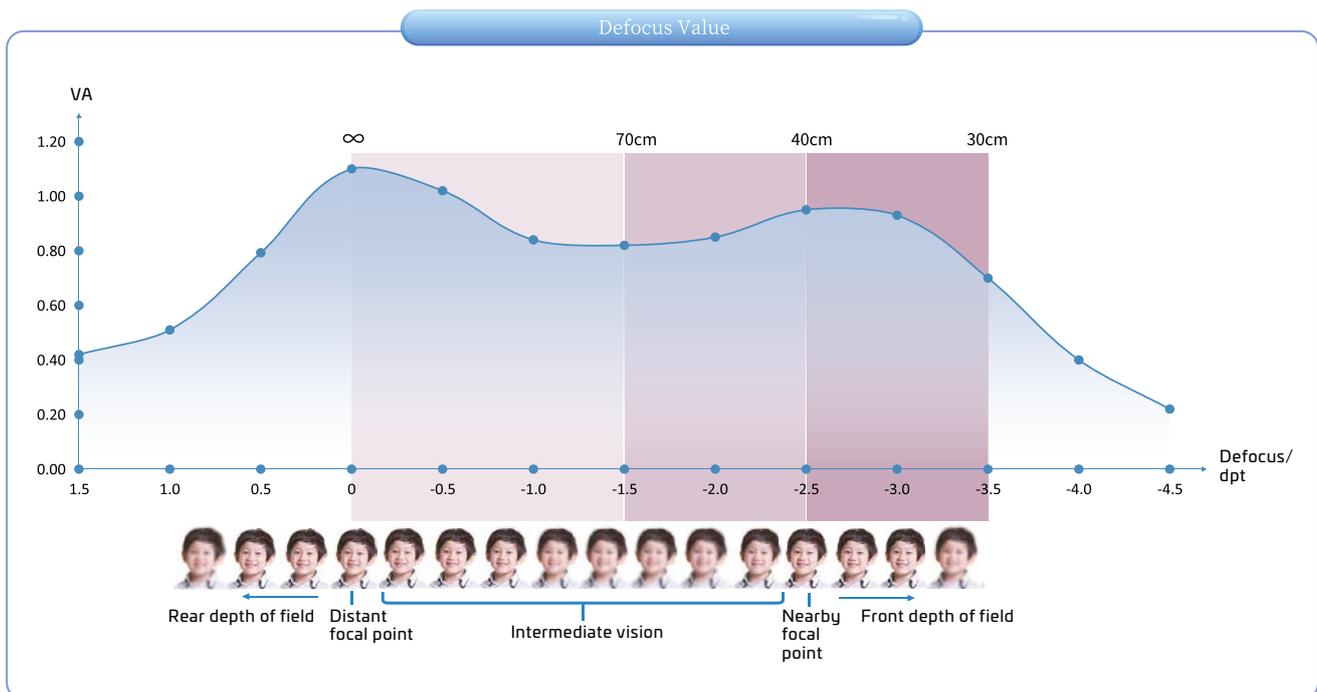
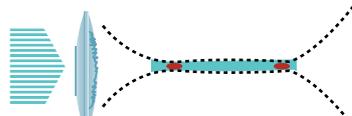
Anterior Surface Aspheric EDOF Design

The depth of focus extended achieve the vision continuous.



Combination of Anterior and Posterior Surfaces

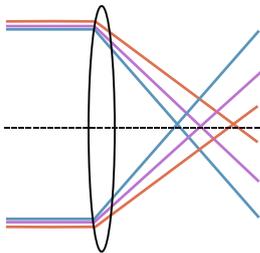
Gain near enough and continuous full-range vision



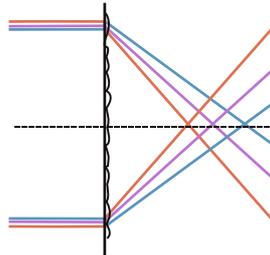
BALANCE ART

Active Chromatic Aberration Correction Technology

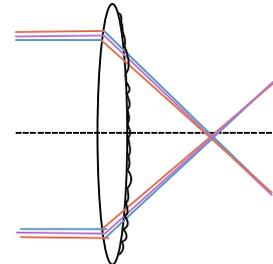
Refractive Positive Chromatic Aberration



Diffractive Negative Chromatic Aberration



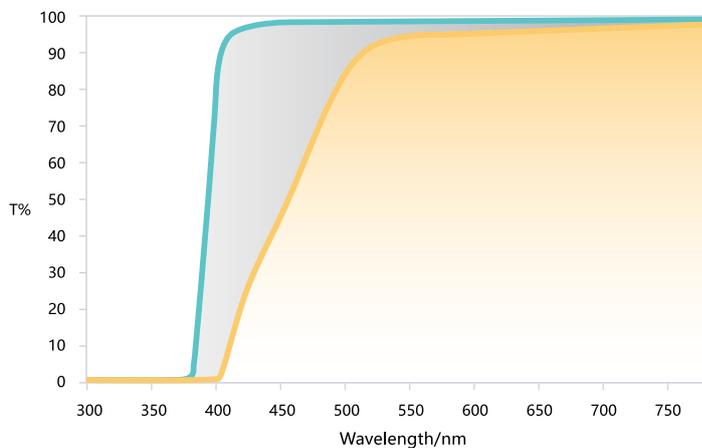
Combination Achromatism of Refraction and Diffraction



Refractive index of the material is highly matched with additional optical power, the refractive and diffractive chromatic aberrations can be compensated mutually, bringing in sharper images and better visual experience.

Clear Material Enhance The Optical Performance

Clear lens **“Say No”** to light energy loss



The visible light range for the spectral transmittance of clear lens is about 380-780nm.



The world you see through the Yellow Lens

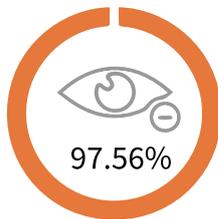


The world you see through the clear Lens

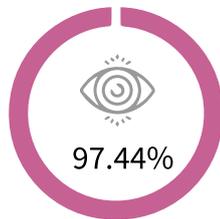
Chinese Clinical Result for Our multifocal + EDOF IOLs with Additional Power 2.8D

Allow the subjects to gain good intermediate vision, and have continuous vision.
The performance in glare and contrast sensitivity is slightly better than the control product.

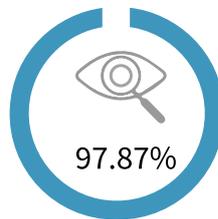
Postoperative Vision Performance and Spectacle Independent Rate (12 months or more after surgery)



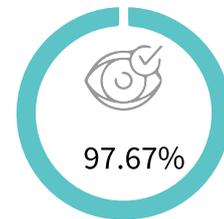
Distant Vision
Decimal Visual Acuity > 0.6,
Among 88.24%
is not bigger than 0.



Mediate Vision
Decimal Visual Acuity > 0.6



Near Vision
Decimal Visual Acuity > 0.6
and 100% is above 0.5



Rate of Spectacle Independence
Daily rate of spectacle independence
including "Never wear spectacle",
"rarely wear spectacle",
"seldomly wear spectacle".

Better Subjective Feeling, Less Visual Interference

Subjective Questionnaire

2 years or more after surgery
Mainly Investigate the patients' daily visual activity requirements, such as reading large print, recognizing people, seeing stairs, signs, filling out forms or signing, recreational activities, sports, watching TV, cooking, etc

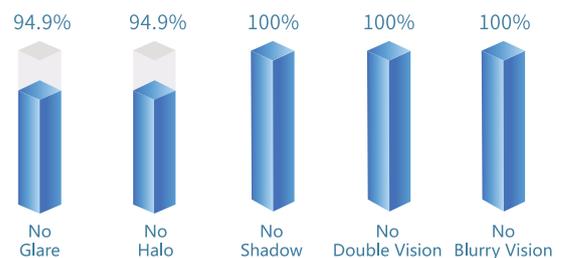
Trouble Free Ratio



— Visual Symptom Evaluation —

3 months after surgery, the eye become stable. The adaptation period was relatively short, with approximately 80% of patients reporting no visual impairments. A small percentage of patients experienced mild visual impairments.

Post-op 2 years, no or mild symptom ratio



Technical Details

| | | |
|--|---|---------------------------------|
| Productname | MAX Vision™ | |
| IOL Type | foldable, one-piece | |
| Material | hydrophobic clear acrylic heparinmodified surface | |
| Refractive index | 1.48 | |
| Lens Type | Back: Diffractive multifocus rear surface; Front: Refractive, aspheric, EDOF | |
| Powers | +10.0 dpt ~ +30.0 dpt | |
| Additional Power | +2.8 dpt | |
| Haptic design and angulation | modified „L“Loop ; 1.5° | |
| Optic diameter | 6.0 mm | |
| Overall length | 13.0 mm | |
| Recommended a-constant for optical biometry | 118.9 | |
| | Haigis | a0 = 1.50, a1 = 0.40, a2 = 0.10 |
| | Hoffer | pACD=5.69 |
| | Holladay I | sf = 1.95 |
| | Holladay II | ACD = 5.69 |
| | SKR/T | A = 119.2 |
| | SRK/II | A = 119.6 |
| | Barrett | LF = 2.0; DF = 2.5 |

MAX Vision™ EDOF Toric Preloaded EDOF Toric IOL

Characteristics:

- Cylinder power T1 to T6 (1.00 to 4.50 D at IOL level)
- Diopter range from 10.0 – 30.0 in half steps
- Toric, one piece EDOF IOL of hydrophobic acrylic with extended depth of field
- glistening-free, based on in vitro test
- 1-Step preloaded

| Modell clear | Cylinder Power at IOL Plane | Cylinder Power at Corneal Plane |
|-----------------|--------------------------------|------------------------------------|
| AT1 | 1.00 D | 0.72 D |
| AT2 | 1.50 D | 1.07 D |
| AT3 | 2.25 D | 1.59 D |
| AT4 | 3.00 D | 2.11 D |
| AT5 | 4.00 D | 2.80 D |
| AT6 | 4.50 D | 3.15 D |



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