

# ZONE MOBILE 2.0

Unprecedented visual quality



Caledonian  
Optical

# ZONE MOBILE 2.0

## UNPRECEDENTED VISUAL QUALITY THANKS TO THIS PERSONALISED FREE-FORM PROGRESSIVE LENS

Once we get up, we no longer know when we are going to go to sleep again. Our day to day is full of activities, both indoors and outdoors, that need a high-quality, modern and personalised lens that can fully satisfy our dynamic life.

Thanks to its cutting-edge technologies, the **Zone Mobile 2.0** has not only revolutionized the concept of personalisation by considering the wearer's accommodative ability to focus on different distances but also have drastically reduced swim effect caused by lateral image distortion, resulting in **unprecedented visual quality and wide visual ranges at any distance**.



### IDEAL WEARER

- ✓ Those who need a very good lens and a better visual quality and comfort.
- ✓ Experienced or novice progressive wearer who desire wide visual fields for both near and distance vision.
- ✓ Wearers with all types of prescription and addition powers.

### BENEFITS

- ✓ Wide and balanced visual fields for all distances.
- ✓ Precise and comfortable focusing for all working distances in any gaze direction.
- ✓ Peripheral blur reduction.
- ✓ Higher image stability for reduced swim effect.
- ✓ Superior visual quality when using digital devices.
- ✓ Highly personalised lens.

**MFH** [Minimum fitting height]

14mm | 15mm | 16mm | 17mm | 18mm

# TECHNOLOGIES

**Zone Mobile 2.0** lenses incorporate **IOT Digital Ray-Path 2** Technology and **Acu Tech™** technology. With this technology, the swim effect is significantly reduced.



## IOT DIGITAL RAY-PATH 2 TECHNOLOGY

Zone Mobile 2.0 lenses incorporate IOT Digital Ray-Path 2 Technology. **IOT Digital Ray-Path 2 pushes the limits of geometry in lens personalisation by incorporating the wearer's accommodative capacity in the final lens calculation to further minimize oblique aberrations.**

This technology works in synergy with nature. It utilizes the innate power of the human eye to refine the optimization process for personalised lenses.

### BENEFITS

- ✓ Wider visual fields.
- ✓ Precise and comfortable vision.
- ✓ A more consistent wearer experience.
- ✓ Near elimination of peripheral blur.
- ✓ Superior visual quality with digital devices.



## ACU TECH TECHNOLOGY

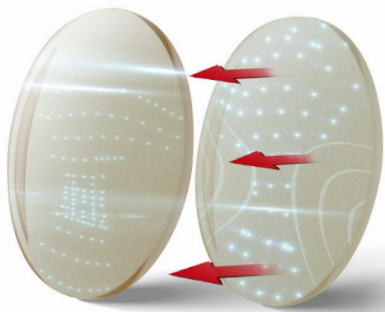
**Acu tech™ technology focuses primarily on minimizing the spherical peripheral power errors** to deliver patients a more focused and natural vision. Acu Tech™ technology carefully balances the mean power required for intermediate and near vision, achieving a perfectly symmetrical and smooth distribution.

### STABILITY

Lenses designed with Acu Tech provide wearers with **more stable and natural vision**. Acu Tech addresses unwanted changes to mean power in the lateral areas of the lens, providing superior progressive lenses **for all lifestyles and market segments**.

### BENEFITS

- ✓ Higher image stability for reduced swim effect.
- ✓ Improves peripheral visual acuity in the distance.



# Features

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## **PERSONALISATION**

The design is further enhanced, when desired, by a complete set of individualization parameters that take into consideration the unique attributes of the frame and the preferences of the wearer. If no parameters are provided, IOT Digital Ray-Path 2 will utilize default values.



## **COMPENSATED POWER**

Lens power differs from prescribed power. The design is calculated, point by point, to ensure wearers perceive the proper power when looking through their lenses at every distance and direction of gaze, including near distances for viewing electronic devices.



## **OPTIMIZED FOR ACCOMMODATIVE OBJECT SPACE**

IOT Digital Ray-Path 2 incorporates the intelligent use of the wearer's accommodation into the traditional calculations for reducing oblique aberrations, resulting in a superior personalised lens. Oblique aberrations are minimized more effectively than ever before.



## **CONSISTENCY**

The perceived power distribution remains stable, regardless of the prescription or base curve. This is especially beneficial for high prescriptions and large or wrapped frames.



## **STRICT CONTROL OF MEAN POWER IN DISTANCE AREA OF THE LENS**

Significantly reduces mean power error.



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