

TECHNOLOGIES

DIGITAL RAY-PATH® Free-form fully personalized digital lens

Digital Ray-Path® is the most advanced technology available to make digital lenses. The important difference appears when calculating the back surface of the lens. Instead of using a pure geometrical method, Digital Ray-Path® technology is based on an advanced three-dimensional calculation model that takes into account the actual position of the lens and the natural movements of the human eye. The result of this innovative calculation method is a lens that is personalized and provides better vision in all zones of the lens. Digital Ray-Path® lenses are personalized according to the individual parameters of each wearer.

SURFACE POWER® Free-form non-compensated digital lens

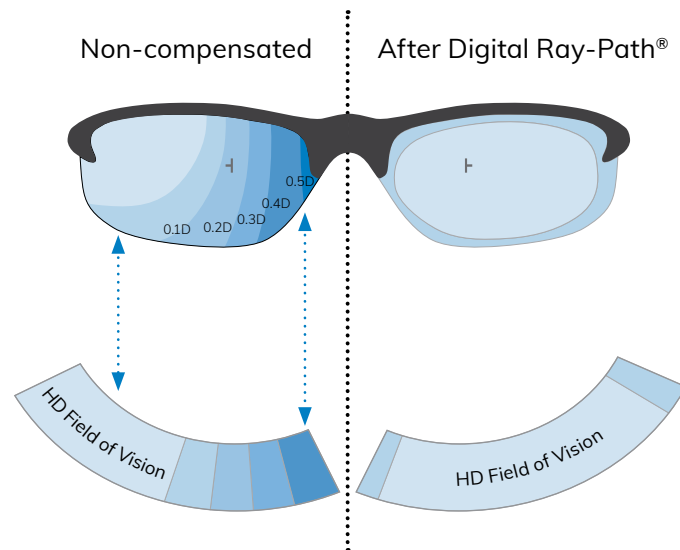
Surface Power® is an entry-level digital technology. Digital lenses made with this technology have the Rx surface on the back side of the lens, and a simple curve, typically a sphere, on the front side. The Rx surface is calculated using a pure geometrical method that produces lenses with similar optical performance as conventional lenses, but with the advantages of the digital process, like flexible designs, variable corridor lengths and insets. Surface Power® designs transfer the lens design to the back surface of the lens to allow free-form processing.

SMART ADD Relaxation and comfort in front of a digital display

Smart Add is a technology specifically designed to improve comfort when viewing electronic devices (smartphones, tablets, computers, etc.). The intermediate and near visual regions have been optimized for agile focus with less effort. The eyes are more relaxed, eyestrain disappears, and the wearer's posture is more ergonomic. Smart Add technology improves lens performance while reading on screens, optimizing the surface for a more dynamic vision.

OPTIONS

Wrap Frame Compensation



Specialty lenses produced with Digital Ray-Path® can be produced for wrap frames. When using Digital Ray-Path® technology, the optician can measure the wrap angle of the frame and include this information when ordering a personalized progressive lens.

Digital Ray-Path® compensates for high rotation and lens tilt. This advanced technology generates progressive lenses that take into account a high wrap angle and provide the wearer with a high definition field of vision. No matter the gaze direction or frame curvature, the final quality of vision is always optimized to offer the highest optical performance.

Available for Acomoda II, Sport, inMotion™, and Single Vision designs.



Special lenses for particular uses

There are moments in our lives that require a specific lens, moments such as driving, playing sports, or working with a computer. IOT's Specialty designs provide wearers with the appropriate solution for every situation, improving their visual comfort and quality of vision. With the Specialty Series, any specific visual need can be met.

Since single vision and bifocal wearers also deserve to have high definition vision and the best possible lens aesthetics, IOT offers a complete range of high-end digital bifocals and single vision designs.



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OVERVIEW



| | Digital Round-Seg | Task Lens | Anti-Fatigue | Sport PAL | inMotion™ PAL & SV | Single Vision |
|-----------------|--|---|--------------------------------|---------------------------------------|---|---|
| Description | Personalized digital bifocal lens | Indoor lens | Personalized anti-fatigue lens | Personalized outdoor progressive lens | Personalized progressive and single vision lenses for driving | Personalized single vision lens |
| Strengths | An advanced digital bifocal lens for a superior near and distance vision | Widest near and intermediate | Help for reading | Panoramic and dynamic distance vision | Compensates for night myopia, great distance and low lateral distortion | Perfect for high prescriptions and sport frames |
| Far | --- | ★★★★★ | --- | ★★★★★ | ★★★★★ | --- |
| Near | --- | ★★★★★ | --- | ★★★★★ | ★★★★★ | --- |
| Comfort | --- | ★★★★★ | --- | ★★★★★ | ★★★★★ | --- |
| Technologies | Digital Ray-Path® | Digital Ray-Path® or Surface Power® Smart Add | Digital Ray-Path® Smart Add | Digital Ray-Path® | Digital Ray-Path® | Digital Ray-Path® |
| MFH's available | 14 mm | 14 & 18 mm | 14 mm | 16 & 18 mm | PAL: 16 & 18 mm | --- |



DEMONSTRATION



DIGITAL ROUND-SEG

A full back-side digital bifocal totally compensated for each individual patient. It offers a significant superior vision for distance and near vision compared with a regular bifocal. Available segment diameters: 28 mm & 40 mm.

| | | |
|---|-------|---------------------------------------|
| ■ | 1.3 m | Clear vision up to 1.3 meters (4 ft) |
| ■ | 2 m | Clear vision up to 2 meters (6.5 ft) |
| ■ | 4 m | Clear vision up to 4 meters (13 ft) |
| ■ | 6 m | Clear vision up to 6 meters (19.7 ft) |



TASK / TASK PRO

The best lens for office and computer work. It offers an extremely wide intermediate and near visual field and very easy adaptation. Ideal for mid-age professionals who spend a lot of time working at near-intermediate distance.



ANTI-FATIGUE

A lens designed to reduce visual fatigue. It is available in 1.00D, 0.75D and 0.50D additions. Ideal for single vision wearers between 18-45 who need better near vision and have visual fatigue symptoms.



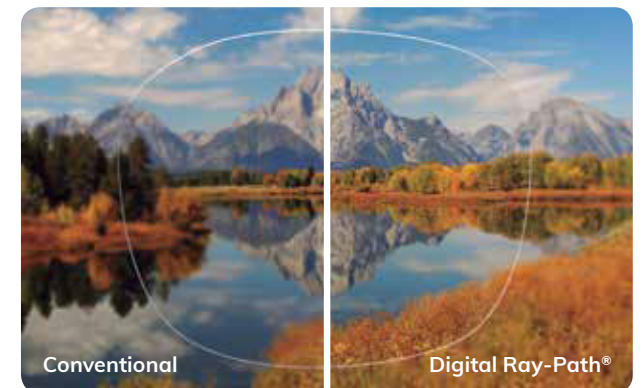
SPORT

Fully personalized progressive lens exclusively for outdoor activities like sports. This design offers a clear area of binocular vision in far distance and it is the ideal lens for dynamic outdoor conditions.



INMOTION™

Fully personalized progressive and single vision lenses specially designed for driving. They incorporate a power distribution specially adapted for driving and include a night vision zone for greater visual quality and less fatigue when driving at night.



SINGLE VISION

Fully personalized single vision lens. It is especially beneficial for high minus and plus prescriptions or for sport frames. The wearer will see a new concept of vision in high definition from the center to the edge of the lens.