Clarity redefined: A new approach to vision

Imagine if you had cataracts or an eye disease and were told you had the chance to see completely clear again—no frames, no obstruction, just everything in complete focus? With innovations in this world constantly improving, IMT plans to redefine clarity and make the dreams of our doctors and their patients become a reality.

Diffracting light for better sight

Diffractive technology deals with the manipulation of waves (light, sounds etc.) and has been studied for decades. It's been used in many different fields, some of them being medical, scientific and even space exploration. Technology is constantly evolving with light diffraction, and when it comes to the field of ophthalmology, we are just scratching the surface.

Glance at the graphics of a lens on Canon's website [https://www.canon-europe.com/pro/infobank/lenses-multi-layer-diffractive-optical-element/]. Similar technology is used in creating contacts and intraocular lenses called IOLs. IMT's DIFFRACx Trifocal™, is an artificial cornea or IOL that uses diffractive technology. It has the ability to enable users with both near and far-sighted vision to see everything clearly without any undesired effects.

Progressive lines = Perfect eyes

Have you ever worn glasses or bifocals and remember seeing glare or halos? This occurs with our competitor's trifocal lenses because the depth of the rings around their lenses are too deep. This causes light to refract off the ring's edges and create glare. With IMT's truly progressive approach, we have been able to manufacture a lens with gentle incisions and lines that are invisible to the naked eye while still compatible with light diffraction. This development is groundbreaking in the field of ophthalmology and will alter the way multifocal IOLs will be made in the future.

Too good to be true? Don't take our word for it. Ask our clients!