C3 FREEFORM INDIVIDUAL CUSTOMIZED LENS

C3 PREMIUM LENS SERIES

C3 The Personal fully(Individual) Customized Progressive Lens

Prime PG Lens
Galaxy[5] Lens
Galaxy 4K Lens
Galaxy Freestyle Lens
Galaxy Eagle(EG) Lens
Galaxy[Top] Lens

C3 The Personal fully(Individual) Customized Functional Lens

Kids Lens
Office Lens
Office Lens II
Antifatigue Lens

C3 The personal fully(Individual) Customized Single-Vision Lens

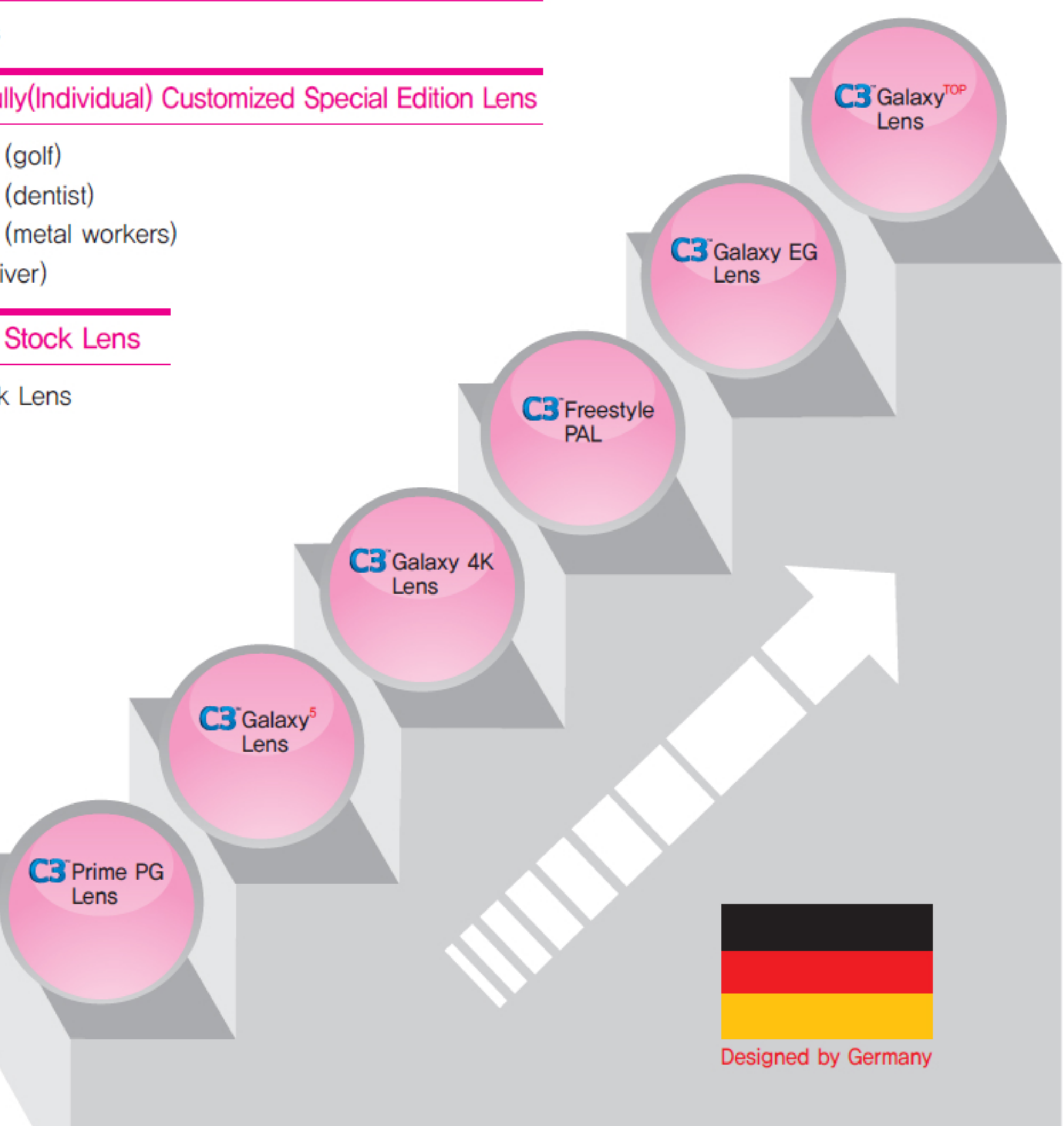
Single Vision Lens

C3 The personal fully(Individual) Customized Special Edition Lens

Special Edition 07 (golf)
Special Edition 05 (dentist)
Special Edition 03 (metal workers)
Special Edition (driver)

C3 Single-Vision Stock Lens

Single Vision Stock Lens

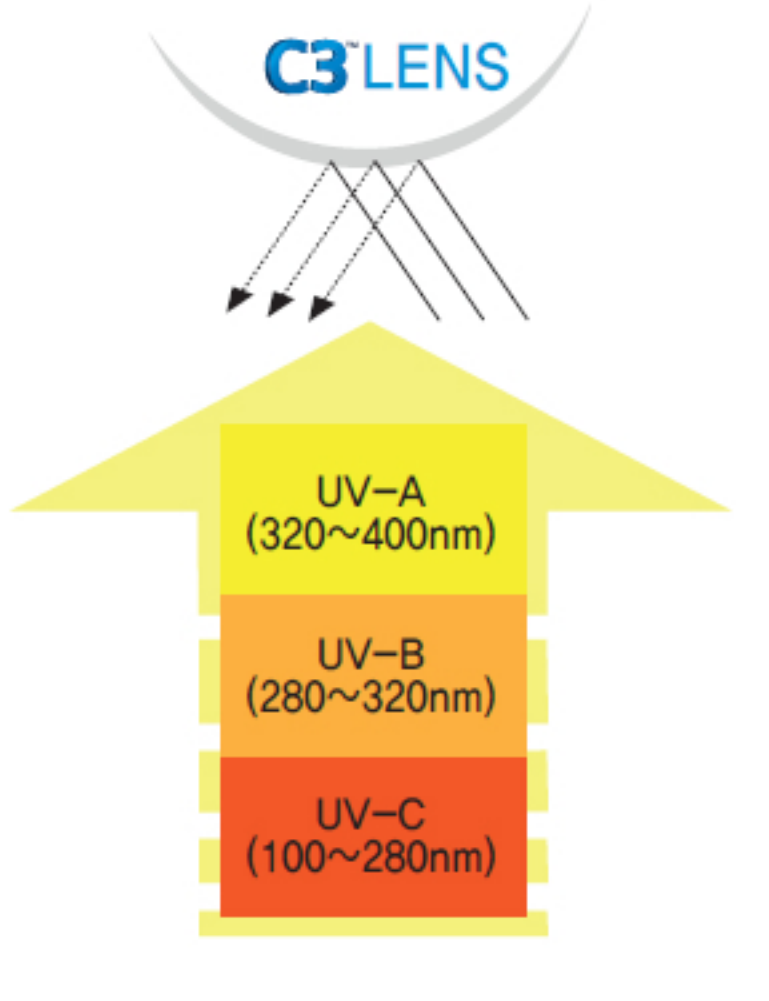


C3 SPECIAL COATING OF LENS(GNT)

C3 Feature of GNT

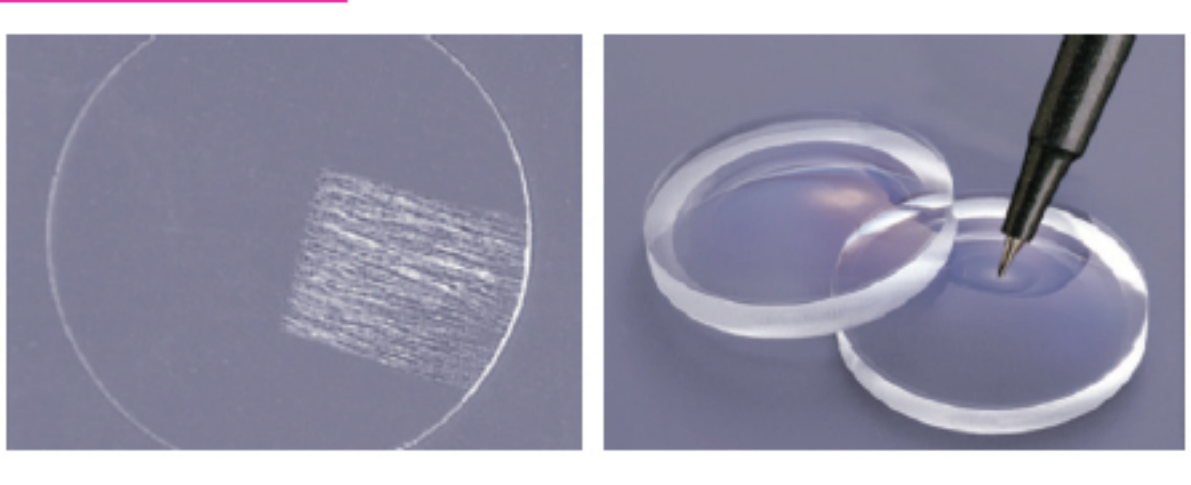
GNT UV 400 Protection

- Ultraviolet rays that occurs throughout the year regardless of weather.
- The cause of a variety of eye disease such as cataracts, glaucoma etc.
- UV protection that is necessary more in glasses than sunglasses.
- With its 400nm long wavelength, life UV may cause damage to retina through the cornea and lens of the eyes even on cloudy day. It is often mistakenly understood among the users that sunglass is needed to be worn only in a day when sunlight is strong however, in fact, UV protection is more essentially required with the eyeglasses which we wear every day. In order to keep the eyes of the consumer healthy, Hanmi Swiss Optical Co.,Ltd has made it basic applying UV protection to C3 eyeglass lenses.



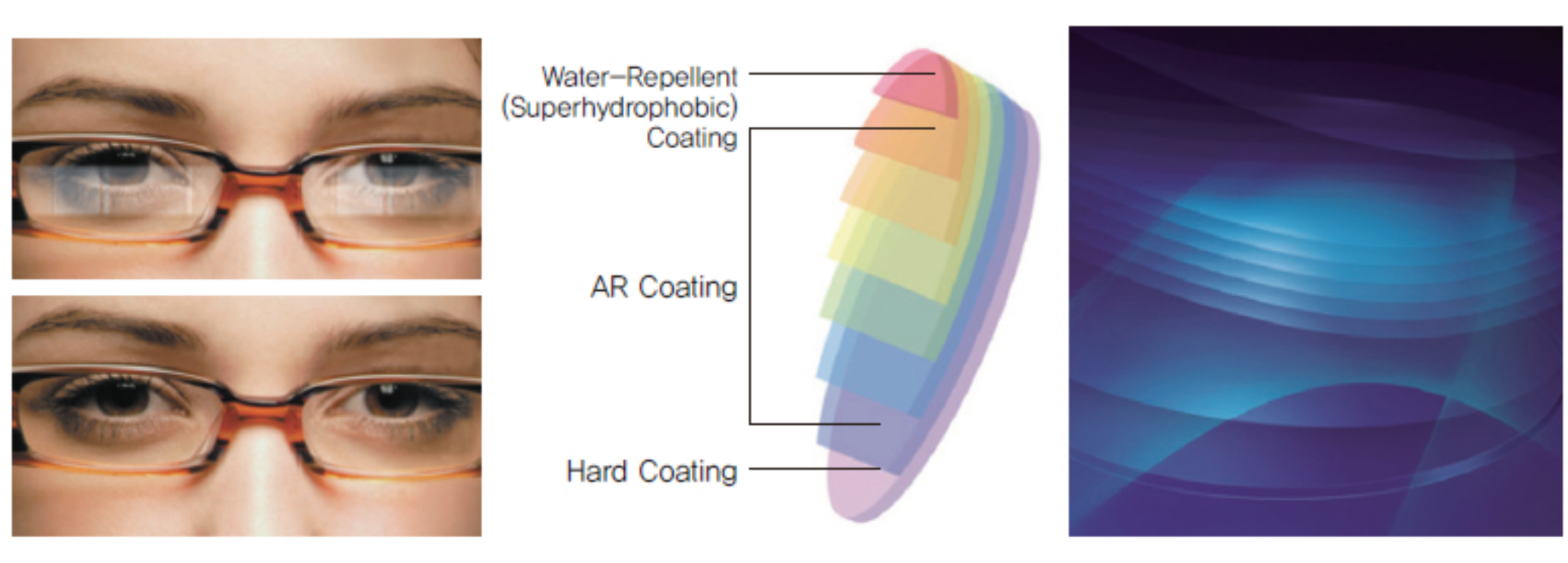
GNT Hard Coating

- Prevent scratching by increasing the overall strength.



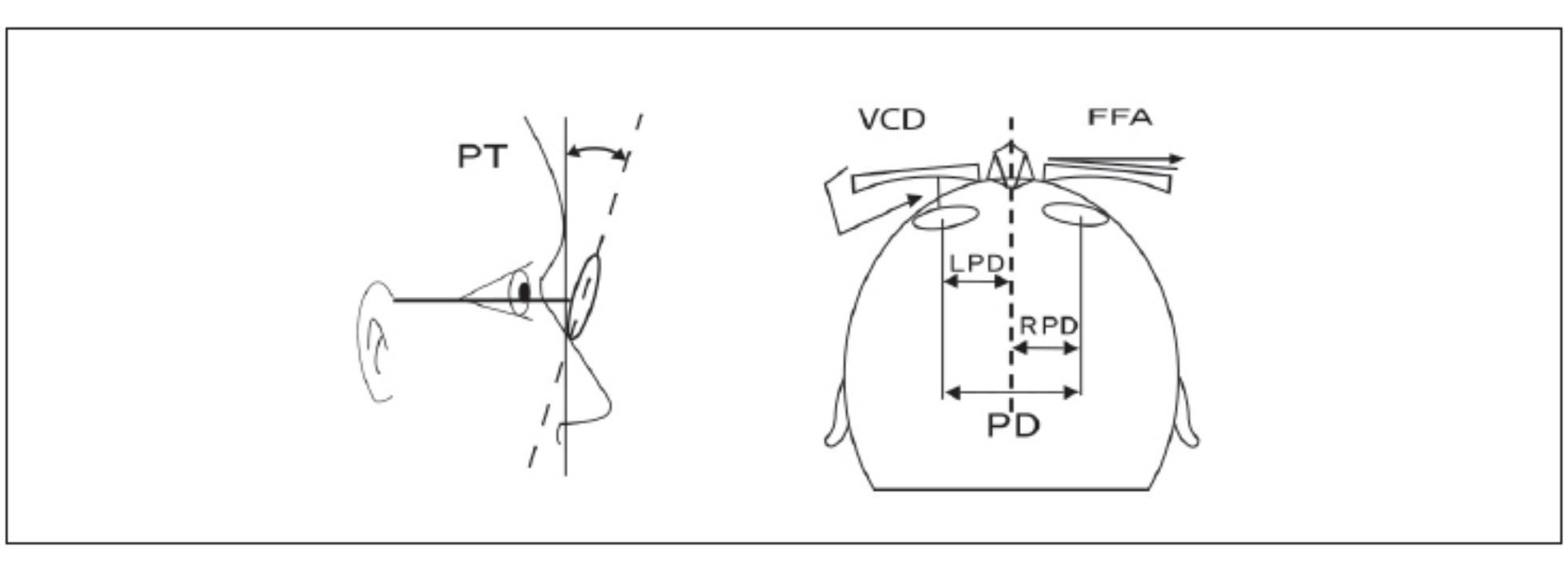
GNT Multi(AR) Coating

- Secure clear vision field by increasing transmissivity.
- Secure further strengthened and clear visual field by forming a more solid and strong multi-coated film.



C3 MEANS OF THE PERSONAL FULLY (INDIVIDUAL) CUSTOMIZED LENS

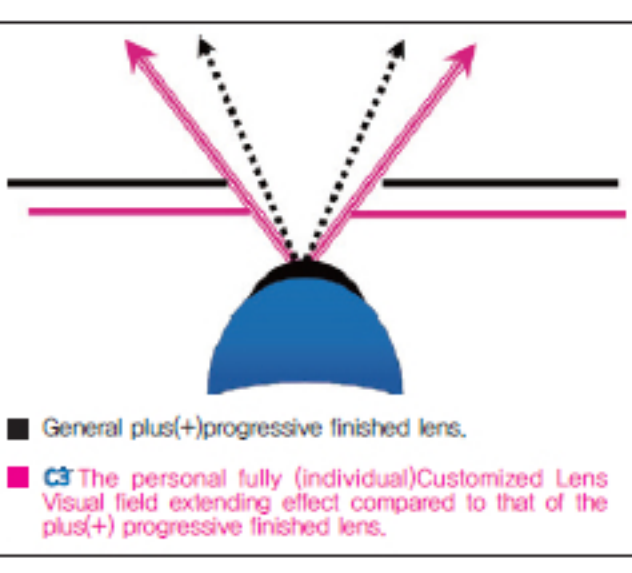
- Eyeglass lens wearers become to have a personal parameter by the frame of the glasses and biometric characteristics and these parameters give influences over the variation of the eyesight. Limitation of the visual field etc of the wearer when wearing eyeglass lens. The reason why the wearers must adapt themselves when wearing eyeglass lenses is caused by the variation of the parameters.
- The personal fully customized lenses provide broad visual field, natural visual field and comfortable visual life to the wearer of the eyeglass since it was made in consideration of the personal parameter and wearing status of the wearer etc.
- Personal Parameter : VCD, RD, MONO PD, FFA, PT
  There are VCD, RD, MONO PD, FFA, PT



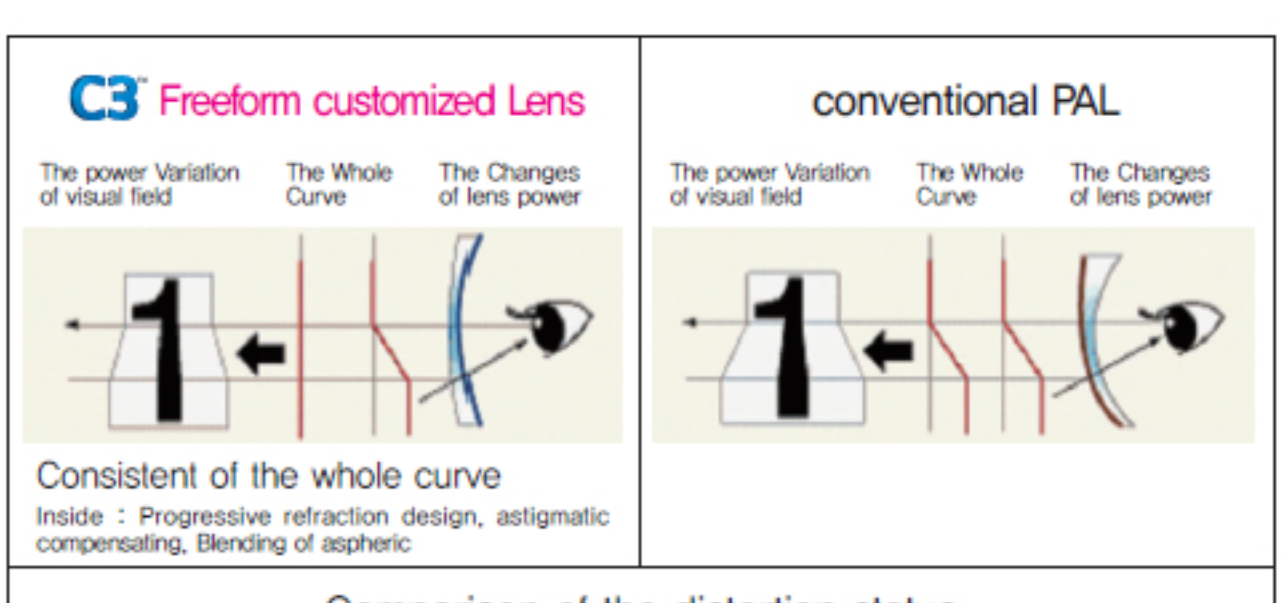
The limited visual field of the common lenses due to the non-application of the personal parameters.

The broad visual field of the fully personalized custom made lenses due to the application of the personal parameters.

The changes of lens power by the gaze direction and variation of the vertex distance.



Comparison of the visual field extension effect.

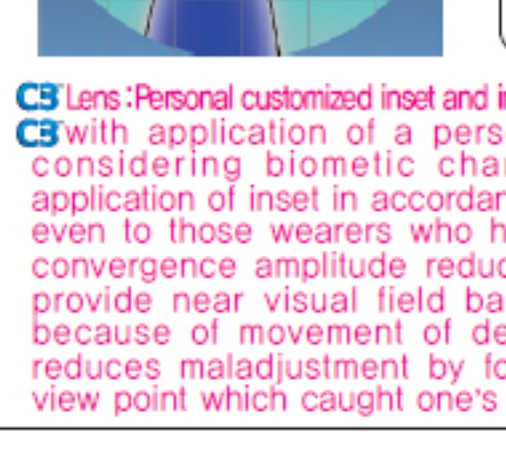
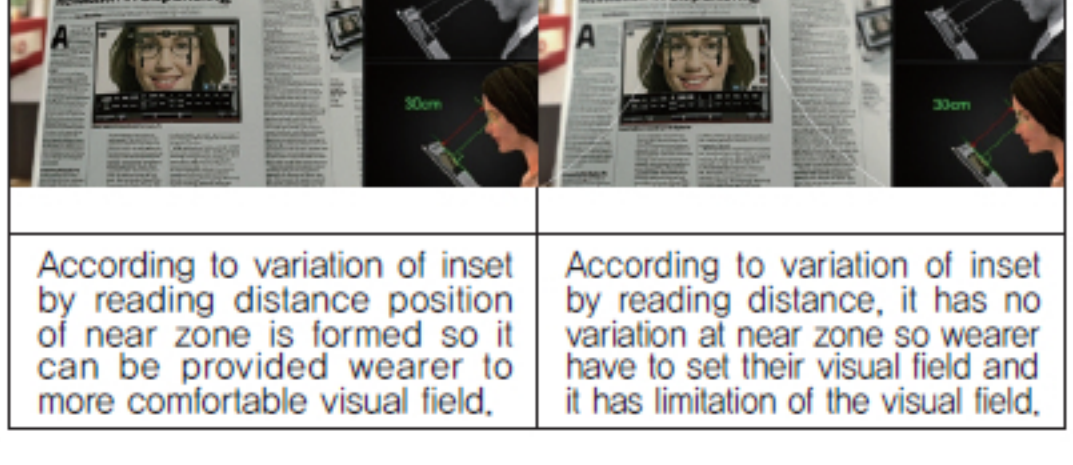


Comparison of the distortion status of the progressive lenses.

MEANS OF THE PERSONAL FULLY (INDIVIDUAL) CUSTOMIZED C3 LENS

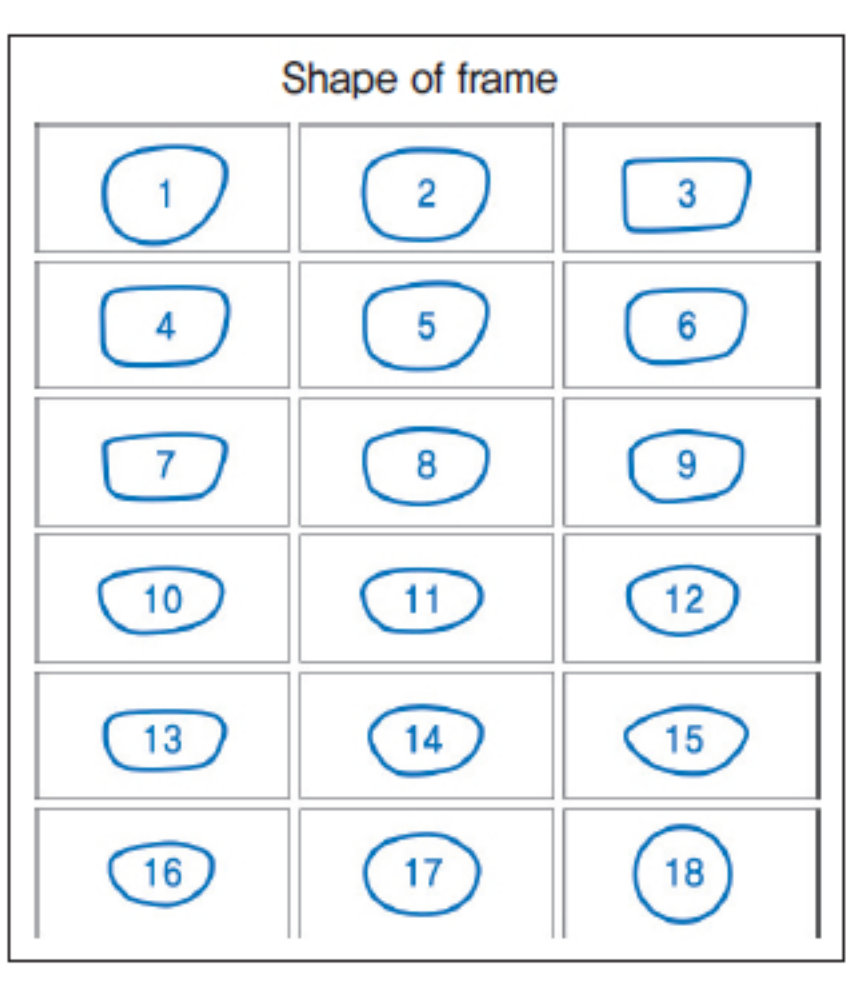
Recommendation customer

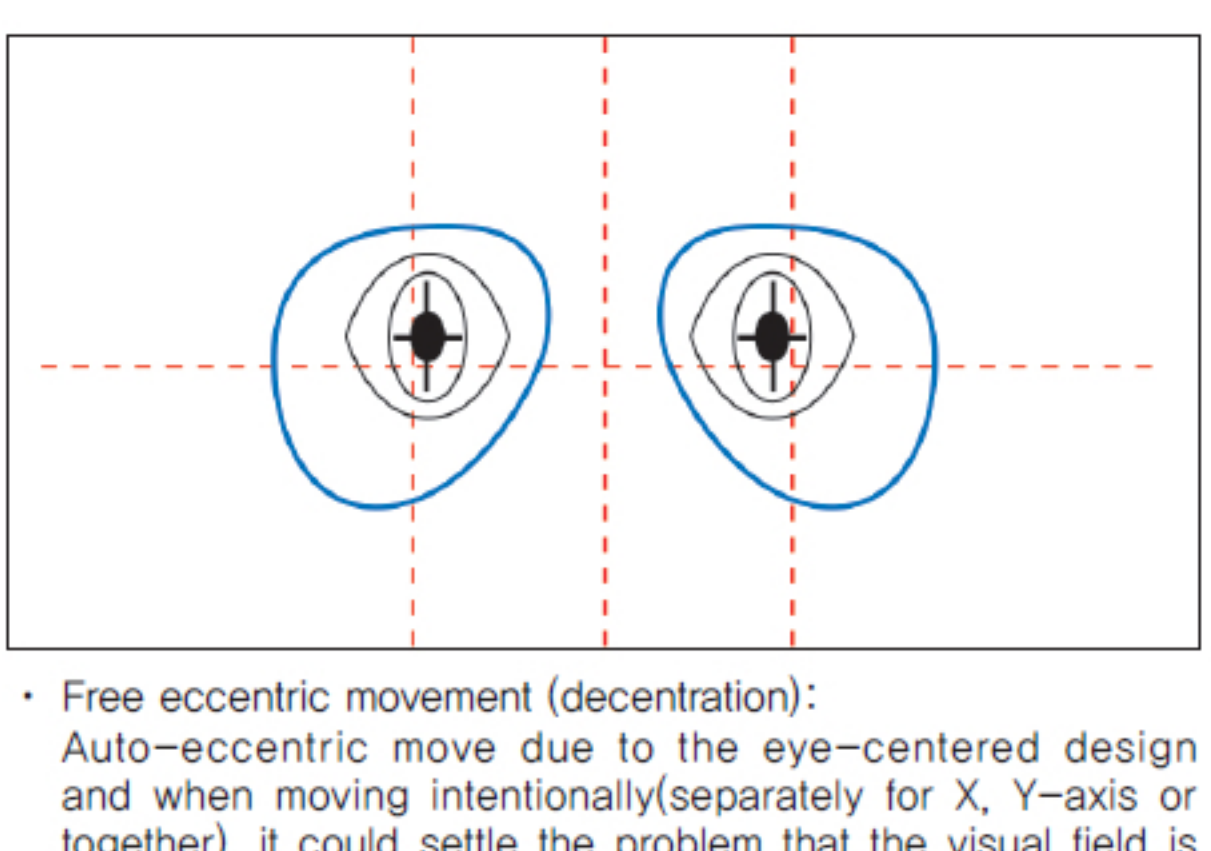
- Produces optimized products for the wearer in a freeform method using presicion CNS equipments along with the special computer design considering the characteristic (parameter) and the wearing etc of the individuals.
- As an inner surface A-TORIC design, provides broader and more comfortable visual field than the conventional progressive design.
- Custom design due to a variety of inset settings.
  With the application of a personal customized inset considering variation of the convergence amplitude depending on the gazing distances(far or near), reduces the phenomenon that the visual field is being caught at the periphery of the lens and, with the application of inset in accordance with the prescription, for the people who have inital presbyopia and enjoy sports activites often.

Comparison of visual field when inset has been change by reading distance		Means of inset by gaze distance (near and far)
Lens of applied inset	General Lens of secured inset	
		
According to variation of inset by reading distance position of near zone is formed so it can be provided wearer to more comfortable visual field.	According to variation of inset by reading distance, it has no variation at near zone so wearer have to set their visual field and it has limitation of the visual field.	C3 Lens :Personal customized inset and inset application by prescription. C3 with application of a personal customized inset considering biometric characteristics with the application of inset in accordance with the prescription even to those wearers who have abnormalities their convergence amplitude reduces the maladjust and, provide near visual field based on personal date because of movement of design. Consequently it reduces maladjustment by forming exect power to view point which caught one's attention.

- Precise processing methods : With the softwate calculation of the precise point-processin method of 1000^{6400}, forms consistent and accurate lens power so as to create smooth continuation of the visual field.
- Eye-Centered Design : With the application of the eye-centered design for which OH, PD, DBL and Frame size is considered, more comfortable visual field is secured when worn since the starting point of the optimized design was set for application at the eye position of the wearer

Shape of frame





- Free eccentric movement (decentration):
  Auto-eccentric move due to the eye-centered design and when moving intentionally(separately for X, Y-axis or together), it could settle the problem that the visual field is being caught at the periphery because the lens design moves together and could increase the utilization of the frame size.