



**ITAL•LENTI**  
LENTI DA VISTA ITALIANE

**FREE FORM LENSES**  
Free to choose

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## **EXTESA. FREE FORM ATORIC SINGLE VISION**

The Free Form constructive solution on a single vision lens is realized with recalculation of the powers on the whole surface of the lens in order to eliminate astigmatisms and residual aberrations typical of the single vision lenses of industrial production.

Thanks to the production process management software, the diameter of the semi-finished is optimized in the construction phase of the lens, on the shape of the chosen frame, thus allowing a sensitive decrease of lens thickness in case of strong powers.

### **ADVANTAGES FOR THE CUSTOMER**

Better night vision and peripheral due to the accuracy of the surface and dioptric power over the entire surface of the lens with a noticeable increase in the clear field of vision available.

### **BEST WITH ICE!**

Particularly suitable for the production of graduated sunglasses, it is suggested to combine the ICE achromatic antireflection treatment.





## **RELAX. ANTIFATIGUE FREE FORM SINGLE VISION**

The Relax lens develops the features of Extesa with one modification of the curvature in the lower third of the lens which leads to a further reduction of fatigue in proximal distances and intermediate. It can for simplicity be assimilated to a lens of progressive type for patients on the 40-year threshold.

### **ADVANTAGES FOR THE CUSTOMER**

Anti-fatigue lens designed for early presbyopia, or with myopia induced by proximal visual stress (myopia from study), hypermetropia associated with imbalances of binocular vision as in the high esoforie of accomodative nature, continuous use of PC.

### **BEST WITH CLEVER!**

A super-hydrophobic anti-reflection treatment that guarantees maximum transparency, particularly important in a pair of sunglasses.





### **OFFICE. FIELD DEPTH FREE FORM**

Office is essentially a progressive lens for near, based on the Free Form technology, with recalculation of the internal curvature and that allows an optimal vision at intermediate distances and for near. The increase in depth of field allows, compared to a pair of glasses only for near vision, a better management than desk activities. The digression is personalized from 0.75 to 1.25 depending on the needs of use.

### **ADVANTAGES FOR THE CUSTOMER**

Superior performances than a progressive and a single vision for the vision from 0.35 to 1 m.

### **BEST WITH IRON!**

The eyewear for "work" is often mistreated and subjected to heavy usury: better to preserve it with a high protection treatment.





## FREE FORM PROGRESSIVE LENSES

The Free Form technology on a progressive lens deviates from the traditional one mainly due to the fact that the starting surface from which the lens is obtained is presented as “virgin” and the power calculation software only works on the internal surface. In this way all the progression parameters are optimized as a function of the addition power necessary for near vision, almost completely eliminating any magnification effect.

The processing can also be atoric in the presence of cylindrical corrections for the astigmatism with a personalized design and with progression channels recalculated for the needs of the wearer.

Finally, the variable inset allows the customization of the progression channel according to the distances and the centering heights.

## ADVANTAGES FOR THE CUSTOMER

Easy adaptation, optimal vision across the entire surface of the lens, wide field of vision without distortion and effective interaction between far and near, reduction of the wave effect that is perceived looking in an oblique direction.



The concept of Free Form construction arises from the need to improve the performance offered by pre-packaged products, as happens in normal standard production of ophthalmic lenses.

Free Form means creating an optically excellent ophthalmic lens, starting from the prescribed dioptric parameters, checking, thanks to the most advanced software and hardware systems, that the “defects”, called optically aberrations, are close to zero.

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