

LEONARDO

# From Plano to Prescription Lenses in Smart Eyewear



# A Solution for Everyone

Smart eyewear can be a solution for everyone, from those who focus on the innovative qualities, such as the technology and audiology, to those who require optical correction. Smart eyewear makes it possible to incorporate individual optical corrections through prescription lenses, allowing you to provide your customers with the benefits of smart eyewear and clear vision.





# Benefits of Prescription Lenses

## Clear Vision Combined With Advanced Technology

Prescription lenses ensure that your customers can fully enjoy the functions of smart eyewear without having their visual acuity compromised. Whether reading notifications, taking photos, or using augmented reality features, they will be ensured clear vision for a smooth experience.

## Everyday Convenience

Smart eyewear with prescription lenses eliminates the need to switch between regular eyewear and smart devices. Your customers will only need to wear one pair of eyewear throughout the day, combining vision correction with the latest technological capabilities.

## Personalized and Stylish

Smart eyewear enables customers to customize their eyewear in terms of both the technological and optical features. Customers can choose from a range of lens types, including tinted, Transitions, polarized, and blue-violet light filtering.

# How To Remove and Insert Lenses

To use prescription lenses in smart eyewear, the frame must be fitted with the appropriate lenses for the customer's prescription.

When mounting and removing lenses in smart eyewear, the proper technique must be followed to minimize damage to either the frames or the lenses. Smart eyewear must be handled with extra care due to the advanced technology embedded in the frame, such as audio components, cameras, sensors, and batteries.

Mount the lenses from the front using the standard plastic frame mounting technique.





# How To Remove Lenses from the Frame

To remove lenses from a frame properly, be sure to:

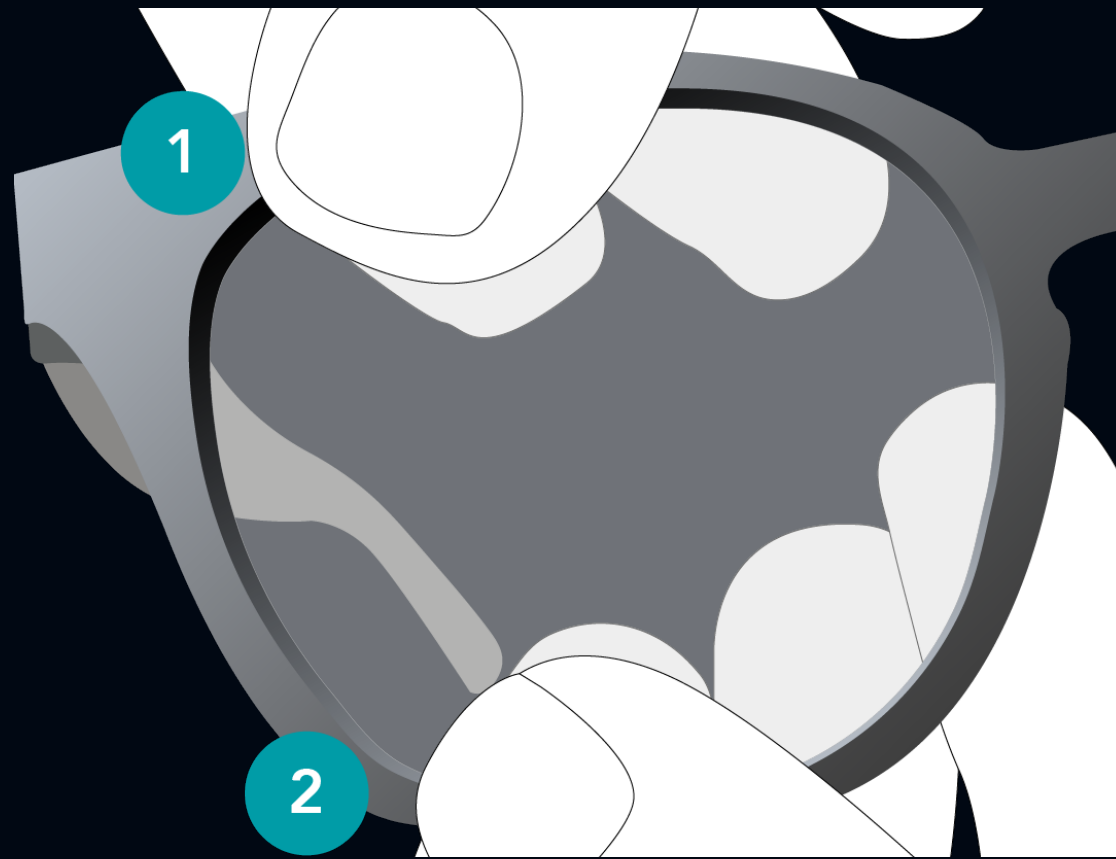
- Protect the bridge: Begin at the bridge since it's the weakest point of the eyewear.
- Work from inside out/outside in: Start from the inside of the eyewear to pop lenses out and from the outside to pop lenses in.
- Check for glass lenses: Confirm the lens material before attempting to insert or remove any lenses from a plastic frame. Glass lenses can be delicate around the edges, so in case of glass lenses, it's best to have the insertion or removal done by a lab to avoid any risk of breakage.
- Tighten temple: Tighten the temple to protect the frame before starting.



# Mounting: Best Practices and General Information

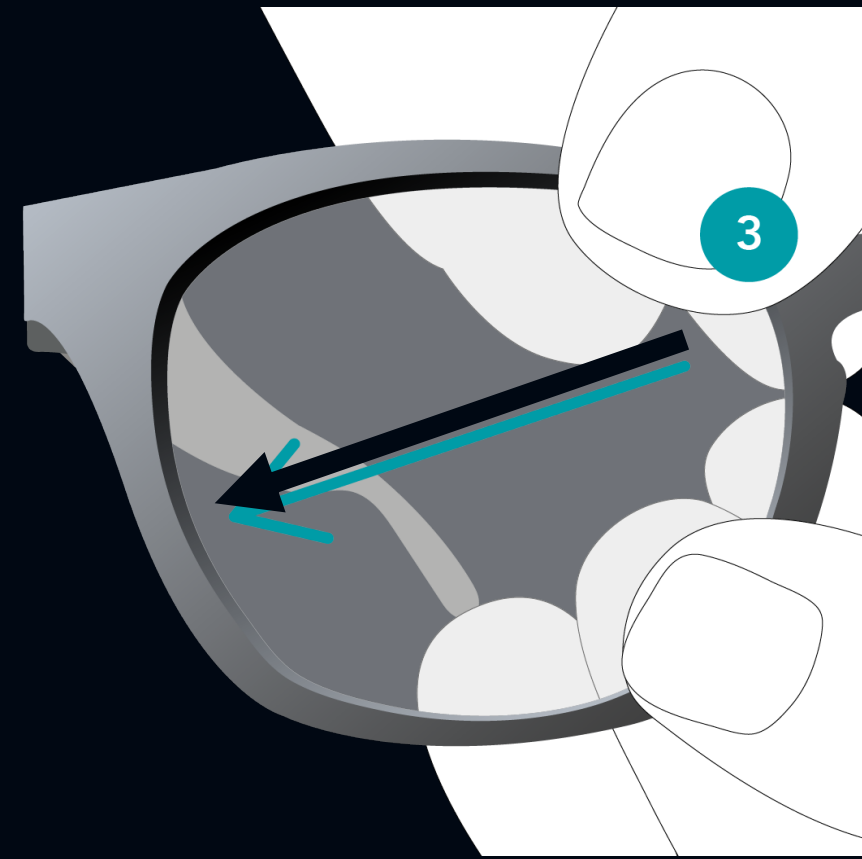
- The lenses should have a front step bevel, which may look different with each prescription. On thinner portions of some lenses, the step bevel will not be complete. This is normal and should not be apparent once mounted.
- Only use solvents on lenses before mounting.
- Ensure lenses are completely dry before proceeding.
- Gently insert the lenses from the front of the frame, starting from the top temporal side and then gradually working to the bottom nasal side of the frame.
- Remember, do not heat the frame as it may cause damage such as:
  - Deterioration of the distributed electronic components: Circuits and sensors are embedded throughout the frame.
  - Material deformation: Technological materials are not designed to withstand high temperatures.
  - Irreversible malfunctions: Overheating can cause permanent damage to the device. In some cases, it might simply degrade some of the product's performance.
  - Compromised internal circuits, sensors, and batteries.

# How To Mount Lenses Onto the Frame



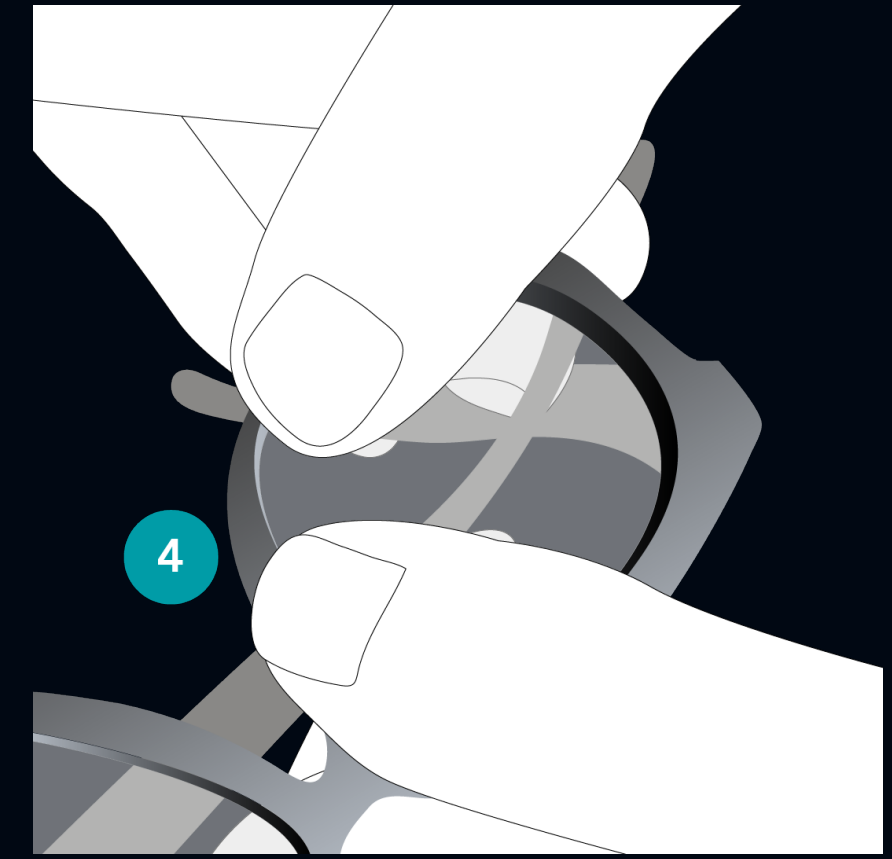
## Step 1

Begin by placing corners 1 and 2 firmly into the bezel.



## Step 2

Insert corner 3 in by applying pressure towards corners 1 and 2 (see arrow), then press down into corner 3 to snap into place.



## Step 3

Snap in corner 4 to complete mounting.

# Edging: Best Practices

- Select the bevel position to match the frame curve as closely as possible to avoid deforming the frame face.
- Do not cut lenses oversized, as this can stretch or put pressure on the frame and damage the lenses.
- Note that due to the thickness of the frame eyewire, the frame will not stretch to accommodate a large-sized lens.
- Size lenses down in increments to ensure proper fit.
- Apply a safety bevel if necessary and mount lenses before deblocking (in case further size adjustments are needed).



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