BeYourGlasses

User Manual

v. 2.0.24

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Software Installation

In order to install the software launch “Setup_BeYourGlasses_2_0_15.exe” installation file and follow the instructions.

The software is compatible with Windows 10 and 11 operative systems.

Installation file can be downloaded here:

https://www.dropbox.com/scl/fi/9icgilz2wapphlx6wiokn/Setup_BeYourGlasses_2_0_15.exe?rlkey=4x1vcjzae3kc042xjmc3her6q&dl=0

At the first start, the software asks for preferred language, available languages are Italian, English and French.

Full-Screen Mode

The software can work in full-screen mode. To switch between windowed-mode and full-screen mode simply double click on the main window.

Software Settings

Settings windows can be opened by clicking on the button, placed on the bottom-right side of the main window.

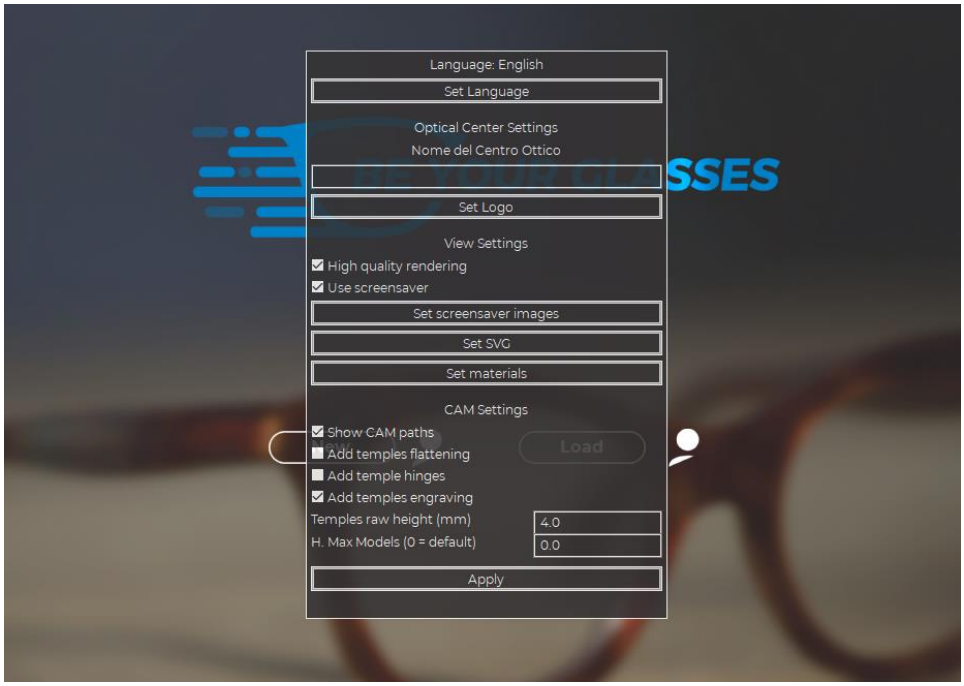


Figure 1: software settings

Language Settings

Software Language can be changed by clicking the “Set Language” button, available languages are Italian, English and French. **To apply language modification the software must be restarted.**

Center Settings

In this section optical center name and logo can be set. These values are shown on the bottom-center side of the main window and in the pdf report. For the logo, we suggest using PNG files with a resolution of 600x400 pixel.

View Settings

In this section rendering visualization is managed.

High Quality Rendering

If selected, the software will show high quality rounded models (see Creator user manual for more information), otherwise squared technical model will be shown. We suggest using low quality rendering only with old PCs.

Figure 2: High quality rendering with rounded glasses and temples.

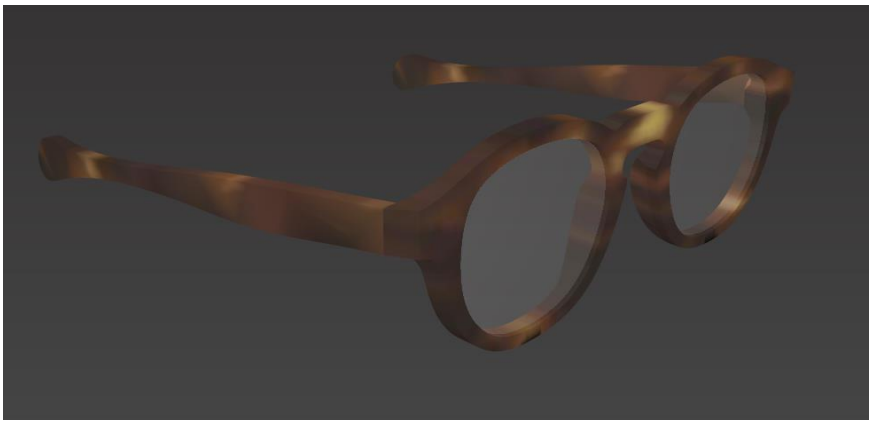


Figure 3: low quality rendering with squared models.

Use screensaver

If the software remains unused for more than 30 seconds, the main screen shows the images inserted in sequence via the "Set screensaver images" function.

Note: The software can enter screensaver mode only if it is set to full screen operation.

Set Screensaver Images

Pressing this button takes you to the "Select Screensaver Images" window.

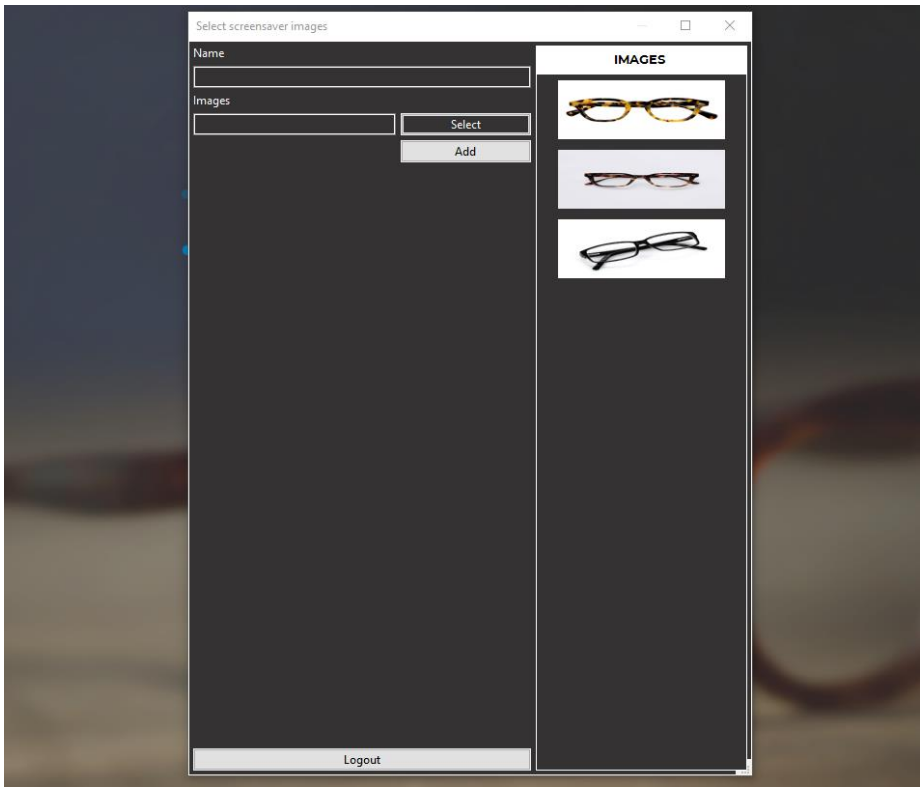


Figura 4: schermata "Aggiungi Immagini Salvaschermo"

In this window you can add and remove images that will be displayed once the software enters screensaver mode.

To insert a new image, fill in the "Name" field and select an image in JPG or PNG format using the "Select" button. For a good screen rendering it is recommended to use images with a resolution of at least 1024x768 pixels.

To remove an image, click on the image in the "Images" list and select "Remove".

Press "Exit" to close the window.

Set SVG

Pressing this button takes you to the SVG file setup screen that can be selected as logos for engravings. In this window you can insert new logos in SVG format and remove/display existing ones.

To insert a new logo, fill in the Name field and select the relevant SVG file by pressing the "Select" button. It is recommended to use SVG files in single-line format to have a good yield during milling.

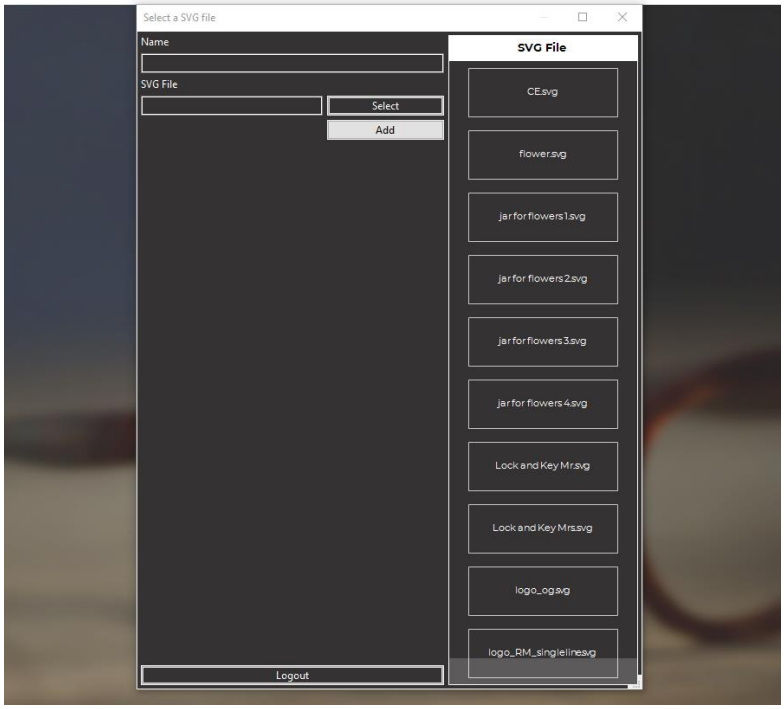


Figure 5: "Select SVG file" screen with logo displayed.

To remove an existing logo press on the name in the list "SVG FILES" and select "Remove". To view an SVG file press on the name and select "View".

To close the window, press the "Exit" button.

Set Materials

When viewing the glasses, you can select the acetate material to display. Pressing the "Set Materials" button takes you to the "Select Material Images" window where you can add and remove materials.

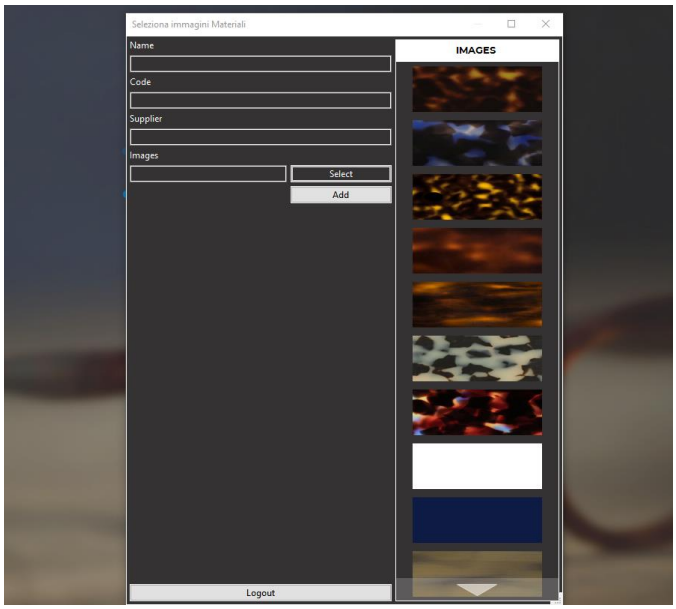


Figure 6: window "Select Material Images"

Materials **must** be JPG files with **a resolution not exceeding 1024x768.**

To insert a new material, fill in the fields "Name", "Code" and "Supplier" ("Code and Supplier" are optional) and select the relevant JPG file by pressing the "Select" button.

To remove a material image, press the relevant image in the "Images" list and select "Remove".

Press "Exit" to close the window.

CAM settings

This section defines the management parameters of the CAM system that generates ISO files for milling glasses and temples.

Show CAM Paths: If selected when Milling Paths have finished processing, you are prompted to access the path simulation window.

Add temples Flattening: If selected, in the temples.iso the path for flattening the temples is included, otherwise an independent file TempleFlattening.iso is generated.

Add temples hinges: If selected, the milling path of the hinges on the temples side is included in the temples.iso file, otherwise an independent TemplesHinges.iso file is generated.

Add Temples Engravings: If selected, the milling path of the engravings on the temples side is included in the temples.iso file, otherwise two independent files are generated: InternalEngraving.iso and ExternalEngraving.iso.

Temples raw height (mm): contains the height of the block used to obtain the temples.

H. Max Models (0.0 default): If this parameter is nonzero, the maximum heights of the glasses' 3D models are limited to the reported value by an algorithmic fitting process.

Insertion of new customer

To enter a new customer, press the "New" button, fill in the "Name" and "Last Name" fields and press the "Confirm" button.

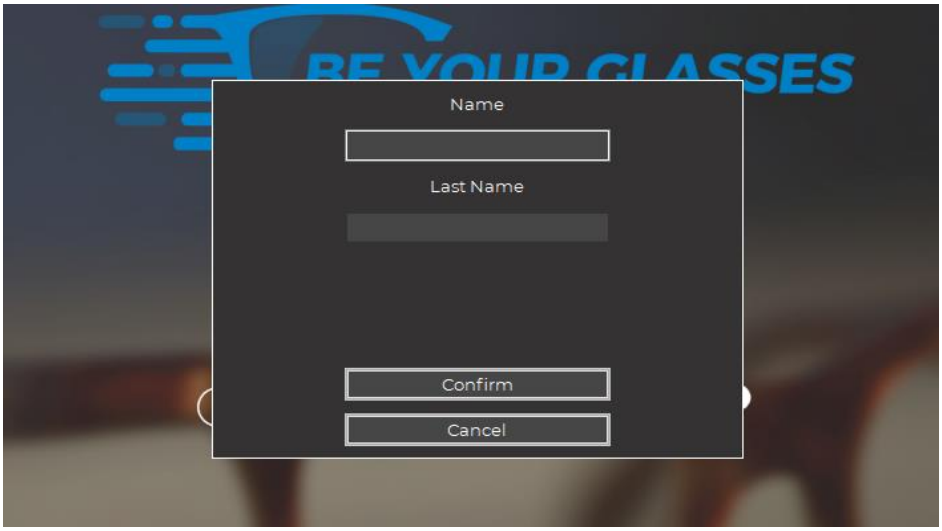


Figure 7: New Customer Insertion

Customer loading

If a customer has already configured glasses, pressing the "Load" button takes you to the customer's selection window.

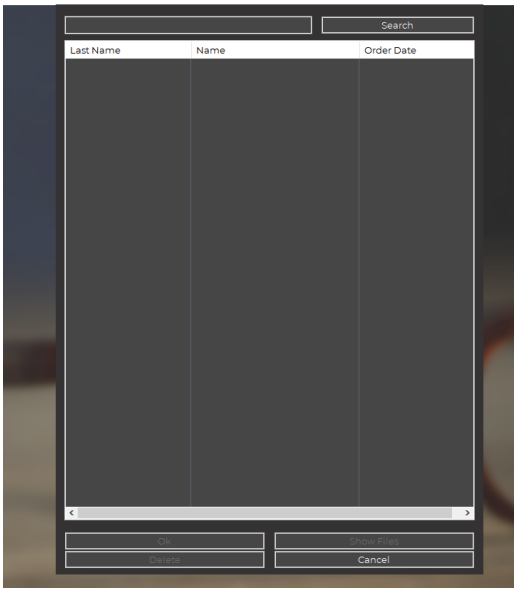


Figure 8: Customer Selection Window

Use the "Search" field by entering the customer's name or surname to update the list. Once the customer has been selected, press "Ok" to load and display the front panel selection screen.

Press "Delete" to remove the customer and "Show Files" to view the ISO files created in the previous configuration.

Front selection screen

After pressing the "Confirm" button, the model selection screen appears. In the list on the left the collections appear, at the bottom the models that make up the collections.

Figure 9: Front Selection Screen

If you have more than two collections, you can drag the list of collections by holding down the left mouse button to view the next collections.

If the collection contains more than 9 templates, you can drag the list of templates by holding down the left mouse button to display the next models.

Once the model is selected, press the button ✓ to access the rod selection screen.

Press the button ↩ to return to the home screen.

Pressing the button takes you to the material selection window, where you can select the material to be displayed, the color of the lenses, the type of lens and the color of the engravings. Once you have changed these parameters press "Update" to apply the changes and update the rendering of the glasses.

The rendering of the front can be rotated freely by holding down the right mouse button and moving the pointer left or right. Holding down the left mouse button and pointing up or down changes the zoom.

At the top there are 5 buttons with the following functions:

	Rotate view clockwise
	Rotate view counterclockwise

	Zoom In
	Zoom out
	Set the render location to the default

Temples selection screen

Once you have selected the front model, you will access the temples selection screen.

To select a new temple, press on an image from the list below. If there are more than 8 temples, you can drag the list by holding down the left mouse button to view the next rods.

Figure 10: temples selection screen

The button ↩ allows you to return to the front selection screen.

Pressing the button ✓ takes you to the front parameter setting screen.

The top 5 buttons have the same functions as the front selection screen.

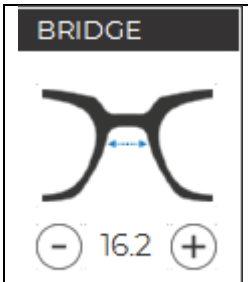
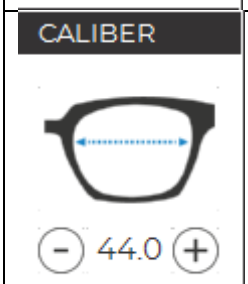
Glasses setup screen

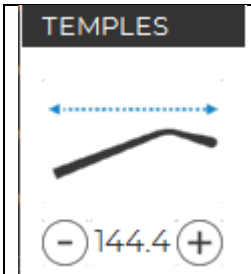
Once you have selected the front and the temples, you access the eyewear configuration screen.

Figure 11: Glasses Configuration screen

In this screen you can change the size of the bridge, the caliber and the length of the temples, as well as define the incisions.

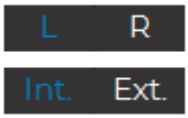
Modification of bridge, caliber and length of temples

	By pressing the + button the bridge is incremented by 1mm. By pressing the button – the bridge is decremented by 1mm. By pressing on the current value, you can enter the desired value manually. After each change, the rendering is automatically updated, and the glasses show exactly the measurements set.
	By pressing the + button the caliber is incremented by 1mm. By pressing the button – the caliber is decreased by 1mm. By pressing on the current value, you can enter the desired value manually. After each change, the rendering is automatically updated, and the glasses show exactly the measurements set.

	By pressing the + button the length of the temples is increased by 2mm. By pressing the button – the length of the temples is decreased by 2mm. By pressing on the current value, you can enter the desired value manually. After each change, the rendering is automatically updated, and the glasses show exactly the measurements set.

Engraving Management

You can define a text and a logo for each seat of each rod.

Using the buttons  one can select the temples and seat for which to define/edit the text and logo. In Blue, the selected configuration is highlighted (in this case the left temple, internal seat, is selected).

Note: Only the selected engraving is displayed in the rendering.

Logo setting

Once you have selected the dipstick and the location using the button , you access the Logo setting window.

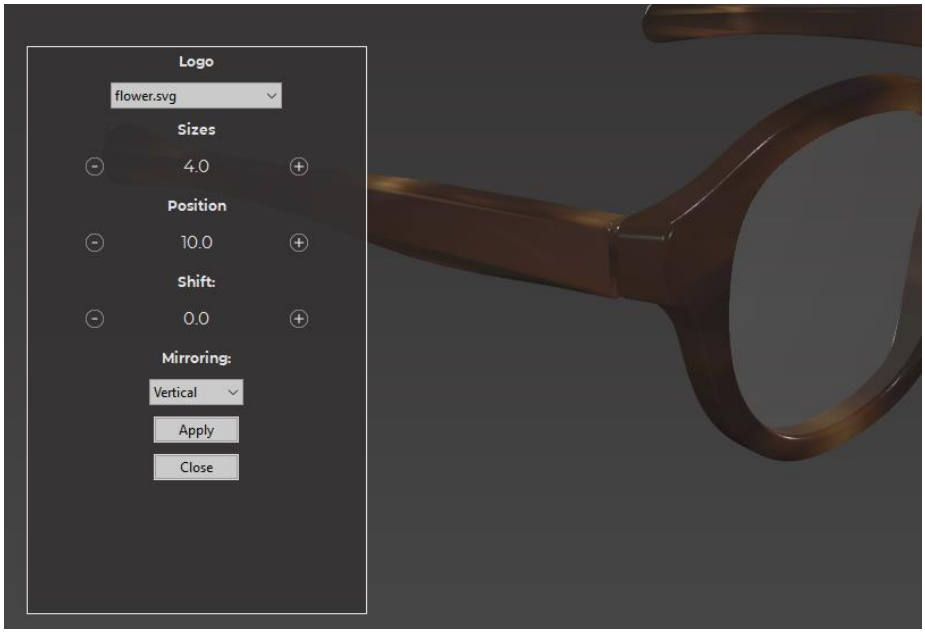
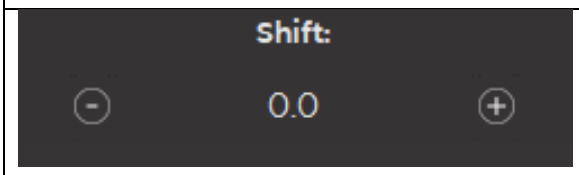
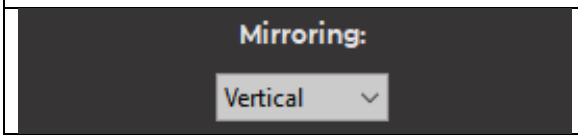


Figure 12: Setting the logo

Using the drop-down menu, you can select the logo among those previously inserted via the "Add SVG" function of the settings panel.

	Setting the logo size in mm. By pressing on the value, you can enter the value manually. Using the + and – buttons the size is incremented / decreased by 0.5mm

	Setting the position of the logo relative to the edge of the rod. By pressing on the value, you can set the value manually, using the buttons + and – the position is incremented / decremented by 1mm
	Setting the vertical position of the logo relative to the center of the rod edge. By pressing on the value, you can set the value manually, using the buttons + and – the position is incremented / decreased by 0.5mm
	Setting of any mirror of the logo. The logo can be mirrored horizontally, vertically or in both directions.

With each change, the eyewear rendering is automatically updated.

Setting up text

The button leads to the configuration panel of the text to be engraved on the temple.

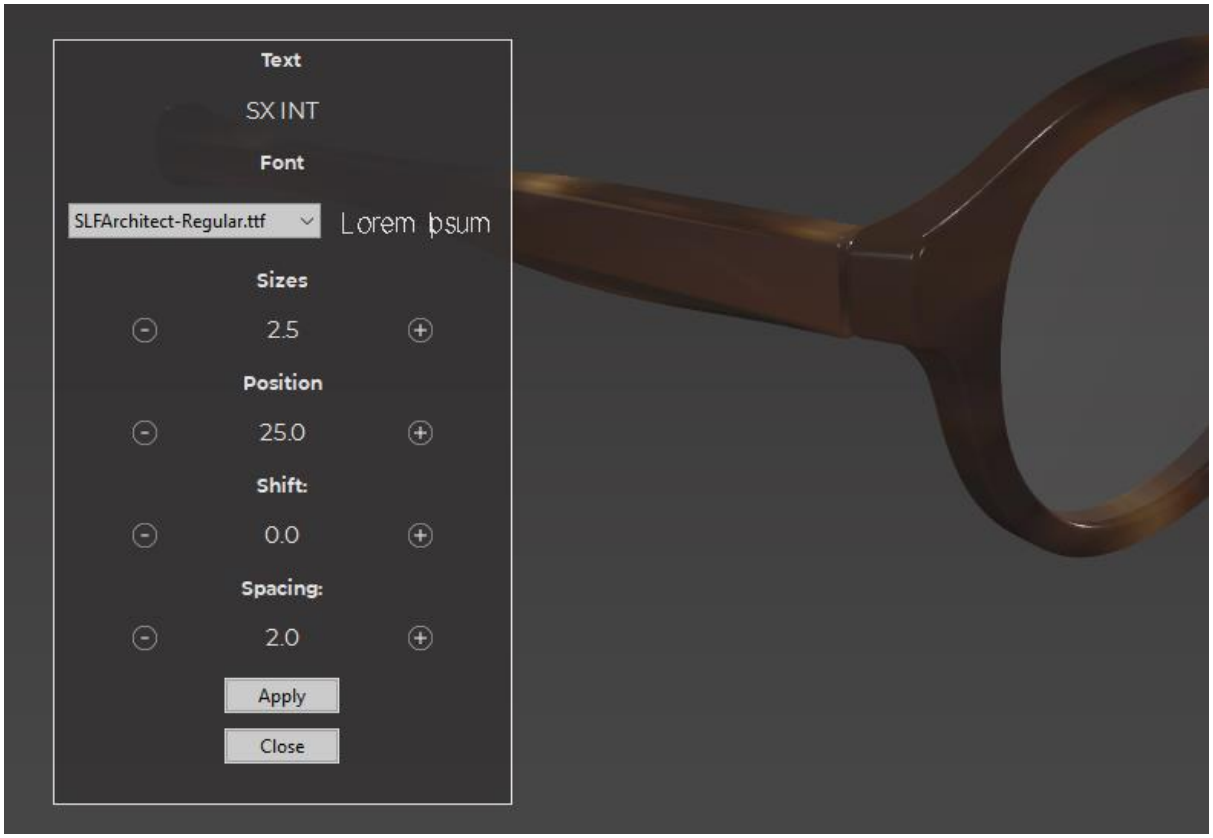
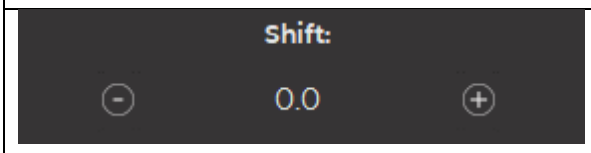


Figure 13: Setting text for engravings

	Setting the text of the engraving. To edit the text press on the text itself and edit it.

	Font selection. Use the drop-down menu to change the font The preview of the selected font appears on the right.
	Text size in mm. Use the buttons + and – to increase/decrease the size by 0.5mm. Select the value to manually enter the desired size.
	The position of the text in mm relative to the edge of the rod. Use the + and – buttons to increase/decrease the position by 1mm. Select the value to manually enter the desired location.
	The vertical position of the text in mm relative to the center of the edge of the rod. Use the + and – buttons to increase/decrement the position by 0.5mm. Select the value to manually enter the desired location.
	Spacing between characters in tenths of mm. Use the + and – buttons to increase/decrease the spacing by 0.05mm. Select the value to manually enter the desired spacing.

Each time a parameter is changed, the rendering is automatically updated.

Using the button you can save the currently set engravings and use them as default settings. All subsequent glasses will have these incisions set automatically.

The navigation buttons at the top have the same functions as in the paragraph on the front selection screen.

The button takes you to the technical display screens of the parameters of the glasses and temples.

Press the button ✓ to access the summary screen.

Press the button ↩ to return to the temple selection screen.

Figure 14: Technical visualization of the glasses

Figure 15: Technical visualization of the temples

Summary screen

Once the glasses have been configured, the summary screen is accessed where the glasses complete with all the engravings are displayed.

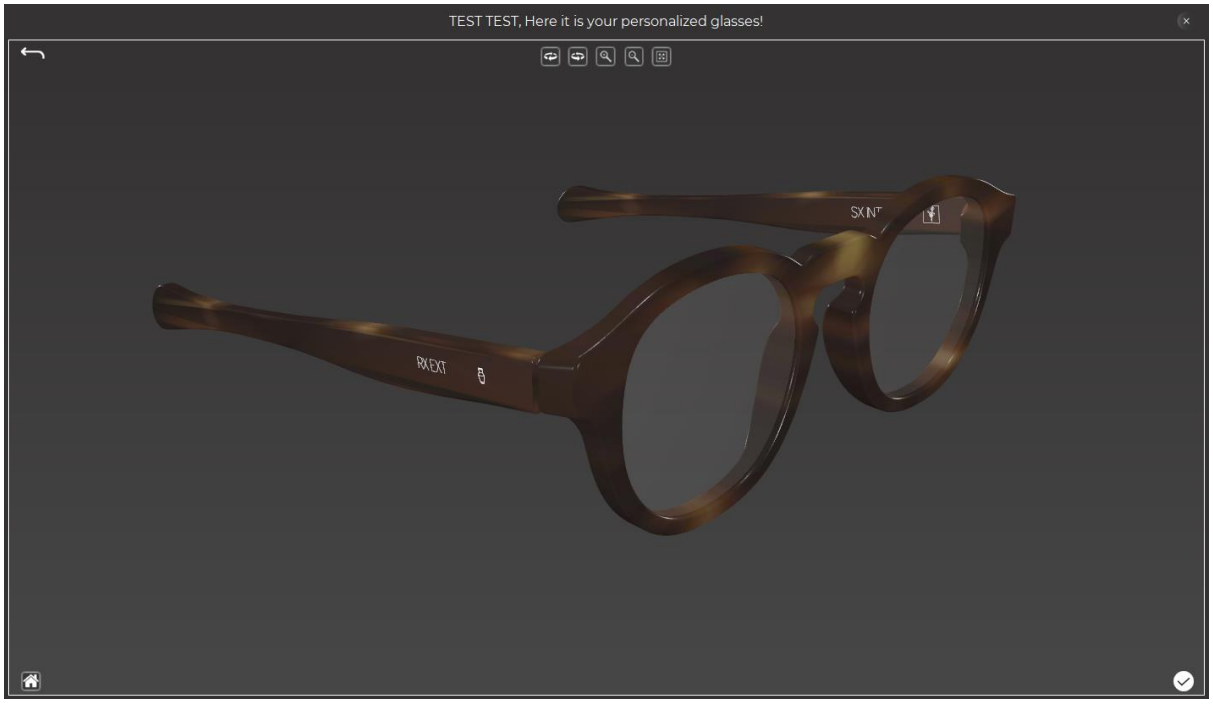


Figure 16: Summary Screen

By pressing the button ✓ starts the order confirmation. You are prompted for any notes to be added to the order, after which the milling path calculation process starts.

Figure 17: Calculating Milling Paths

At the end of the calculation of the routes, the folder containing all the iso files necessary for milling and the pdf file summarizing the order are displayed.

The following files are generated:

xxxx_XX_YY_temples.iso -> temples milling path

xxxx_XX_YY_templeshinges.iso -> milling path of the hinges of the temples (this file is generated if the CAM parameter "Add Hinges Milling" is not set);

xxxx_XX_YY_mushrooms.iso -> mushroom milling path.

xxxx_XX_YY_lens.iso -> lens milling path.

xxxx_XX_YY_meniscus.iso -> milling path of the meniscatrice;

xxxx_XX_YY_glasses.iso -> milling path of the front.

xxxx_XX_YY_templeFlattening.iso -> path of flattening of the rods (this file is generated if the CAM parameter "Add Rod Flattening" is not set);.

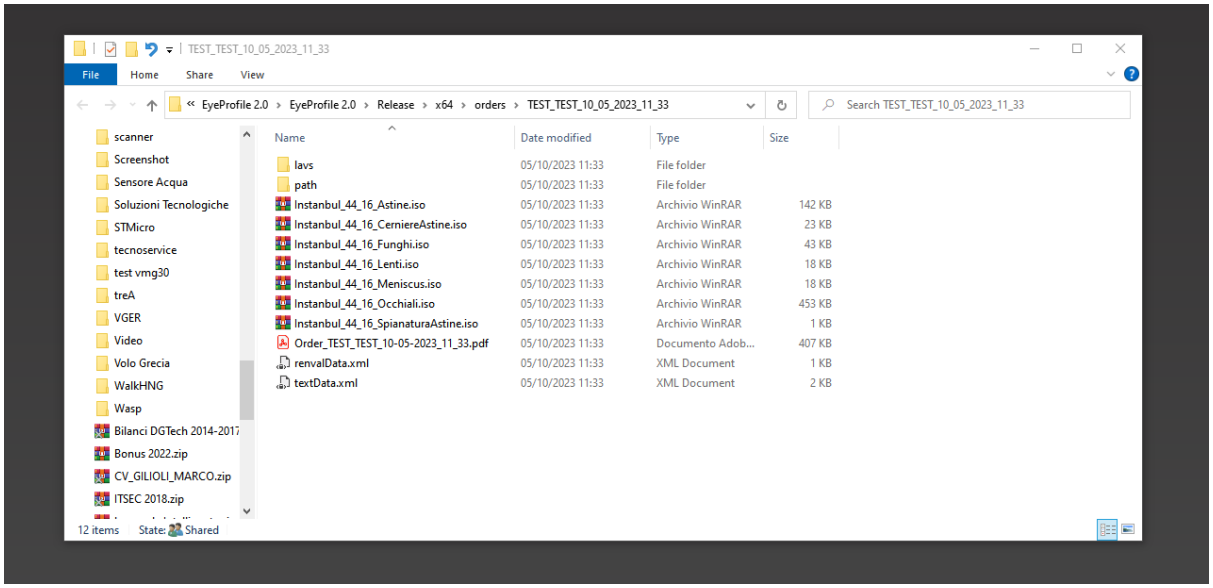


Figure 18: ISO file display for milling

The report file Order_XXXX.pdf shows all the technical parameters of the glasses and the definitions of the engravings.