



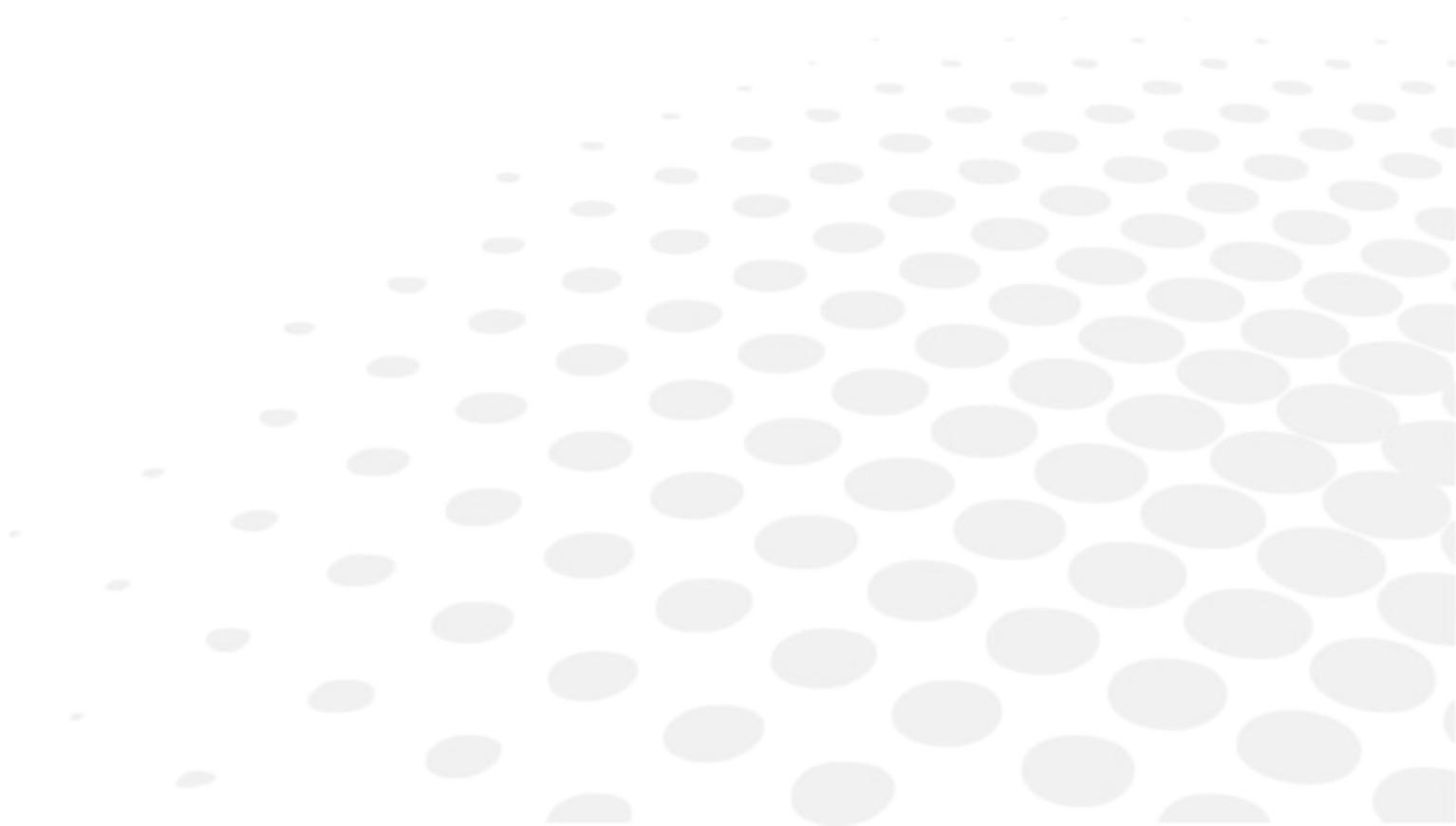
User Manual

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I. FIRST STEPS



This chapter contains all the information you will need to start using the Essibox:

- Working environment
- Essibox usage
- Essibox printing
- Essibox, Internet and guides

1. WORKING ENVIRONMENT

The computers in the store that the Essibox applications are used on (up to 5 simultaneous users), must be equipped with:

- Windows XP, 7, 8 or 10 operating system.
- Google Chrome or Microsoft® Internet Explorer browser.



The M'eye Sign feature does not function with Internet Explorer.

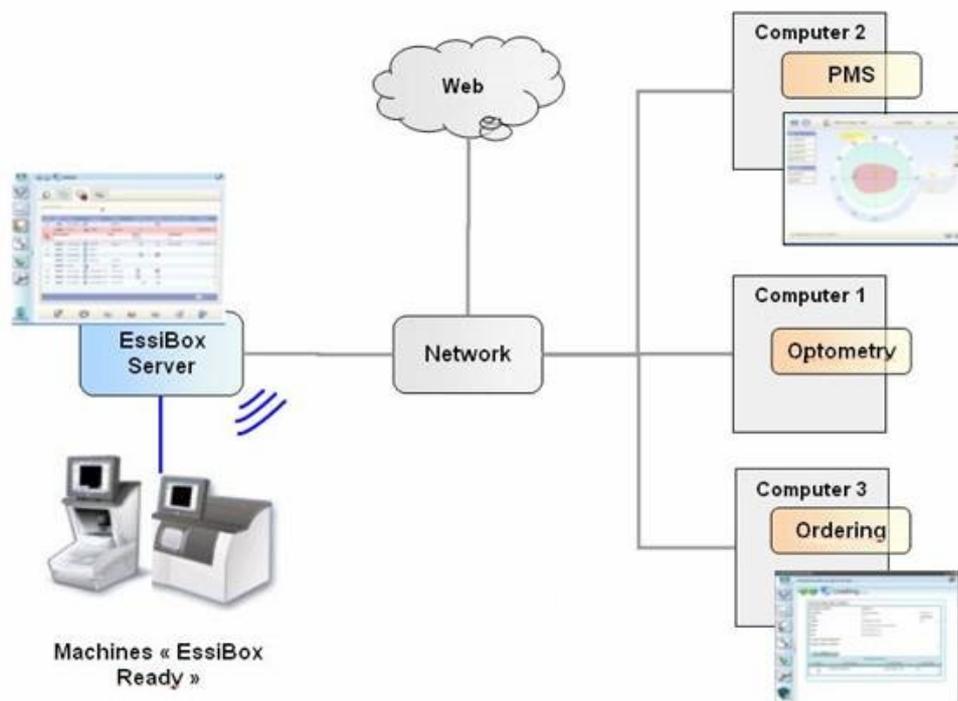
The store must have:

- a permanent and functional ADSL connection.
The Essibox architecture must be able to connect to this connection in order to access the internet and allow the operation of the platform;
- a local ethernet network.

2. ESSIBOX USAGE

Essibox is made up of various modules, usable regardless of the store configurations:

- Use from the server workstation by adding a keyboard/screen: a workstation is in the Workshop or in the vicinity
- Use from an existing workstation in the store: remote access to the Essibox applications



All the existing workstations in the store can have a connection with Essibox; besides the server, four people can use the Essibox functions at the same time.

Example: shape modification on post 1, an update of the edger's memory on post 2.

It is not necessary to install anything on the workstation as long as this station uses Microsoft® Internet Explorer or Google Chrome.

The link to be entered is: `http://essibox_server`

Essibox has 4 functions:

- Define a job (including the tools for shape modification or the libraries)
- Follow the Multi-site exchanges
- Share with the Essilor support
- Apply an memory update to the edger: the edge does not start the update as long as a job is in progress



It is possible to work on the same job from several workstations: the saved data will be that was validated the last time.

The pages open on Essibox may be too large or too small, that is due to the local resolution of the workstation.

It is possible to increase or decrease the sizes of the displays via the keyboard: Ctrl key + mouse scroll:

- A scroll to the top increases the size of the typeface and the pages.
- A scroll to the bottom decreases the size of the typeface and the pages.

3. ESSIBOX PRINTING

The printed workshop document shows all of the data of the wearer and the job and contains barcodes allowing this job to be called up on any component (edger, tracer, Essibox) equipped with a barcode reader.

a. Settings

Configuration 1

For printing from the Essibox server, you must have at least:

- A computer equipped with Windows (Xp, Vista, etc.) and an upgraded Internet Explorer browser.
- The script installed by Essilor on your computer that allows printing.
- A printer connected to this computer (via a network or USB port).
- An Essibox connected to the same network as the computer.

Configuration 2

For printing from another computer connected to the Essibox multi-post server, you must have at least:

- A computer equipped with a web browser.
- A printer connected to this computer (via a network or USB port)
- An Essibox connected to the same network as the computer.

b. Use

Once your job has been created, you have the option of printing it.

- 1 Click on the "workshop document" icon on the bottom right of the Essibox interface.



- 2 If the workshop document suits you, you can print it by clicking on the printing icon on the bottom right of the Essibox interface (document with a magnifying glass).

ICS 64 bis Avenue Aubert 94300 VINCENNES		TSTCLIP	
Notes :			
Date de visite		Livraison souhaitée	Date de livraison
Cil droit			
Sphère	Cylindre	Axe	Addition
Prisme	Axe	Diamètre minimum	
		48.60 mm	
Vision : Inconnue		Diamètre	
Matériau : Inconnue			
Monture : Essilor / Mr Blue Blocker / 052141 / TSTCLIP			
Type de montage : Plastique			
Pd VL	Pd VP	H	D
			23.37 mm
A		B	
45.58 mm		39.37 mm	
Biseau / Automatique		Biseau / Automatique	
Cycle d'usinage :		Cycle d'usinage :	
Chanfrein face avant : 0.2 Fin		Chanfrein face avant : 0.2 Fin	
Chanfrein face arrière : 0.2 Fin		Chanfrein face arrière : 0.2 Fin	
Polissage : Pas de polissage		Polissage : Pas de polissage	

Cil gauche Echelle: 118 mm Cil droit

- > Nothing happens but that is normal.

The document that you asked to print out is sent to the computer connected with the Essibox (on which the scripting was installed); the print job will be loaded onto this computer.

In the event of a problem:

If printing does not start, check:

- the communication enters the Essibox and your computer.

- that the printer is operating correctly.
- that it is selected as the default printer.

To configure a default printer (in Windows XP):

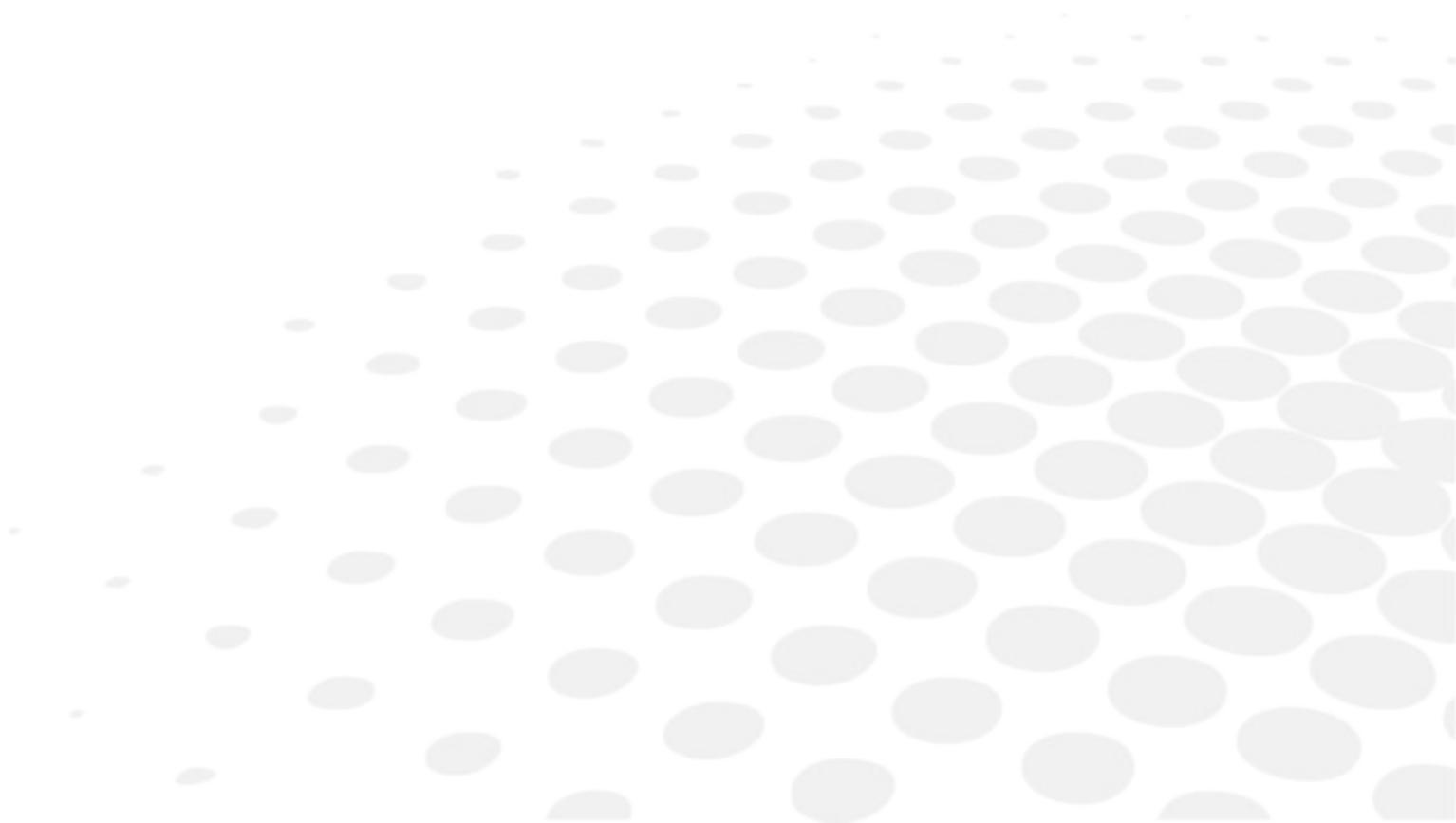
- click on "start" then on "Printers and fax machines"
- rightclick on the selected printer and left click on "Set as default printer".

4. ESSIBOX, INTERNET AND GUIDES

Essibox is a secure platform, prohibiting internet browsing when it is not validated.

At each change of address (going from a site to another, via the internal links), a password is requested. If the person in charge of the store judges this site to be valid, the redirection towards a new address is authorized (entered only once).

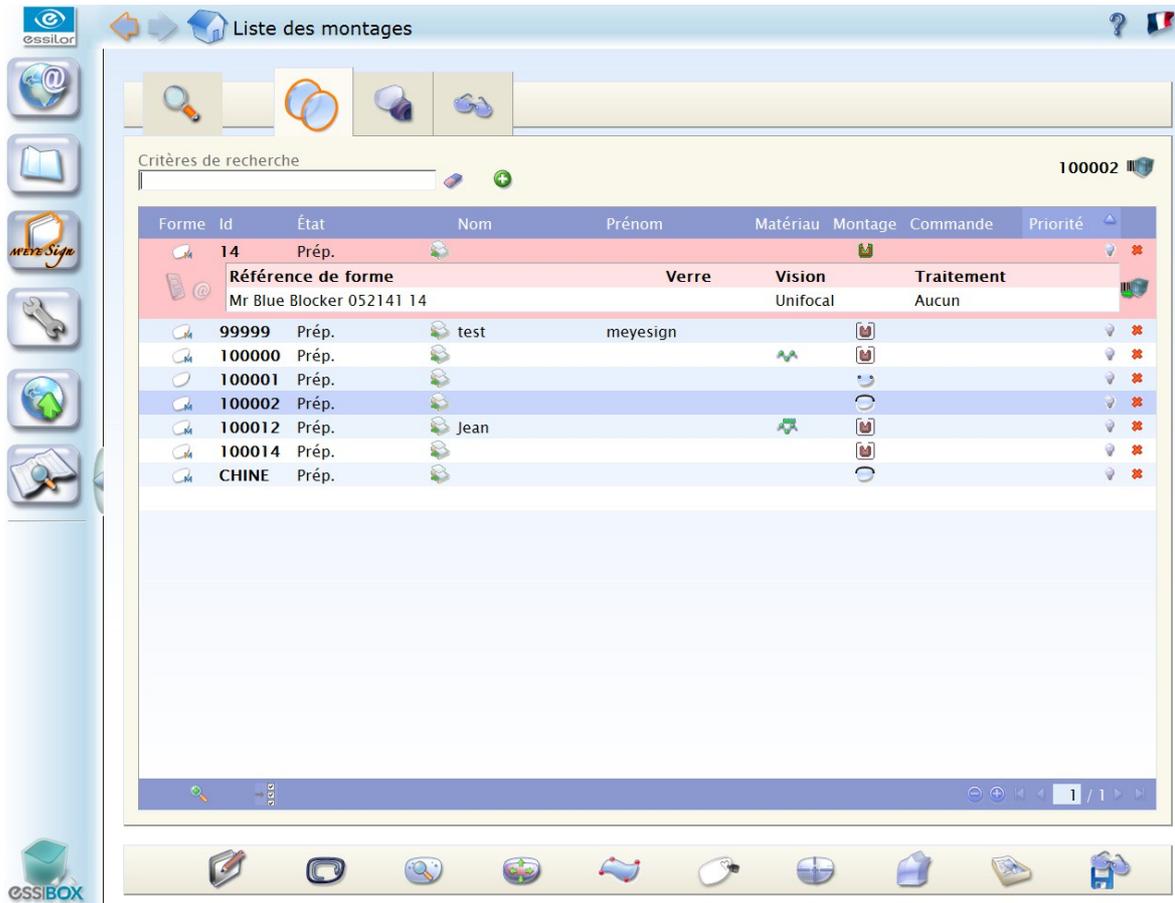
II. JOBS



1. THE DEFINITION OF THE JOBS IN ESSIBOX

The definition of Essibox jobs is the part where you:

- Create and use your jobs, from the acquisition of the frame up to the delivery of the equipment to the Customers.
- Easily edit all of your jobs with ten functions.



Each one of these ten functions has a defined role:

-  Job editing
-  Shape tracer
-  Shape libraries
-  Shape modification
-  Creative curving
-  Engravings
-  Drilling editor
-  Finishings

-  Workshop document
-  Export to the customer library and/or OpsysWeb

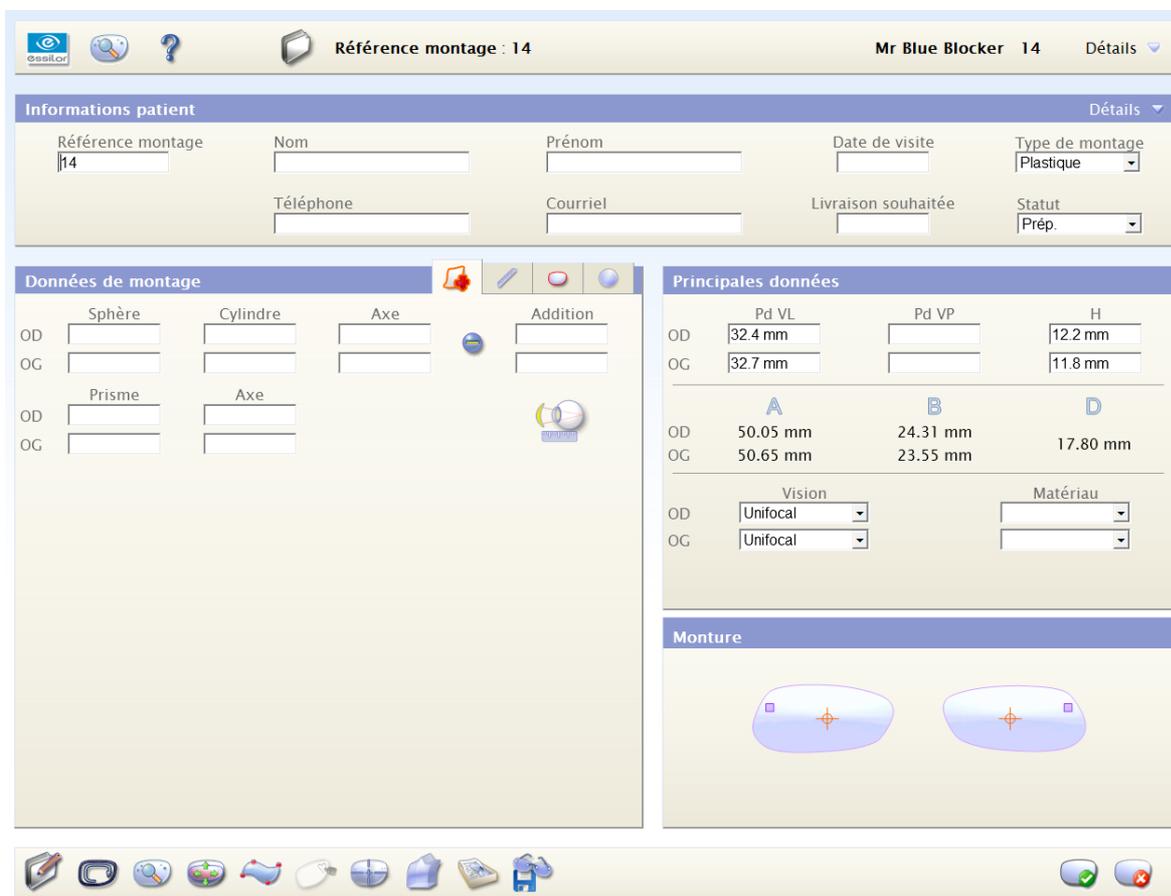
a. Job editing

This editing module allows you to create or edit (import from the control software) the data relating to the wearers and their equipment.

To edit a job, it must be selected beforehand.

When no job is selected, this module can create one.

This function is available only on the "In preparation" tab.



The screenshot shows the 'Essibox' software interface for editing a job. The window title is 'Référence montage : 14' and 'Mr Blue Blocker 14'. The interface is divided into several sections:

- Informations patient:** Fields for 'Référence montage' (14), 'Nom', 'Prénom', 'Date de visite', 'Type de montage' (Plastique), 'Téléphone', 'Courriel', 'Livraison souhaitée', and 'Statut' (Prép.).
- Données de montage:** Fields for 'Sphère', 'Cylindre', 'Axe', 'Addition', 'Prisme', and 'Axe' for both OD and OG.
- Principales données:** Fields for 'Pd VL', 'Pd VP', 'H', 'A', 'B', and 'D' for both OD and OG. 'Vision' is set to 'Unifocal' for both OD and OG. 'Matériau' is also set to 'Unifocal'.
- Monture:** A visual representation of the glasses with red crosshairs on the lenses.

A toolbar with various icons is located at the bottom of the window.

Job reference

If the job comes from a store management or order taking software, the reference in Essibox will be that of this software.

If concerns a creating a job, Essibox has its own counter ensuring the uniformity of the jobs (start-up at 10,000, automatic increment).

- The username can be changed manually;
- The username can be composed of up to 15 alphanumeric characters;
- The accepted characters are: ab... Z; AB... Z; 012... 9; - (dash); . (period); [space].

The first and last name of the wearer allow you to search jobs via the filtering tools.

Job tracking

The calendars (which appear when you click on an area where you must indicate a date) allow you to quickly and more easily search the desired visit and delivery dates.

The desired delivery date determines, in the job management tabs, the priority of this job: current date vs delivery date.

Job status

The drop-down status list allows you to manually change the state of your job.

The function of sending an SMS or e-mail to wearers in order to inform them that their equipment is ready is active only if one phone number or an address e-mail is entered.

Description of the tabs

"Regulation" tab

This tab allows you to enter the wearer's prescription information.

Cylinder conversion

The "+/-" icons is used to convert the positive cylinder into a negative cylinder and vice versa.

By default, the cylinder is positive.

Addition

The entry of an addition is not related to the selection of a progressive lens.



Importing of refraction data

This module allows you to import already existing refraction data.

See the list of the systems interfaced with Essibox.

"Measurements" tab

This part allows you to indicate measurements which you took of your customers, in particular the pupillary distances and job heights, but also data related to the frame (pantoscopic angle, lens-eye distance...).

Données de montage

	Pd VL	Pd VP	H
OD	<input type="text" value="32.4 mm"/>	<input type="text"/>	<input type="text" value="12.2 mm"/>
OG	<input type="text" value="32.7 mm"/>	<input type="text"/>	<input type="text" value="11.8 mm"/>

Comportement Visuel

	Angle pantoscopique	Distance verre-œil	Distance CRO
OD	<input type="text"/>	<input type="text"/>	<input type="text"/>
OG	<input type="text"/>	<input type="text"/>	<input type="text"/>
Monture	Inclinaison de lecture	Galbe	Angle de cap de la tête
	<input type="text"/>	<input type="text"/>	<input type="text"/>
Personnalisation	Initiales	Ratio tête-œil	Stabilité
	<input type="text"/>	<input type="text"/>	<input type="text"/>
Personnalisation	Œil Directeur	Longueur de progression	Distance de lecture
	<input style="border-bottom: 1px solid #ccc; border-top: 1px solid #ccc; border-left: 1px solid #ccc; border-right: 1px solid #ccc;" type="text"/>	<input type="text"/>	<input type="text"/>

Job heights

Essibox can be configured in a boxing (by default) or Datum toolkit in order to be in conformity with the store's centering system.

Pupillary distances

Depending on the type of lens, there are far vision (progressive, unifocal) or near vision (bitrifocaux...) pupillary distances, which are transmitted to the centering device.

Customization data can be imported or entered for the comprehensive tracking of the folder.



Import measurement data

This module allows you to import already existing refraction data from Visioffice or M'eye Fit.

"Frame" tab

You find in this tab the data of the edged lens, i.e. dimensions A, B and R (automatically when you performed a feeling of the frame or selected a shape in the library).

You can indicate the curve, the thickness of the frame and the bridge.

Dimensions A and B are provided during the frame acquisition.

The D-dimension can be entered.

Données de montage			
	A	B	D
OD	50.05 mm	24.31 mm	<input type="text" value="17.80 mm"/>
OG	50.65 mm	23.55 mm	
Monture			
	Base	Galbe	Épaisseur monture
	<input type="text" value="5.25 δ"/>	<input type="text" value="3.80 °"/>	<input type="text" value="1.70 mm"/>

“Round lens” tab

This space applies the data of the lens as ordered.

You can specify lens and the manufacturer names, more technical information about the lens (base unit, index, material and diameter) as well as information for progressive lenses (cross distance, length of the progression corridor, decentration).

The physical diameter of the lens and the marking data are important data as soon as shape modifications are undertaken: they are used to validate the choice of a lens with respect to a shape and vice versa.

Données de montage

Nom du verre

Fabricant du verre

	Base verre	Indice	Matériau	Diamètre
OD	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
OG	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Description PAL

Distance croix / PRP (A)

Longueur du couloir de progression (B)

Décentrement VP (C)

Physical diameter of the lens

By default, the diameter is 75.0 mm.

PAL Description

the markings are systematically visible when the lens is a "Progressive" type.

The default values (used if not entered) are:

- Cross distance/PRP (A): 4.0 mm
- Length of the progression corridor (B): 18.0 mm
- NV Decentration (C): 2.5 mm

b. Acquisition of shapes and drilling

This module allows you to carry out a shape or drilling acquisition and to pair them with a selected job.

On your machine

1 Carry out the frame acquisition from your Essibox Ready tracer.

- > The acquired shape is automatically sent to Essibox.

On the Essibox

- 1 Select the job to be associated with the acquired shape.
- 2 Re-enter it in the "Acquisition" module.
- 3 Select from the list the shape sent by the machine.
- 4 Exit by confirming.
 - > Your job and the shape are paired.

To find a shape more easily, you can filter the data by clicking on the column headings.

The filter keys are:

- Identity of the tracer (name and serial number);
- Date/time of shape acquisition;
- Tracing reference number (reference entered on the tracer, or assigned by barcode).

There is only one tracing for the same reference.

You can remove a shape by clicking on the red cross found at the end of the line.

c. Shape and drilling search

This module allows you to access the shape libraries created by the store.

The user can select an existing model or create new ones from a mixture of patterns and drillings from different origins.

The screenshot displays the 'Référence montage : 14' window in the Essibox software. At the top, there are navigation icons and the user name 'Mr Blue Blocker 14'. Below this is a search bar with 'Critères de recherche' and a dropdown menu for 'Librairie' set to 'Choisir une librairie'. A search filter '14' is entered, and there are checkboxes for 'Avec perçages' and 'Sans perçages'.

Librairie	Fabricant	Marque	Collection	Modèle	Gabarit	Pont	Cote B	Branche
Essilor	ADIDAS	SILHOUETTE	adidas sunglasses	AH30	61	14.00	46.55	✕ →
Essilor	ADIDAS	SILHOUETTE	adidas lite fit	A675	50	18.00	31.14	✕ →
Essilor	ADIDAS	SILHOUETTE	adidas Adapters and Inserts	A714	48	22.00	34.87	✕ →
Essilor	ADIDAS	SILHOUETTE	adidas Adapters and Inserts	A514	57	17.00	35.59	✕ →
Essilor	ADIDAS	Silhouette	adidas sunglasses	A414	64	12.00		✕ →
Essilor	ADIDAS	Silhouette	adidas sunglasses	A409	61	14.00		✕ →
Essilor	ADIDAS	Silhouette	adidas Lazair	AF14	54	19.00		✕ →
Essilor	ADIDAS	Silhouette	adidas Lazair	AF14	52	19.00		✕ →
Essilor	Aquafrance	Titon	Titon	8924	52	20.00	30.08	✕ →
Essilor	Chamborelle	Chamborelle	Chamborelle	11403	53	18.00	32.61	✕ →

Below the table, there is a 3D visualization area titled 'Monture sélectionnée' showing two views of a selected shape. To the right, it says 'Perçages sélectionnés'. At the bottom, there is a toolbar with various icons for navigation and editing.

The shape libraries are primarily intended for the management of the nylor and drilled jobs. Nevertheless, the user can choose to make libraries for rimmed frames.

There are two types of libraries made available to the optician:

- The libraries provided by Essilor and qualified on the Essilor machines are intended to be used as a model: their use remains at the discretion of the Optician (performed with Sphere +1 powers);
- The library made by the store: see the shape backup (☞ p.19).

Search engine

It is possible to search for shapes by (in addition to the filter on the columns):

- Manufacturer/Brand/Collection name
- Model
- With or without drillings

	<p>"Drilling and shape selection" Mode</p> <p>Allows you to select the paired shape and drilling if they exist.</p>
	<p>"Shape selection" Mode</p> <p>Allows you to preserve selected drillings and to modify only the shape.</p>
	<p>"Drilling selection" Mode</p> <p>Allows you to preserve the selected shape and to modify only the drillings.</p>
	<p>"Decorative drilling addition" Mode</p> <p>Allows you to add a decorative drilling i.e. a drilling that does not have any impact on the centering of the lens.</p>

In order to more easily find the shapes and drillings which you need, you can filter the choices by clicking on the column headings.

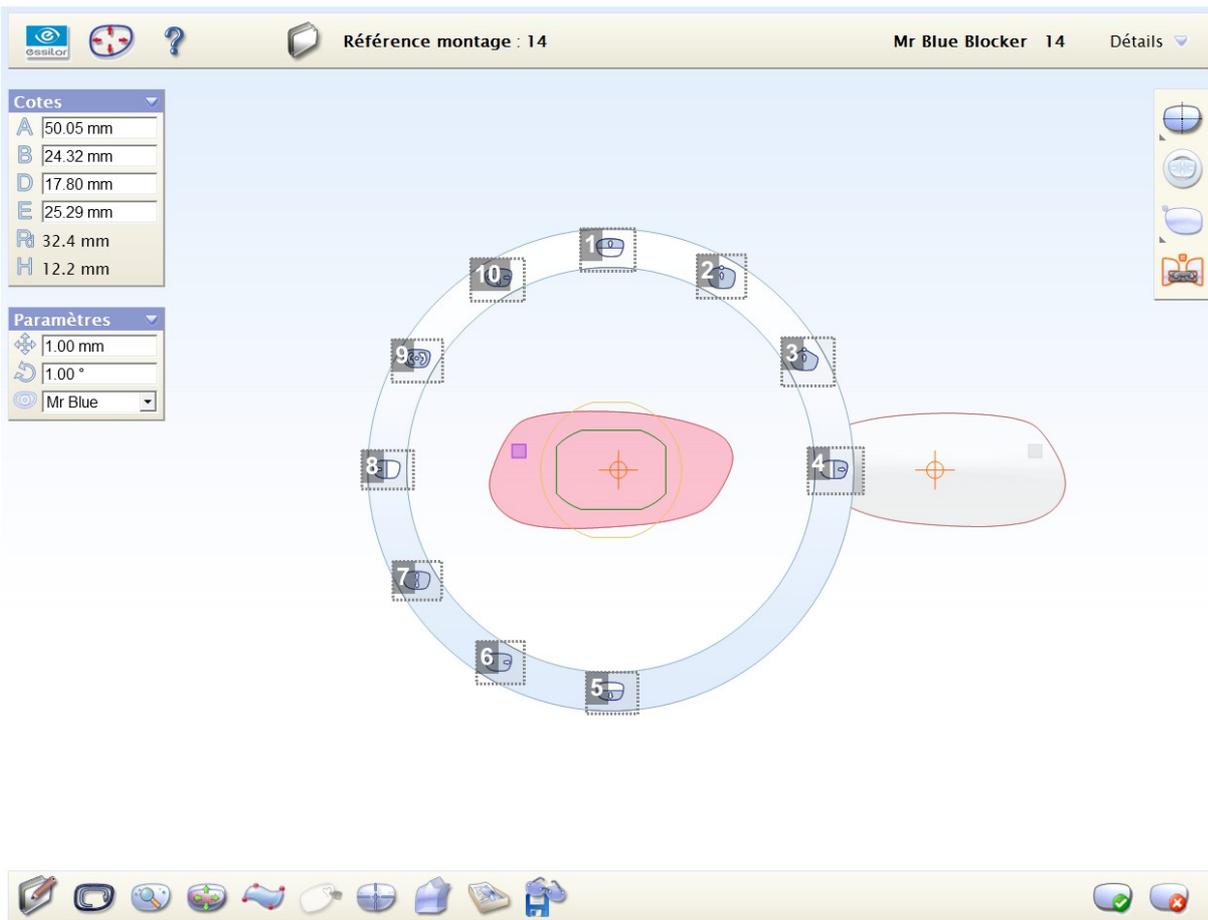
You have two principal libraries: the one from Essilor and the one from the store made up of your own work. The first one allows you to use a certain number of pre-entered shapes and drillings, the second one contains the data which you save yourself.

You can remove shapes and drillings by clicking on the red cross at the end-of-line only if the data comes from your library.

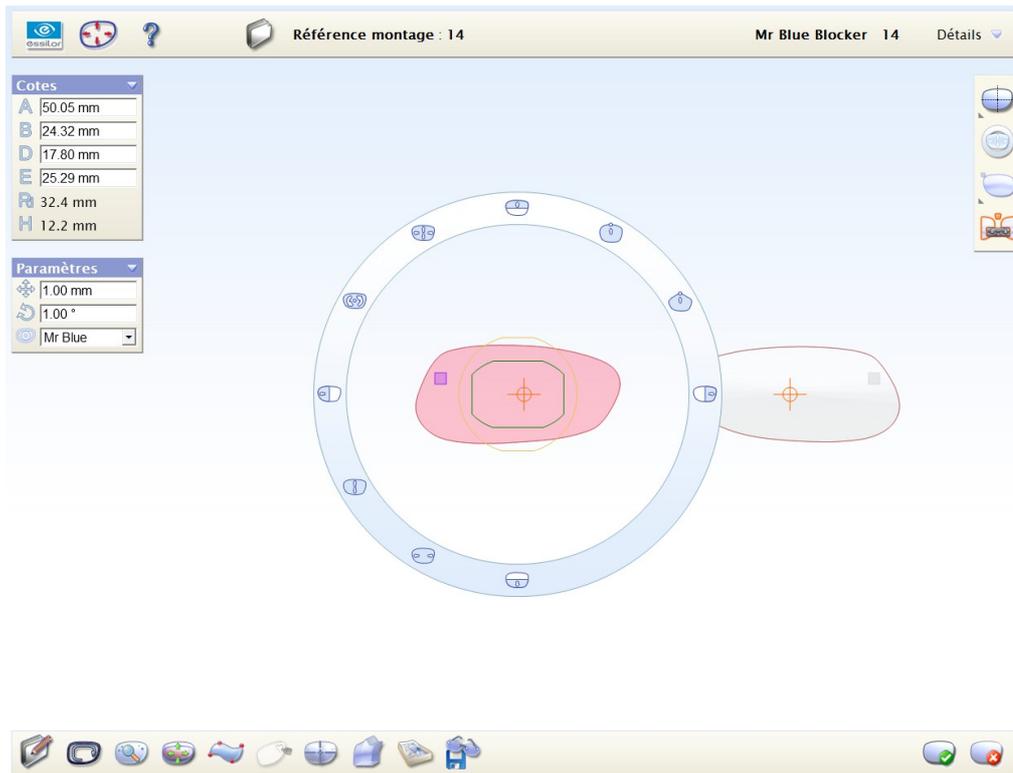
d. Shape modification

This module allows you to obtain single models from basic shapes by using different shape modification tools.

Shape modification



1.  : Shaping according to upper B-dimension half
2.  : Smooth, point-by-point shaping (all of the moved points)
3.  : Sharp, point-by-point shaping (a point moved top)
4.  : Shaping according to right A-dimension half
5.  : Shaping according to inner B-dimension half
6.  : Shaping according to A-dimension
7.  : Shaping according to B-dimension
8.  : Shaping according to the left A-dimension half
9.  : Lens rotation
10.  : Proportional shaping



To create the desired shapes, several solutions are suggested:

If you already know the desired dimensions, use the dimensions entry window on the left.

Exiting the entry zone, and taking into account the data is done by clicking on a new area or tab.

Job heights are modified automatically while taking account of the centering mode: Datum or Boxing (by default mode).

It is possible to work on the right eye or the left eye.



: You work on the right eye



: You work on the left eye

By default, you work in symmetry mode.



: Make symmetrical: Apply the modifications carried out on a lens to the other lens.

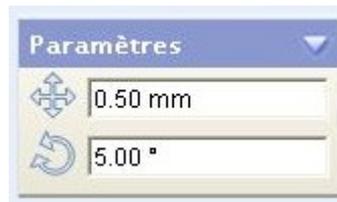


: Symmetry/No symmetry.



The lens which is used as a reference for the symmetry is the one which is displayed.

You can modify the shape settings:



- by increasing or by decreasing the step: you enlarge or narrow your shape with more or less precision (in mm).
Minimum: 0.1 mm
- by modifying the value of the axis: you carry out a more or less full rotation of your shape.
Minimum: 1°

e. Creative shaping

This module allows you to propose to your customers original lens shapes.



The user must ensure that the reproduced shapes are not copyrighted.

The edged lenses are only intended to correct visual acuity and must not have any other use.

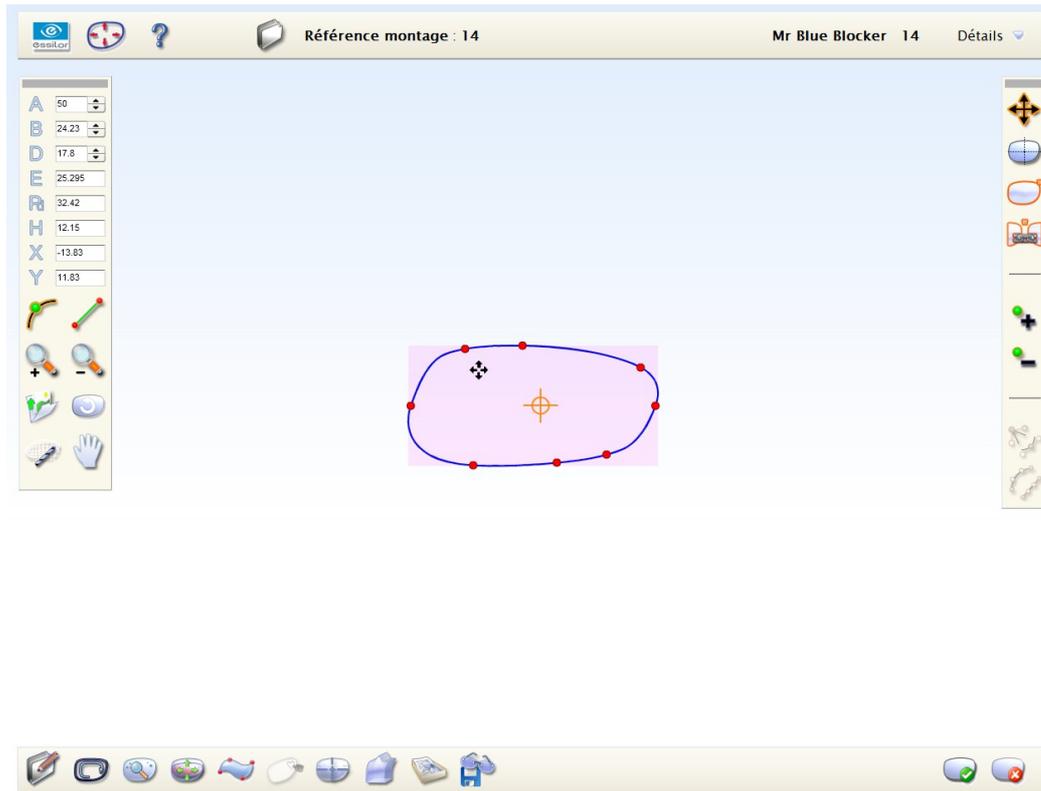
The optician must inform the patient that wearing lenses with creative shapes must be compatible with the activity of the patient/final customer.

The optician must ensure that wearing the glasses is not harmful to the user.

Vocabulary

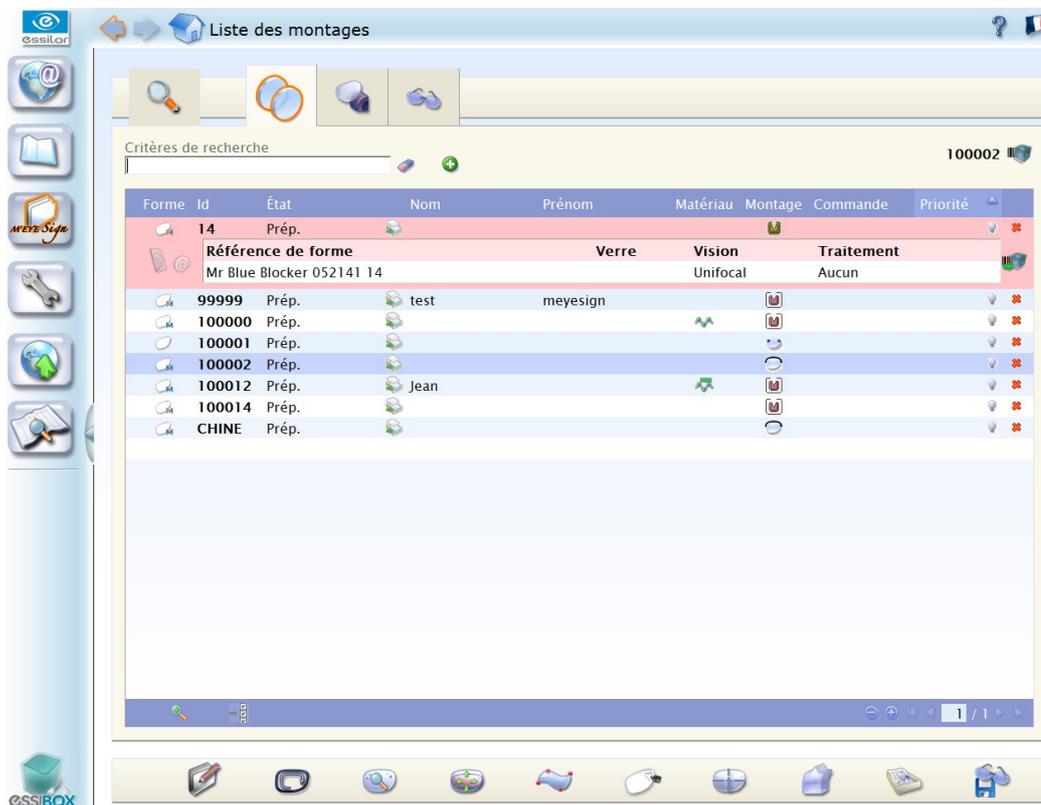
- "Outline": image placed under the shape used to guide the user.
- "Dot": red ball, shape dot.
- "Control dots": 2 yellow balls or 1 yellow and 1 pink – these dots are used to affect the curve.
 - 2 yellow balls: "curve" mode.
 - 1 yellow ball and 1 pink ball: "pointed" mode.
- "Segment": gray, curved or straight feature connecting two "dots".
- "Shape": "Dot" and "segment" package.

Main interface:

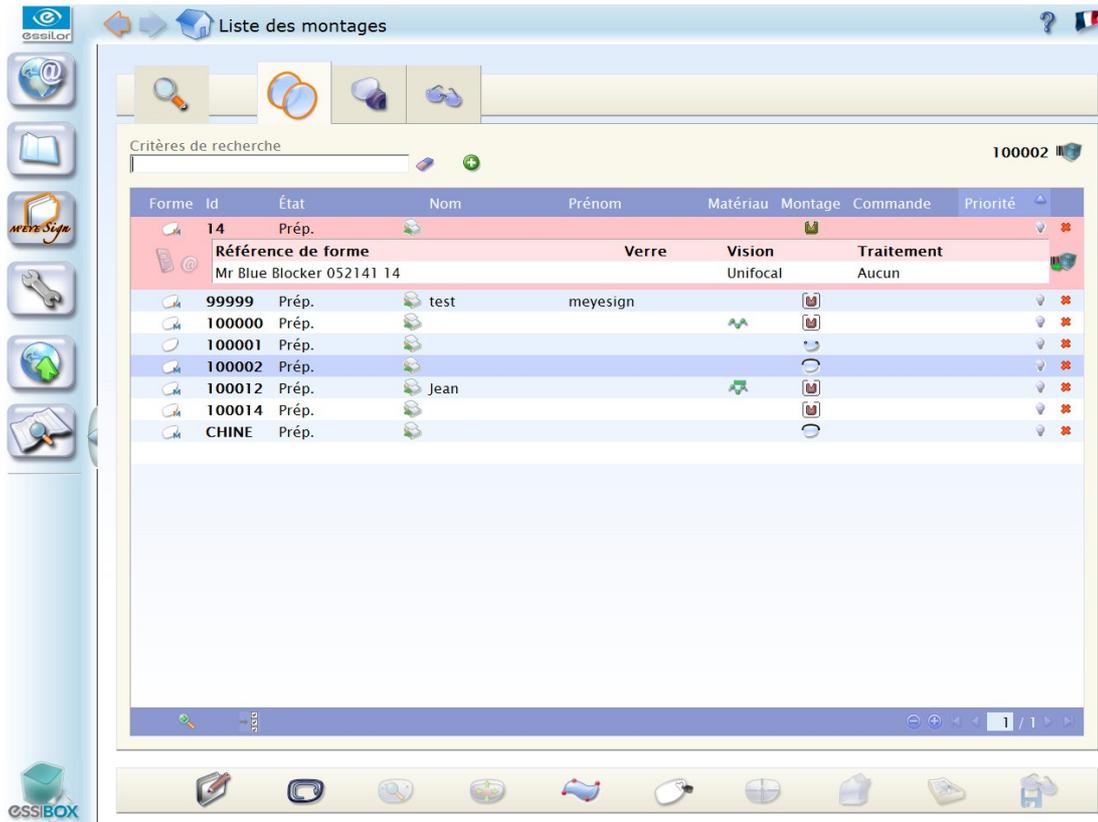


M'Eye touch is used on your Essibox with or without the Essibox Pro contract.

With Essibox Pro



Without Essibox Pro



Without Essibox Pro, the user is able:

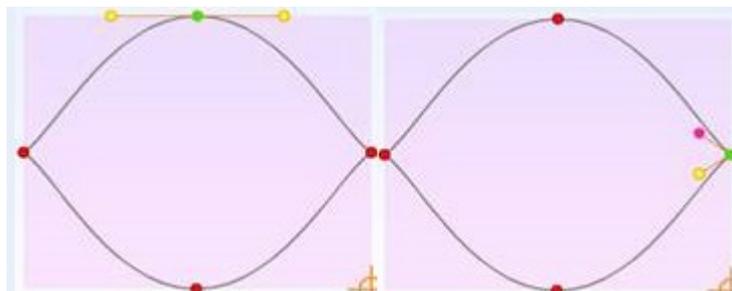
- to create and archive a job
- to pair it with a shape from the tracer
- to print its workshop sheet
- to import the job into Mr Blue

The other features are not accessible.

3 possible scenarios:

- Basic shape
- Shape from a M'Eye Touch outline
- Shape from a tracing, available in the Essibox library

Basic shape



This is a default shape.



Use of a M'Eye Touch outline

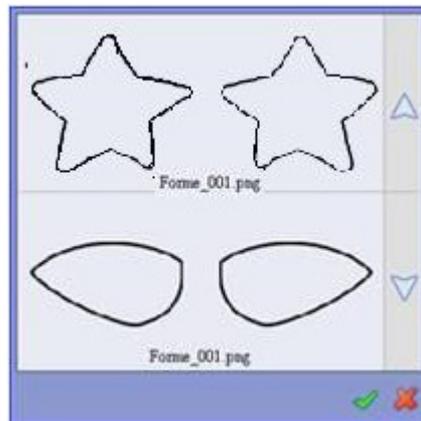
You can use the provided outline, or create them yourself.

To do this, place your image in the Essibox "Images" directory

Use an outline

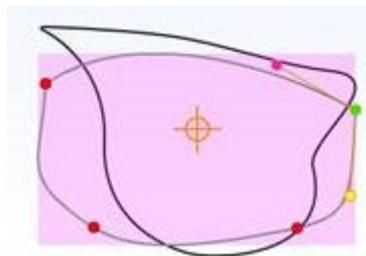
1 In the tool bar, click on the button .

> The following selection box appears:



2 Select your outline, then confirm.

> Your outline appears as wallpaper, like on the image below:



3 Lastly, position your points by following the model.

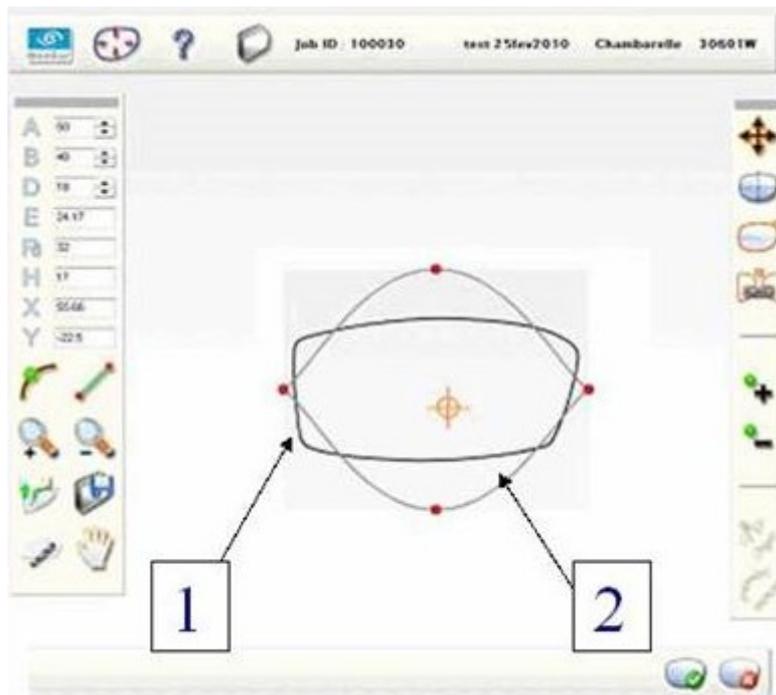
Shape from a tracing, available in the Essibox library

Pair a shape with your job

The screenshot shows the Essibox software interface. At the top, it displays 'Référence montage : 100079' and 'Détails'. Below this is a search bar with 'MeyeTouch' selected in the 'Librairie' dropdown and 'Critères de recherche' in the search field. There are checkboxes for 'Avec perçages' and 'Sans perçages'. A table lists various shapes with columns for 'Librairie', 'Fabricant', 'Marque', 'Collection', 'Modèle', 'Gabarit', 'Pont', 'Cote B', and 'Branche'. The 'Puzzle' model is highlighted in red. Below the table, there are two puzzle pieces with a crosshair, and the text 'Monture sélectionnée: MeyeTouch - Template Box - Puzzle' and 'Perçages sélectionnés'. At the bottom, there is a toolbar with various icons.

Librairie	Fabricant	Marque	Collection	Modèle	Gabarit	Pont	Cote B	Branche
MeyeTouch	MeyeTouch	MeyeTouch	Template Box	Fish	51	18.00	26.09	→ →
MeyeTouch	MeyeTouch	MeyeTouch	Template Box	Crete	50	18.00	25.98	→ →
MeyeTouch	MeyeTouch	MeyeTouch	Template Box	Weird	50	18.00	31.66	→ →
MeyeTouch	MeyeTouch	MeyeTouch	Template Box	Stairs	50	18.00	28.34	→ →
MeyeTouch	MeyeTouch	MeyeTouch	Template Box	Puzzle	50	18.00	50.01	→ →
MeyeTouch	MeyeTouch	MeyeTouch	Template Box	Waves	52	18.00	25.95	→ →
MeyeTouch	MeyeTouch	MeyeTouch	Standard	Geometry 8	43	18.00	43.10	→ →
MeyeTouch	MeyeTouch	MeyeTouch	Standard	Cercles	43	18.00	43.00	→ →
MeyeTouch	MeyeTouch	MeyeTouch	Standard	Square	42	18.00	42.28	→ →
MeyeTouch	MeyeTouch	MeyeTouch	Standard	Rectangle	43	18.00	26.35	→ →

Enter the M'Eye touch module



Components

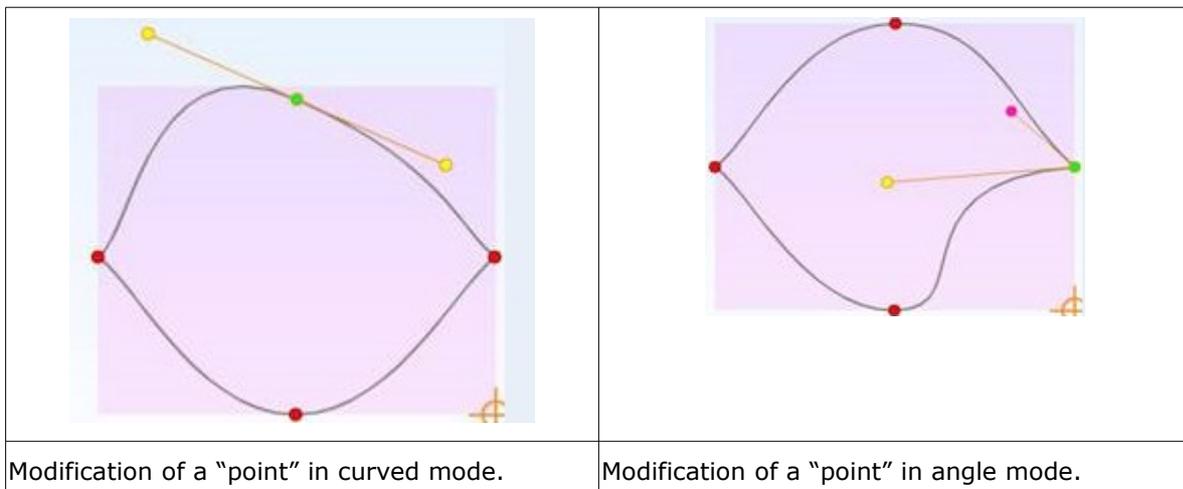
“Curve”/“angle” types for the “points”:

There are two types of “points”, those that connect two segments through a curve , and those that

connect two segments through an angle .

To change the type of a “point”, choose one of the two following icons:

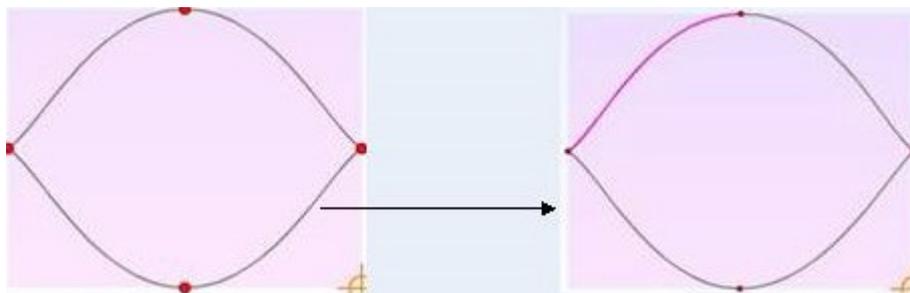
- Click on the button for the curved mode 
- Click on the button for the angle mode 



“Curve”/“segment” types:

1 Go into “segment” mode by clicking on the icon: (in the left-hand vertical menu) .

> You will obtain a M’Eye Touch shape with smaller “points”:



2 Move your mouse over the portions of curves that to wish to transform into a segment.

> Those become green.

3 Click above to select one.

4 Click on the icon  (in the right-hand vertical menu) to transform the curve into a segment.

 A point with a segment on the side only has one control point.

 A point with two segments on both sides does not have any control point.

Conversely, to go from a segment to a curve, perform the previous steps then to click on the icon .

Move a "point"

1 In the tool bar, click on the button .

2 Move the mouse cursor on the point until the mouse cursor becomes like this: .

3 Click on the left button of the mouse, and while holding it down, move your mouse.

4 Once the "point" is on the desired position, release the mouse button.

Add a "point"

1 In the tool bar, click on the button .

2 Move the mouse cursor to the place where you want to add the new "point" .

3 Click on the left button of the mouse: .

 For each addition of a new point, click again on .

Erase a "point"

1 Click on the "point" that you wish to erase.

2 Click on the button. .

> The "point" disappears.

 A shape must have at least 3 "points".

Working environment

The zoom

There are several levels of zoom:

- to zoom in: click on the button  in the tool bar.
- to zoom out: click on the button  in the tool bar.

Moving the shape and the outline

The shape and the outline are connected, when you move the outline, the shape also moves.

The following functions are available:

- Free movement: click on the button  in the tool bar.
- Centering on the left lens: click on the button  in the tool bar.
- Centering on the right lens: click on the button  in the tool bar.
- Centering on the two lenses: click on the button  in the tool bar.

Edging simulation

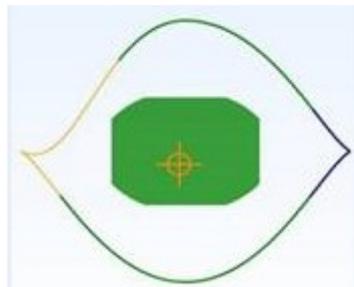
These options allow you to visualize the edged shape and know which tool will be used to machine the shape:

- Green: Large wheel
- Yellow: Bit
- Blue: Wheel
- Red: Not edge-able

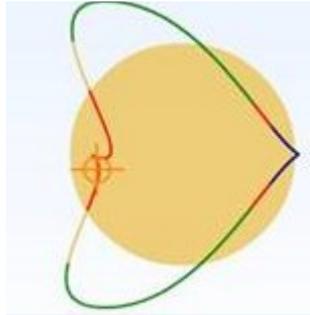


These colors are the same ones as on Mr Blue.

Example of an edge-able shape:



Example of a non edge-able shape:



As it is seen on the second illustration, the bit will stop before the end of the groove.



It is advised to make a test on a test lens before performing the final edging.

“Symmetrical” and “asymmetrical” mode

You can work in symmetrical mode, so that the modifications made on one lens are applied to both lenses.

As for the asymmetrical mode, it allows you to create a specific shape on each lens.

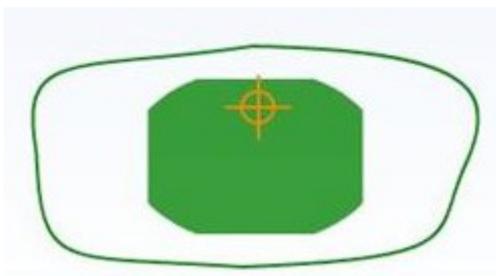
The “symmetrical” mode is active by default, nevertheless you can reactivate it by clicking on: .

To activate the “asymmetrical” mode, click on: .

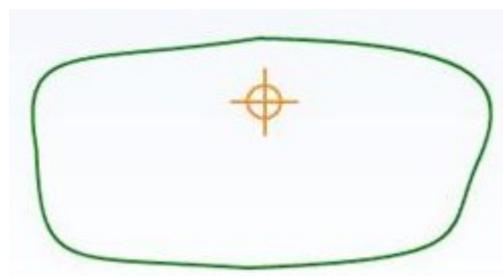
Display of the various components

The posiblock:

To display or mask the posiblock (only in “edging simulation” mode), click on the button: .



Displayed posiblock

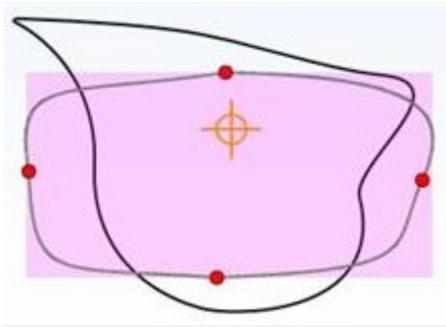


Masked posiblock

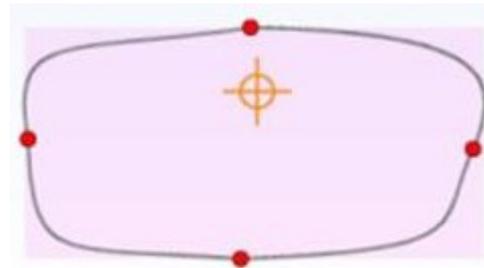
The outline:

To display or mask the outline (in “edging simulation” mode or in “shape creation” mode), click on the

button: .



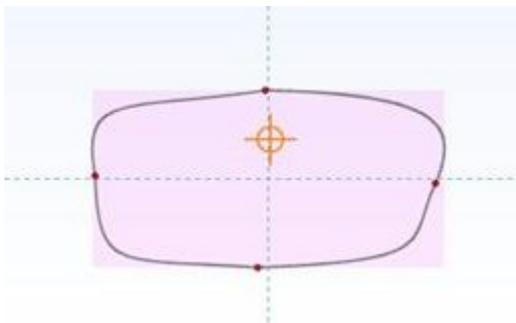
Displayed outline



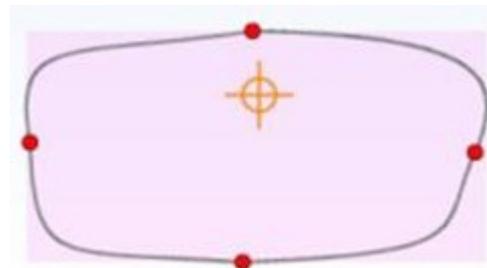
Hidden outline

Marks:

To display or mask the marks (X and Y axis), click on the button: .



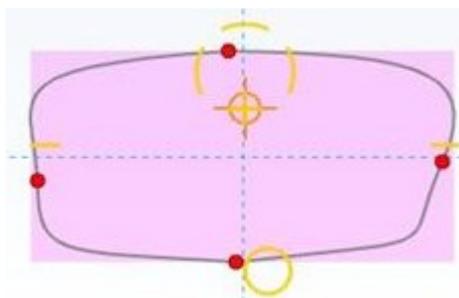
Displayed marks



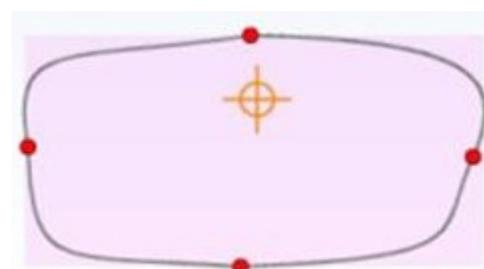
Masked marks

Progressive lenses markers:

To display or mask the marks (X and Y axis), click on the button: .



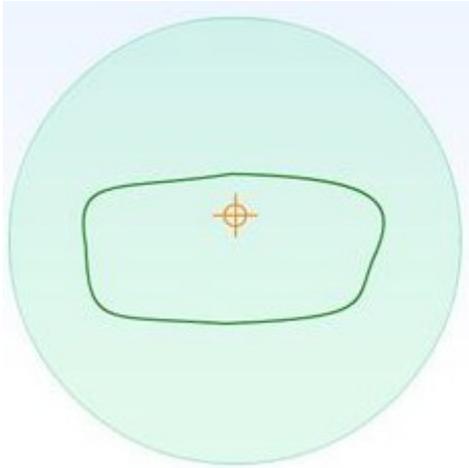
Displayed markers



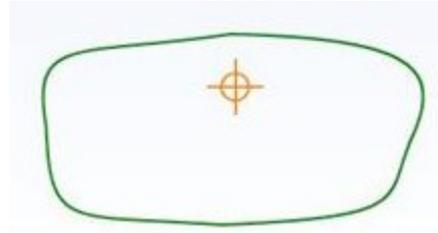
Hidden markers

Round lens:

To display or mask the marks (X and Y axis), click on the button: .

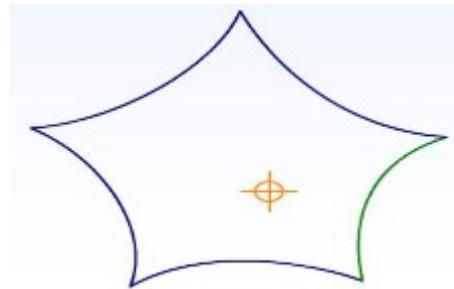
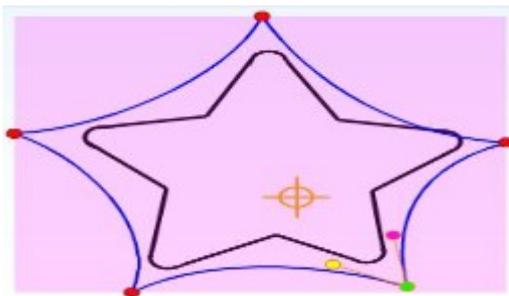


Displayed round lens

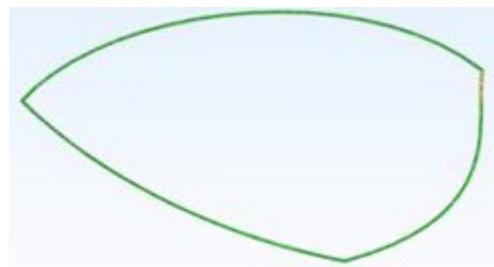
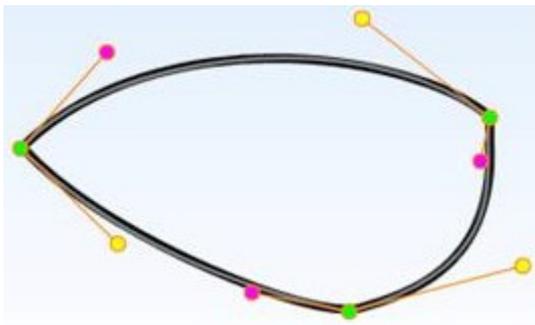


Masked round lens

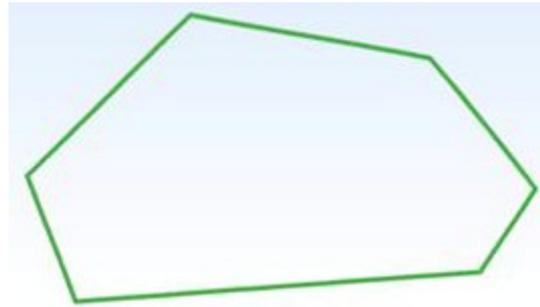
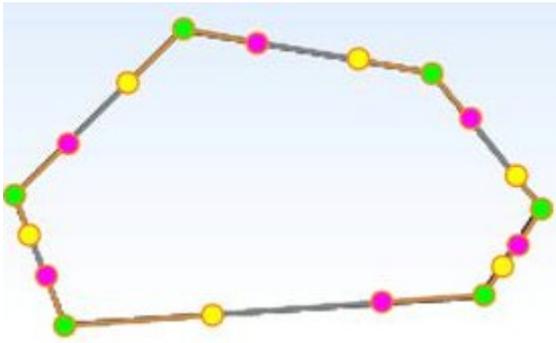
Example of the "points" positioning



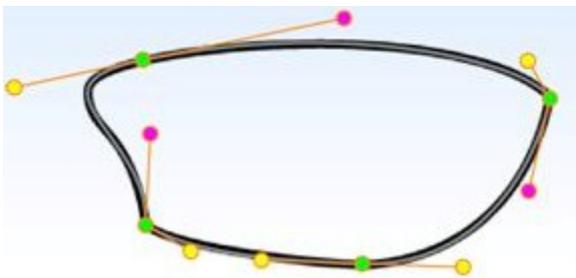
In this example, all the "points" are angle types:



This example shows you that with a few points, you can obtain a shape.

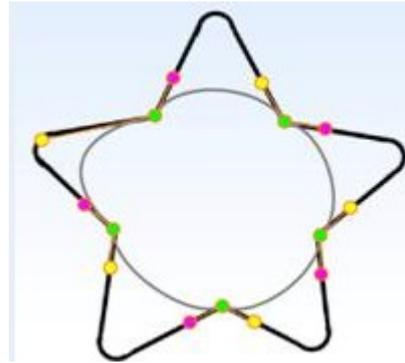


This example shows you that you can make straight lines starting from curves.

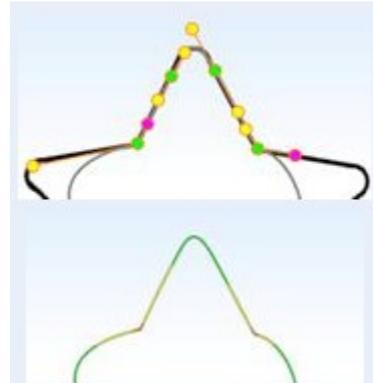


This example shows you that you one can mix the "points" that form the angles and the curves.

1. Addition of "angle" type points



2. Construction of a point in zoom



3. Construction of other points



4. The result



f. Engravings

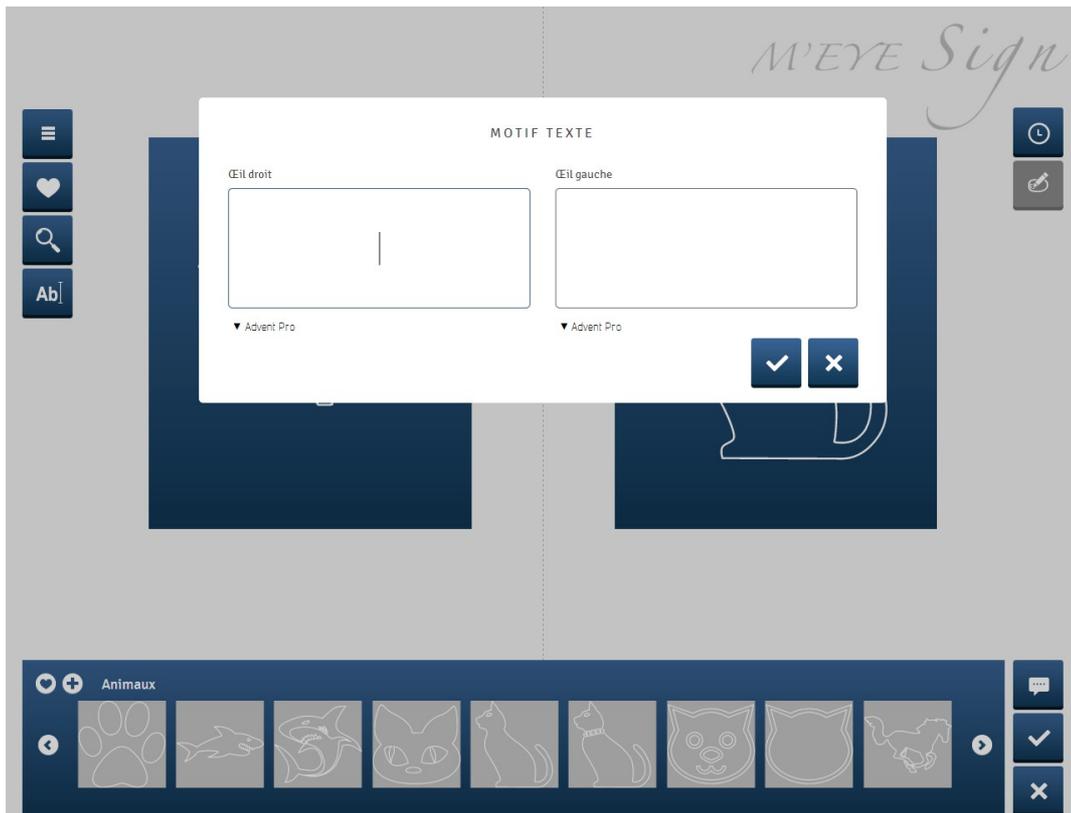
This module allows you to engrave designs or text on your lenses.



Click on  to access the various design categories:

- Animals
- Cultures & Communities
- Stars
- Celebration
- Flowers and Plants
- Fun & Kids
- Games
- Music
- Peace & Love
- Sports
- Symbols
- Transport
- Tribal
- Zodiac

You can engrave text on the lenses by clicking on  :



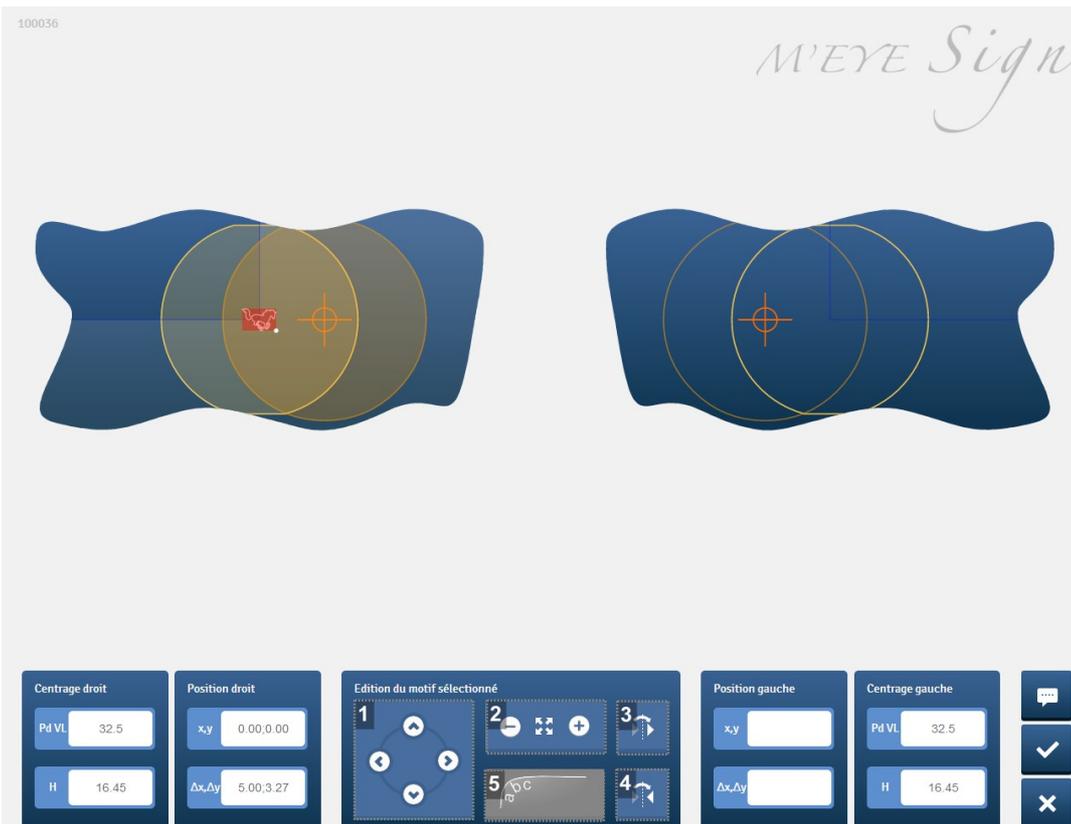
Press  to add a design to your favorites.

Click on  to search for a design.

Click on  to add a comment.

Modification of engravings

Click on  to modify your engravings:



1. Position

Allows you to position your design on the lens with the arrows.

2. Cut

Allows you to make your design bigger or smaller by clicking on “-” or on “+”.

3. Symmetry

Allows you to make the identical design symmetrical on the second lens.

4. Reversed symmetry

Allows you to make a symmetrical mirrored design on the second lens.

5. Text

Allows you to modify the position of your text according to the contour of the lens.

Use the position arrows to move the text.

Engravings tracking

Click  for the status report on your engravings.

It is possible to classify your engravings according to:

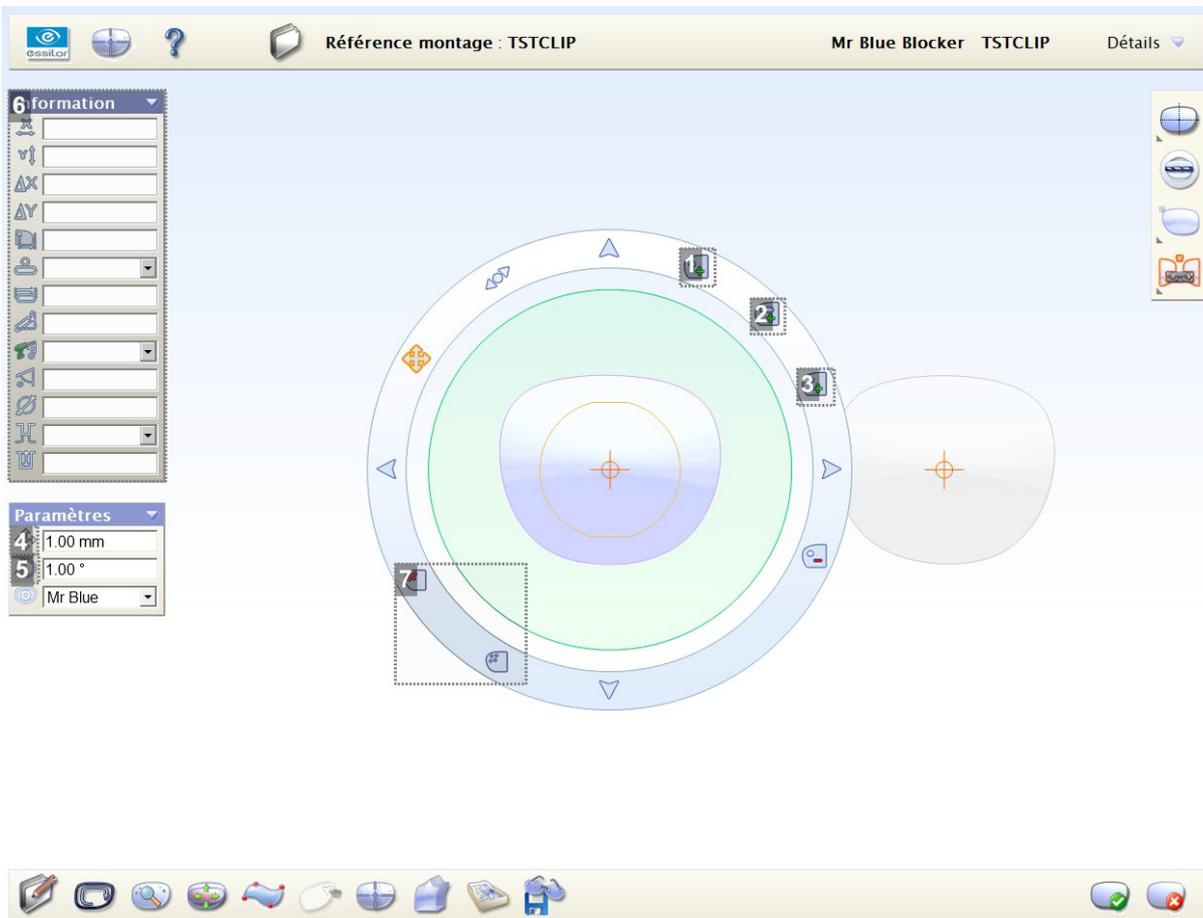
- the visit date
- last name
- first name
- right design

- left design



g. Drilling editor

This module allows you to add, remove or modify drilling points on your shape.



1. Add a drilling point

Click on the icon then click on the shape at the place where you want to add the round drilling.

2. Add an oblong drilling

Click on the icon then click on the shape at the place where you want to add the oblong drilling.

3. Add a notch

Click on the icon then click on the shape at the place where you want to add the notch.

4. Drilling movement mode

To go into movement mode, press this icon. Four arrows appear that let you move the selected drilling over the lens.

For better manageability, you can also move the drilling using the arrows on your keyboard.

Notice: You have the possibility of modifying the movement step in the left "settings" window.

5. Drilling rotation mode

To go into rotation mode, press this icon. Two arrows appear on the circle, allowing you to perform clockwise and counter-clockwise rotations of the selected drilling.

Notice: You have the possibility of modifying the rotation step in the left "settings" window.

6. Drilling information window

This window allows for the visualization and modification of the characteristics of selected drilling.

If several drillings are selected, only information that is shared by all the drillings will be displayed or modifiable.

If a drilling is used as a point of reference in the same temporal-nasal mark, the relative coordinates of the selected point will be displayed on the lower part of its coordinates in boxing center.

If you modify the point coordinates (for example its edge-lens coordinates), its other coordinates (in x and y coordinates or the coordinates relative to a marking point) will be upgraded automatically.

Caution: you must confirm the modifications with the "enter" key on the keyboard!

7. Select/Deselect all the selected drillings/components

Display

It is possible to perform drilling on the right eye, the left eye or according to the nasal position.

-  : Your work is centered on the right eye
-  : Your work is centered on the left eye
-  : Your work is centered on both nasal-side half lenses.

Make drilling points symmetrical

Whether you perform drilling on the right eye, the left or nasal-side half lenses, the modifications made to drillings on one lens are not carried over to the other eye.



Left Eye/Right Eye symmetry: Symmetry of the points selected with the other eye.



Press on the symmetry once you have performed all of your modifications because any modification performed between the last symmetrization and exiting the module will not be carried over to the second lens.



Temporal/nasal symmetry: Symmetry between the nasal side and the temporal side selected points and vice versa.



Press on the symmetry once you have performed all of your modifications because any modification performed between the last symmetrization and exiting the module will not be carried over to the second lens.

You can modify the editing settings:

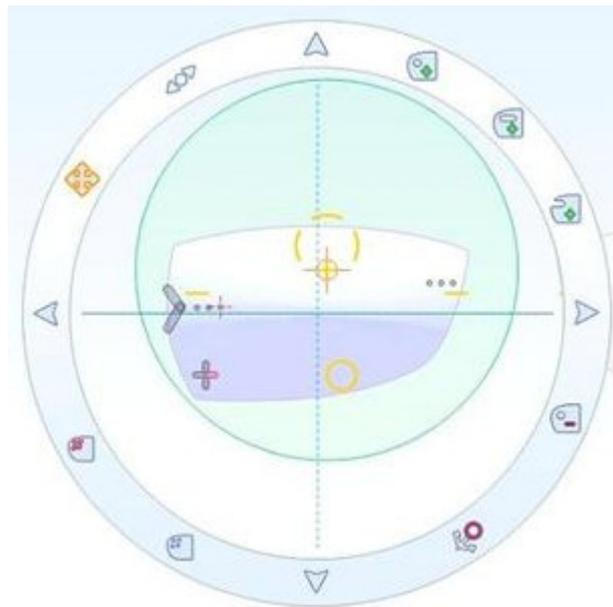


- by increasing or by decreasing the step: you enlarge or narrow your shape with more or less precision (in mm).
Minimum: 0.1 mm
- by modifying the axis value: you carry out a more or less full rotation of your shape.
Minimum: 1°

The performable displays on and around the shape are:

- Visualization of the boxing center
- Visualization of the round lens
- Visualization of markings for progressive lenses

Display of the round lens: if the physical diameter of the lens was not entered in "Editing", default display of a 75 mm diameter lens.



If you leave while saving the modifications when the data is not valid (besides lens drillings or in the field of view), a warning message is displayed.

This message does not block the job, it simply warns you that it is impossible to perform edging if you do not move drillings concerned later on.

h. Finishings

This module allows you to enter the job finishing data. During the transfer of your job on your edgers, this data is automatically taken into account.

The screenshot shows a software interface for job setup. At the top, there is a header bar with the Essilor logo, a search icon, a help icon, and the text 'Référence montage : 100075'. Below this, there are two main panels: 'Œil droit' (Right Eye) and 'Œil gauche' (Left Eye). Each panel contains a list of parameters with corresponding input fields:

- Matériau (Material): dropdown menu
- Cycle d'usinage (Cutting Cycle): dropdown menu
- Type de montage (Mounting Type): dropdown menu
- Position: dropdown menu (set to 'Automatique')
- Distance: text input field
- Base monture (Mount Base): text input field
- Largeur rainure (Groove Width): text input field
- Profondeur rainure (Groove Depth): text input field
- Chanfrein face avant (Front Chamfer): dropdown menu (set to '0,2 Fin')
- Chanfrein face arrière (Back Chamfer): dropdown menu (set to '0,2 Fin')
- Polissage (Polishing): checkbox (unchecked)

At the bottom of the interface, there is a toolbar with various icons for navigation and actions, including a green checkmark and a red X.

All of the data entered on the right eye is carried over automatically to left eye. On the other hand, the data entered on left eye is not carried over to the right eye.



If the finishing of your two eyes are not identical, first enter the fields for the right eye, then modify the different fields for the left eye.

It is not necessary for you to enter all of the fields in order to perform edging on the job. It will still be possible for you to enter the missing information once the job is on the machine.



If, once on the edging machine, you carry out modifications to the finishing data, it is not updated in this module.

Once the job data is imported in the edgers, the user can always modify the finishing parameters on the machine interfaces.

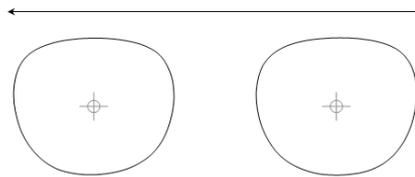
On the other hand, There is not an automatic update of the data stored on Essibox.

	Automatic Automatic positioning of bevel or the groove, optimized by the edger.
	Front surface tracking: Bevel or groove distance from the front surface, 0.1 mm step by default: 0.1 mm
	Rear surface tracking Bevel or groove distance from the rear surface, 0.1 mm step by default: 0.1 mm
	Distributed from the front surface Bevel or groove distance from the front surface as a percentage from 5 to 95% by default: 40%
	Base tracking Tracking of the lens base, 1.0 mm step, from 1.0 mm to 12.0 mm step, by default: 4.0 mm
	Chamfer The value of the small/large chamfer is related to the edger adjustments.
	Polishing Polishing is set for the two lenses.

i. Workshop document

This function, accessible on the jobs list, allows you to edit the workshop document if a printer is available on the network.

/		TSTCLIP	
ICS 64 bis Avenue Aubert 94300 VINCENNES		TSTCLIP	
Notes :		Date de visite	Livraison souhaitée
		Date de livraison	
Œil droit		Œil gauche	
Sphère	Cylindre	Axe	Addition
Prisme	Axe	Diamètre minimum	
		48.60 mm	
Vision : Inconnue		Diamètre	
Matériau : Inconnue			
Monture : Essilor / Mr Blue Blocker / 052141 / TSTCLIP			
Type de montage : Plastique			
Pd VL	Pd VP	H	d
			23.37 mm
	A	B	
	45.58 mm	39.37 mm	
Biseau / Automatique		Biseau / Automatique	
Cycle d'usinage :		Cycle d'usinage :	
Chanfrein face avant : 0.2 Fin		Chanfrein face avant : 0.2 Fin	
Chanfrein face arrière : 0.2 Fin		Chanfrein face arrière : 0.2 Fin	
Polissage : Pas de polissage		Polissage : Pas de polissage	
Œil gauche		Œil droit	

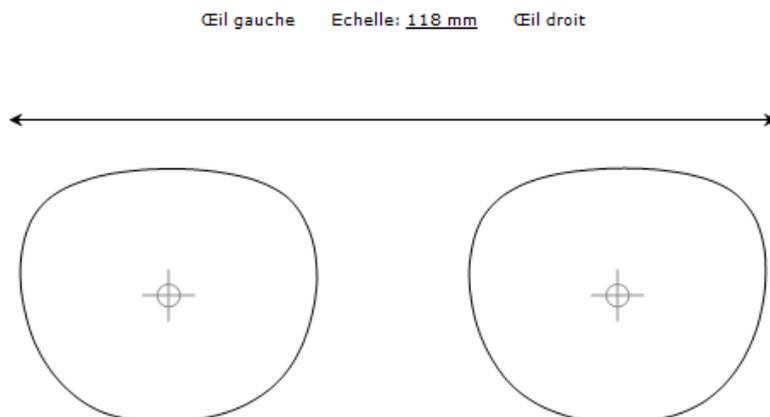


This document shows all the relative information for the job concerned:

- The job name and the name of the wearer;
- the barcode through which the job can be called up, in particular for lens centering and the edging; If the multi-site option was activated, the document will present two names in the workshop: that of the job in the workshop and that of the job in the store.
- the address of the optician;
- All of the prescription and job data;
- lens finishing data.

Scale modification:

You can modify the diagram scale on the screen while clicking on the dimension (see diagram below):



Bridge and D-dimension differences:

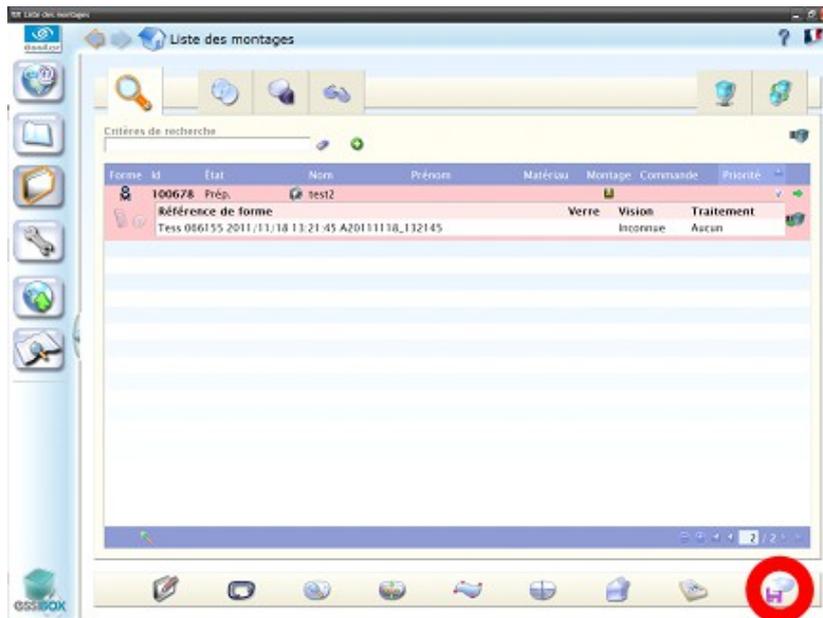
The D-dimension corresponds to the distance between the tangents of the right and left lenses.

The bridge is the physical component connecting the two lenses and thus takes into account the distance from the drilling points at the edge of the lens.

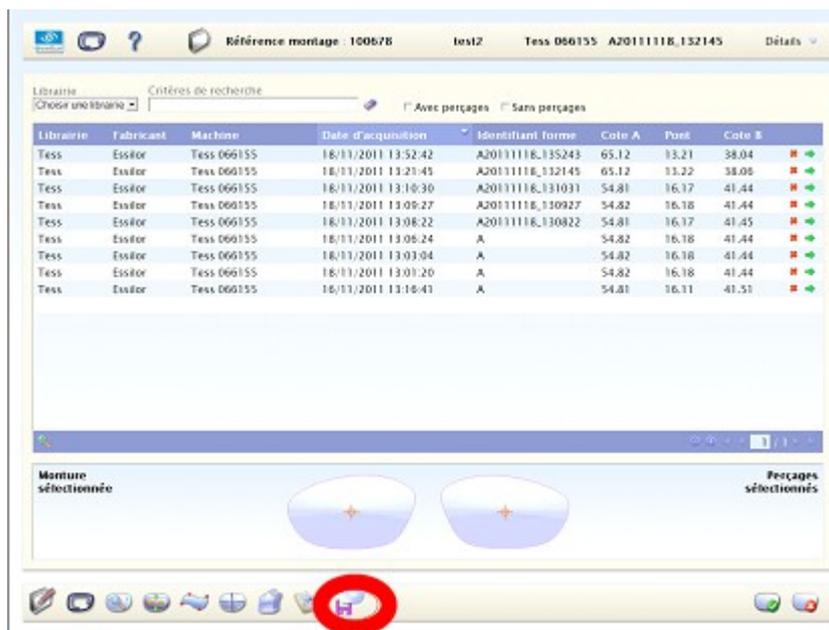
OpsysWeb

When an OpsysWeb account and a publication server are configured, the cataloging icon changes in the jobs list and in the shape editor.

List of jobs



Shapes editor



When you click on the  "Put in library" button, the following window appears:



1. Client library

Enables saving in the "Client library".

2. OpsysWeb

Enables sending to "OpsysWeb".

3. Presize Edging

The "Presize Edging" box to check indicates that publication is done with a view to a presize edging. What results in drilling restrictions This box is only visible if the option "Enable presize" has been checked in the configuration page.

4. Reference

The field enables to change the text which appears when you publish the shape. By default this field contains the first name and surname of the folder.

Depending on the options selected, warning messages may appear if all the conditions are not respected:



The warning messages are the following:

- Only 4 holes are accepted for a presize edging.
- Your job has no shapes.
- Your job is creative.
- A drilled type job must contain drillings.

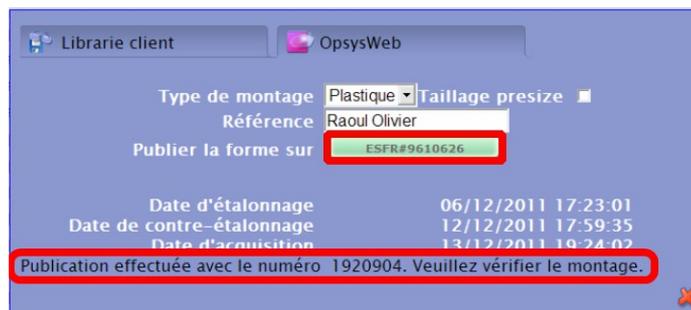
As soon as a publication server is configured, you can access the "shape tracer"  and the "shape library"  without any job being selected.



You will not, however, have access to certain editors (jobs edition menu, finish menu and workshop file not present).

If you click on the "Publish shape" button, a "Publication underway" message appears.

Once publication is complete, the message "Publication complete" appears and the clicked button changes to green.

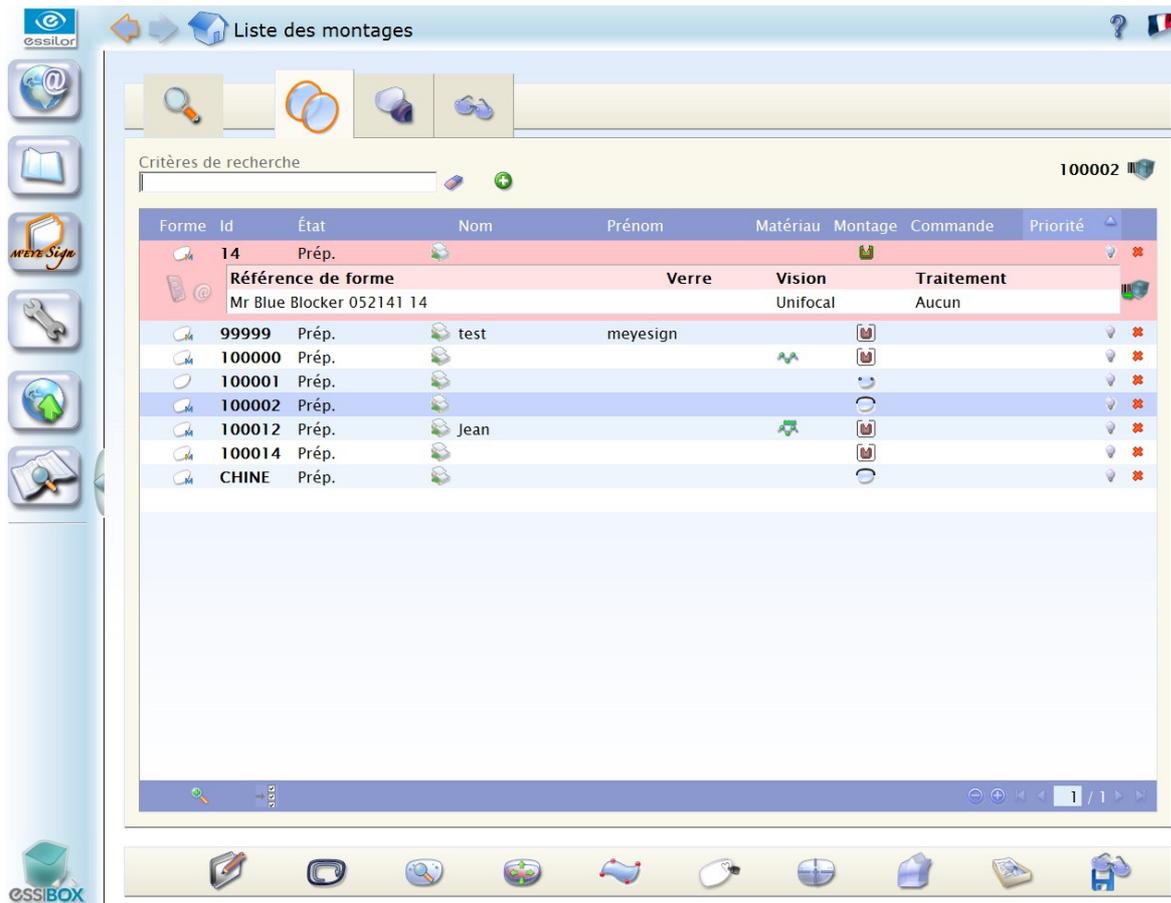


2. JOB MANAGEMENT IN ESSIBOX

The job management is the part where you manage all of your jobs, their creation, up to the delivery to the wearer.

In order to provide you with optimal organization, the job life is divided into three steps:

- In preparation
- Workshop
- Performed



Line number modification

The components below were added:

- Keyboard short cut (high/low, previous/next page) allowing browsing in the pages
- a  button and a  button allowing you to add lines in the jobs table.

These steps are materialized by tabs in which the jobs are distributed. The latter ones are detailed according to the following columns:

Shape	A Shape was paired with the job (green check)
ID	The unique job name generated either by the sotre management software or during its creation on Essibox
Status	The status report on the job; There are 5 different statuses representing the life cycle of a job:

In preparation - > move to "to do"	
To do - > move to "In progress"	
In progress	

- > move to "completed"	
Completed - > move to "Delivered"	
Delivered	

The change from one status to another is done by clicking on the icon.

Last name: the name of the wearer;

First name: the first name of the wearer;

Materials: the material of the lenses represented by an icon:

Glass	
Plastic	
Polycarbonate	
Medium and High index	
Trivex	

Job: the type represented by an icon:

Drilled	
Nylor	
Plastic ringed	
Metal ringed	
Optyl	

Visit date: ordering ate of the wearer.

Priority: The priority is set by the desired delivery date in relation to the current date. A small bulb changes color as you approach the desired delivery date:

- Gray bulb up to 3 days before the desired delivery date
- Yellow bulb up to 1 day before the desired delivery date
- Red bulb as soon as it is less than 1 day before the desired delivery date

Transmission: the job is completed so it can be called up from the machines via the "Essibox" barcodes.



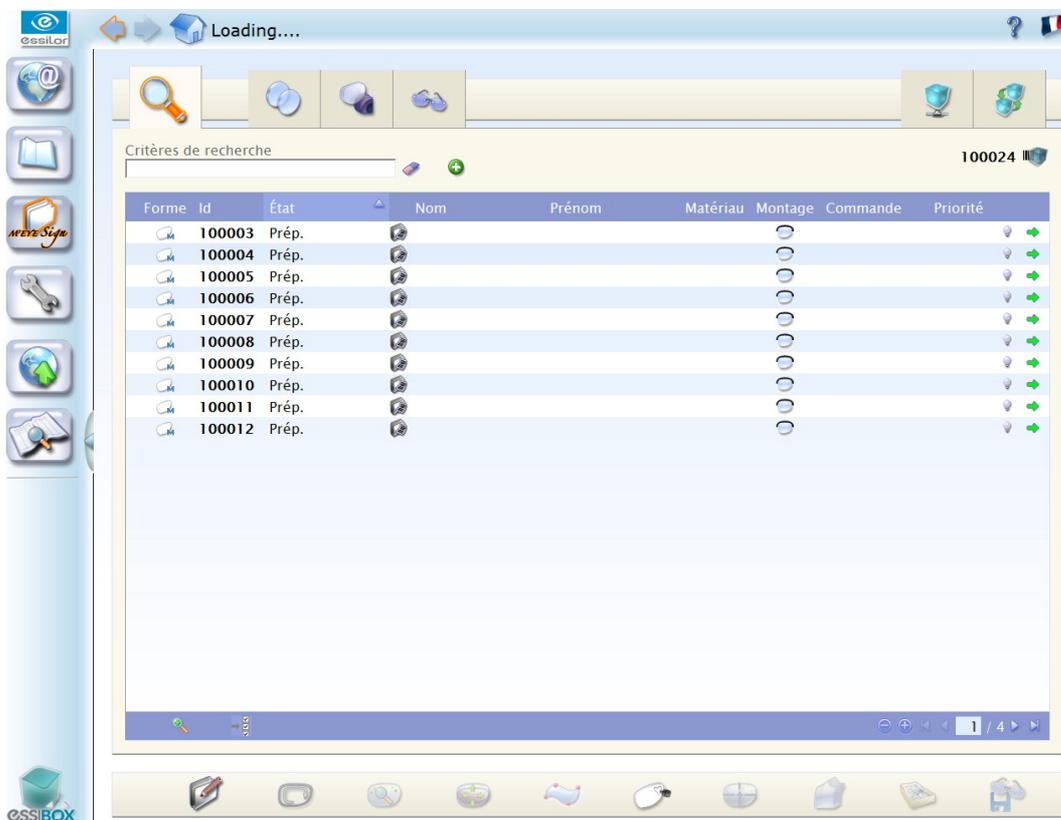
But you can also access more information on a job by selecting it.

For a selected job, you will find:

- the frame reference;
- the name of the lens used.

a. "Search" tab

In this tab, you have the possibility of performing searches on all the jobs found on your Essibox.



Status: the status report on the job. There are 5 different statuses representing the life cycle of a job:

In preparation	
To do	
In progress	
Completed	
Delivered	

To performed these searches, you have a dynamic free field associated with four filters:

- High priority: filter on the jobs with high priority;
- Medium priority: filters on the jobs with medium priority;
- Low priority: filter on the jobs with low priority;
- Archives: filter on the archived jobs.

These searches also apply to the jobs found in the "Multi-site" tabs.

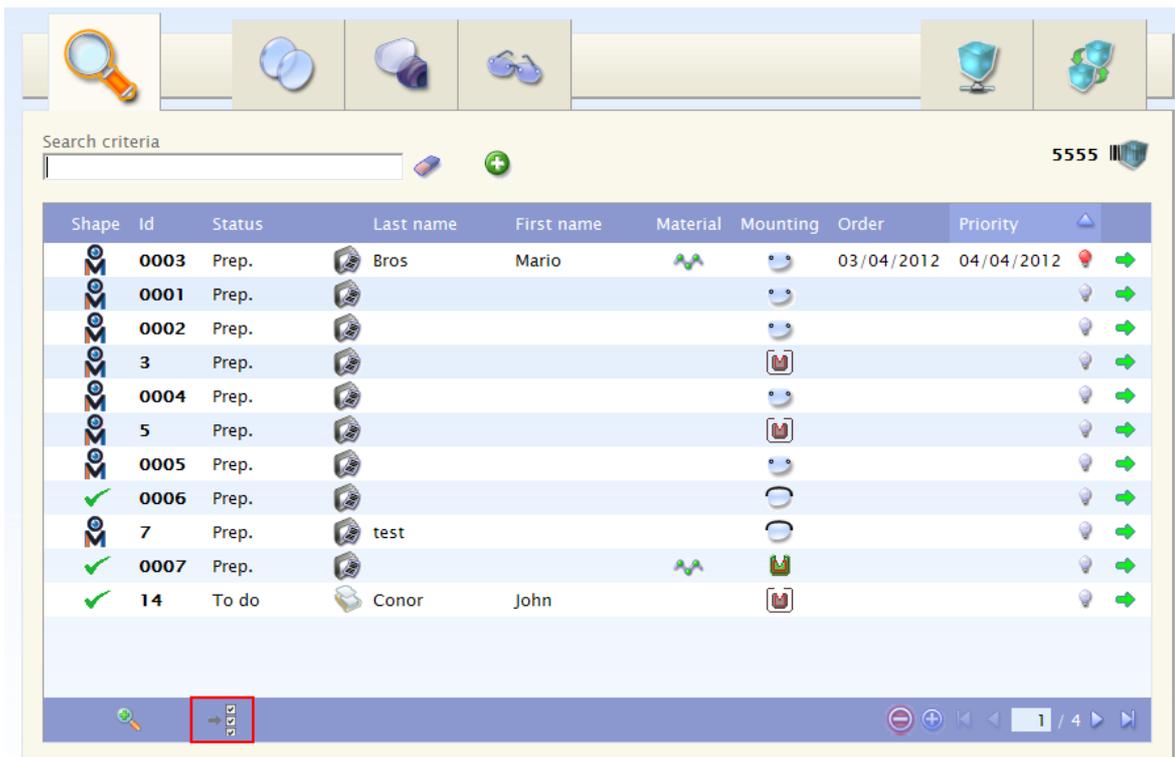
These filters are exclusive.

The icon in the end-of-line allows you to find:

- For an ongoing job: the job sought in the tab where the job is.
- For an archived job: job selection, archived job duplication by changing its name and thus located in the "to do" tab as well as its status, moving to "In preparation".

Multiple selection in the job list

It is possible to select several jobs in the job list using the through  icon located at the bottom left of the interface.



Once the multiple selection has been activated, a new column appears along with a series of icons.

Shape	Id	Status	Last name	First name	Material	Mounting	Order	Priority
<input type="checkbox"/>	0003	Prep.	Bros	Mario			03/04/2012	04/04/2012
<input type="checkbox"/>	0001	Prep.						
<input type="checkbox"/>	0002	Prep.						
<input type="checkbox"/>	3	Prep.						
<input type="checkbox"/>	0004	Prep.						
<input type="checkbox"/>	5	Prep.						
<input type="checkbox"/>	0005	Prep.						
<input type="checkbox"/>	0006	Prep.						
<input type="checkbox"/>	7	Prep.	test					
<input type="checkbox"/>	0007	Prep.						
<input type="checkbox"/>	14	To do	Conor	John				

This bar comprises:

- : Disables the multiple selection mode.
- (0): Number of jobs selected.
- All: Selects all the jobs found in all the pages of the tab.
- Page: Selects all the jobs found on the current page.
- None: Deselects all the jobs selected.
- : Moves all the selected jobs into "In preparation" status.
- : Moves all the selected jobs into "To do" status. (Sending to multi-sites is possible when the user is in the "In preparation" tab).
- : Moves all the selected jobs into "In progress" status.
- : Moves all the selected jobs into "To be raised" status.
- : Moves all the selected jobs into "Delivered" status.
- : Deletes all the jobs selected. In the workshop the multi-site jobs selected return to the sponsor.



When the user uses the multiple selection function, a confirmation message is displayed:

Please confirm Change to Prep. on 3 job(s)?. This action canno't be undone.

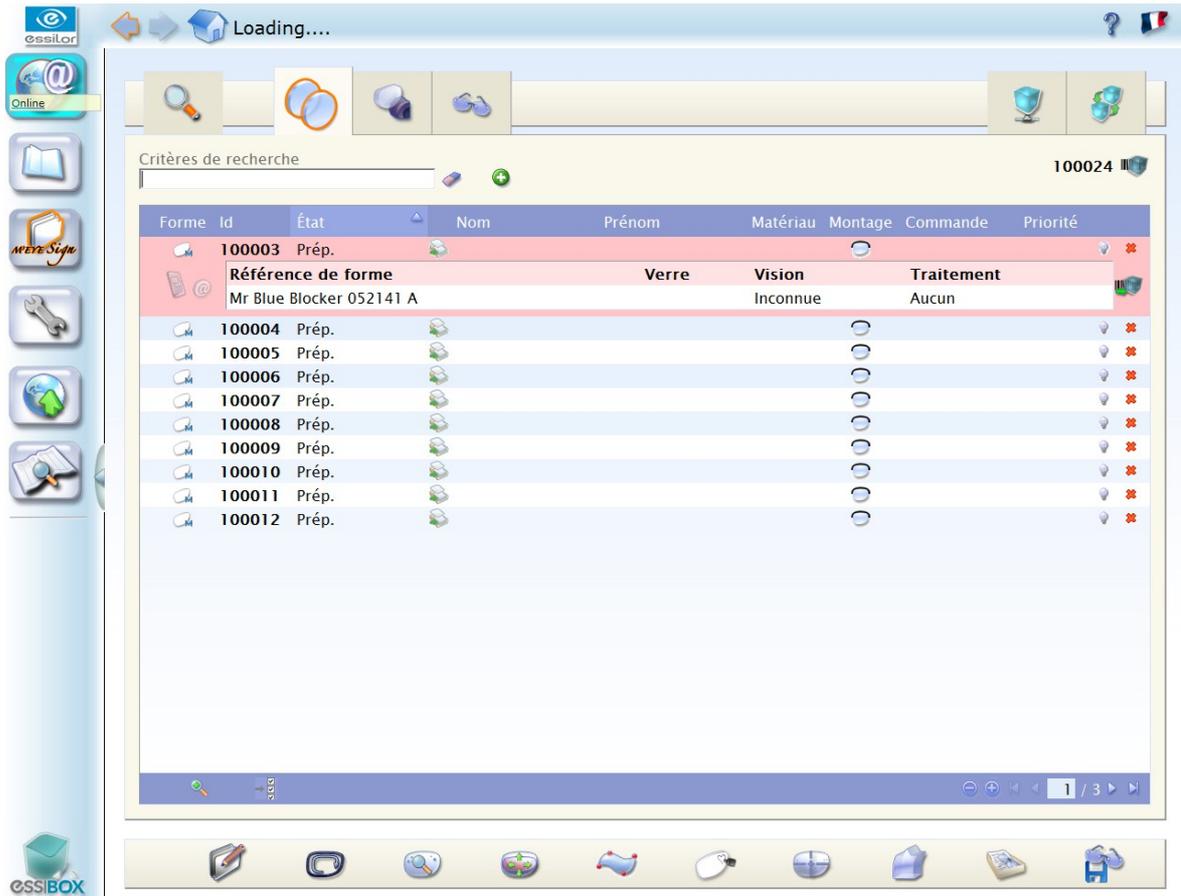


Changing tab causes the deselection of jobs.

b. "In preparation" tab

All the jobs that you created on your store management software as well as those you created directly on Essibox appear in this tab: it is the preparation step for your jobs.

This step consists in completing your jobs using the modules that appear at the bottom of the screen before making them move on to the "Workshop" step.



Jobs having "In preparation" status appear in this tab: the data to be paired with the job are being entered.

In preparation	
- > move to "to do"	

To move a job from one status to another, press on the icon found to the right of status.

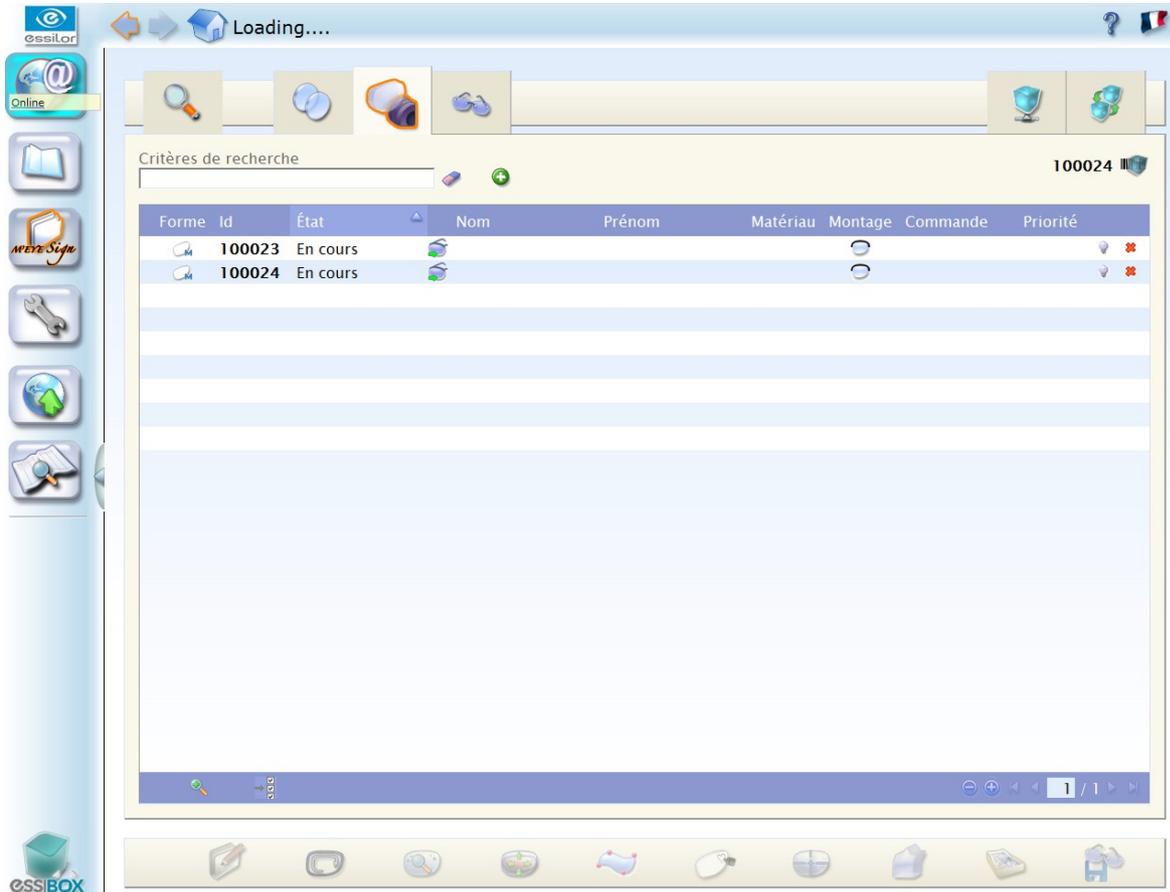
By clicking on this icon when the job has the "In preparation" status, you make it move to "to do" status, which results in erasing the job from the list on the "Jobs to do" tab so it is added to the list on the "Workshop" tab.

This system allows you to track the jobs.

c. "Workshop" tab

In this tab all the jobs appear that are physically at the workshop for mounting.

The point of this step is to allow you to organize your jobs according to your workload, the characteristics of the lenses to be cut, the urgency of the jobs, etc.



In this tab jobs appear with the following statuses:

- To do: the job awaits edging at the workshop.
- In progress: the job is in the course of being edged.

To move a job from one status to another, click on the icon which is on the right of the status.

To do - > move to "In progress"	
In progress - > move to "completed"	

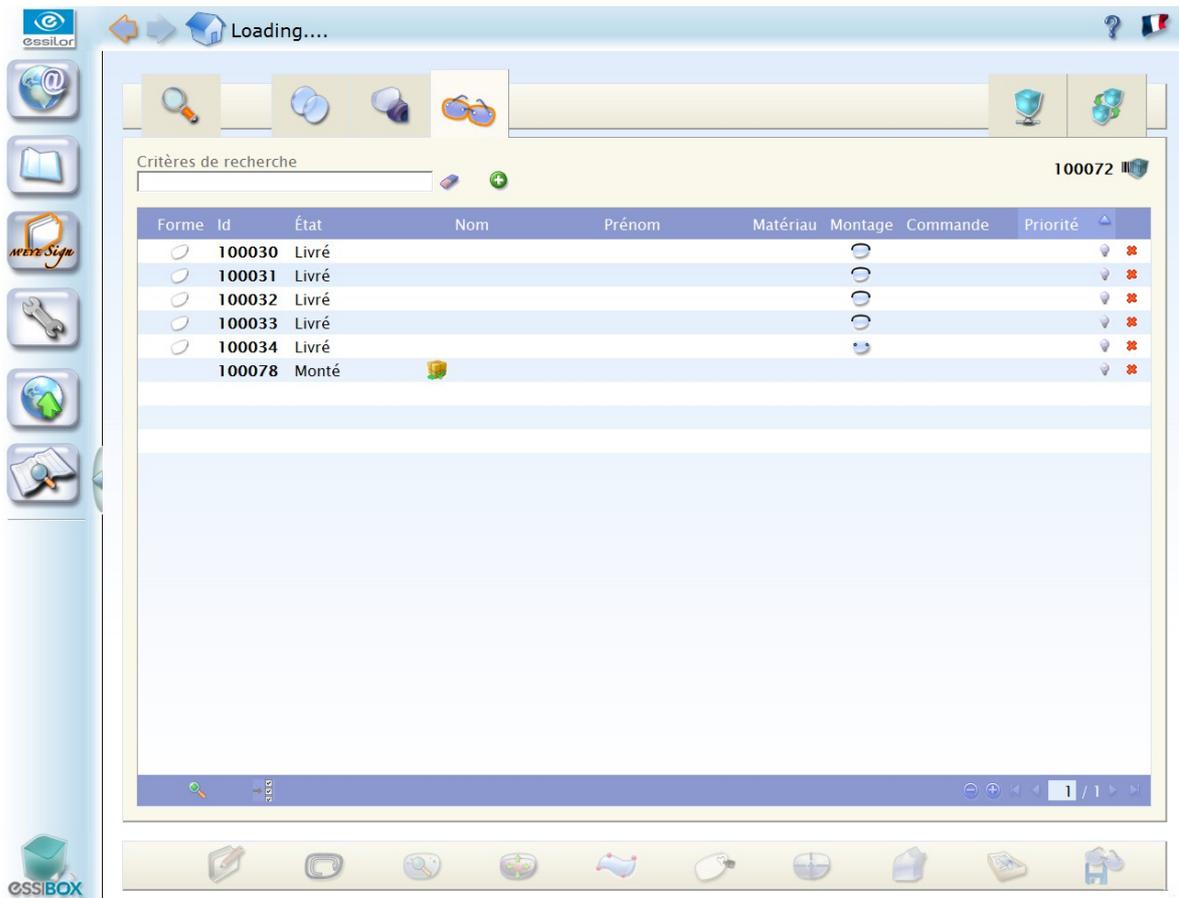


By clicking on this icon when the job has the "In progress" status, you make it move to "Completed" status, which results in erasing the job from the list on the "Workshop" tab so it is added to the list on the "completed jobs" tab.

This system allows you to track all of your jobs.

d. "Completed" tab

In this tab all the jobs appear that were completed and delivered.



In this tab jobs appear with the following statuses:

- Completed: the equipment is mounted.
- Delivered: the equipment was delivered.

Completed - > move to "Delivered"	
Delivered	

To move a job from one status to another, press on the icon found to the right of status.

This system allows you to track the jobs.

The shaped associated with a job cannot be modified any more.

Sending a sms or an e-mail: Once your job is "Completed", you will be able to tell your customers that they can come pick up their equipment by sending them a SMS or an e-mail.

This functionality is only possible if you entered an e-mail or a phone number beforehand.

The "delivery date" is automatically entered through a status "Completed" or "Delivered" change.

e. Job tracking in Essibox

Know the status of a given job

If you wish to know the status of a specific job, click on the "Searches" tab (☞ p.52) and enter one of the required pieces of information (job number, customer name, etc.) in the area text.

The status is given to you and you can go to the job by selecting it and clicking on the arrow in the end-of-line.

Essibox job concept

If you want to call up a job on a machine from your Essibox, you must transmit its name.

From the "Jobs to do" or "Workshop" tabs, select a job then click on the icon in the end-of-line  .

Your job is now accessible by calling up the Essibox barcode:



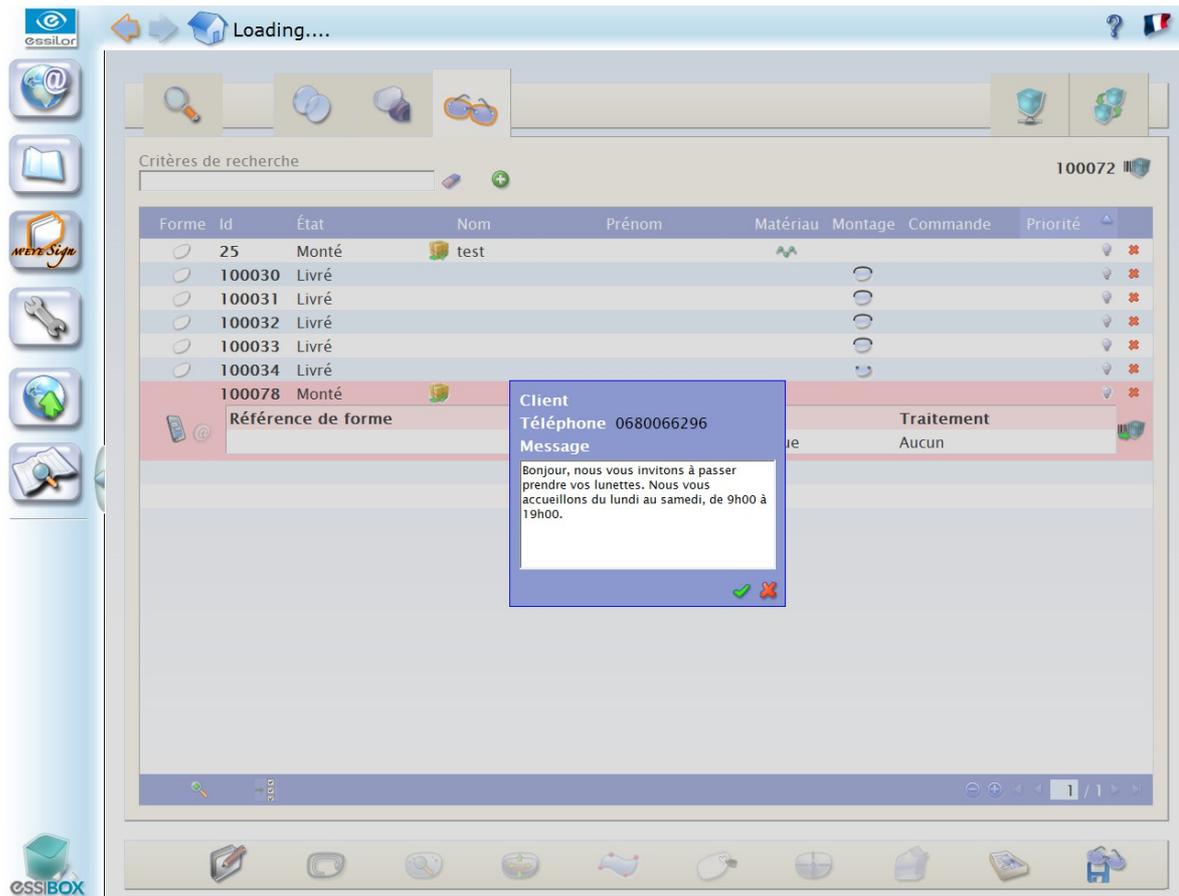
As long as your job is not archived as being delivered, you can change its status (in progression or regression) by editing the job, "Status" list.

Sending a sms or an e-mail:

Essibox allows you to alert your customers in one click by sending an e-mail or a SMS.

As soon as you confirm the "Completed" status of your Job, a new icon appears.

This icon allows you to send a custom-tailored message if a mobile phone number or an email address have been entered (- Job editing -).



The message is configurable and can contain the first and last names of the wearer.

Moreover, the standard message is manually editable for each transmission.

The message is sent once you confirm its contents.

3. JOBS ARCHIVING IN ESSIBOX

All of your jobs are reusable with Essibox.

Essibox places at your disposal an archiving function that allows you to save and re-use whole or part of the data of a job (shapes or customer information, etc.).

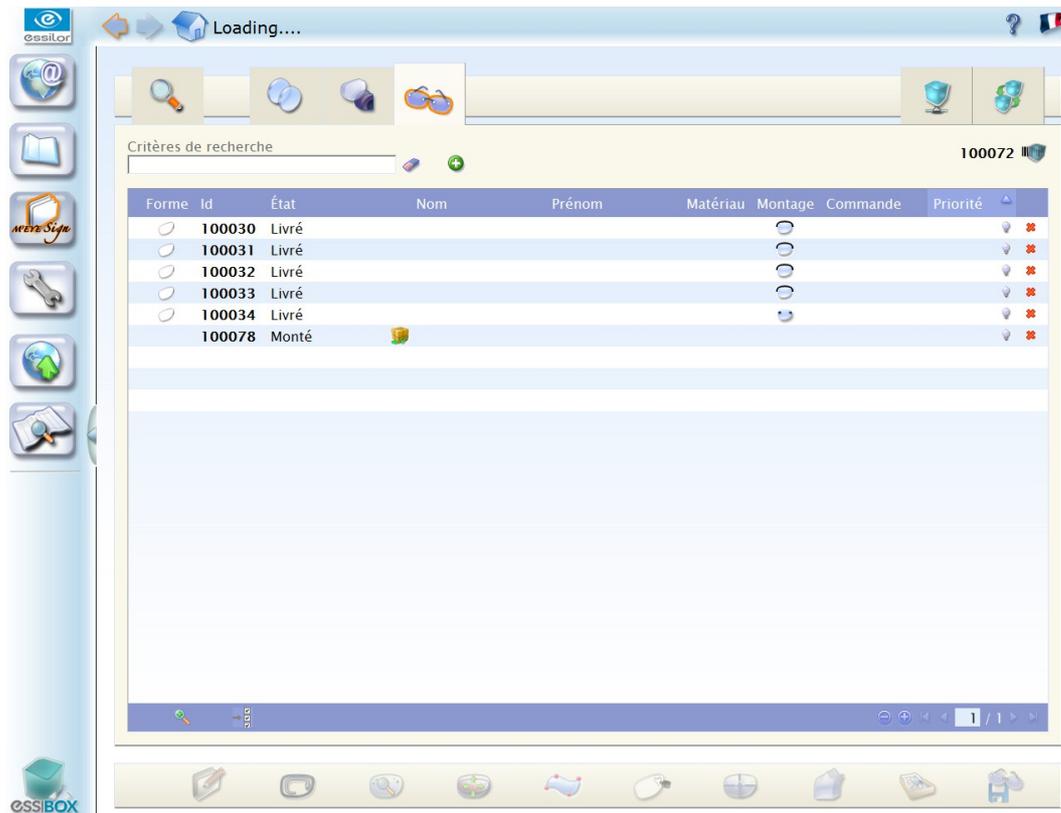
How to create an archive file?

When customers come to pick up their equipment from the store, you change the status of your job from "Completed" to "Delivered" (from the Completed Jobs tab).

This operation assigns a delivery date to your job.

After a period of 3 days, the job is automatically archived.

These jobs will no longer appear in the current tabs and will only be accessible via the tab "Searches", "Archived" jobs.

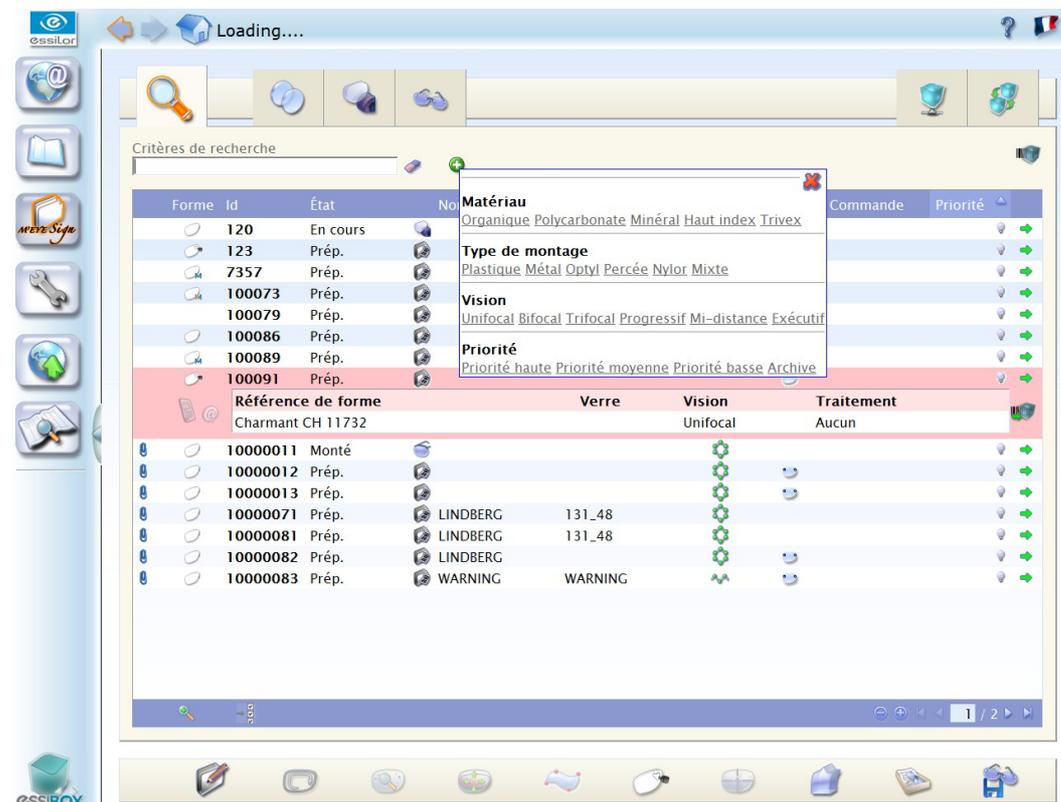


Here are two jobs that have "Delivered" status.

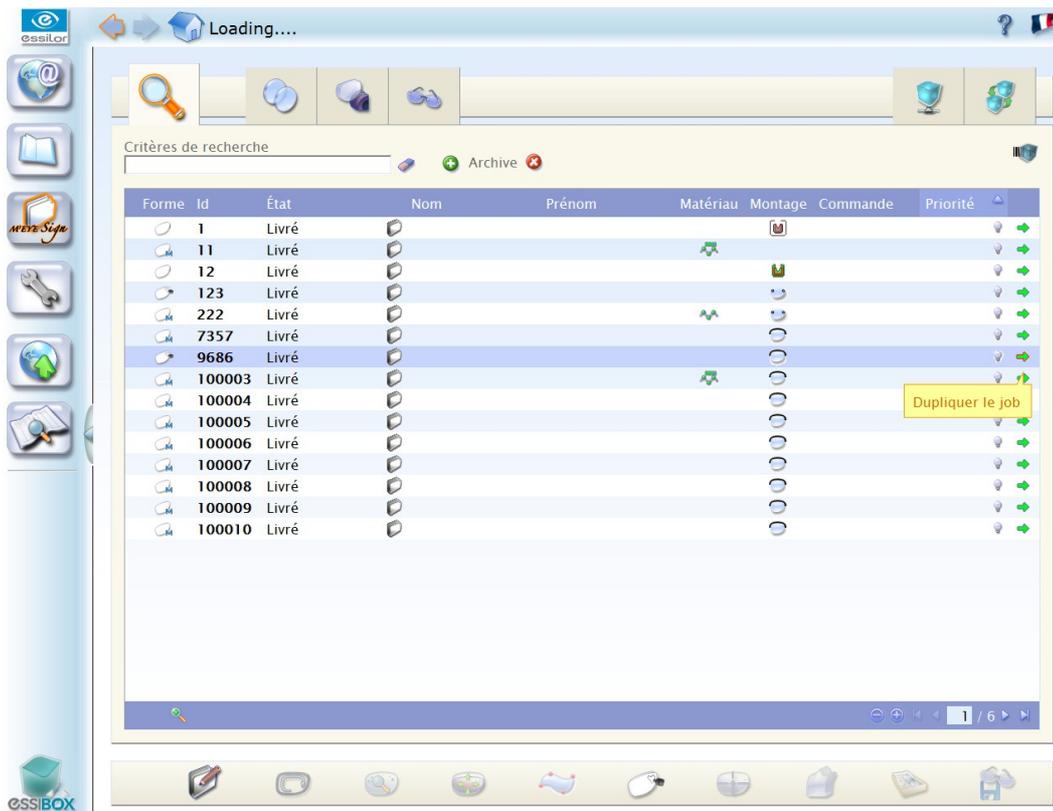
3 days after their delivery, they will be automatically archived.

How to use an archived file?

The archives can be viewed through the "Searches" tab.



From this section, you can select a file then click on the end-of-line arrow.



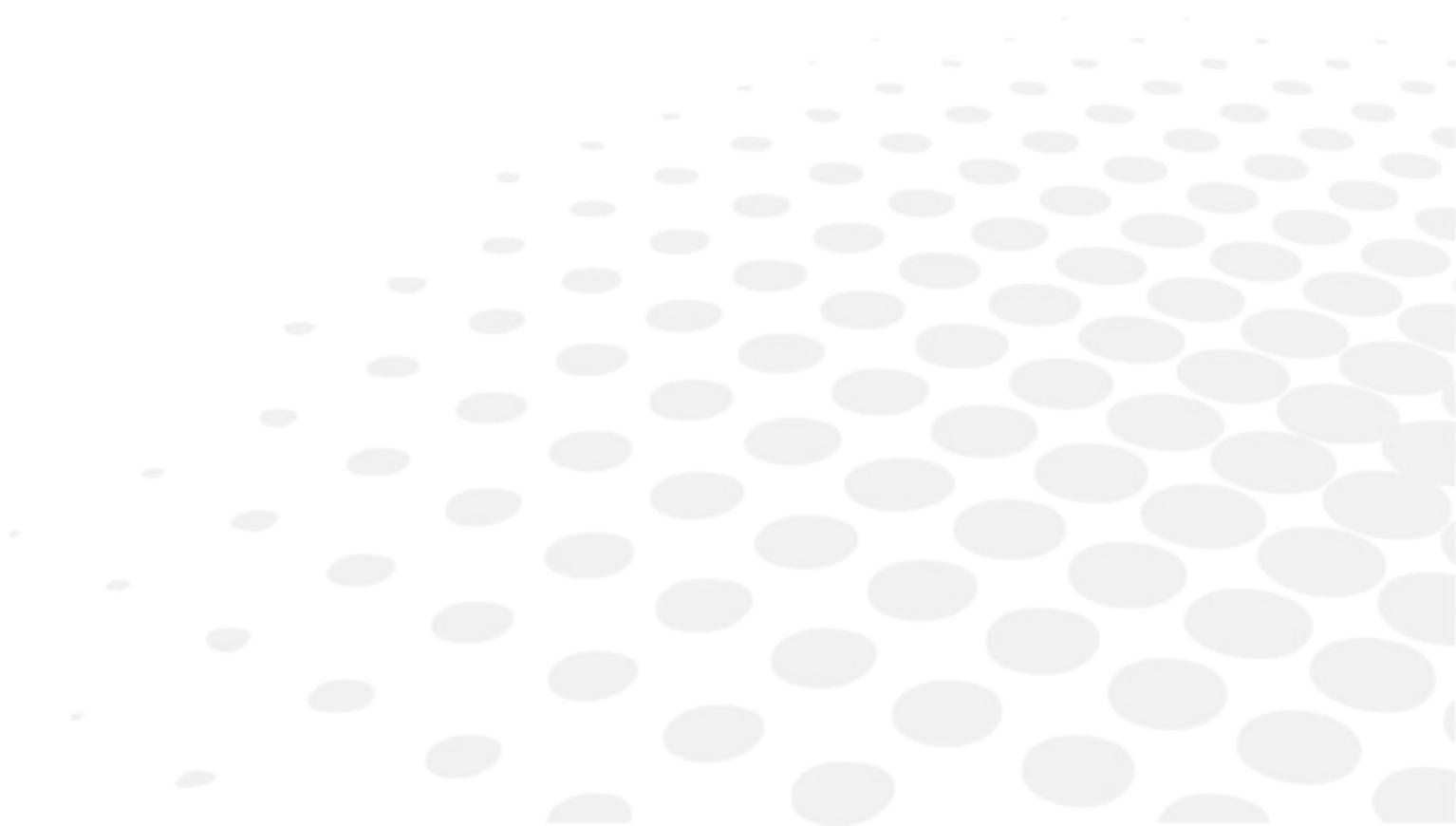
You do not end up with the file but its certified copy, created and placed in the "Jobs To Do" tab under "In Preparation" status.

It includes an automatically generated name.

You only need to:

- modify the data (prescription, job, shape, etc.);
- start an identical job again a job (lens replacement, etc.).

III. INTERACTIONS WITH THE MACHINES



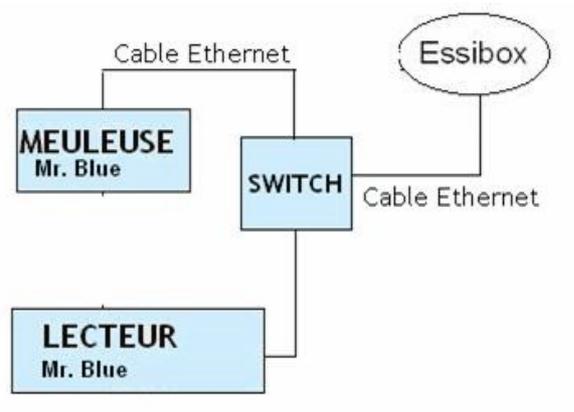
1. USING OF THE MR BLUE, MR. ORANGE, NEKSIA, DELTA 2 SYSTEM

a. Chain connection with Essibox

Mr Blue can function in network mode.

You can connect your Mr Blue tracer to Essibox edgers.

You can connect your Mr Blue edger to Essibox tracers.



b. Operating processes

With your Mr Blue tracer you have two types of modes to manage your daily work:

"I trace - I trace" mode



At the end of each tracing, the tracer will propose the tracing screen. In this way you will be able to connect all your tracings.

However, you can leave the centering screen at any moment, if you wish it.

"I trace - I center" mode



At the end of a tracing, your tracer will automatically propose the centering screen.

To configure the job coating type that you want to use, all you have to do is go to the setting menu and select the mode best suited to your needs.

You can fully process a job before proceeding to the following:

- tracing or recovery of a job via barcode
- database or Essibox
- centering
- shape modification (if necessary)

The user has at his disposal different ways of using the connections between the system component and the Essibox.

With a job registered on Essibox and located in the Essibox database is paired with a tracing or a shape from the libraries.

This job can be re-used, called up on the tracer-blocker as well as the edger using the barcodes.

From the moment when the frame shapes saved by the tracer can be differentiated, they are sent and stored in the Essibox database.

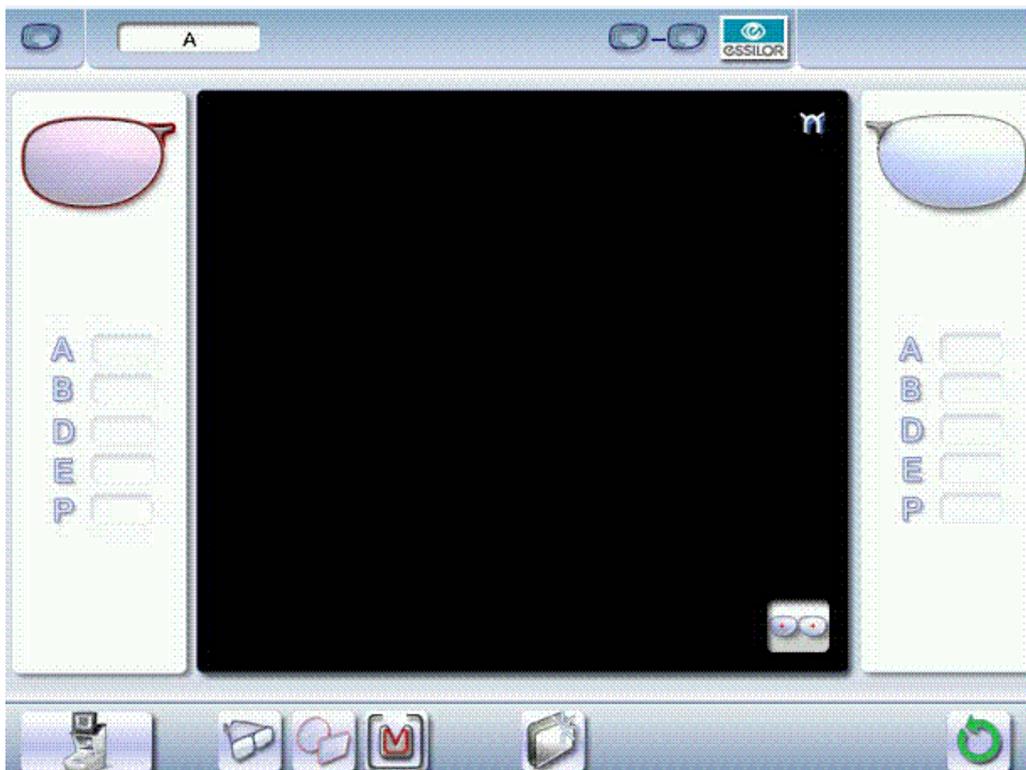
There are two types of barcodes (Code 39 standards):

- Using of the "Essibox" barcode, which calls up the job registered as "current" on the job interface;
- The single barcode for the job, printed by Essibox or the store management software.



If the model is new for the Essibox, it can be directly read by the tracer.

The indication of the job reference is a module which can be called up in the various tracing types.



The queued job reference is represented by the letter A in the information bar.

The job reference can be entered in 3 different ways:

1. No action before the launch of the tracing, "Current job":

In this case, at the beginning of the tracing, the system automatically assigns the letter A to the job.

This character is displayed in the job's reference area of the information bar.

The job is memorized only temporarily until the next current job (it is necessary to finish the all of the coating).

2. Entry of a "Reference" before launching the tracing:

A click in the job's reference area (1) opens a dialog box with the virtual keyboard;

The ID number is automatically assigned by your tracer. The first open slot in the shapes database will be proposed by default.

Nevertheless, you can modify it if you want. It can only be digital.



The reference can be alphanumeric (a number, a customer name, a frame reference, etc);

If the ID number already exists on the database, a warning message is displayed to ask you whether you want to erase this data.

If the answer is no, the small calculator appears again and proposes a free number in the job list.

After validating the entry in the dialog box, the ID est displayed in the action bar.

3. Reading of a "barcode" with the barcode reader, before launching the tracing:

If the reference is already used, the shape is displayed directly on the centering screen;

If not, the corresponding number in the action bar is displayed.

At the end of tracing, the job is memorized by its number in the jobs list.

c. Use

Shape acquisition

The Tracing is read or comes from a shapes library.

The shape is paired with the job

It is possible to perform shape modifications or drilling.

Definition of the job's finishing parameters

From the definition of the lens material to the value of front counter-bevel, all settings used for working on the edger are available on Essibox in "job definition" (☞ p.13) (for the tracer) and "finish" (☞ p.42) (for the edger): there is a lot of information concerning the job to be carried out available there.

This information is viewable on the page "job editing" (☞ p.14) of the Essibox: the job "references" are used to load the Essibox data to the tracer.

"Job data" table

"Prescription" tab:

This tab contains all information concerning each eye of the patient:

- Sphere
- Cylinder
- Axis

	Sphère	Cylindre	Axe	Addition
OD	0.00 δ	0.00 δ	0°	
OG	0.00 δ	0.00 δ	0°	
OD	Prisme	Axe		
OG				

"Measurements" tab:

In this tab, you'll find the data measured on the patient, the pupillary distances and the job height for example.

	Pd VL	Pd VP	H
OD	32.0 mm		15.0 mm
OG	32.0 mm		15.0 mm

	Angle pantoscopique	Distance verre-œil	Distance verre - CRO
OD			
OG			

Monture	Inclinaison de lecture	Galbe	Angle de cap de la tête

Personnalisation	Initiales	Ratio tête-œil	Stabilité

Once they have been re-entered and saved, these values can be transferred directly to the tracer using the barcodes.

“Frame” tab

In this tab you’ll find information concerning the frame as the gauge of each lens and the bridge between them.

- Gauge A = Lens width.
- Gauge B = Lens height
- R = the Bridge between each lens.

The data from Essibox is unchangeable and can be transferred via the barcode.

The data is only added during the feeling of the frames.

“Main data” table

In this table there is the data return for certain data saved in the “job data”:

Principales données			
	Pd VL	Pd VP	H
OD	32.0 mm		15.0 mm
OG	32.0 mm		15.0 mm
	A	B	D
OD	49.98 mm	28.05 mm	16.00 mm
OG	49.99 mm	28.04 mm	
	Vision		Matériau
OD	Unifocal		Haut index
OG	Unifocal		Haut index

In this table, you’ll find the frame height, the pupillary distances as well as the gauges for each eye and the bridge of the frame.

Here you’ll also find the type of vision, which is selectable. You have the choice between:

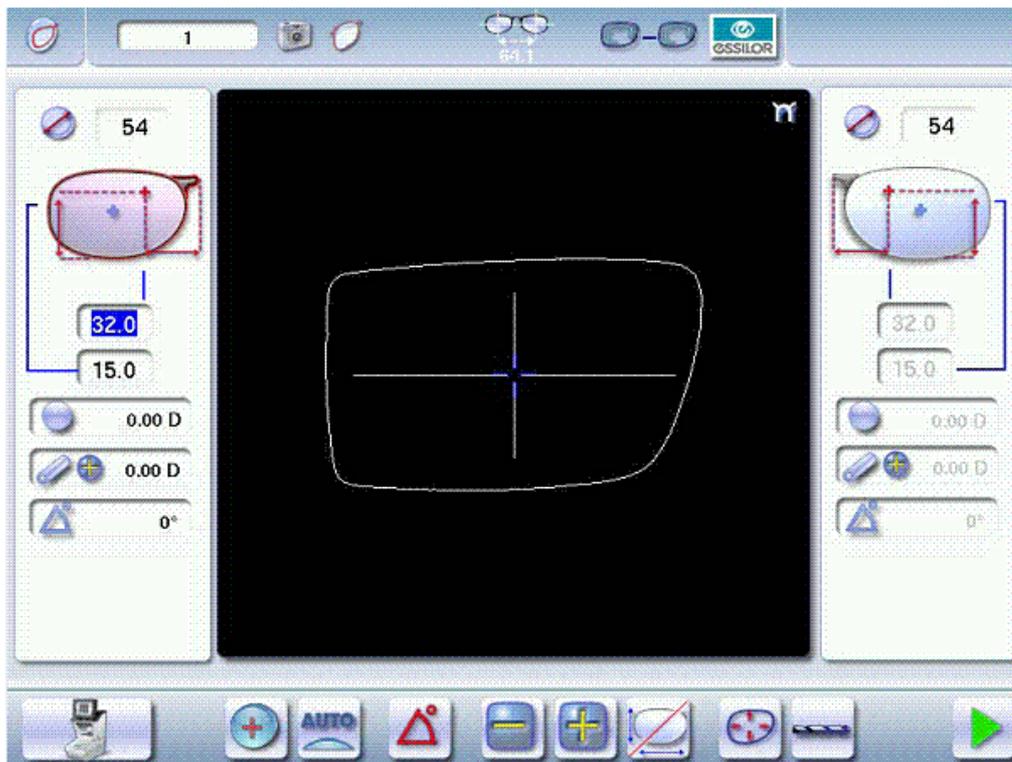
- Single vision
- Bifocal
- Trifocal,
- Progressive
- Mid-distance
- Executive

And the material:

- Plastic
- Polycarbonate
- Glass
- High index,
- Trivex

This data is transmitted from Essibox towards the tracer but it is also editable directly on the edger.

After loading a frame from the Essibox, the next page is displayed:



You'll find here the job reference, the job type, the pupillary distances, the centering of the lenses and the type of vision.

As well as the cylinder angle if single vision is being used.

Finishing wheel

You'll find in this window information concerning the lenses for each eye.

Matériau	Haut index
Cycle d'usinage	Fraisage
Type de montage	Percée
Position	Automatique
Distance	
Base monture	
Largeur rainure	
Profondeur rainure	
Chanfrein face avant	0,2 Fin
Chanfrein face arrière	0,2 Fin
Polissage	<input checked="" type="checkbox"/>

Data importable directly to the edger from the Essibox.

Lens material:

- Plastic
- Glass
- Trivex
- Polycarbonate
- High Index

Edging cycle:

- Normal
- EAS
- Milling

Mounting type:

- Plastic
- Metal
- Optyl
- Nylon
- Drilled

Position:

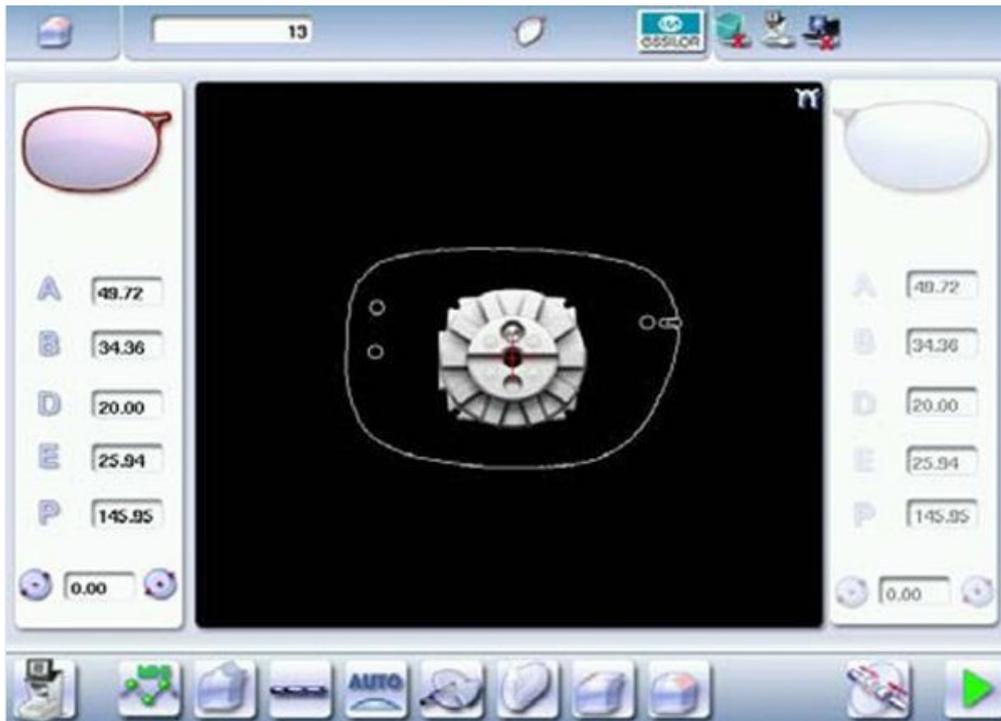
- Frame base tracking
- Centered percentage
- Automatic
- Front or back surface tracking

You can establish several settings here:

- the width and depth of the groove
- the front and back surface chamfer: none, small, large.
- polishing: with or without.

Only some of this information is changeable in the edger's menu: material, edging cycle, position, polishing.

Call up of the job in the edger via barcode:



Data directly imported to the edger from the Essibox:

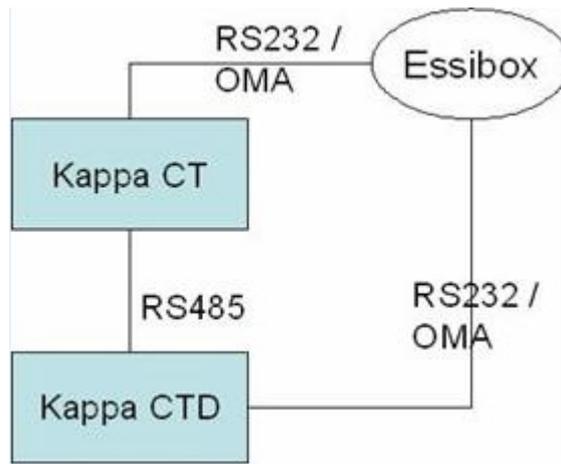
- Unique identifier for the job (digital, alphanumeric, special characters: %, +, -, /)
- Lens material
- Type of finish
- Drilling
- Edging type, included customized types
- Edging cycle type:
 - Normal
 - EAS
 - Milling
 - Polishing
 - Chamfering

2. USING OF THE KAPPA CTD CHAIN

a. Chain connection with Essibox

Essibox is connected to the Kappa CT or Kappa D tracer-centerer-blocker via a RS232 series cable. A second cable connects the edger to Essibox.

It is possible to connect to four machines through a serial link on an Essibox platform.



All the communications between Essibox and the machines are done in OMA protocol. In addition, the Kappa network between the tracer-centerer-blocker and the edger is preserved.

The machines are thus regulated in Kappa mode/OMA – ISO 16284.

b. Operating processes

The user can use the connections between Essibox and the digital system in various ways.

General information	With a job registered on Essibox, one pairs a shape from a tracing or a shape library. This job is called up on the centerer-blocker for lens blocking then on the edger using codes bars.
I trace I trace I trace	As soon as various frame acquisitions can be differentiated, it is possible to trace after all the frames: the shapes resulting from tracing are systematically entered and stored on the Essibox, "Acquisition" function.
I trace I center I edge	With a job registered on Essibox, one pairs a shape resulting from a tracing. The job is completed (shapes, finishes, etc.) then called up again on the tracer-centerer-blocker for lens blocking. A new barcode is called up on the edger. CAUTION: a call made on the edger for the job in progress on the tracer-centerer-blocker loses the finishing data defined on Essibox.
I trace A I center A I trace B I edge A I center B ...	Essibox allows the work completed between the various workstations to function in all the directions without being lost. So it is possible to perform a new tracing on the centerer-blocker before edging, with the finishing data coming from the Essibox itself and not the centerer-blocker.

There are two types of barcodes (Code 39 standards):

- Using of the "Essibox" barcode, which calls up the job registered as "current" on the job interface;

- The single barcode for the job, printed by Essibox or the store management software.

c. Use

Shape acquisition

The Tracing is read or comes from a shapes library.

The shape is paired with the job

It is possible to perform shape modifications or drilling.

Definition of the job's finishing parameters

From the definition of the lens material to the value of front counter-bevel, all settings used for working on the edger are available on Essibox in "job definition" (☞ p.13) (for the tracer) and "finish" (☞ p.42) (for the edger): there is a lot of information concerning the job to be carried out available there.

This information is viewable on the page "job editing" (☞ p.14) of the Essibox: the job "references" are used to load the Essibox data to the tracer.

"Job data" table

"Regulation" tab

This tab contains all information concerning each eye of the patient:

- Sphere
- Cylinder
- Axis
- Prism

	Sphère	Cylindre	Axe	Addition
OD	0.00 δ	0.00 δ	0°	
OG	0.00 δ	0.00 δ	0°	
OD				
OG				

"Measurements" tab

In this tab, you'll find the data measured on the patient, the pupillary distance and the job height for example.

Données de montage			
	Pd VL	Pd VP	H
OD	32.0 mm		15.0 mm
OG	32.0 mm		15.0 mm
Comportement Visuel			
	Angle pantoscopique	Distance verre-œil	Distance verre - CRO
OD			
OG			
Monture	Inclinaison de lecture	Galbe	Angle de cap de la tête
Personnalisation	Initiales	Ratio tête-œil	Stabilité

Once they have been re-entered and saved, these values can be transferred directly to the tracer using the barcodes.

“Frame” tab

In this tab you’ll find information concerning the frame as the gauge of each lens and the bridge between them.

Données de montage			
	A	B	D
OD	49.98 mm	28.05 mm	16.00 mm
OG	49.99 mm	28.04 mm	
Monture			
	Galbe	Épaisseur monture	Pont
OD	0.00 δ		
OG			

- Gauge A = Lens width.
- Gauge B = Lens height
- R = the Bridge between each lens.

The data from Essibox is unchangeable and can be transferred via the barcode.

The data is only added during the feeling of the frames.

“Round lens” tab

In this tab you’ll find all specific information on the basic lens.

Données de montage

Nom du verre

Fabricant du verre

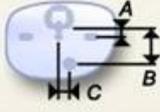
	Base verre	Indice	Matériau	Diamètre
OD	<input type="text"/>	<input type="text"/>	Polycarbonate	60 mm
OG	<input type="text"/>	<input type="text"/>	Polycarbonate	60 mm

Description PAL

Distance croix / PRP (A)

Longueur du couloir de progression (B)

Décentrement VP (C)



Traitement

Anti-reflet Photochromique

You'll find the lens name and the name of its manufacturer.

Then for each eye, lens base, its index, its material and its diameter.

Its PAL Description:

- Cross/PRP (A) Distance
- Length of the progression corridor (B)
- NV Decentration (C)

"Main data" table

In this table there is the data return for certain data saved in the "job data".

Principales données

	Pd VL	Pd VP	H
OD	32.0 mm	<input type="text"/>	15.0 mm
OG	32.0 mm	<input type="text"/>	15.0 mm

	A	B	D
OD	49.98 mm	28.05 mm	16.00 mm
OG	49.99 mm	28.04 mm	

	Vision	Matériau
OD	Unifocal	Haut index
OG	Unifocal	Haut index

In this table, you'll find the frame height, the pupillary distances as well as the gauges for each eye and the bridge of the frame.

Here you'll also find the type of vision, which is selectable. You have the choice between:

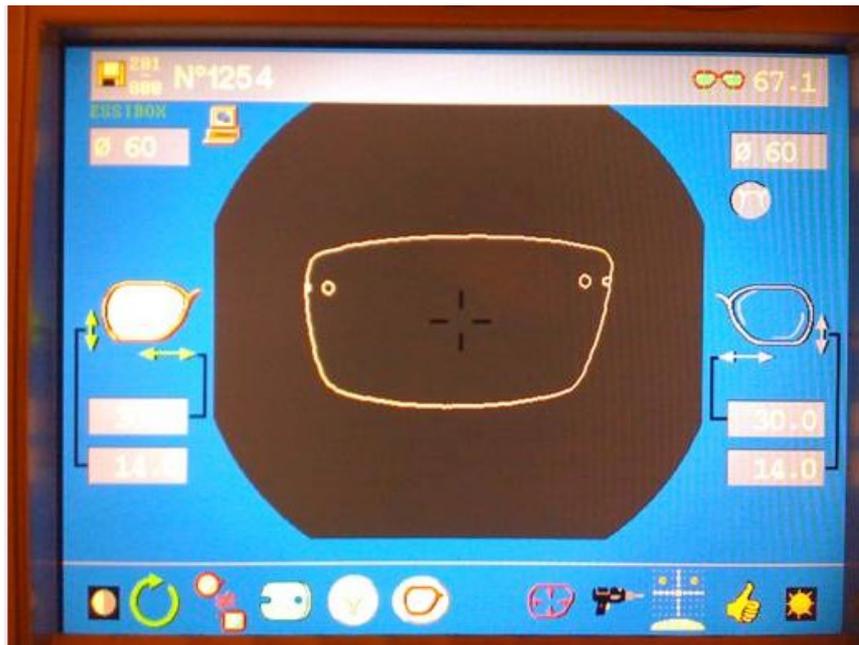
- Single vision
- Bifocal
- Trifocal,
- Progressive

- Mid-distance
- Executive

And the material:

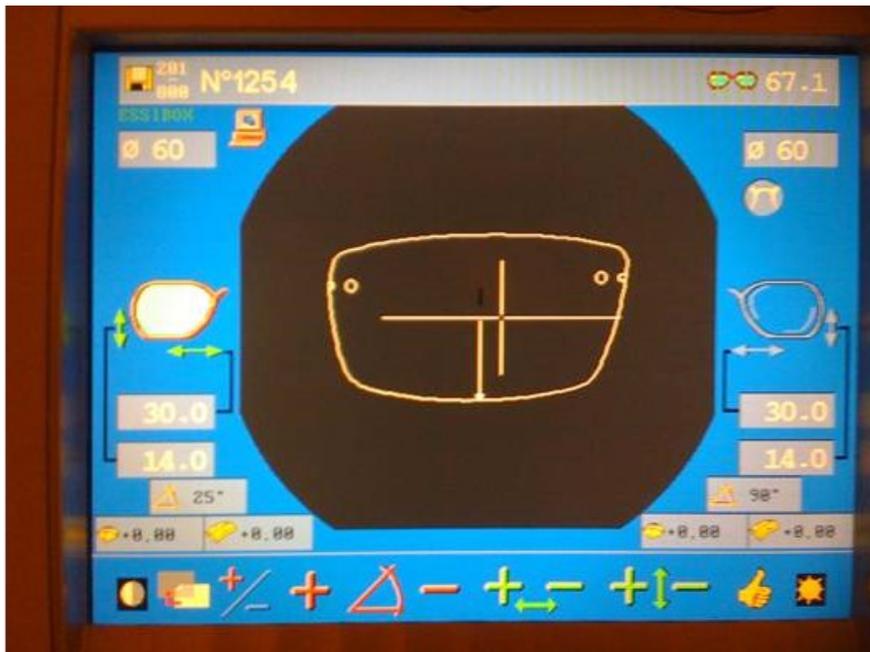
- Plastic
- Polycarbonate
- Glass
- High index,
- Trivex

Call up of the job in the tracer-centerer-blocker via barcode



Data directly imported in the tracer-centerer-blocker from the Essibox:

- Unique identifier for the job (digital, alphanumeric, special characters: %, +, -, /)
- Mounting type
- Pupillary distances and mounting heights (if not defined on Essibox, centering boxing by default)
- Types of vision
- Shape and all drilling settings.



For the single-vision lenses, automatic centering imports the axes of the cylinders.

Finishing wheel

You'll find in this window information concerning the lenses for each eye.

Matériau	Haut index
Cycle d'usinage	Fraisage
Type de montage	Percée
Position	Automatique
Distance	
Base monture	
Largeur rainure	
Profondeur rainure	
Chanfrein face avant	0,2 Fin
Chanfrein face arrière	0,2 Fin
Polissage	<input checked="" type="checkbox"/>

Data importable directly to the edger from the Essibox.

Lens material:

- Plastic
- Glass
- Trivex
- Polycarbonate

- High Index

Edging cycle:

- Normal
- EAS

Mounting type:

- Plastic
- Metal
- Optyl
- Nylon
- Drilled

Position:

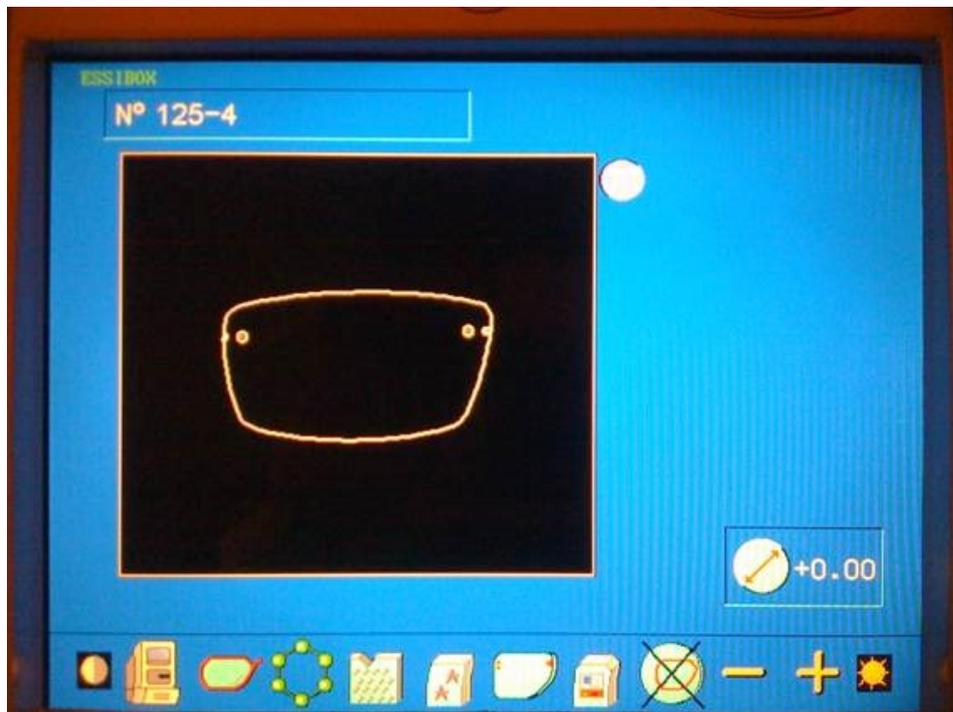
- Frame base tracking
- Centered percentage
- Automatic
- Front or back surface tracking

You can establish several settings here:

- the width and depth of the groove
- the front and back surface chamfer: none, small, large.
- polishing: with or without.

Only some of this information is changeable in the edger's menu: material, edging cycle, position, polishing.

Call up of the job in the edger via barcode



Data directly imported to the edger from the Essibox:

- Unique identifier for the job (digital, alphanumeric, special characters: %, +, -, /)

- Lens material
- Polishing
- Edging cycle
- Mounting type, included customized types
- Counter-bevel

3. USING THE TESS/E-TESS TRACER

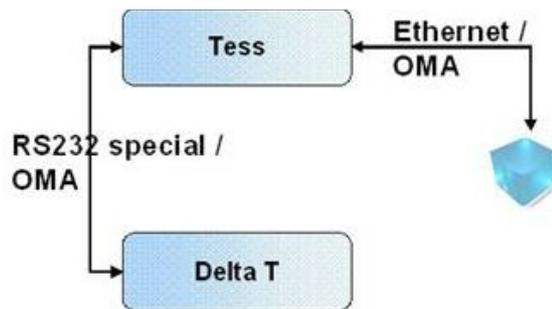
The Tess/E-Tess tracer is usable for shape acquisition with Essibox.

Since the tracer can be linked with the Delta T edger, this chapter presents a complete view of the digital system.

a. Connection of the Tess tracer to Essibox and Delta T

Essibox is connected to the Tess/E-Tess tracer via an RJ-45 Ethernet cable; a specific RS232 serial cable (Essilor reference) connects the tracer to the Delta T edger.

The addition of a RS232 cable in "Y" on the tracer allows you to link it with a barcode tracer (definition of the identifier for the tracing that will be performed).



All the communications between Essibox and the machines are done in OMA protocol.

b. Setting of the Tess/E-Tess tracer

	Protocol	Settings
Edger	Edger	RS232, 19200 bds, flow control
PC	PC OMA Eth	-

c. Delta T edger configuration

Operating process Delta T/Tess.

No barcode tracer on the edger.

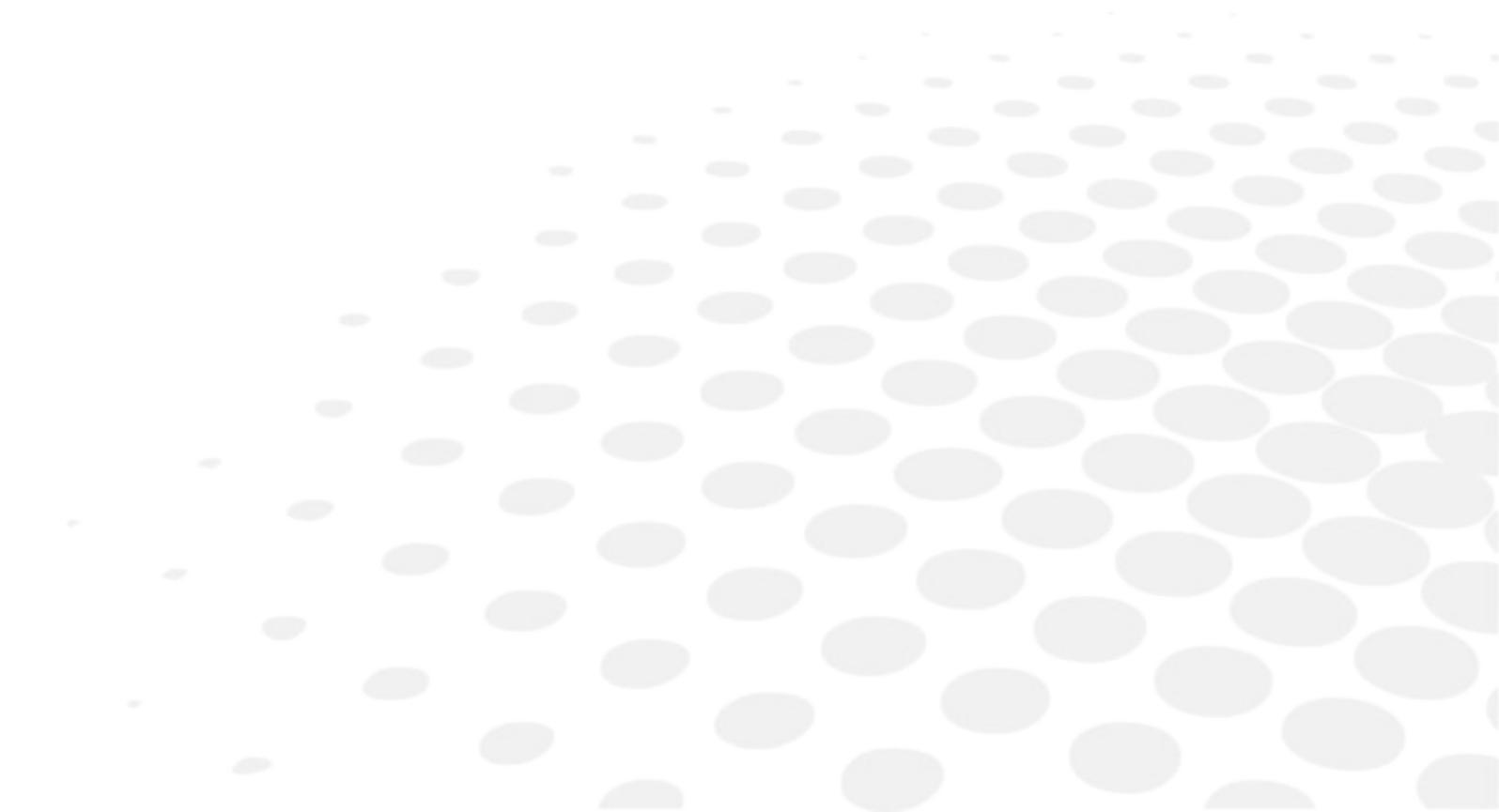
d. Use

The Tess/Delta T digital system is intended for the realization of local jobs. Nevertheless, the Tess connection with Essibox makes its use possible in a multi-site configuration.

Tess/jobs reference	
1 – 200	The traced shapes are for the exclusive use of the Delta T edger.
200 and alphanumeric codes	<p>The traced shapes are automatically sent to the Essibox.</p> <p>Identifier: manual entry or via barcode.</p> <p>The shape remains available for the Delta T edger under the current tracing "A" reference.</p>
Current tracing "A"	The shape is sent to the Delta T edger and the Essibox under the reference "A".

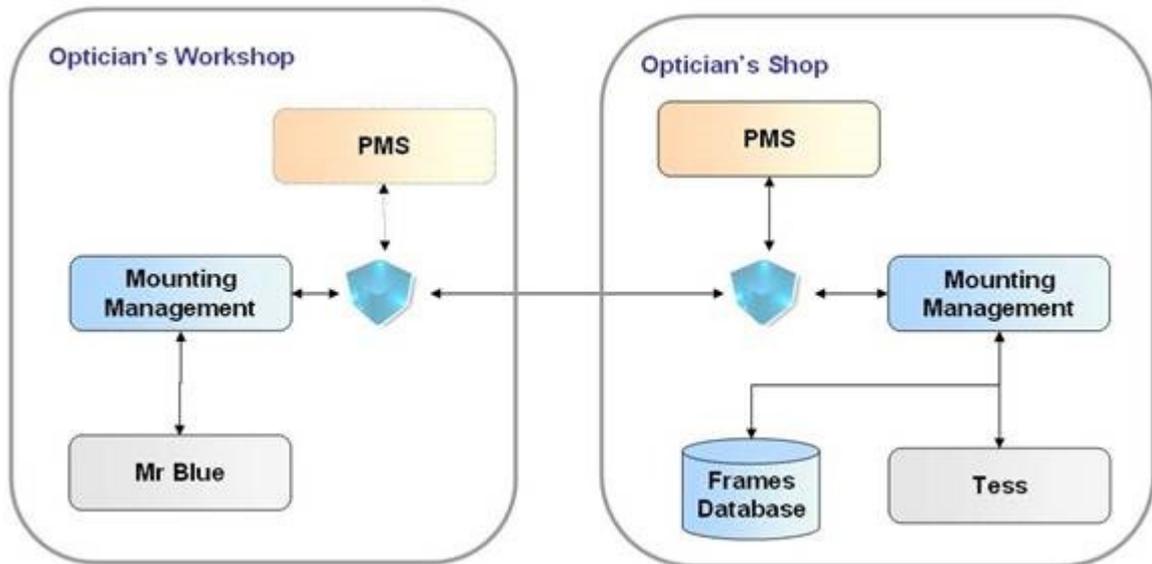
The Tess/E-Tess tracer, even connected to Essibox, can be used by tele-edging applications of (remote edging).

IV. MULTI-SITES



1. DEFINITION OF THE MULTI-SITES

The Multi-Sites option links up the geographically remote facilities equipped with Essibox.



A job is defined in a store.

Once it is sent, it can be tracked at any time by the store of origin through an integrated tracking system.

All the modifications performed by the remote workshop are returned unaltered to the store of origin.

This job transfer is completely different from the tele-edging services.

It is possible to perform several flows:

- Remote edging/remote mounting: the "workshop" performs the entire job, following the reception of the frame (sent, ordered, centralized stock);
- Remote edging/local mounting: the "Customer" store performs the job.

2. SETTINGS

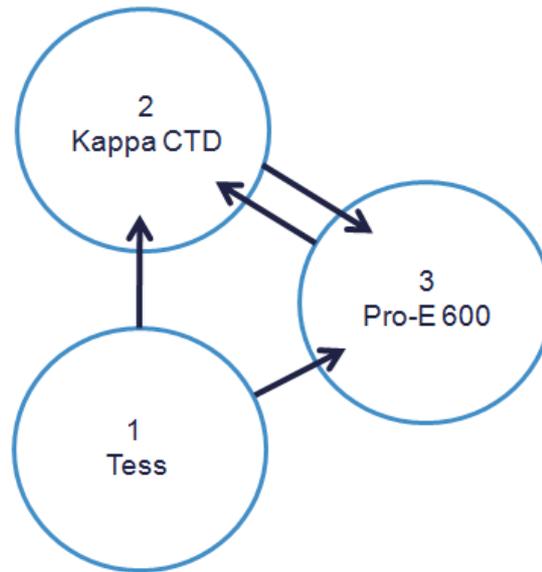
The Multi-Sites option is usable for all the stores wishing to send and/or receive jobs.

Configuration example between stores 1,2 and 3

- Store 1 is equipped with a Tess tracer
- Store 2 is equipped with a Kappa CTD chain
- Store 3 is equipped with a Pro-E 600 chain

Distribution of the capacities: store 2 transmits the cambered jobs to store 3;

Workload sharing: store 3 transmits the classic and drilled jobs to store 2 in the event of excessive workload.



3. OPERATING CONDITIONS

All the types of jobs can be transferred via Multi-Sites; nevertheless, certain frames with limited flexibility can not be adapted to this service (need for retouching or lenses are too small).

4. HOW TO CONNECT "CUSTOMER" AND "WORKSHOP" STORES

The Multi-Sites link is created between both entities:

- The store called "Customer": Sending the job to be performed to another address
- The store called "Workshop": Receiving the job to be performed.

The number of connections between retail outlets is not limited: two stores can be "customer" and "workshop" at the same time in order to distribute the workload as best as possible.

If you want to connect several "Customer" stores with a "Workshop", it will be necessary to repeat the procedure presented below for each store.

a. Step 1: the "Workshop" store is declared capable of receiving jobs

In the "Maintenance" menu, the "Id Card" function of the Essibox for the "Workshop" store, the activation of the Multi-Sites option allowed the new features to be displayed.

Select the button "Add a link" from the line "Creation of a reception link"; that generates a PIN code from 9 digital characters.

The screenshot shows the 'Identité' page in the Essilor Instruments software. The page is titled 'Identité' and displays the following information:

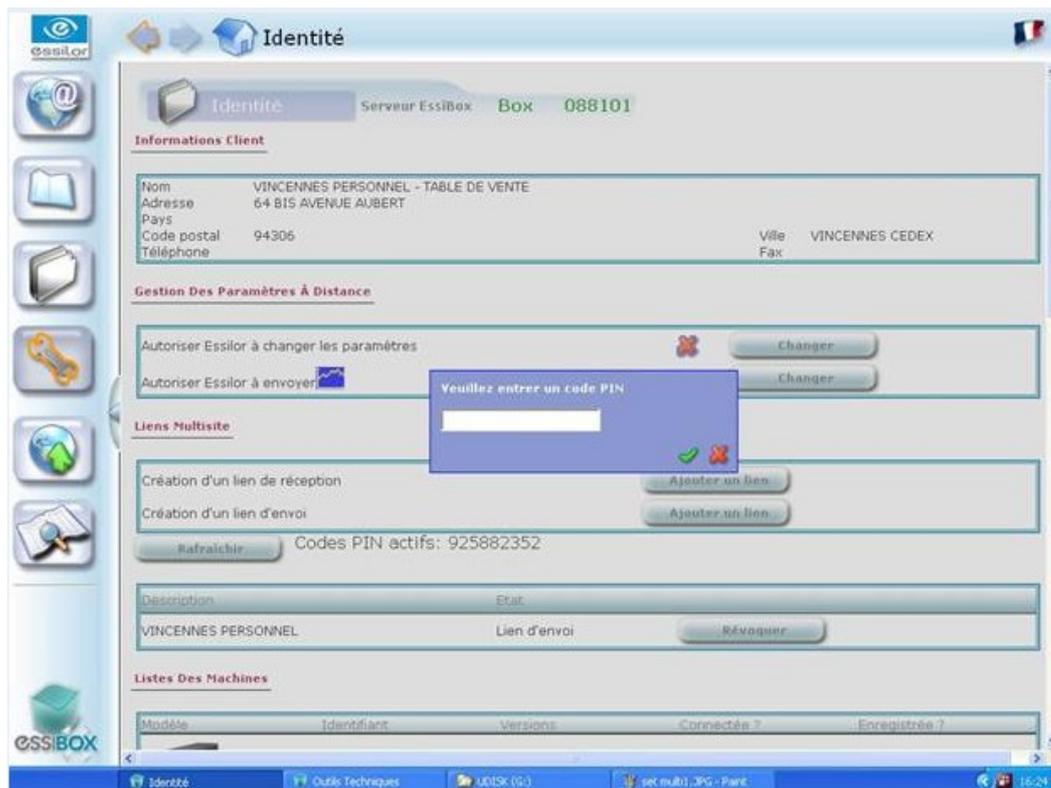
- Informations Client:**
 - Nom: ICS
 - Adresse: 64 bis Avenue Aubert
 - Pays: [Country]
 - Code postal: 94300
 - Téléphone: [Number]
 - Ville: VINCENNES
 - Fax: [Number]
- Gestion des paramètres à distance:**
 - Autoriser à envoyer: [Checked] [Changer]
 - Remonter les paramètres: [Checked] [Changer]
- Liens Multisite:**
 - Devenir magasin atelier: [Ajouter un lien]
 - Devenir magasin commanditaire: [Ajouter un lien]
 - Rafraîchir [Button] Codes PIN actifs:
- Listes des machines:**

Modèle	Identifiant	Versions	Connectée ?	Enregistrée ?	Actions
Server	111113 ESSIBOX_SERVER 192.168.75.119 D8:9E:F3:78:81:2B	V5.9.1.0	Oui	Oui	[Diagnostic] [Configure]
Mr Blue Blocker	052141 192.168.75.111	V9.30.19.0	Oui	Oui	[Diagnostic]

b. Step 2: the "customer" store is identified

In the "Maintenance" menu, the "Id Card" function of the Essibox, the activation of the Multi-Sites option allowed the new features to be displayed.

Select the button "Add a link" from the line "Creation of a sending link" and enter the previously generated PIN code (transmitted by the "Workshop" store over the phone).



c. Step 3: activation of the link

Select the button "Refresh" in the "Customers" and "Workshop" stores until the link is validated.

This Multi-Sites link will exist until it is removed by one of the two partners; in the event of its removal, a warning is generated on Essibox.

5. SEND A JOB TO A "WORKSHOP"

The transfer to the "Workshop" store is made job by job when the job status is changed.

: In the "Customer" store the job is in the "jobs to do" tab.

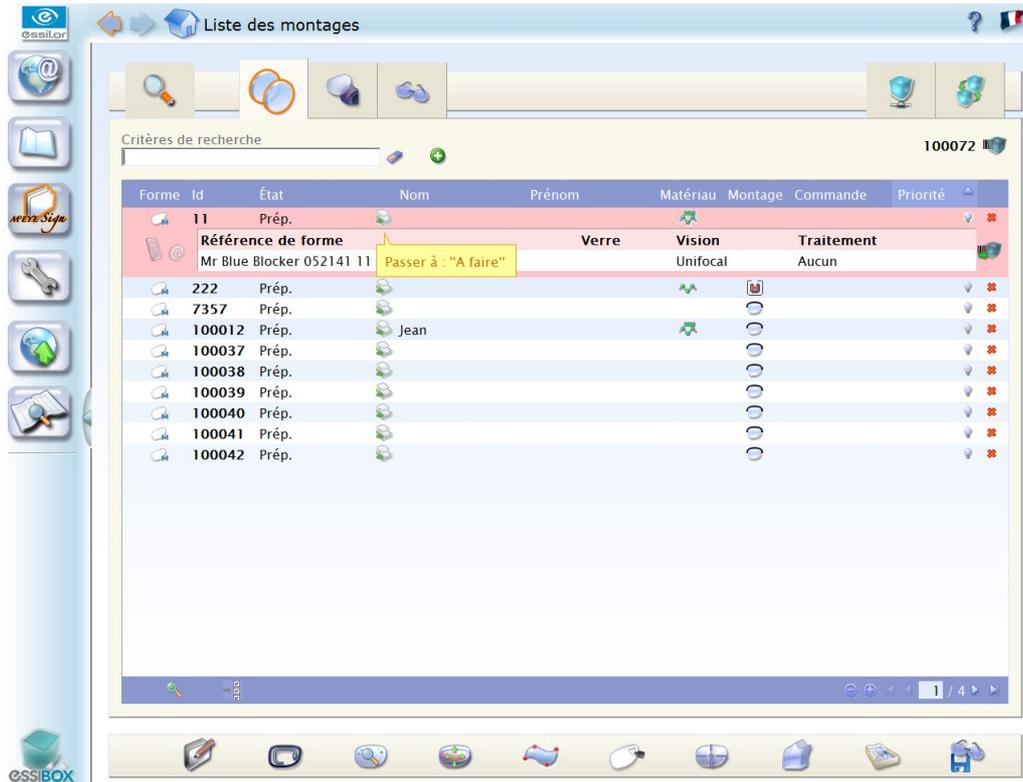
: In the "Workshop" store, after accepting this last one, the job is in the "Workshop" tab.

The job sent outside will be assigned a new reference for the Workshop; a "Customer" store reference/"Workshop"store reference link is available at any time via the "Multi-site" tabs.

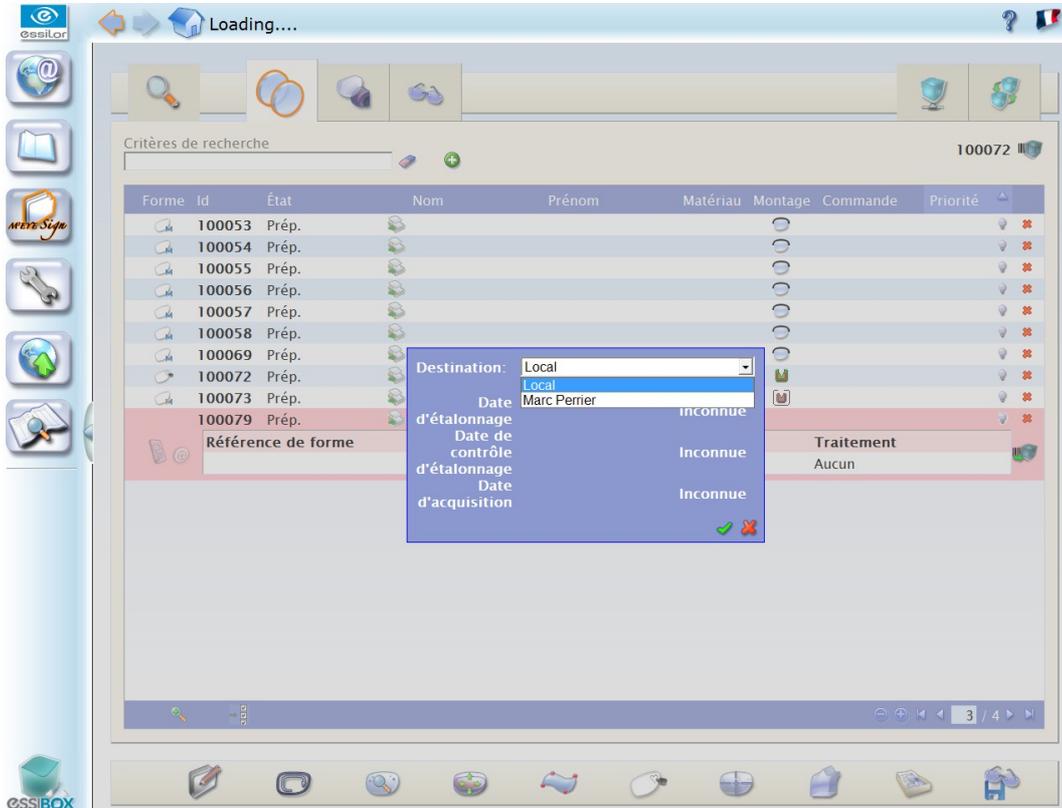
a. Step 1: sending the job to the "Workshop"

Select the job to outsource and change its status (click on the status icon): .

Changes from "In preparation" status to "To do" status.



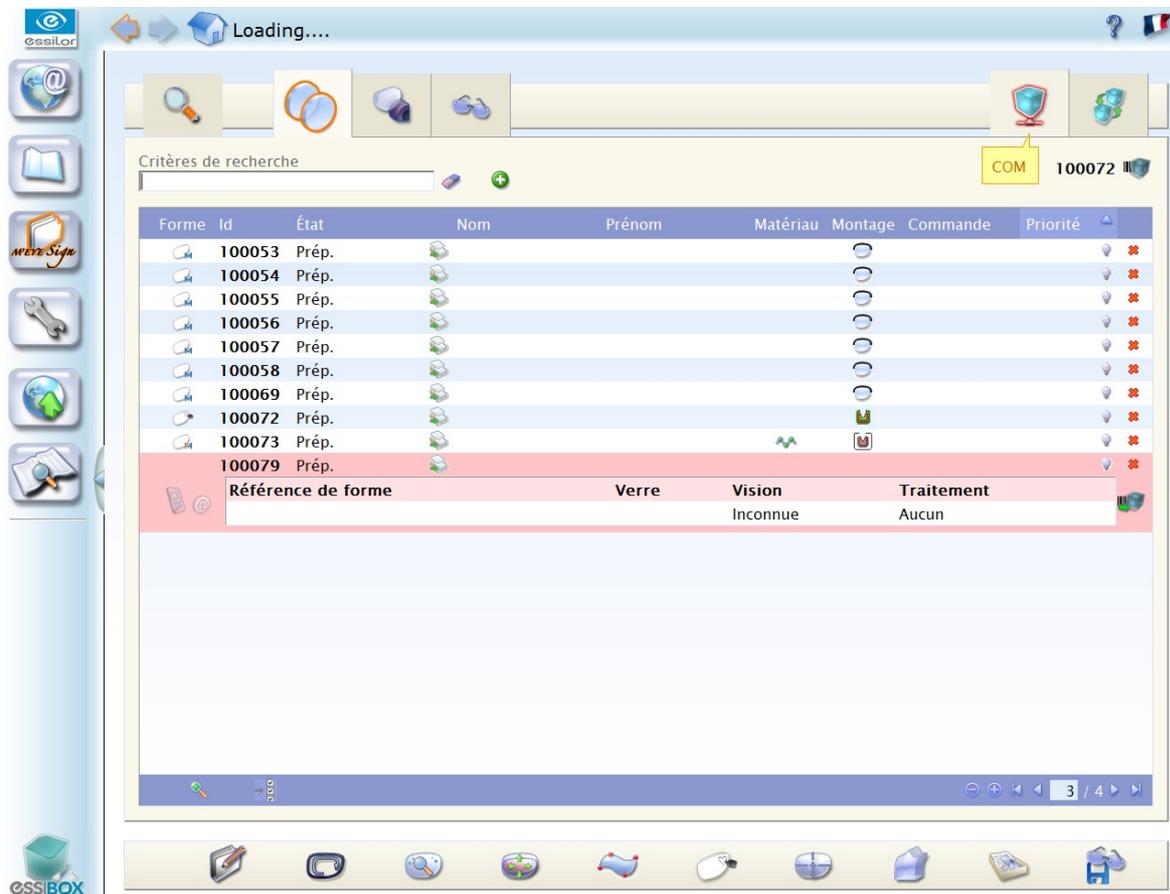
The system automatically proposes to perform the job locally, or to outsource it to the configured "Workshop(s)".



b. Step 2: the job is outsourced

The outsourced job can no longer be viewed in the "Jobs to do" and "Workshop" tabs of the "Customer" store; it is now available in the "Workshop" store.

<p>Customer store: The list of jobs that were outsourced to all the various workshops is in the "Off-site" tab</p>	
<p>Customer store: The list of jobs that were outsourced to all the various workshops is in the "Communication" tab</p>	
<p>Workshop store: The list of jobs that were outsourced to all the various "Customer" stores is in the "Communication" tab</p>	



c. Step 3: tracking the outsourced job

The "offsite" tab has the list of all the jobs outsourced by the "Customer" store during the consultation.

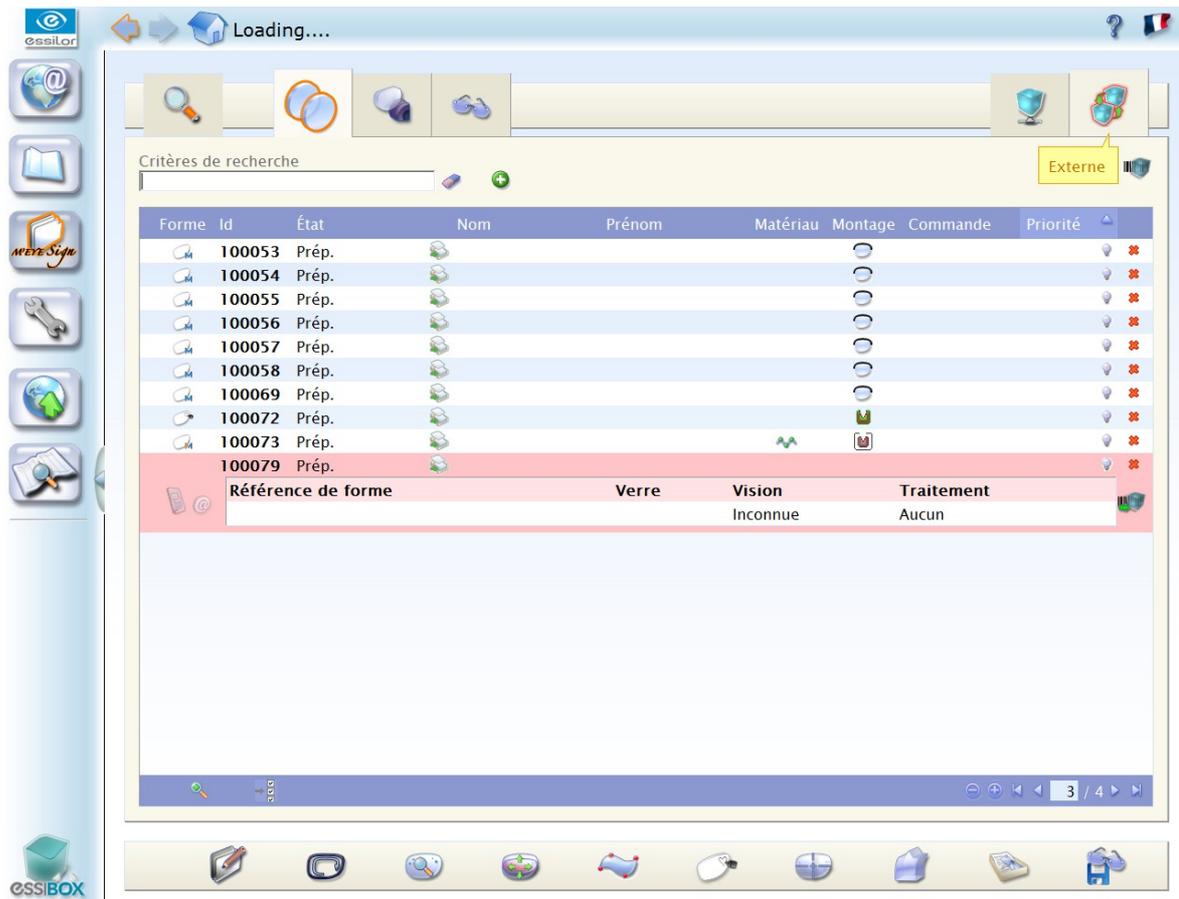
An Essibox job will therefore be found:

- In the tabs "to do", "Workshop" or "to deliver";
- In the store archives;
- In the "Offsite" tab for an outsourced job.

The "Communication" tab gives the tracking information.

for each job the following things are identified:

- Identity of the "Workshop" store;
- The job reference in the "Workshop" store;
- The Job reference in the "Customer" store;
- Identity of the wearer;
- The current status of the job, these statuses are updated automatically and systematically with the display of the "Communication" tab;
- The status report of the job in the "Workshop".



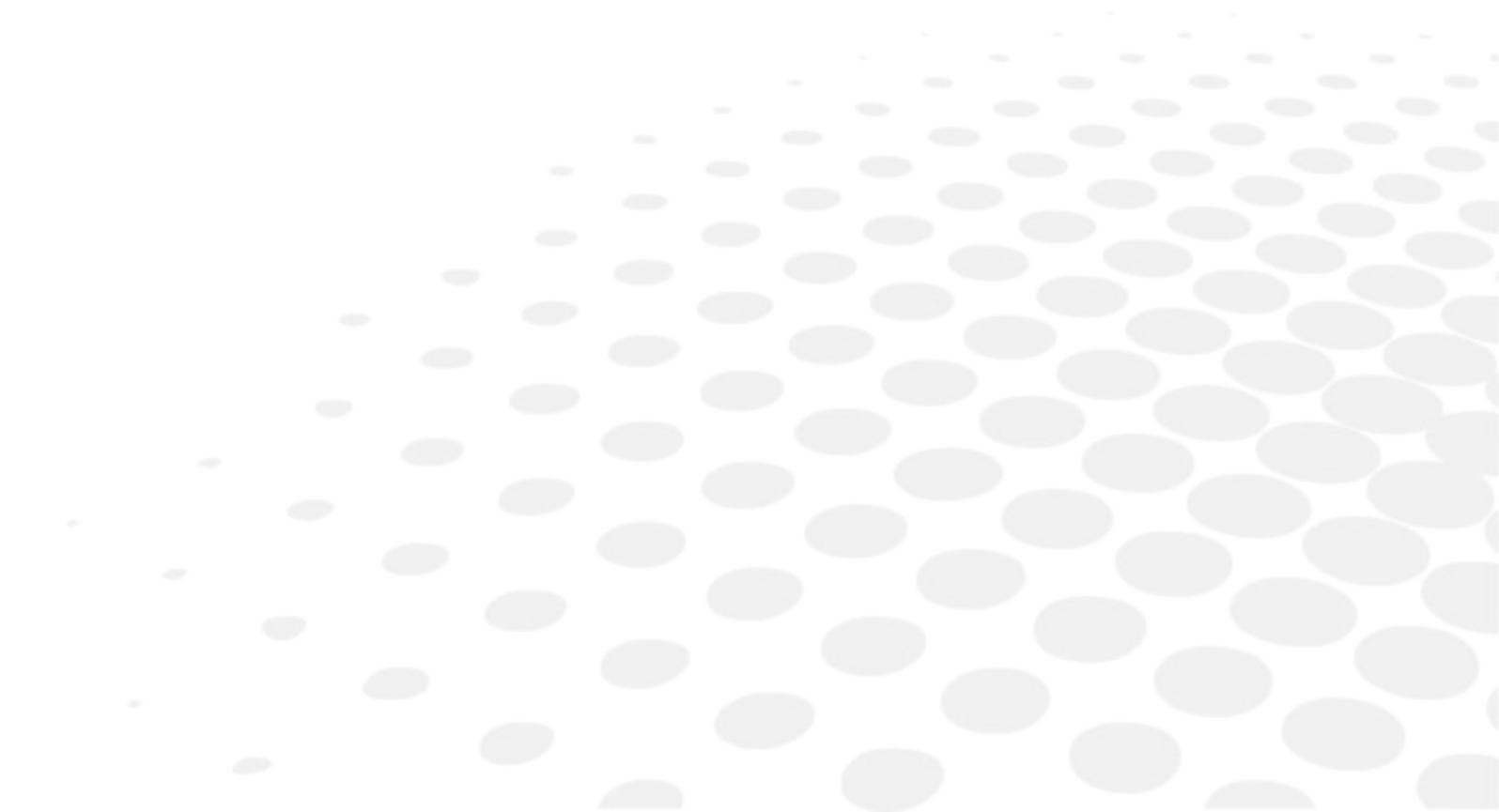
The transfer statuses are:

Submitted:	The sent job was not received yet by the "Workshop".
Received:	The sent job was received but not accepted yet by the "Workshop".
Accepted:	The job was accepted by the "Workshop"; it is then placed in the "Workshop" tab under a new reference with the status "To do"; In the event of refusal, the job is sent back to the "Customer" store.
Close:	The job was sent back to the "Customer" store and accepted by this store. It is then placed in: <ul style="list-style-type: none"> • the "to deliver" tab with "Completed" status for the remote edging/mounting operations; • the "Workshop" tab with the "In progress" status for the local edging/mounting operations.

The refused jobs:	According to the reason for the refusal, the operation differs: <ul style="list-style-type: none">• Refusal by the Workshop: the job goes back to the "Customer", in "In preparation" status.• Refusal by the Customers upon delivery by the Workshop: the job goes back to the "Customers", in "In preparation" status in order to restart a job• Removed in Workshop: the job goes back to the "Customers", in "In preparation" status for a new assignment
-------------------	---

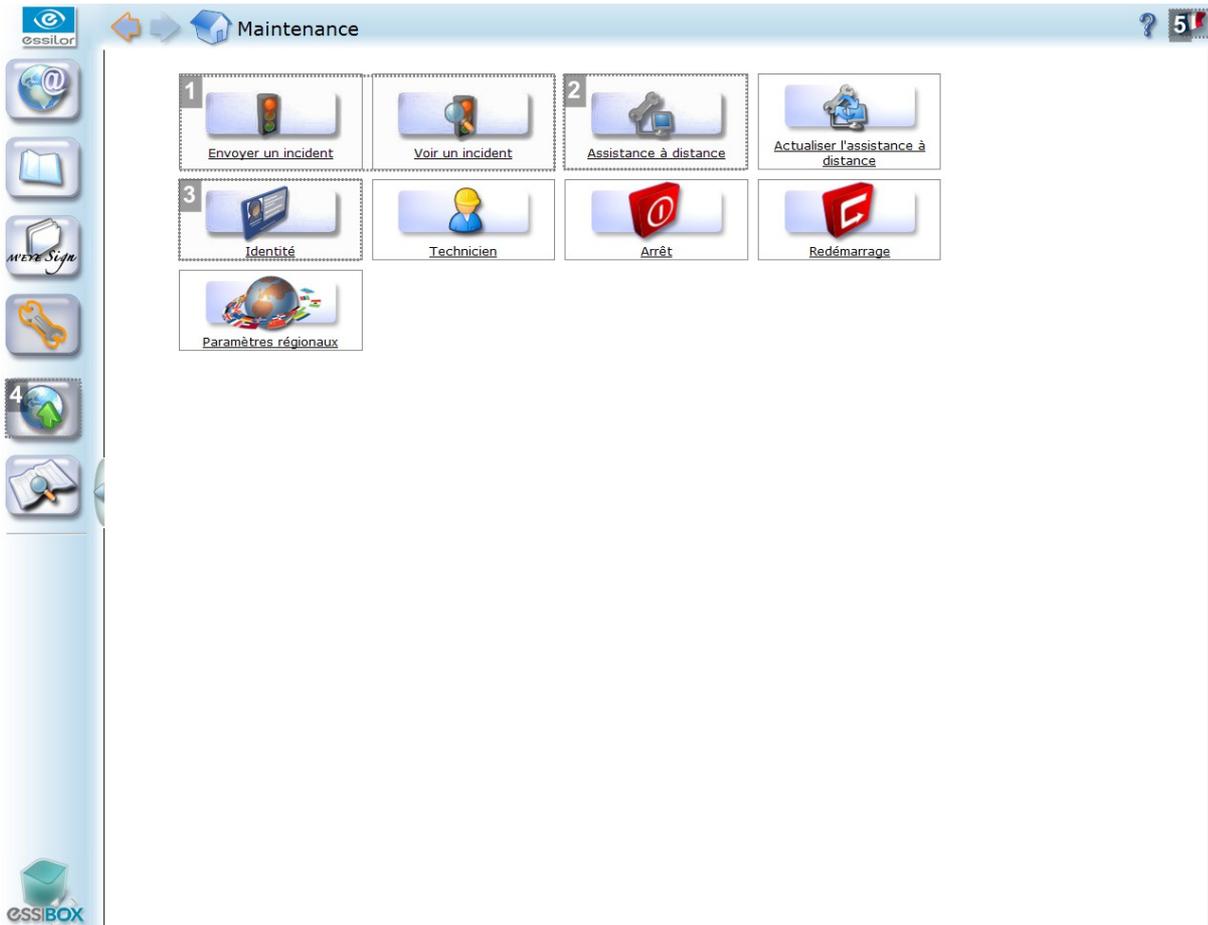
The "Customer" store can only see the jobs which belong to it: no view of other jobs transmitted to the same "Workshop" by other stores.

V. MAINTENANCE



From your Essibox, it is possible for you to:

- Ask for assistance on the Essilor hotline through a remote control
- Track the interactions performed between Essibox and the Essilor servers
- Control the configuration of your equipment (Identity) (☞ p.96)
- Send an incident declaration to the support technicians (☞ p.97)
- Manage the updates provided by Essilor for your Essibox Ready machines (☞ p.98)
- Modify operation settings of your Essibox. (☞ p.99)



1. Incident

Send an incident declaration to the support technicians

2. Remote assistance

Ask for assistance on the Essilor hotline through a remote control

3. Identity

Control the configuration of your equipment

4. Update

Manage the updates provided by Essilor for your Essibox Ready machines

5. Settings

Modify operation settings of your Essibox.

The remote control

You can ask for assistance from Essilor via a remote control software: the operators on the hotline will require you to give them a 6-digit username which will allow them to work on your Essibox.

This secure remote control is of course only functional if the Internet access works.

Interactions between Essibox and the Essilor servers

The interactions are always initiated by Essibox. Essilor does not enter a store on its own initiative.

All the interactions are carried out on secure HTTPS type lines.

1. CONTROL THE CONFIGURATION OF YOUR EQUIPMENT (IDENTITY)

The identity page makes it possible to follow the configuration of the Essibox platform in terms of software versions of the machines, multi-site configurations, or opening remote adjustment services (for example: modification through the Essilor hotline of the counter-bevel values of machines connected to Essibox).

This page is the equipment point of reference:

The screenshot displays the 'Identité' (Identity) management interface. The page is organized into several sections:

- Informations Client:** Displays client details such as Nom (ICS), Adresse (64 bis Avenue Aubert), Pays, Code postal (94300), Téléphone, Ville (VINCENNES), and Fax.
- Gestion des paramètres à distance:** Includes options to 'Autoriser à envoyer' (checked) and 'Remonter les paramètres' (checked), each with a 'Changer' button.
- Liens Multisite:** Provides options to 'Devenir magasin atelier' and 'Devenir magasin commanditaire', each with an 'Ajouter un lien' button.
- Codes PIN actifs:** A section for active PIN codes with a 'Rafraîchir' button.
- Listes des machines:** A table listing machines with columns for Modèle, Identifiant, Versions, Connectée?, Enregistrée?, and Actions.

Modèle	Identifiant	Versions	Connectée ?	Enregistrée ?	Actions
Server	111113 ESSIBOX_SERVER 192.168.75.119 D8:9E:F3:78:81:2B	V5.9.1.0	Oui	Oui	Diagnostic Configure
Mr Blue Blocker	052141 192.168.75.111	V9.30.19.0	Oui	Oui	Diagnostic

2. DECLARATION OF AN INCIDENT

If you encounter engineering problems while using one of your machines, Essibox gives you the option of sending an incident declaration directly to the dedicated technical support so that it is processed as soon as possible.

1 Click on "Maintenance" then on "Send an incident".

2 Enter the requested information necessary for processing the incident.

> Once the incident has been sent, you can follow the its processing by selecting it in "See an incident".

The screenshot displays the 'Essilor International Instruments' software interface. On the left is a vertical toolbar with icons for home, search, and various maintenance functions. The main area is divided into two sections:

- Fiche client:** A summary of client information.

Numéro du client	200000
Groupe D'Achat	
Nom	ICS
Adresse	64 bis Avenue Aubert
Ville	VINCENNES
Numéro de téléphone	
- Historique des incidents:** A table listing recent incidents with columns for Incident, Statut, Déclaration, Dernier évènement, Machine, Numéro de s..., Premier com..., and Dernier com...

Incident	Statut	Déclaration i...	Dernier évèn...	Machine	Numéro de s...	Premier com...	Dernier com...
47000		20/03/18 03:01	20/03/18 01:01	Serveur Essi...	111113	Le Service M'eye Sign expirera le 26/03/2018	Le Service M'eye Sign expirera le 26/03/2018
46937		15/03/18 03:01	15/03/18 01:01	Serveur Essi...	0917161	Le Service Essibox Pro expirera le 22/03/2018	Le Service Essibox Pro expirera le 22/03/2018
46816		07/03/18 11:40	07/03/18 09:40	Meuleuse Mr...	114801	Machine error:Tec120... description... contactez votre support avec les données du produit.	Machine error:Tec120... description... contactez votre support avec les données du produit.
46567		21/02/18 03:01	21/02/18 01:01	Serveur Essi...	0917161	Le Service M'eye Sign expirera le 29/02/2018	Le Service M'eye Sign expirera le 29/02/2018
46545		20/02/18 03:00	20/02/18 01:00	Serveur Essi...	0514246	Le Service Essibox Pro expirera le 27/02/2018	Le Service Essibox Pro expirera le 27/02/2018
46444		12/02/18 15:20	12/02/18 13:20	NEKSIA Edger	027810	essai de ticketing	essai de ticketing
46366		06/02/18 18:08	06/02/18 16:08	Serveur Essi...	111113	Machine error:HREGI... description.R... registry	Machine error:HREGI... description.R... registry
45603		14/12/17 03:01	14/12/17 01:01	Serveur Essi...	0415120	Le Service Essibox Pro expirera le 21/12/2017	Le Service Essibox Pro expirera le 21/12/2017
40640		22/12/16 12:23	22/12/16 10:23	Meuleuse	124139	Machine error:Tec150... description.E... course incorrecte. Vérifier qu'aucun objet ne gêne le mouvement de l'escamotage.	Machine error:Tec150... description.E... course incorrecte. Vérifier qu'aucun objet ne gêne le mouvement de l'escamotage.
35310		12/11/15 17:19	12/11/15 15:25	Installation	200000	Vérification d'audit	Scheduled for cizeau

In addition to this feature, the communication between Essibox and all your Essibox Ready machines can alert you in real time of a problem which may have occurred on one of your machines.

In a store, in the jobs management, Essibox uses the flickering associated with an incident, and a warning appears on the right top of your screen. To learn about the details of the warning, click on the icon.

3. ESSIBOX AND MACHINE UPDATE

From your Essibox, it is possible for you to update all the your store's registered Essibox Ready machines.

The updates are performed on Essibox during automated contacts with the Essilor servers, without slowing down its operation.

The user will have to validate the software update, which it sends to Essibox or a machine. On the machines, a second validation can be required of the user.

Only two update categories are performed automatically: the Microsoft versions and the anti-virus ones.

- 1 Click on "Update".



> You will find the update status of each one of your registered machines in the right-hand column.

- 2 If a new version is available for one of the machines, click above and the update will be done automatically.



You can edit the version of each one of your machines while returning to the "Maintenance"/"Identity" part.

4. SETTINGS

This module allows you to modify the operation settings of your Essibox.

Main interface:

Etat des services

Télemaintenance		✓	
Montage		✓	
Organising Vision		✓	
Multi-sites		✓	
SMS		✓	
3G		✓	
Meye Touch	/0	✗	+
WEYE Sign	114801/1	✓	+

Acquisitions de formes

Flux Job	<input type="checkbox"/> Par défaut	Essibox centré
Utilisation des formes issues du lecteur	<input type="checkbox"/> Par défaut	Mise à jour d'un job existant ou création d'un job
Mode péniche : pour une même référence, archivage automatique du job existant et création d'un nouveau job	<input type="checkbox"/> Par défaut	Activé
Passage à "En cours" après blocage	<input type="checkbox"/> Par défaut	Après blocage du premier verre du job
Passage automatique à "monté"	<input type="checkbox"/> Par défaut	Passage à "monté" sur fin d'usinage
Délai avant que les jobs créés par une acquisition soient archivés (0=jamais)	<input checked="" type="checkbox"/> Par défaut	20
Premier Job permanent	<input checked="" type="checkbox"/> Par défaut	
Dernier Job permanent	<input checked="" type="checkbox"/> Par défaut	

Job management

Délai en jours avant d'archiver les jobs livrés	<input checked="" type="checkbox"/> Par défaut	3
Délai en jours avant de passer les jobs trop anciens en livré (0=jamais)	<input checked="" type="checkbox"/> Par défaut	0
Délai en jours avant de passer les jobs montés trop anciens en livré (0=jamais)	<input type="checkbox"/> Par défaut	1
Délai en jours avant que les acquisitions en librairie soient effacées (0=jamais)	<input checked="" type="checkbox"/> Par défaut	20
Numéro du prochain job		100073
Référence	<input checked="" type="checkbox"/> Par défaut	Boxing



All viewable but non-editable settings are intended to be seen by the user. Only a technician can modify their values.

The interface is composed of 7 categories:

1. Services Status
2. Shape acquisition
3. Job management
4. Online browsing
5. OpsysWeb
- 6.. Machine connection
7. Essilor web

a. Services Status

The Services status allows the user and the technician to ensure that the various services are operating correctly.

The various services are:

- Remote maintenance: remote maintenance of your hardware
- Job management: management of the jobs
- Organizing vision: connection between Essibox/fitting/store management software/optometry
- Multi-sites: multi-stores connection via Essibox
- SMS: SMS transmission to the wearers for delivery tracking
- 3G: job tracking on a 3G telephone
- Creative shaping: M'Eye Touch module
- Engravings: M'Eye Sign

The icon  means that the service is active and operational.

The icon  means that the service has been interrupted.

b. Shape acquisition and flow automation

The user can work on 5 settings:

Use of shapes from the tracer

Allows the usage definition that you want to do for the traced shapes on a tracer.

Possible choices:

- By default: acquisition library.
- Filing the traced shapes in the acquisition library.
The shape arrives automatically in the Acquisition menu.
It is necessary to select the job, then go into acquisitions in order to pair it with a shape.
- Update of an existing job
Pairing between the job and the shape is automatic, thanks to the identical identifier job/tracing.
- Update of an existing job or creation of a job
Creation of a job from the traced shape.

Tray mode

If you want to create a job (via a Tess tracer, a Mr. Blue tracer or an Essibox) with an already existing reference in Essibox, this last will be archived automatically.

Thus, the new job is created without losing the old one.

Possible choices:

- Inactive (by default)
- Activated

Change to "In progress" after blocking

Automatic status change after lens blocking or loading of a new job in the centrer/blocker.

Possible choices:

- Inactive (by default)
- After blocking of the first lens of the job

Automatic change to “Completed”

Automatic status change after edging of the two lenses or a loading of a new job in the edger.

Possible choices:

- Inactive (by default)
- After edging and calling up a new job on the edger
- Change to “Completed” on edging finish

Time before the jobs created by an acquisition are archived

Depending on the choice of “Use of shapes from the tracer”

Possible choices:

- By default (time frame = 20 days)
- Enter the selected time frame (in days)

c. Job Management

The user can work on 5 settings:

Time in days before automatically archiving delivered jobs

Possible choices:

- By default (3 days)
- Another choice entered by the user
- Automatically

Time in days before changing very old jobs in “delivered”

Possible choices:

- By default (0 days) (0 days = never archived)
- Another choice entered by the user.

Time in days before acquisitions in library are automatically deleted

These settings allow you to limit the size of the lists.

Possible choices:

- By default (0 days; 0 = never)
- Another choice entered by the user.

Reference

Essibox centering mode.

Possible choices:

- By default (boxing)
- Datum

SMS Messages

Possible choices:

- By default: "Hello, please feel free to come pick up your glasses. We are open Monday to Saturday from 9 AM to 7 PM)"
- Enter message of your choice.

Automatic tab change

If the status change of your job involves a tab change, then this one will be carried out automatically so that you can track your job.

Possible choices:

- Activated (by default)
- Inactive

d. Online browsing

The Essibox is a server intended for the optician. Its reliability is a key point for the professional.

To limit its vulnerability vis-a-vis the viruses on internet, the Essibox server has a list of authorized sites. Browsing will be automatically blocked when visiting an unauthorized site.

If the optician wants to authorize a site, it can enter the password created for this purpose during browsing.

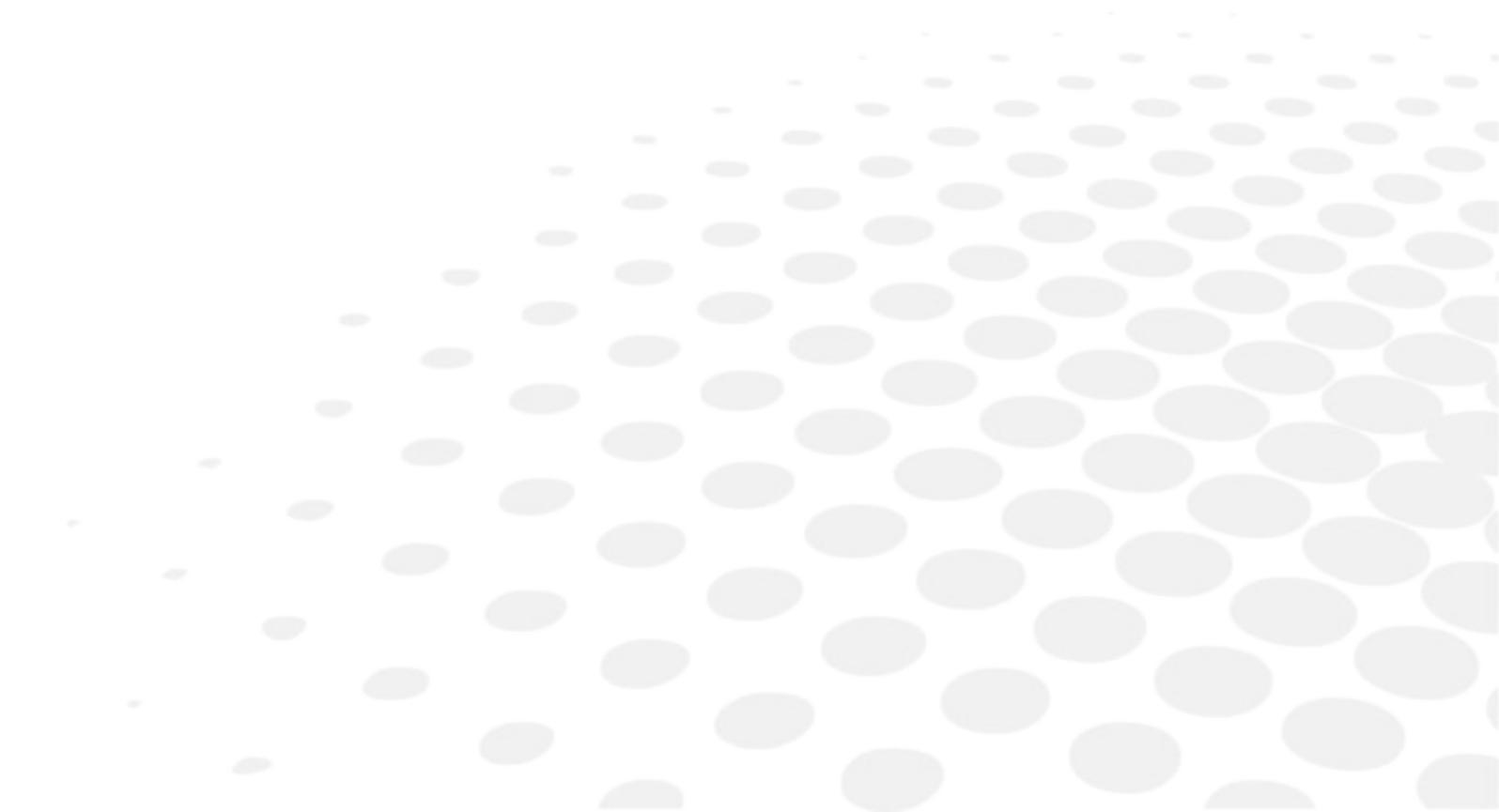
The Essilor technician can modify this password.

e. OpsysWeb

OpsysWeb settings are all modifiable by the technicians.

They allow lens orders, with or without shapes, made from OpsysWeb to be imported onto Essibox.

VI. REFERENCE BASELINES



1. DRILLING REFERENCE BASELINES FOR THE SHAPES LIBRARY

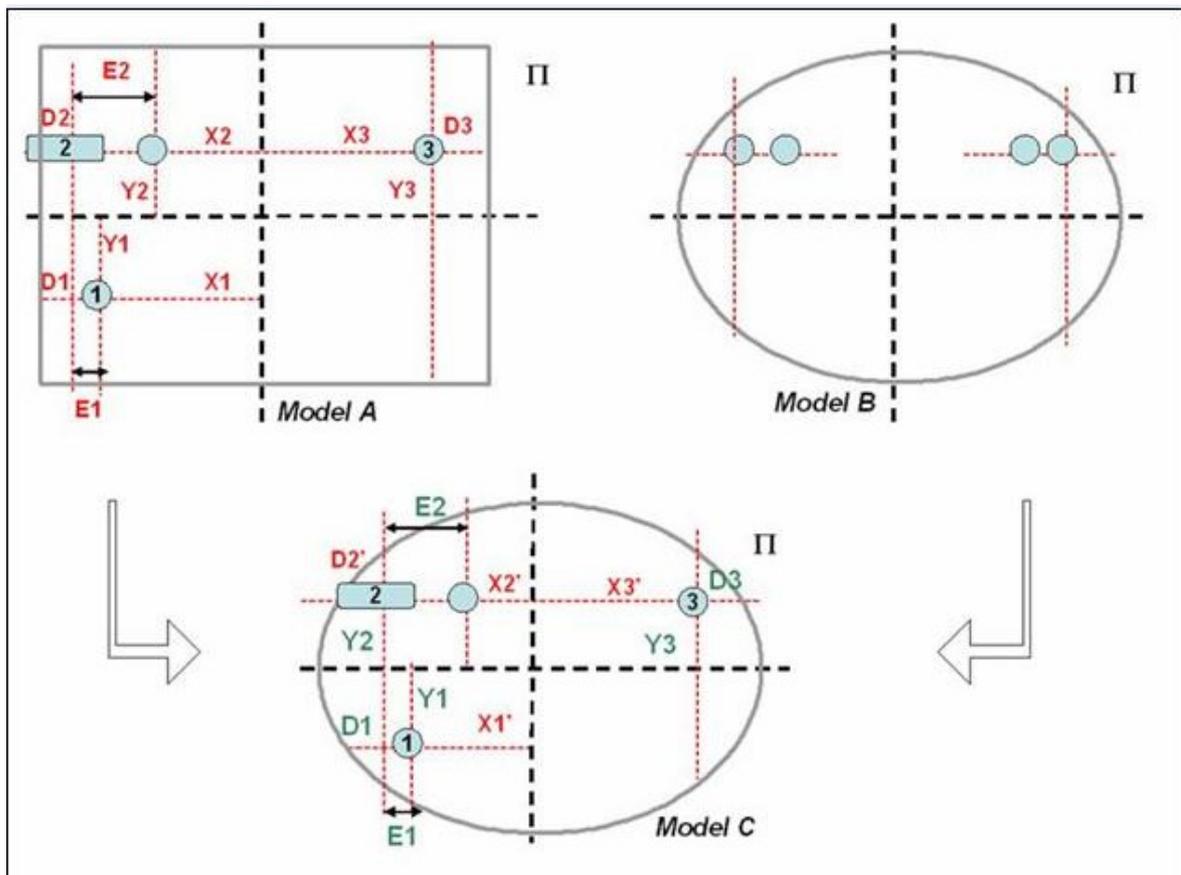
The association of a "Shape B" pattern and "shape A" drilling meets the points positioning rules by taking into account the boxing center and the lens-edge distances. In fact, the drilling defined on a rectangular shape cannot simply be placed on an ovalized shape.

The reference point is the point located closest to the bottom, the temporal and the nasal areas. The pivot coordinates are:

- The vertical position compared to the boxing center
- The distance to the lens edge

The diagram presented below details these positioning, for pairing the model B pattern with model A drillings:

- X: horizontal distance to the boxing center
- Y: distance vertical to the boxing center
- R: horizontal distance to the lens edge
- E: gap between the drilling points



Drilling	X original	Y original	Intended X	Intended Y	Original lens-edge distance	Intended lens-edge distance
1	X1	Y1	$X1' < X1$	Y1 No modification:	D1	D1 Reference point
2	X2	Y2	$X2' < X2$	Y2 No modification:	D2	D2 Distance imposed by the conservation of the E1 variation between drill-holes 1 and 2
3	X3	Y3	X3	Y3 No modification:	D3	D3 Reference point

There is a reference drilling point in the temporal and nasal areas.

The point of reference preserves the lens-edge distance and the ordinate at the boxing center; the X-coordinate at the boxing center is thus the result of the first two settings.

As the difference between drill-holes is preserved, the lens-edge distance of the drill-holes depends on the position of the reference drill-hole.

2. DRILLING REFERENCE BASELINES FOR THE DRILLING EDITOR

The diagram presented below details the drilling positioning reference baseline

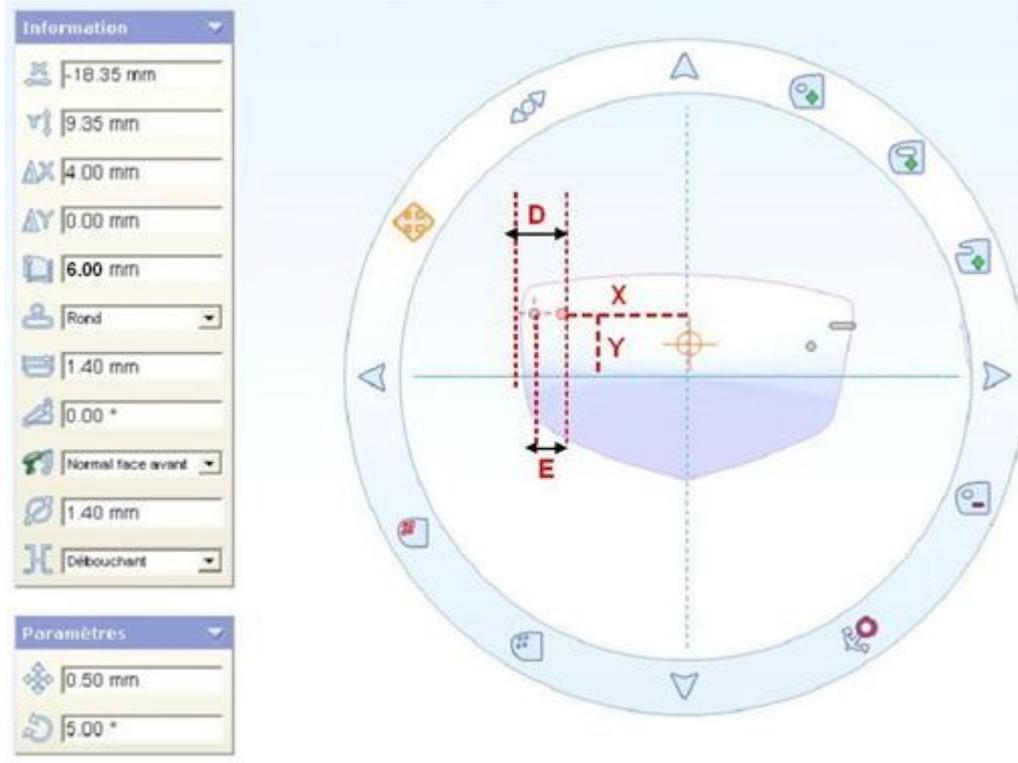
X: horizontal distance to the boxing center

Y: distance vertical to the boxing center

R: horizontal distance to the lens edge

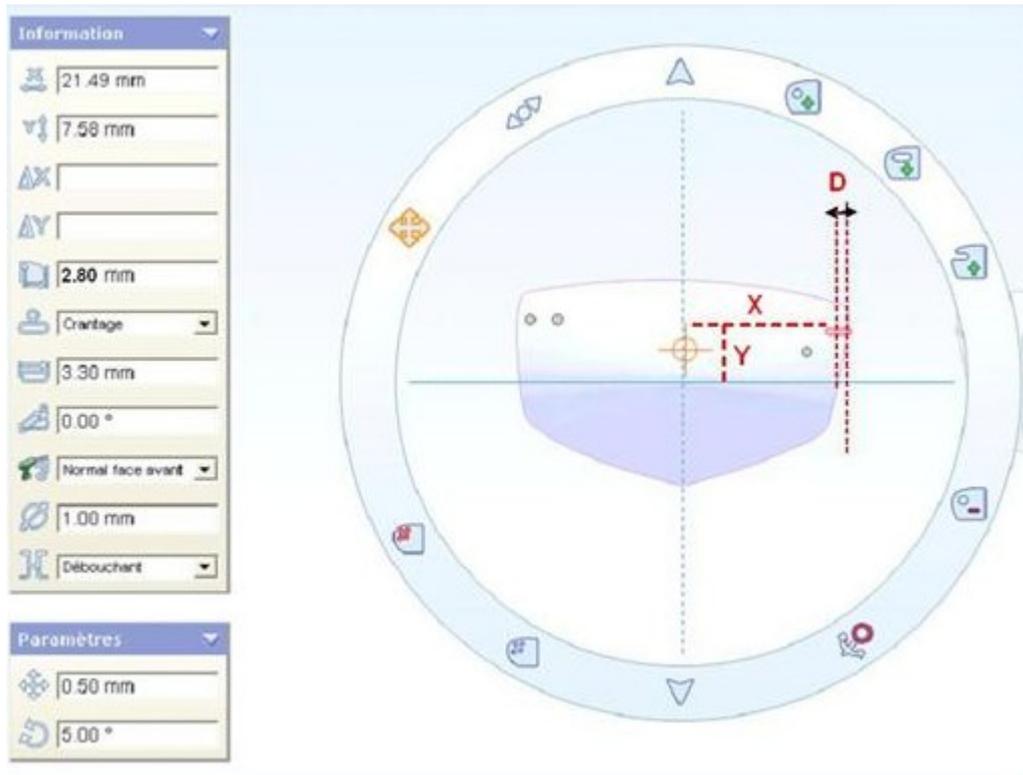
E: gap between the drilling points

The temporal drill-hole is considered as a reference point



	X	Y	X Variation of the reference point	Y Variation of the reference point	Lens-edge distance	Comments
Drilling	-18.35 mm from the boxing center	+9.35 mm from the boxing center	Delta X = + 4 mm Located at 4 mm on the right side of the reference point	Delta Y = 0 On the same axis as the reference drill-hole	D= 6.00 mm	Length of drill-hole = drill-hole diameter because the drilling is round

Positioning of the notch in nasal

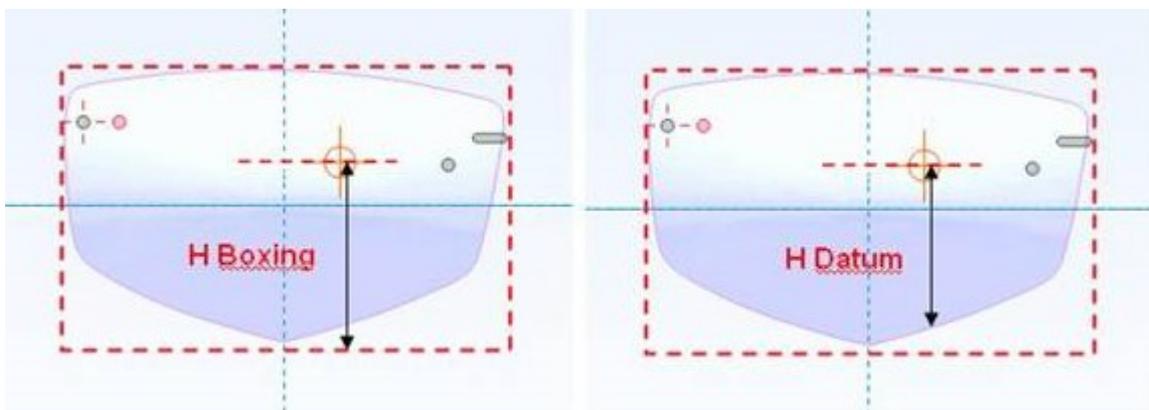


	X	Y	Lens-edge distance	Comments
Drilling	+21.49 mm from the boxing center	+7.58 mm from the boxing center	D= 2.80 mm	Length of the notch (3.30 mm) = ½ diameter of drill-hole (0.50 mm) + lens-edge distance (2.80 mm) because it deals with a notch

3. CENTERING BASELINES

There are two centering reference baselines on Essibox, like on the machines: Boxing and Datum.

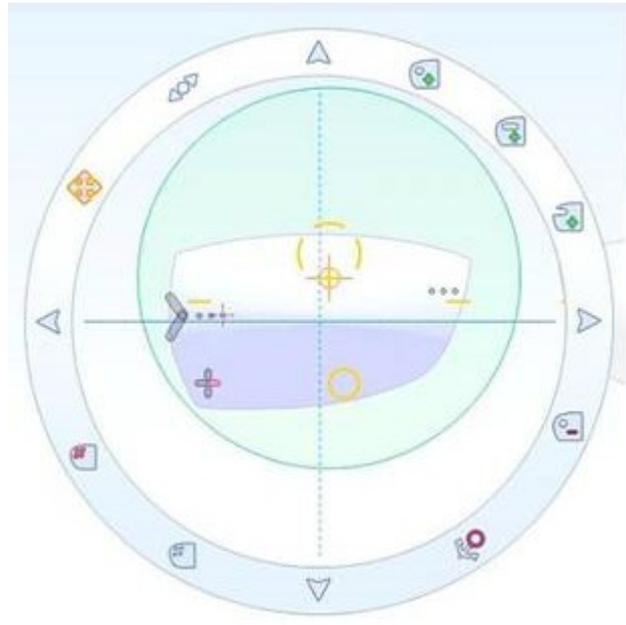
By default, the application is configured in boxing mode; upon your request, and remotely, Essilor can change this mode into Datum.



The performable displays on and around the shape are:

- visualization of the boxing center (shape registered in the boxing frame);
- visualization of the round lens;
- visualization of markings for the progressive lenses.

Display of the round lens: if the physical diameter of the lens was not entered in "Editing", default display of a 75 mm diameter lens.





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