

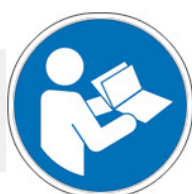
# MARSILLI

[www.marsilli.com](http://www.marsilli.com)

## MARSILLI - SPAREVIEW

### USER GUIDE

Instruction manual - Translation from the Original in ITALIAN



**Read carefully before use  
and keep for future reference**





# MARSILLI

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# INTRODUCTION

## SpareView

**SpareView** is the MARSILLI program for online consultation of the mechanical drawings (3D models) of a system. MARSILLI assigns access credentials so that authorized Users can access the 3D models of their systems.

## Manual contents

Specifically::

- the **INTRODUCTION** describes the manual contents, the program reference version, and the characteristics of the PC to be used for the correct functioning of the program;
- the **INSTALLATION** chapter describes how to install the program;
- the **USE** chapter describes how to start the program, how to load, handle and manage the 3D models.

Note: some images, although substantially valid as an example, may differ for each individual system.

## Program reference version

The information contained in this manual is compatible with the **SpareView** program **V.:2.0** version.

## PC minimum characteristics

To consult the 3D models, it is necessary to use a PC with the following minimum characteristics:

Operating system:	<b>WINDOWS 10</b>
Type of system:	Operating system <b>64 bit</b>
Processor:	<b>11thGen Intel (R) Core (TM) i5 - 2.6GHz</b> or latest
RAM:	minimum <b>8GB</b>
Video card	<b>Intel (R) Iris (R) Xe Graphics - 4GB</b> or greater

When using the **SpareView** program the PC needs to be connected to internet.





# CHAP. 1 INSTALLATION

## 1.1 Program installation

Before installing the program **SpareView** make sure the PC on which the program is to be installed has the minimum required characteristics. The minimum characteristics are contained in the **INTRODUCTION** of this manual.

To install the program, after downloading it from the **Extra** (-> **SpareView**) on the MARSILLI website, double click on the **SetupSpareView.exe** file.

Installation is executed in three steps:

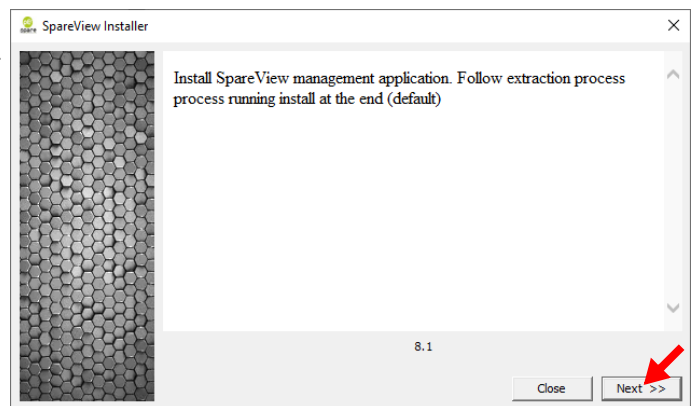
1. **SpareView Installer**;
2. **Lattice3D Player**;
3. **SpareView Setup**.

### 1.1.1 Phase 1 - SpareView Installer

The **SpareView Installer** installation wizard starts.

To install follow the wizard (click the **Next** button whenever necessary).

**Fig.1: Program installation SpareView Installer**



At the end of installation click on the **Finish** button.

**Fig.2: Completing the installation of the SpareView installer program**

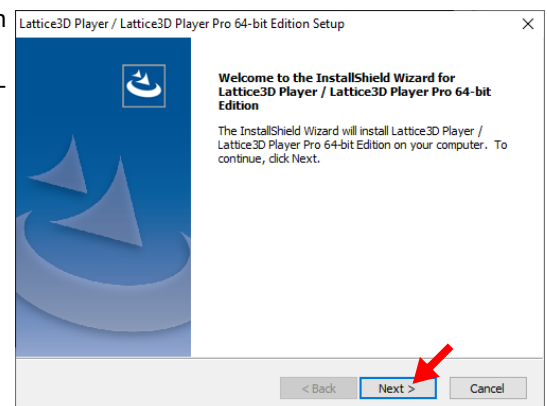


### 1.1.2 Phase 2 - Lattice3D Player

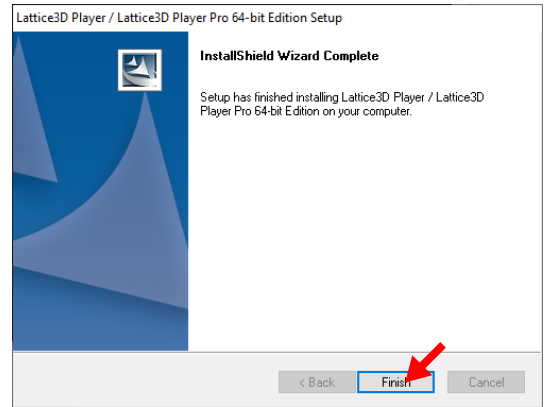
Subsequently the **Lattice3D Player** program (editor for viewing files in **.xvl** format is installed).

To install follow the wizard (click the **Next** button whenever necessary).

**Fig.3: Installation of the Lattice3D Player program**



At the end of installation click on the **Finish** button.



**Fig.4: Completing the installation of the Lattice3D Player program**

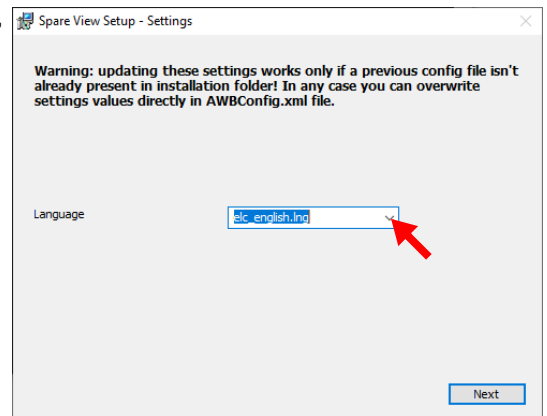
### 1.1.3 Phase 3 - SpareView Setup

After waiting **approximately 20 seconds**, the **SpareView Setup** program installation wizard starts (automatically).

Click the symbol indicated in the figure and on the drop-down menu, select the program installation language.

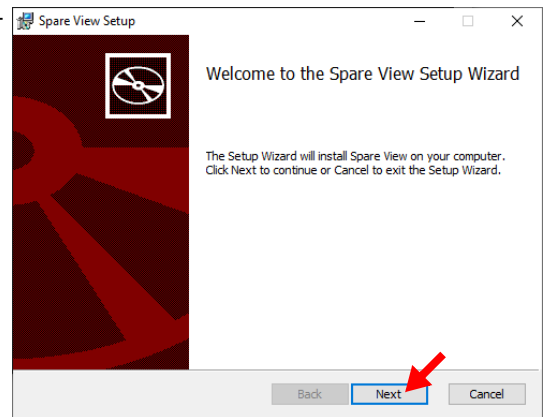
Languages:

- **Italian** (elc\_Italian.Ing);
- **English** (elc\_english.Ing);
- **French** (elc\_french.Ing);
- **German** (elc\_german.Ing);
- **Spanish** (elc\_spanish.Ing).



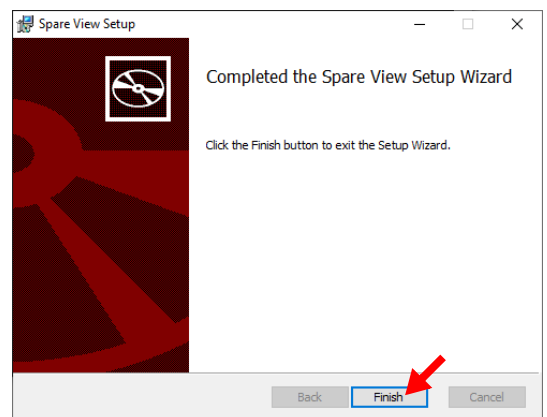
**Fig.5: Installation language selection for the SpareView Setup program**

To install follow the wizard (click the **Next** button whenever necessary).



**Fig.6: SpareView Setup program installation**

At the end of installation click on the **Finish** button.



**Fig.7: Completing the installation of the Lattice3D Player program for the SpareView Setup program**

## CHAP. 2 USE

### 2.1 Program start up

#### 2.1.1 Preliminary operations

Verify that on the PC on which the **SpareView** is loaded is connected to internet.

#### 2.1.2 Program launch and login credential entry



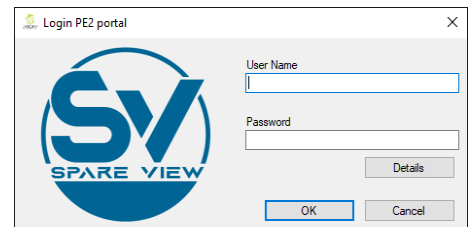
To launch the program: on the PC desktop double click on the **SpareView** icon. The **Login PE2 portal** box is displayed to enter login credentials.

Note: login credentials are assigned to the Customer by MARSILLI.

On the **User Name** box enter the assigned identification name.

In the **Password** box enter the assigned code.

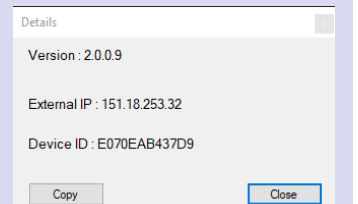
**Fig.8: Login credentials entry box**



By clicking the **Details** button information relating to the program version, the IP address and the device identification code are displayed (in English).

By clicking on the **Copy** button it is also possible to copy the information should it be necessary to communicate to MARSILLI. Click the **Close** button to close the box.

**Fig.9: Information box**

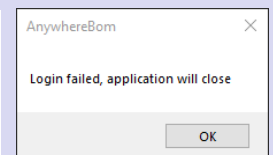


Confirm data insertion by clicking on the **OK** button. If the correct credentials have been entered, loading of the program begins.

Entering incorrect credentials is indicated by a specific box.

Click on the **OK** button to confirm and try entering the correct credentials again.

**Fig.10: Report box to enter incorrect data**



## 2.2 Program loading

To expand the program to full screen, click the button indicated in the figure.

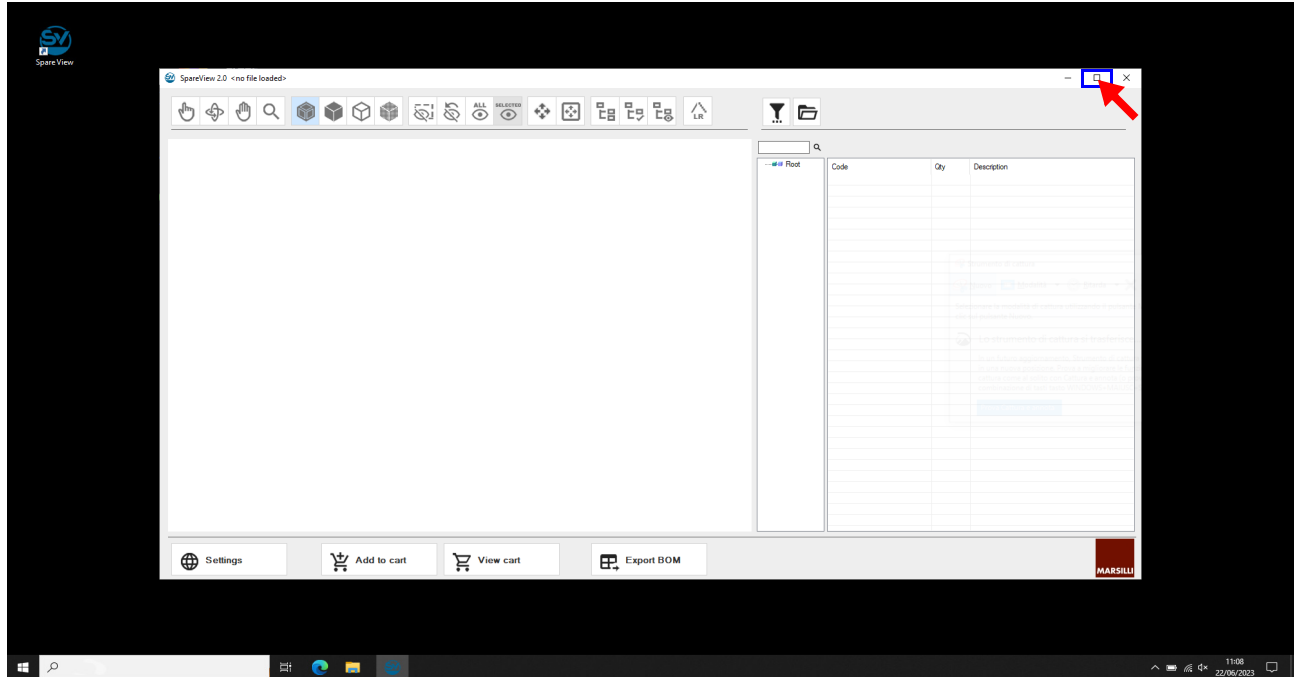


Fig.11: Loading program

Wait for the program to finish loading. The program is fully loaded when the background displays (on the left side of the screen) the MARSILLI website (it is not just a display but a real access portal to the MARSILLI website complete with all its functions).

Note: the description of the functions of the MARSILLI site access portal is beyond the scope of this manual.

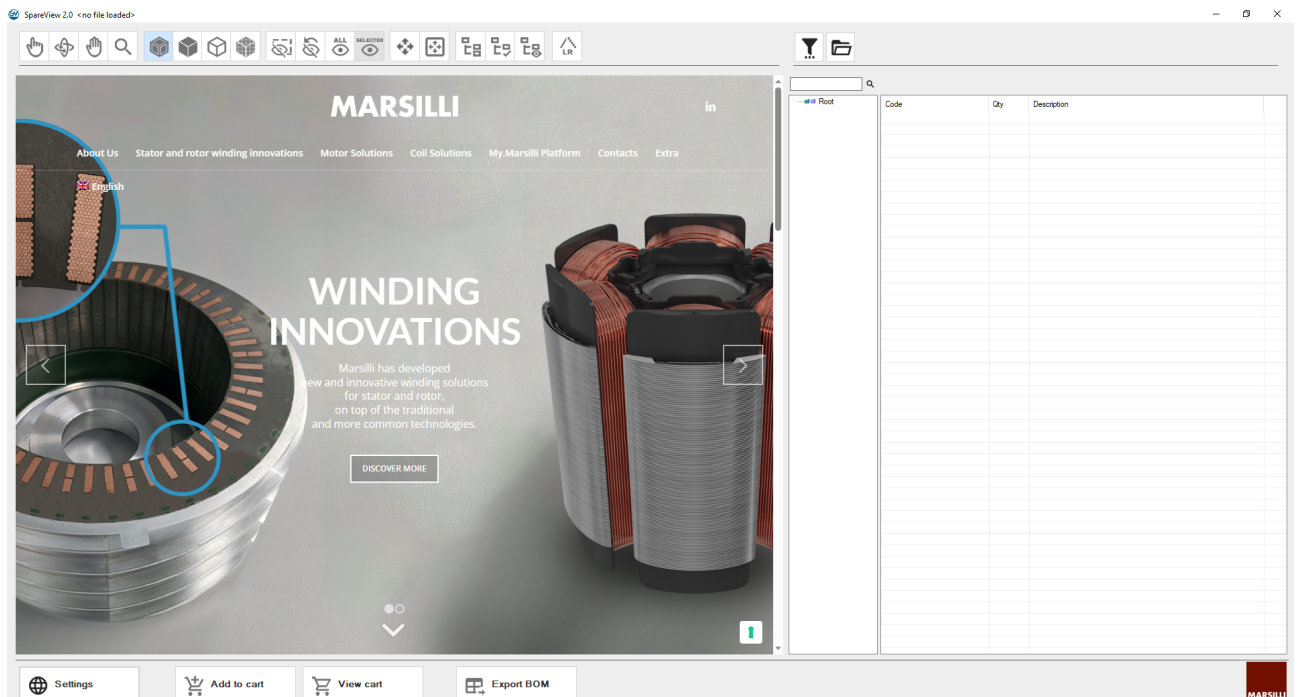


Fig.12: Program loaded correctly

It is now possible to load the file.

## 2.3 File loading

To access the models it is necessary to click the loading icon **Open SpareView file** (last icon on the right in the program). The **Select job to browse** box is displayed to select the system to load.

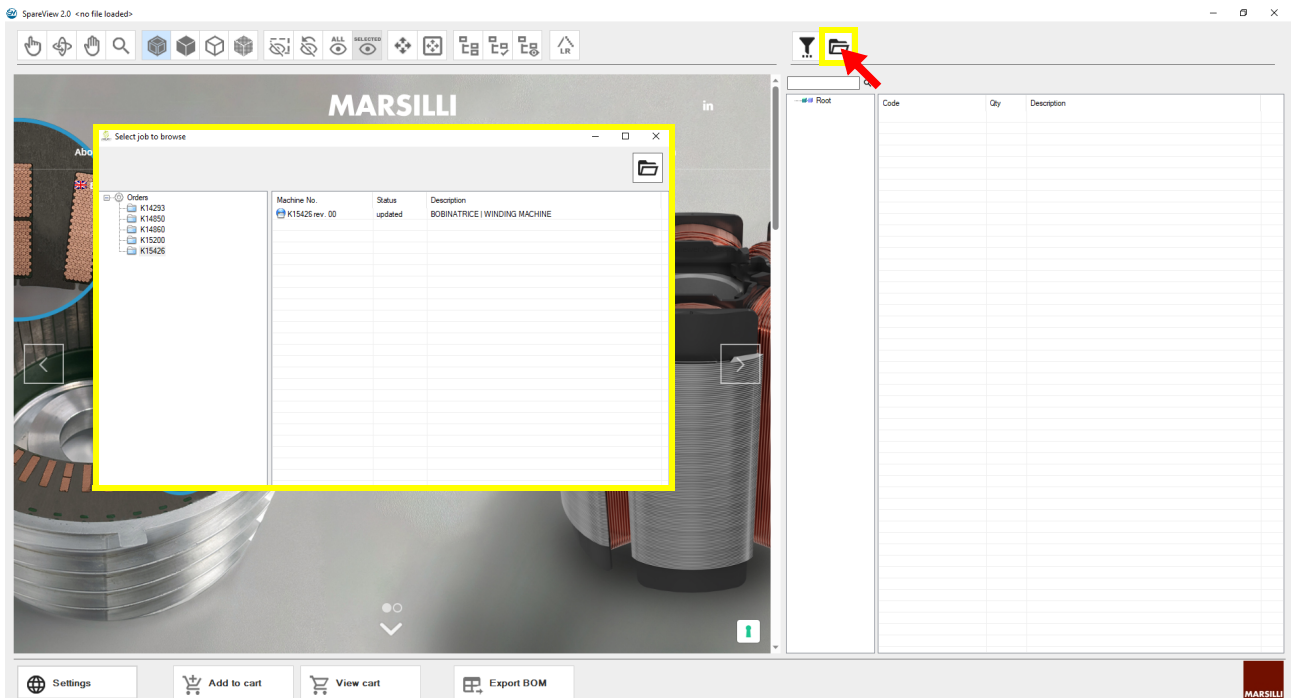


Fig.13: Program loaded correctly

The **Select job to Browse** box on the left contains the list of systems for which access has been authorized.

Use the mouse to select the system serial number (1) the files related to it are shown on the top right of the box (2).

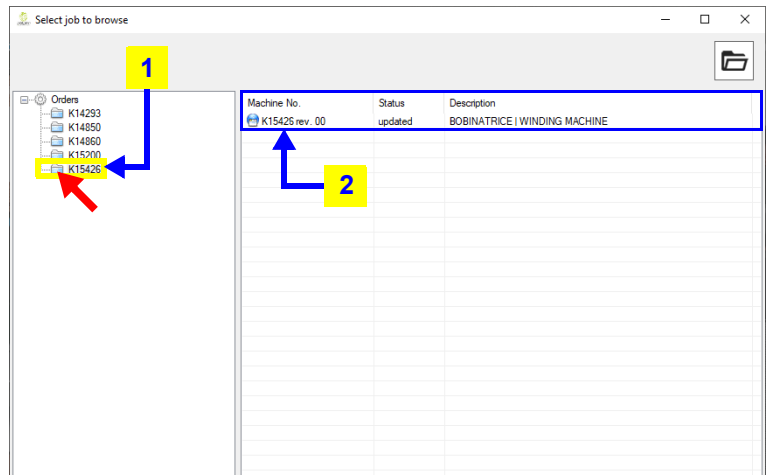


Fig.14: Selection of a System (Knnnnn) serial number

Select one of the available models (1) and click on the opening icon (2) to directly open the 3D models, for stand alone (see "Stand-alone models" on page 8) or the layout, for complex systems (see "Complex models - with layout" on page 8).

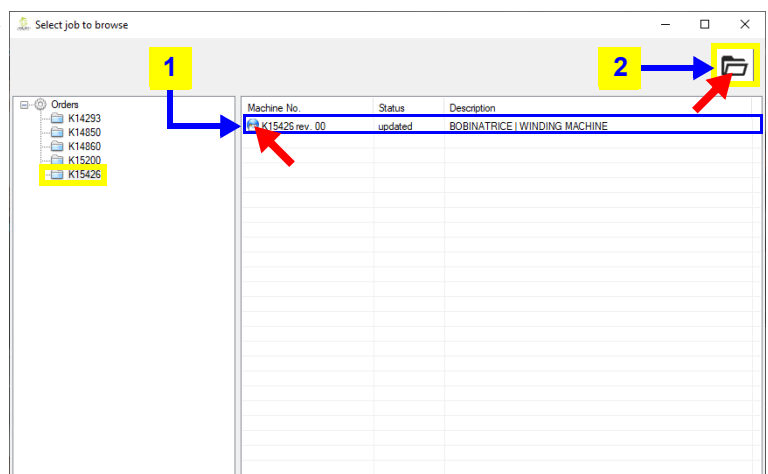


Fig.15: File opening

## 2.3.1 Stand-alone models

Simple systems (such as for example, stand-alone winder) have only one 3D assembly that can be loaded (and manipulated) in a short or in any case acceptable time. Loading as a rule takes less than a minute

The model is opened and displayed directly on the left of the screen.

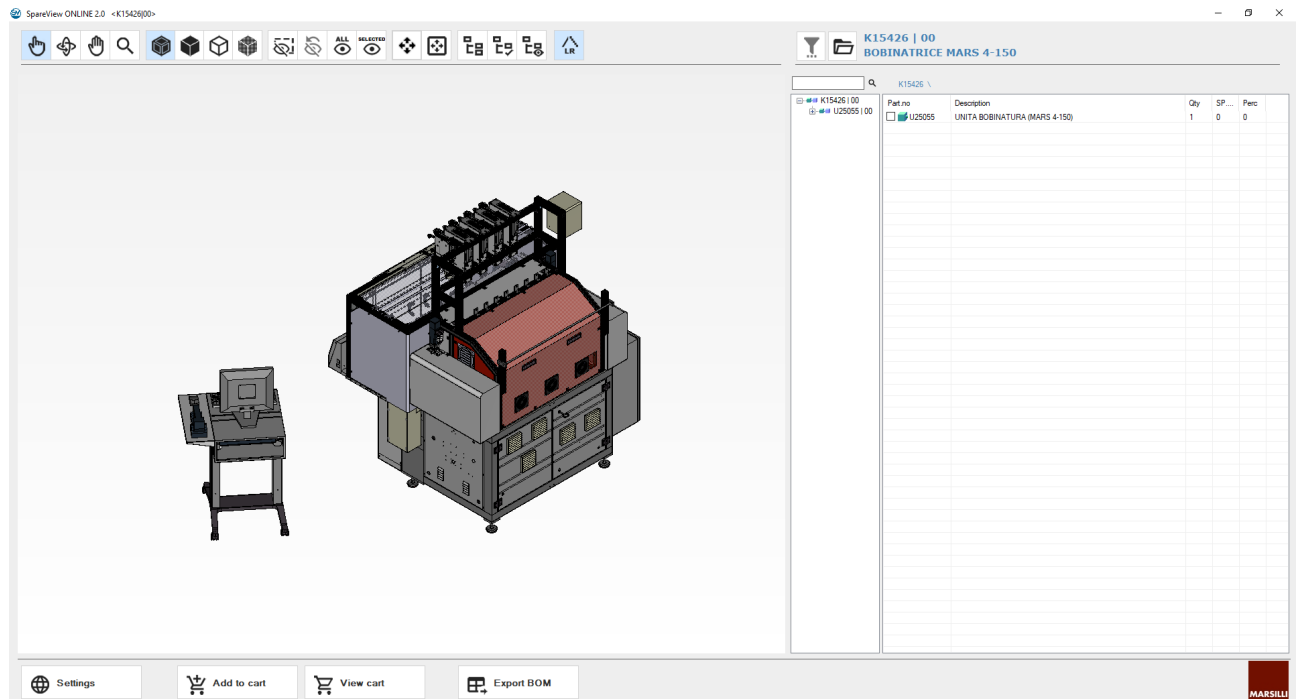


Fig.16: Loaded 3D model stand-alone

For 3D manipulation rules see “3D assembly” on page 10.

## 2.3.2 Complex models - with layout

The layout of the selected system is displayed on the left of the screen.

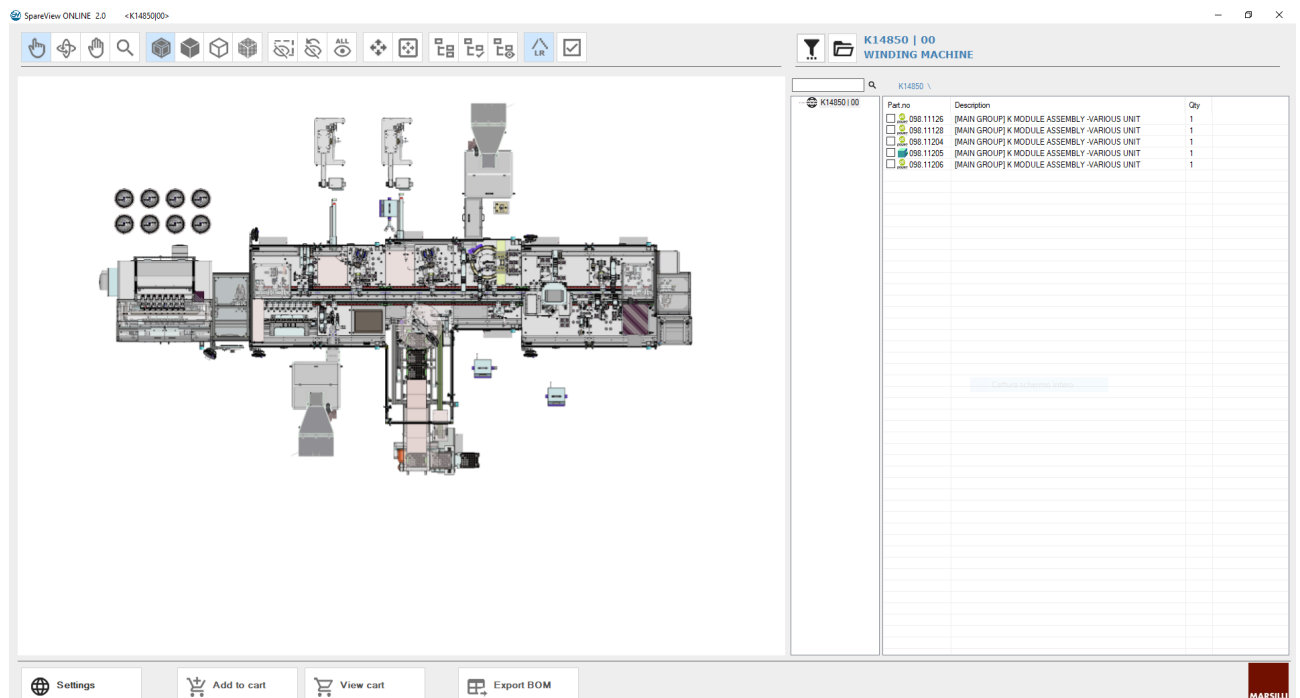


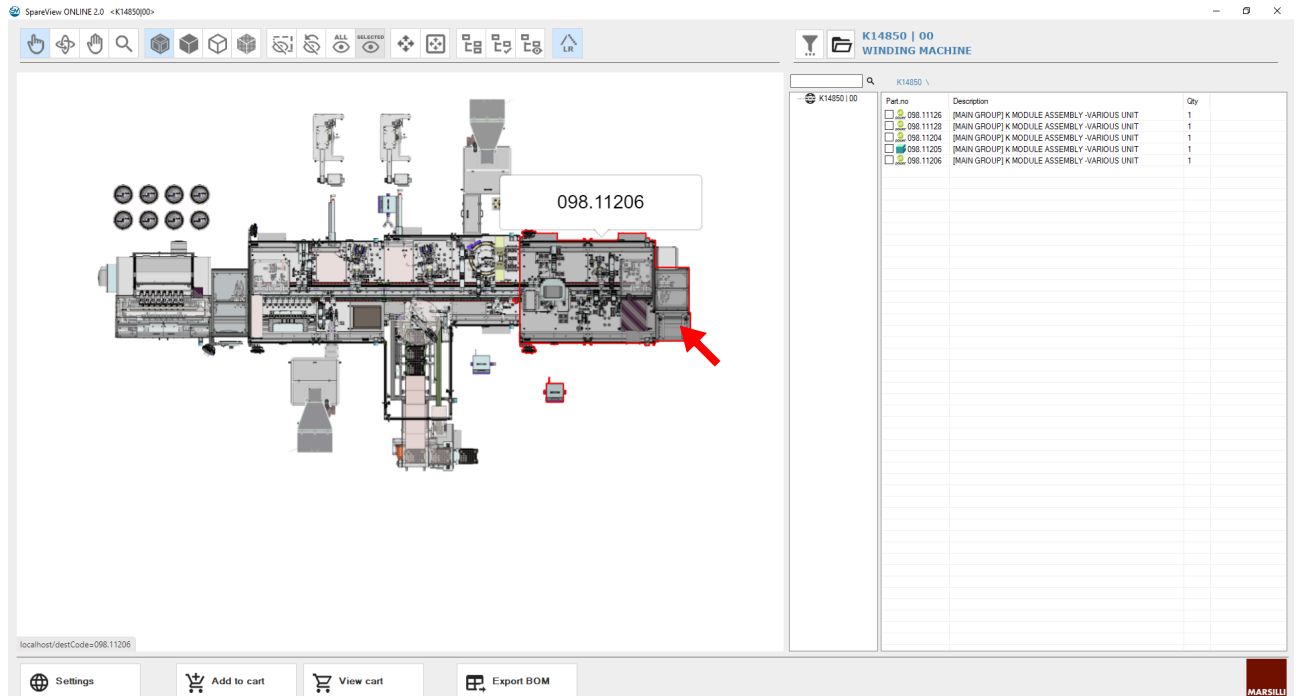
Fig.17: Loaded layout (example)

If even the most complex systems were represented with a single 3D assembly model, loading and manipulation thereof would require too long, therefore difficult to manage. For this reason more complex systems are depicted using multiple 3D assembly models each of which contains a part of the system.

Each assembly 3D model is coded with the prefix **098.** followed by a 5-digit identification number.

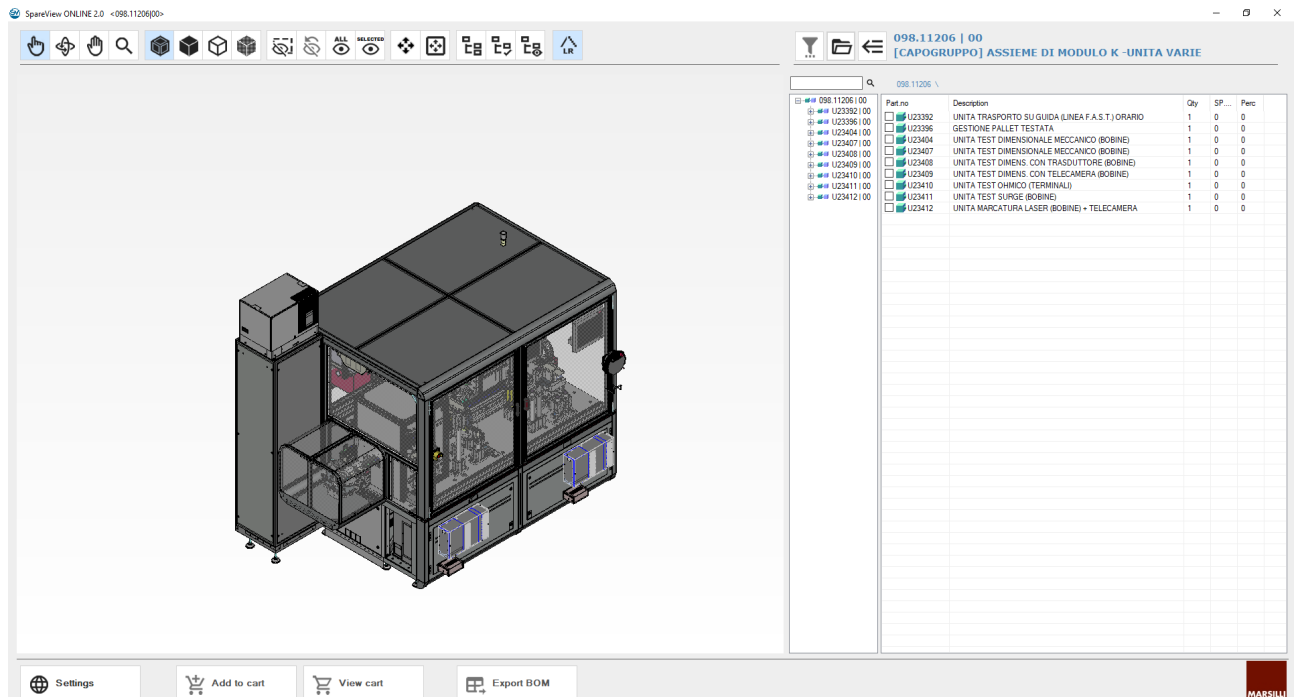
A complex system will therefore be represented by a layout that represents several 3D models together, each identified by a code **098.nnnnn** (once the layout has been loaded, the list of all the **098.nnnnn** of the system is displayed on the right side of the screen).

Moving the mouse cursor over the system layout drawing the parts belonging to each assembly are highlighted (red edge), also displaying in a special box the code (**098.nnnnn**) of the selected assembly.



**Fig.18: Loaded layout (example of selecting a 3D assembly)**

By clicking the selected area with the mouse, the 3D of the selected assembly is loaded. Loading as a rule takes less than a minute.



**Fig.19: Loaded 3D model 098.nnnnn**

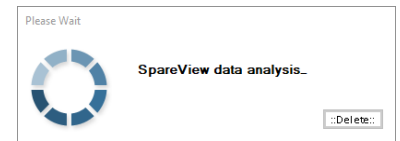
For 3D manipulation rules see “3D assembly” on page 10.

## 2.4 3D assembly

### 2.4.1 Description of the main screen

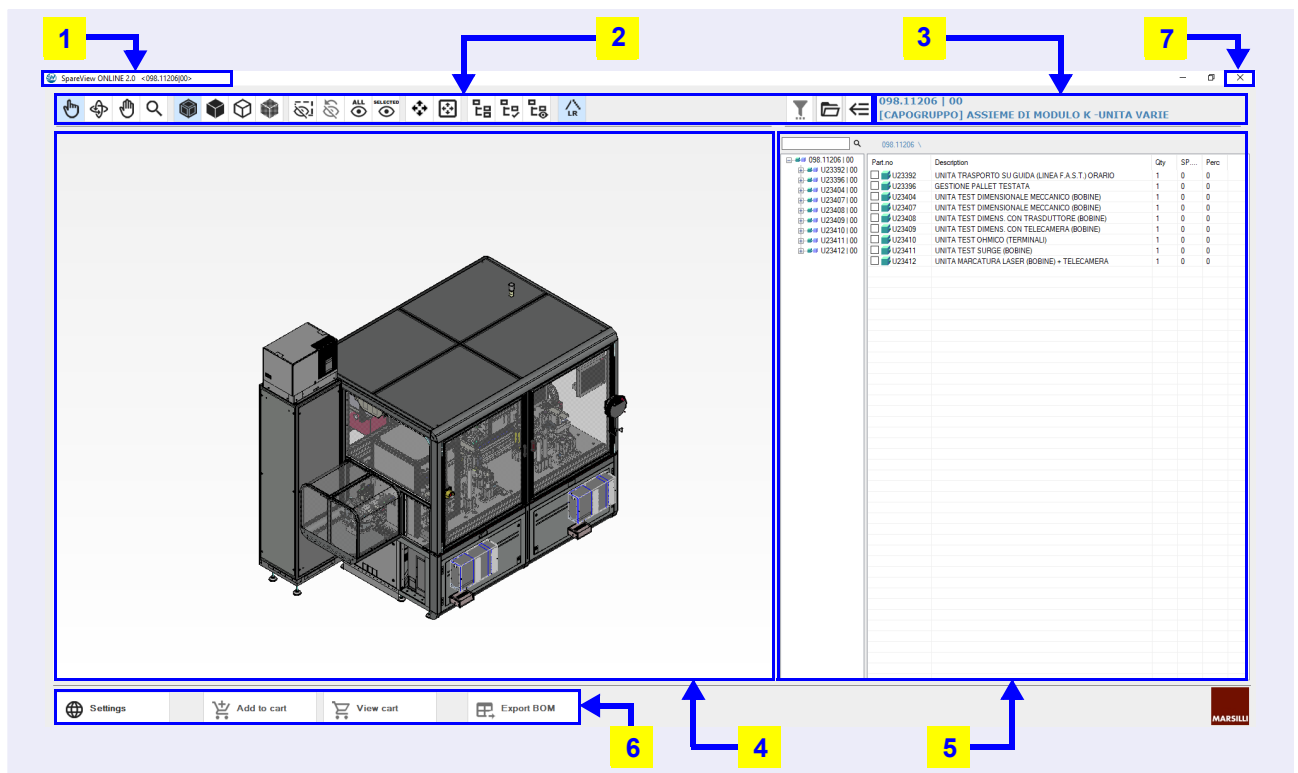
While loading the 3D assembly a waiting box is displayed.  
Once the 3D assembly has been loaded the related screen is displayed.

*Fig.20: Waiting box while loading the 3D assembly model*



The following elements can be distinguished in the screen:

1. **identification** of the program version and code of the loaded 3D assembly;
2. **icon bar** for model management and manipulation;
3. **information** on the code and description of the loaded 3D assembly;
4. display area for the **3D assembly**;
5. **identification details** area of the loaded 3D assembly;
6. bar with buttons for **settings** and set up for future applications;
7. button to **close the program**.



*Fig.21: Identification of the elements that make up the SpareView screen*

For the description of the details of the individual items refer to the paragraph "Details of elements to control the 3D assembly" on page 11.



## 2.5 Details of elements to control the 3D assembly

### 2.5.1 Identification

The first row on the top left of the **SpareView** screen contains identification of the **program version** and the **code** of the loaded 3D assembly.

### 2.5.2 Icon bar

The top part of the screen contains a bar formed by a series of icons divided into groups in related to their functionality.

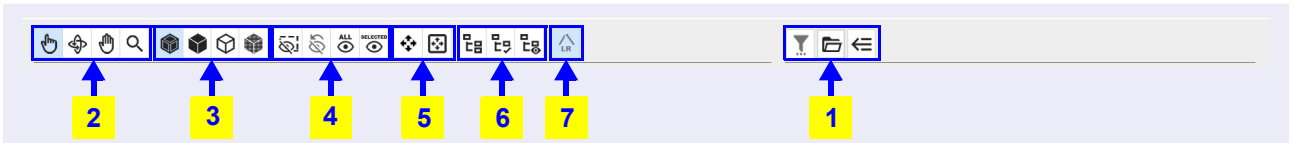


Fig.22: Icon bar

The bar is divided as follows:

1. icons to manage the layout;
2. icons for selection and manipulation of the model;
3. icons to select the model display mode;
4. icon to display the parts of the model;
5. icons to centre the model;
6. icons to select the parts (set up for future applications);
7. icon to select the visualization quality.

Icons are selected by moving the cursor and clicking with the mouse. Multiple selected icons may also be visible on the bar.



Some icons, after selection show and keep the background colour blue.

Other icons retain their color (grey) temporarily, only during selection.

The selection of some icons excludes the selection previously made on other icons on the same group which will automatically reset and the background is white.



Placing the cursor on an icon its identifying name appears.

The identification name does not appear if the icon is (temporarily) deactivated.

The detailed description of the functionality of each icon is described in the following paragraphs.

#### 1. icons to manage the layout



Icon name: **Filter**. Set up for future applications



Icon name: **Open SpareView file**.

This icon opens the layout from which you can select the 3D model of the required assembly.



Icon name: **Layout**.

This icon is displayed only for complex systems and after selecting assembly **098.nnnnn**.

Restores the **layout** view of the system only after selecting a **3D assembly** (the 3D model is closed).

## 2. icons for selection and manipulation of the model

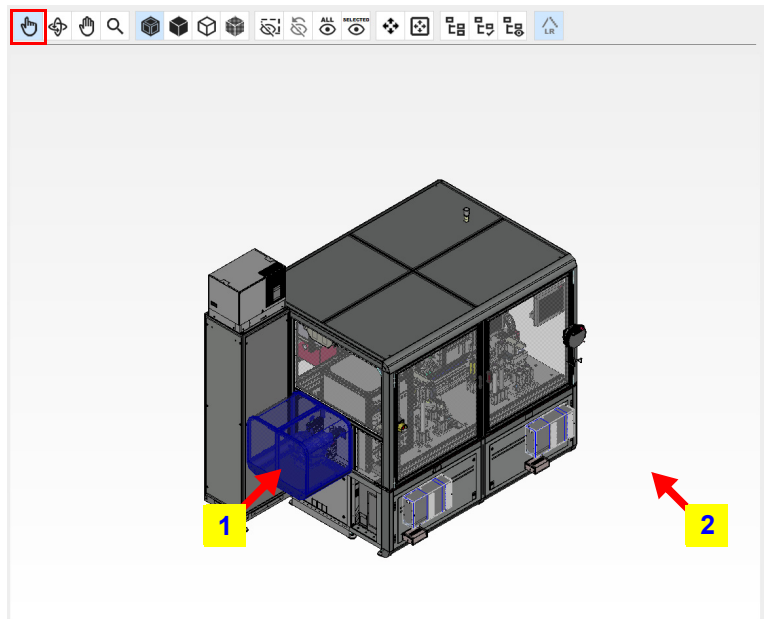


Icon name: **Select item mode.**

This icon selects a group within the 3D assembly model.

To select point the mouse on the group (1) and click on the right button of the mouse. The selected group is highlighted in blue.

By clicking on any point on the area outside the model (2) the group is de-selected.



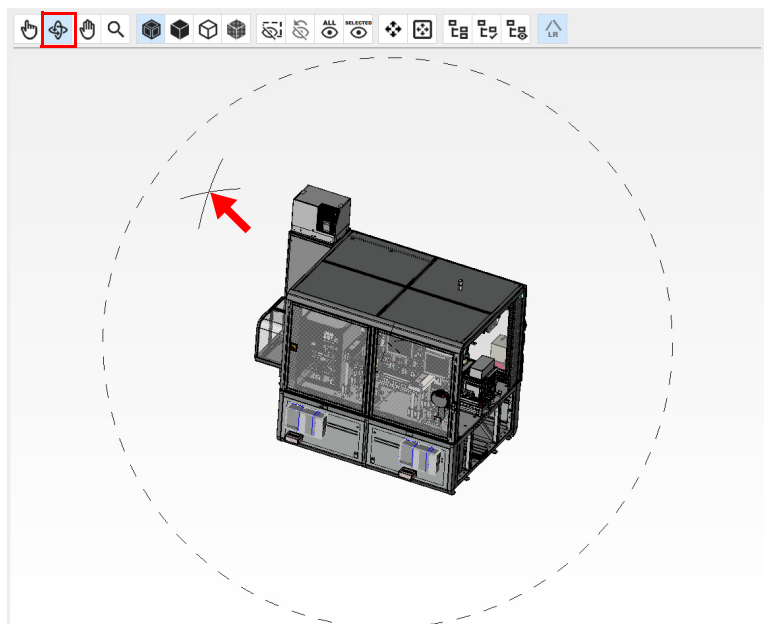
**Fig.23: Group selection**



Icon name: **Rotate 3D mode.**

This icon rotates the 3D model.

To rotate click on anywhere on of the model and hold down the right of the mouse and drag in the required direction.



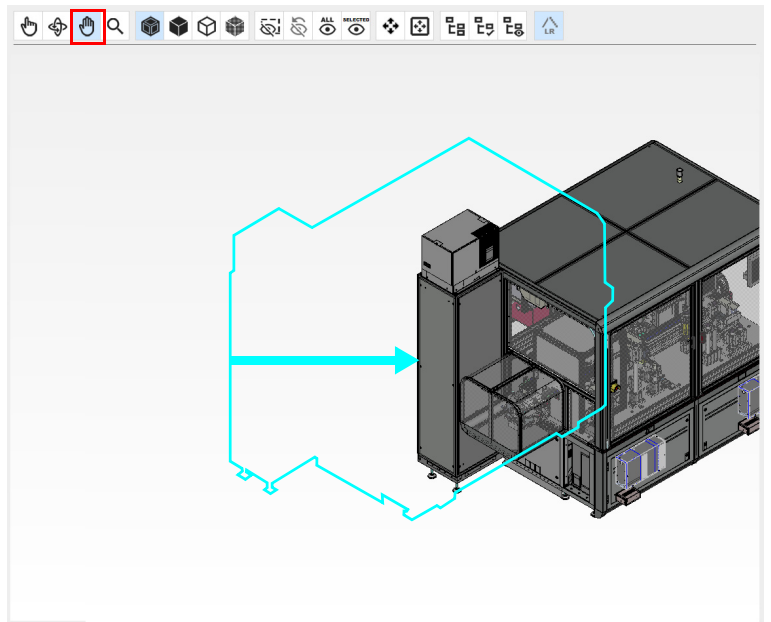
**Fig.24: Model rotation**



Icon name: **Drag**.

This icon moves the 3D model.

To move click anywhere on the model and hold down the mouse button drag in the required direction. A part of the model may exit the display area.



**Fig.25: Model movement**



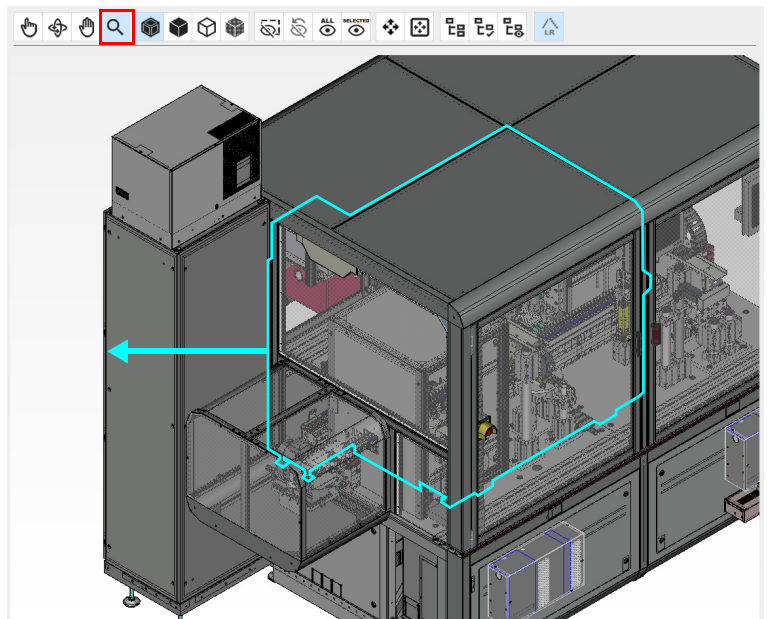
Icon name: **Zoom**.

This icon zooms in or out on the 3D model.

To zoom in click a central point of the model and keeping the mouse button pressed, drag outwards. A part of the model may exit the display area.

To zoom out click an external point of the model and, keeping the mouse button pressed drag towards the center.

Note: You can also use the central mouse wheel to zoom in or out.



**Fig.26: Zoom-in**

### 3. icons to select the model display mode



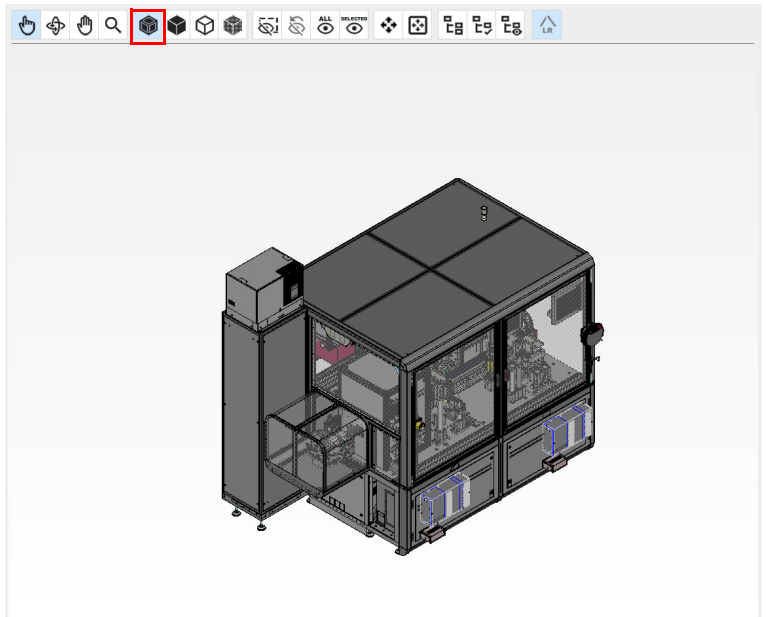
Icon name: **Show Solid 3D with edges.**

This icon displays the 3D model with solid backgrounds and edges.

Note: this mode is selected by default when opening the 3D model (icon background light blue).

The 3D assembly is displayed in the graphic resolution indicated in the figure.

This mode allows for quick manipulation of the model.



**Fig.27: Model display option selection**  
**Show solid 3D with edges**

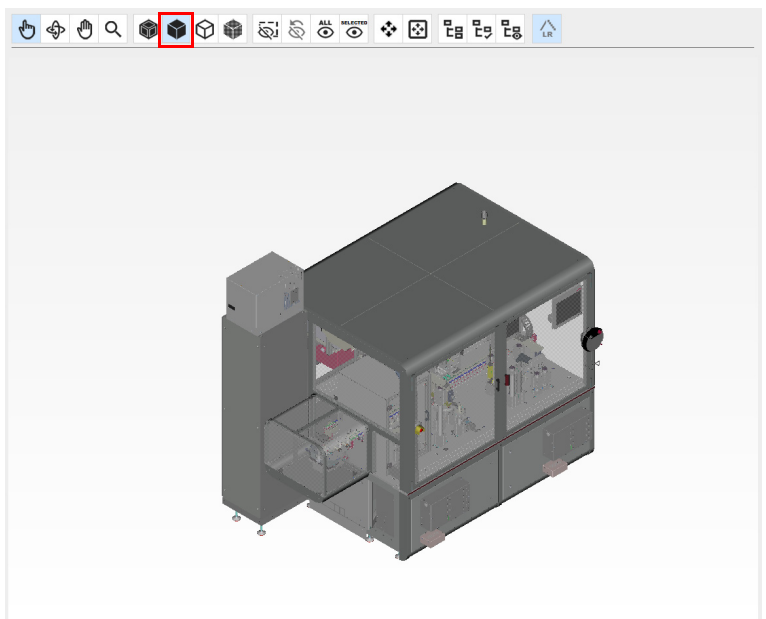


Icon name: **Show Solid 3D without edges.**

This icon displays the 3D with solid background but without edges.

The 3D assembly is displayed in the graphic resolution indicated in the figure.

This mode allows for quick manipulation of the model.



**Fig.28: Model display option selection**  
**Show solid 3D without edges**

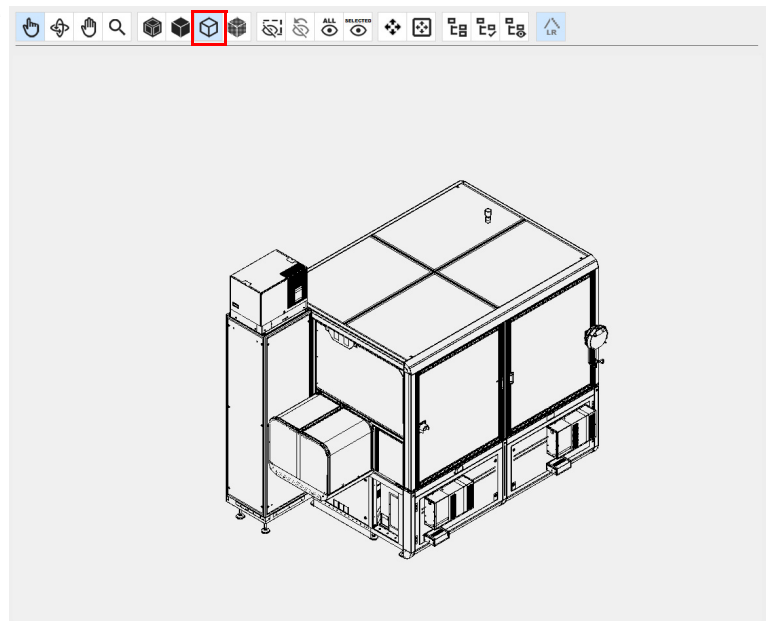


Icon name: **Show Illustration.**

This icon displays the 3D model with edges only, without solid backgrounds.

The 3D assembly is displayed in the graphic resolution indicated in the figure.

**ATTENTION!** This mode does **not** allow quick manipulation of the model.



*Fig.29: Model display option selection  
Show illustration*

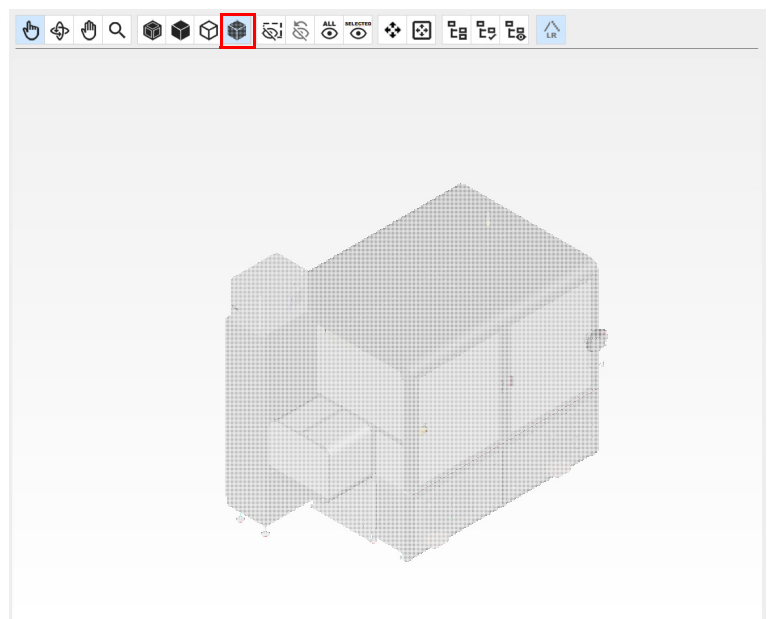


Icon name: **Show Transparent.**

This icon displays only the selected part of the 3D model (all the rest of the model is transparent). If no part of the model has been selected, the whole model is transparent.

The 3D assembly is displayed in the graphic resolution indicated in the figure.

This mode allows for quick manipulation of the model.



*Fig.30: Model display option selection  
Show transparent*

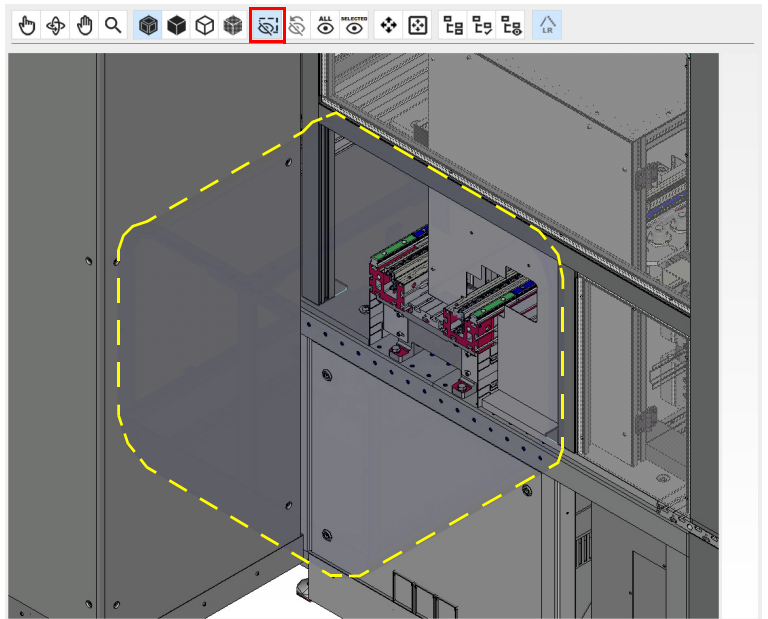
## 4. icon to display the parts of the model



Icon name: **Hide selected objects.**

This icon hides the selected part or parts of the 3D model.

To hide select the group and click with the mouse. The selected group is hidden.



**Fig.31: Model display option selection**  
**Hide selected objects (example)**



Icon name: **Undo:** Hide selected objects.

This icon undoes the last hidden object, making it visible again. If several groups have been hidden at each click one is restored in the reverse sequence to the hidden one.



Icon name: **Show All items.**

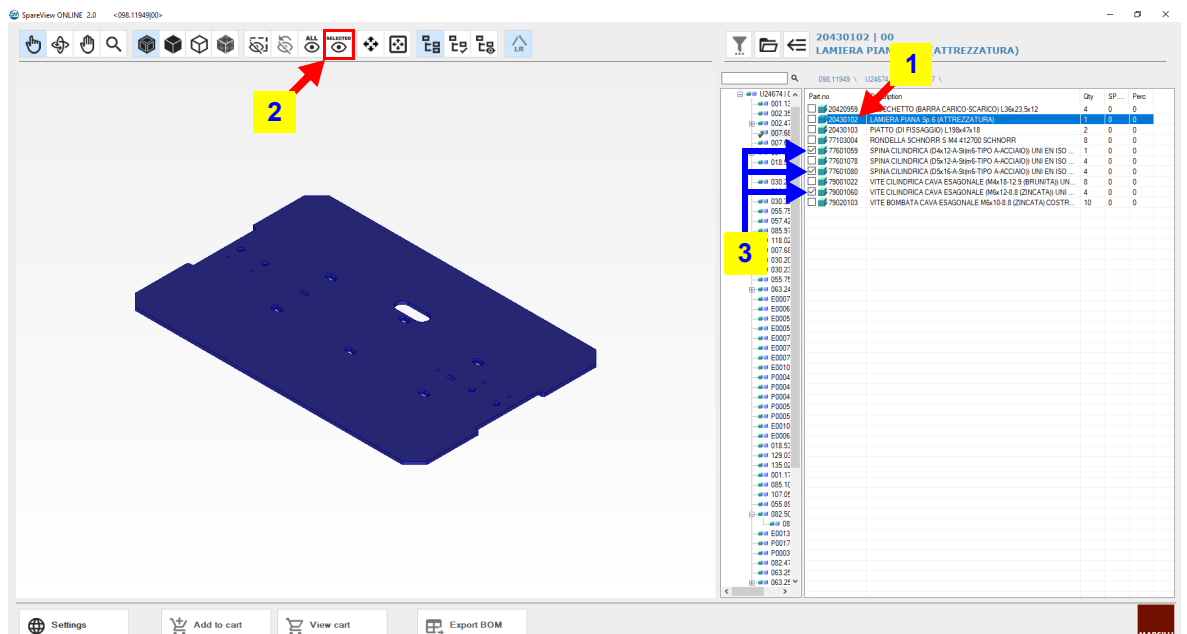
This icon restores the full view of the 3D model. All the hidden groups are displayed. Previously selected groups remain selected.



Icon name: **Show Selected items.**

This icon shows only the selected part on the 3D model.

By selecting a part (1) on the table and clicking the icon **Show Selected items** (2) only the selected part is shown not taking into account any active checks on the table (3).



**Fig.32: Display selected items only**

## 5. icons to centre the model



Icon name: **Fit all.**

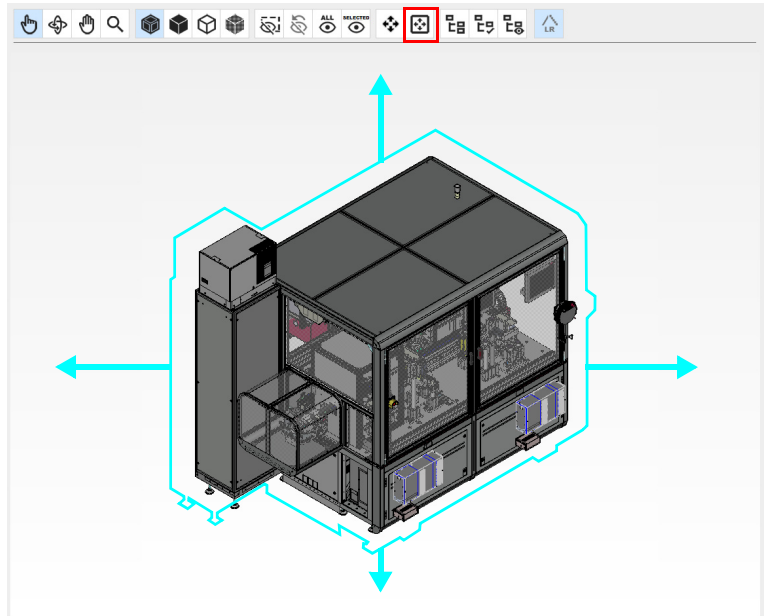
This icon adapts the display of the 3D model to the available area in the program.  
The 3D assembly fits completely enclosed between the edges of the viewing area.



Icon name: **Fit selected (fit all if nothing selected).**

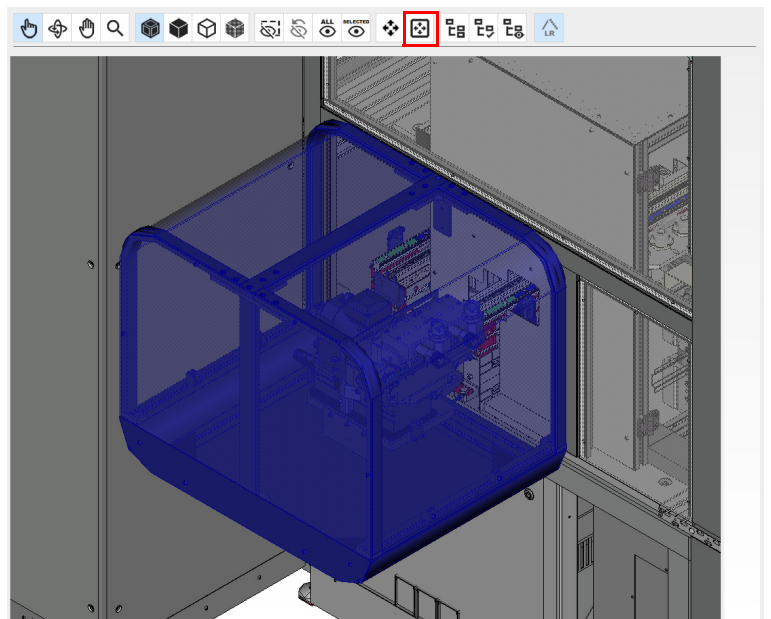
This icon functions in two modes:

- if no group has been selected clicking this icon will resize and center the display of the entire 3D model so that it all fits in the area available in the program;



*Fig.33: Model display option selection  
Fit selected (fit all if nothing selected)  
with no group selected*

- if one or more groups is selected it adapts and centers the display of the selected groups to the area available in the program (the rest of the drawing exits the edges of the display area).



*Fig.34: Model display option selection  
Fit selected (fit all if nothing selected)  
with selection of at least one group*

## 6. icons to select the parts



Icon name: **No action.**

This icon displays the list of components (1) of the selected group (2).

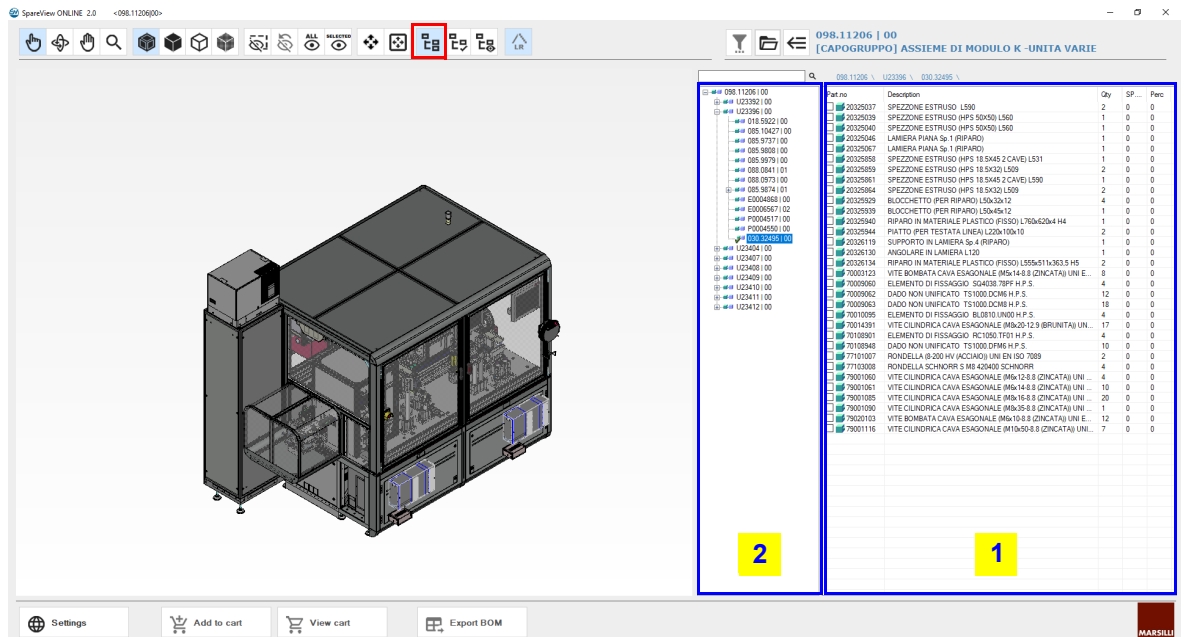


Fig.35: Selection of No action mode



Icon name: **Select group.**

This icon displays the list of components (1) of the selected group (2) and in the graphic part (3) highlights the entire selected group.

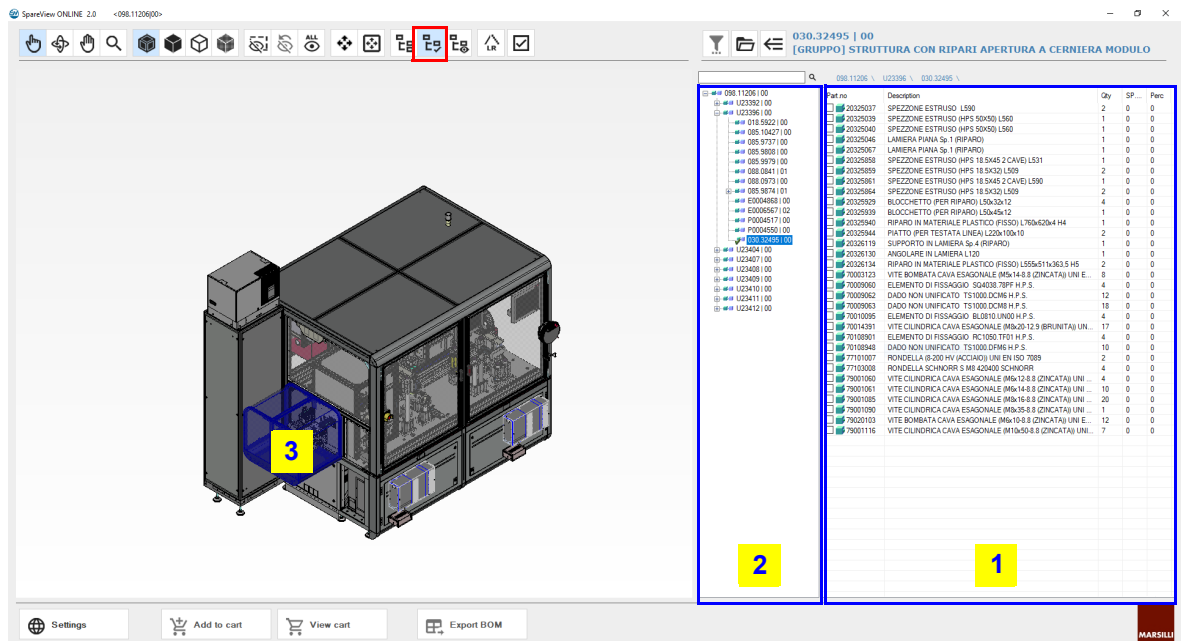


Fig.36: Selection of the Select group mode





Icon name: **Show only selected.**

This icon displays the list of components (1) of the group selected in the table (2) next to the list of components and in the graphic part (3) it displays only the selected group.

Note: to select a part the icon **Select item mode** needs to be active.

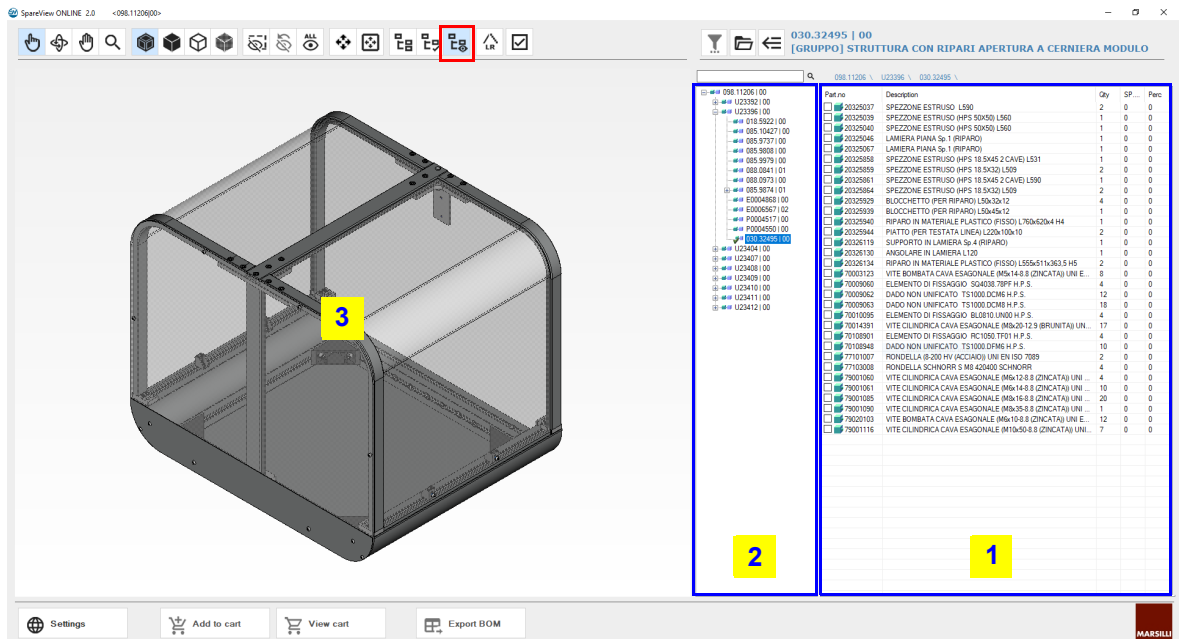


Fig.37: Selection of Show only selected mode

Alternatively it may be handy to select the parts directly on the table and clicking the check box (1) next to the code. When the part (or parts) are selected click on the right of the mouse to open the context menu (2) from which to select:

- **Show only** to show only the part highlighted on the table;
- **Hide item** to hide the selected part;
- **Show all selected** to visualize the selected parts only.

Fig.38: Context menu

Part.no	Description	Qty	SP...	Perc
<input type="checkbox"/>	[GRUPPO] ACCESSORI INDEX	1	0	0
<input type="checkbox"/>	[GRUPPO] STRUTTURA CON RIPARI APERTURA A CERNIERA M...	1	0	0
<input checked="" type="checkbox"/>	[GRUPPO] ACCESSORI TRASPORTO LINEA F.A.S.T.)	1	0	0
<input type="checkbox"/>	[SOTTOGRUPPO] SUPPORTO SENSORE (L... S.T.)	1	0	0
<input type="checkbox"/>	[GRUPPO] SUPPORTO SENSORE LINEA F.A.S.T.)	1	0	0
<input checked="" type="checkbox"/>	[GRUPPO] PNEUMATICO (ELETTRORVALVOLE SMC)	1	0	0
<input type="checkbox"/>	[GRUPPO] PNEUMATICO (ELETTRORVALVOLE SMC)	2	0	0
<input type="checkbox"/>	[GRUPPO] PNEUMATICO (ELETTRORVALVOLE SMC)	2	0	0
<input type="checkbox"/>	[GRUPPO] PNEUMATICO (ELETTRORVALVOLE SMC)	1	0	0

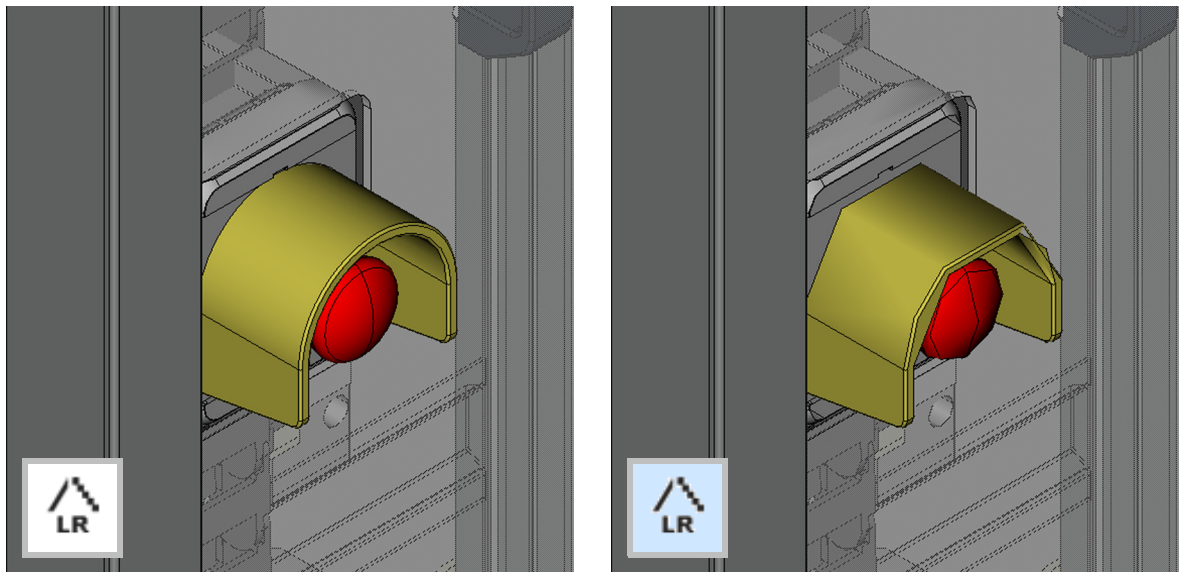
The **Copy Item data** option is needed to copy the data related to the selected part (code, description and data Qty, SP.PTS and Perc. of the selected part is copied in the clipboard in text format).

## 7. icons for the display quality and for multiple selection



Icon name: **Toggle quality/speed.**

This icon allows detailed display (high resolution) of the model but limits the manipulation speed, or low resolution display however limiting the quality of the model itself.

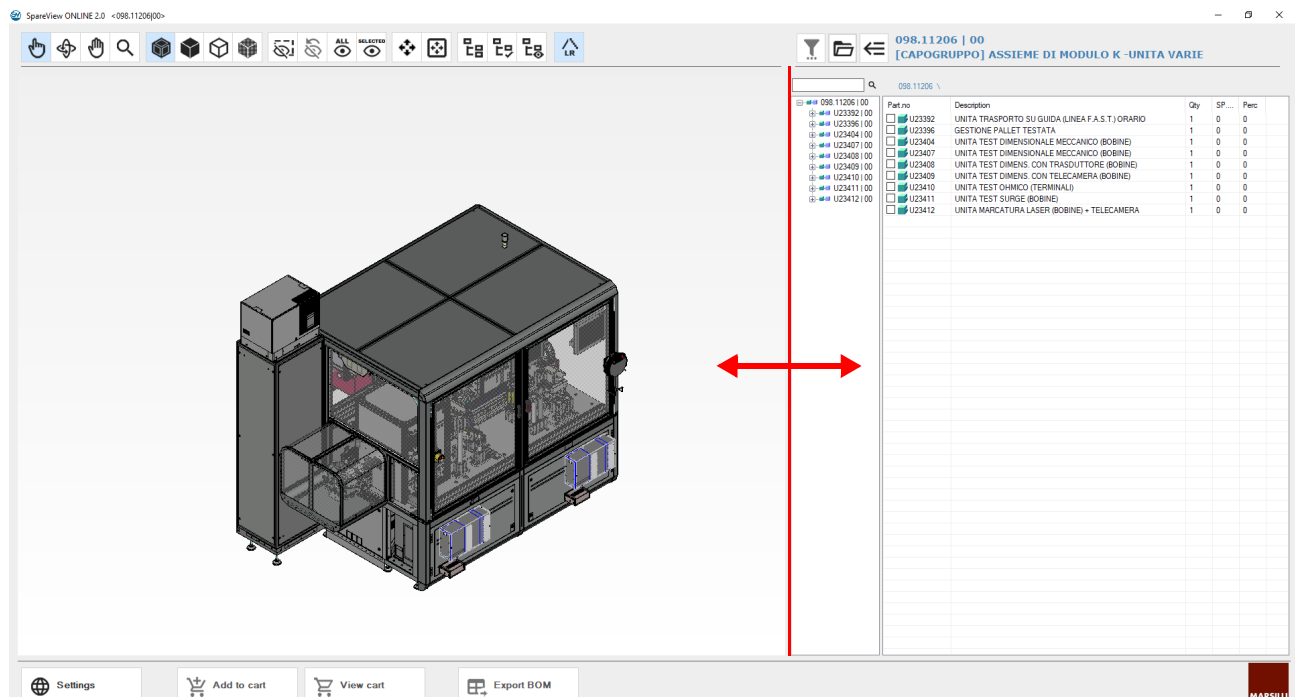


**Fig.39: Display of the 3D assembly detailed or simple version**

It is recommended to select the **low resolution** display mode (icon selected - light blue background) while manipulating the model (rotate, zoom, etc.) and to return to the **detailed** display (icon not selected - white background) after adapting the model to the required position. Switching from one mode to another takes a few seconds.

### 2.5.3 Area resizing

By dragging the edge between the **viewing area** of the 3D model and the **identification details** area of the 3D model parts it is possible to resize the space assigned to each of them as required.



**Fig.40: Portioning of spaces within the program**

## 2.5.4 Information

On the information area the code **098** is displayed. nnnnn of the 3D assembly and related **description**.

## 2.5.5 3D assembly visualization area

The same display area is used by the layout or the loaded 3D assembly. This area can be resized as required by subtracting or adding space to the identifying details area. See also “Area resizing” on page 20.

## 2.5.6 Identifying details

The right of the **SpareView** screen displays all the detailed information relating to the layout or the 3D assembly.

The left of the area (1) displays the list of the units. The list is expandable (see “List of the units and elements contained therein” on page 21).

The area on the right (2) in addition to the unit list it contains further information and allows the selection of individual features (see “Information area” on page 22).

The area also includes a search box (3): by entering the **code** of a **part** on a **group**, or a **unit** its position can be searched for in the detail list and the 3D assembly.

By dragging the edge (4) between the unit list and the list of the other information it is possible to resize the space available for each of them (the same thing is also possible for each data column).

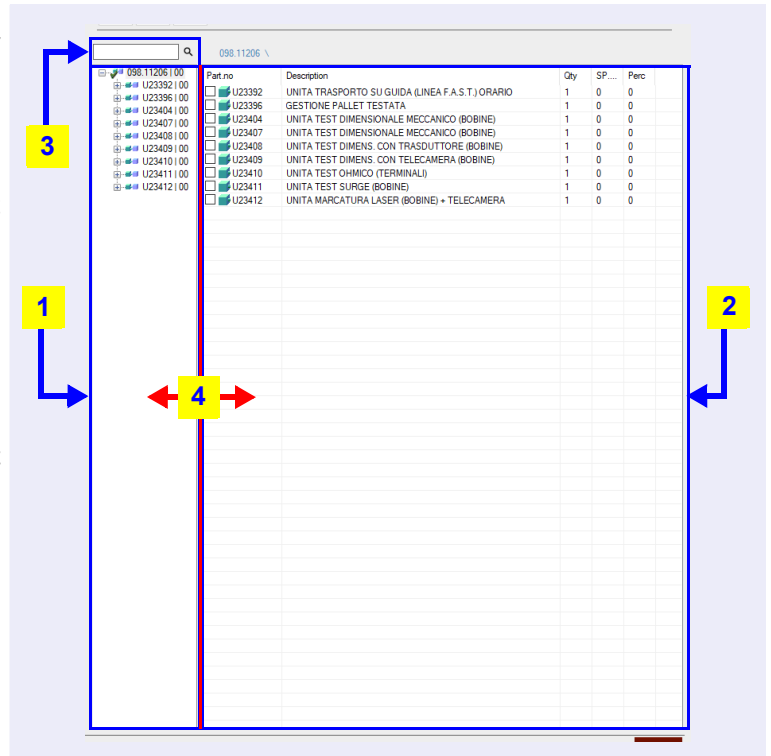


Fig.41: Identifying details

### List of the units and elements contained therein

After the 3D assembly has been loaded, the list of units contained in the model is displayed on the left side of the identification details area.

To the left of the code, in addition to the unit identification icon a small button is displayed through which it is possible to expand [+] the list and see all the elements contained within the unit. Even the elements inside the unit are equipped with the same button that allows you to expand the content, up to the individual components.

Using the same button, you can also collapse [-] the list of already expanded items.

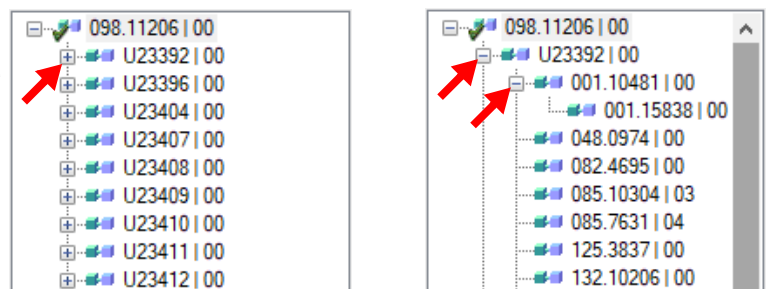


Fig.42: Expanding of the unit list

The codes of the groups of a unit, the codes of the subgroups of a group and the individual components are displayed indented, so as to highlight the group and the unit they belong to, according to a hierarchically organized structure.

By selecting a unit or a group, on the right of the area the list of all the groups or all the items inside the selected unit or group is displayed. See also (see “Information area” on page 22).

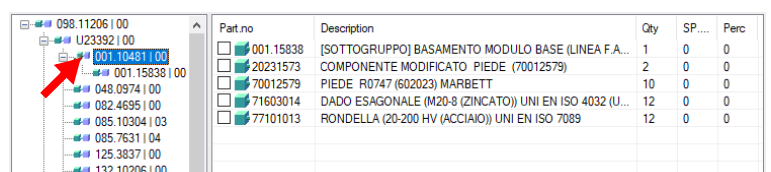


Fig.43: Group selection

## Information area

The right of the list contains the following information.

1. **Part no.:** (of the unit, group, component) to be selected to display the position and information related to the part, group or unit (the selection check box is displayed to the left of the code);
2. **Description:** the description of the component (for off the shelf components the name of the Supplier and other detailed identification data is included).

Part.no	Description	Qty	SP....	Perc
<input type="checkbox"/> 001.15838	{SOTTOGRUPPO] BASAMENTO MODULO BASE (LINEA F.A...	1	0	0
<input type="checkbox"/> 20231573	COMPONENTE MODIFICATO PIEDE (70012579)	2	0	0
<input type="checkbox"/> 70012579	PIEDE R0747 (602023) MARBETT	10	0	0
<input type="checkbox"/> 71603014	DADO ESAGONALE (M20-8 (ZINCATO)) UNI EN ISO 4032 (U...	12	0	0
<input type="checkbox"/> 77101013	RONDELLA (20-200 HV (ACCIAIO)) UNI EN ISO 7089	12	0	0

Fig.44: Information area

3. **Qty:** the quantity of sub-groups or components (inside the group) with that code;
4. **SP.PTS:** the recommended minimum stock for the component;
5. **Perc.:** the theoretical percentage of part replacement (if equal to 100% it is a wear part).

## 2.5.7 Button bar

The button bar is on the lower part of the screen.

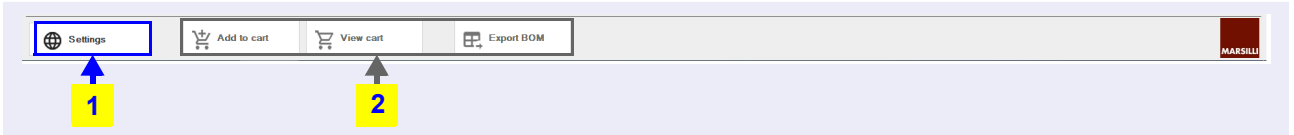
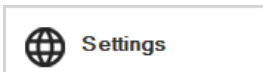


Fig.45: Button bar

The following buttons are available:

1. button for program settings;
2. set up for future applications.

### 1. button for program settings



Button name: **Settings**.

Button to access the Language selection box to be displayed.

Click the button to edit the box.


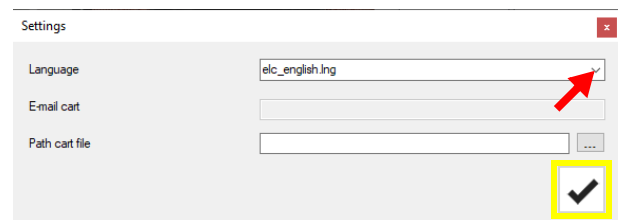
Click the symbol  (on the right) to open the drop down menu.

Fig.46: Language selection box display of the SpareView program



On the drop down menu select the program installation language.

Languages:

- **Italian** (elc\_italian.lng);
- **English** (elc\_english.lng);
- **French** (elc\_french.lng);
- **German** (elc\_german.lng);
- **Spanish** (elc\_spanish.lng).

Other options:

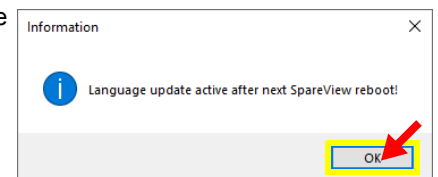
- **E-mail cart**: set up for future applications;
- **Path Cart file**: set up for future applications.

After entering the options to confirm click the button with the check symbol on the bottom right.

To change the language the **Information** box is displayed which describes the activation mode of the selected Language.

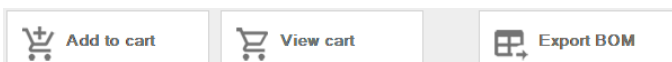
Click on the **OK** button to confirm and close the box.

Fig.47: Information box on how to activate the selected Language



The software is displayed in the selected language only the next time the program is restarted.

### 2. set up for future applications



Set up for future applications.

## 2.6 Program closing



Click the button **x** on the top corner on the right of the screen, the program **SpareView** is closed.

On the left of the program there are also buttons to maximize (full screen) or minimize display of the program.

