

User and Technical Manual



WeighBridge Standard Software Ver. 2.6.10

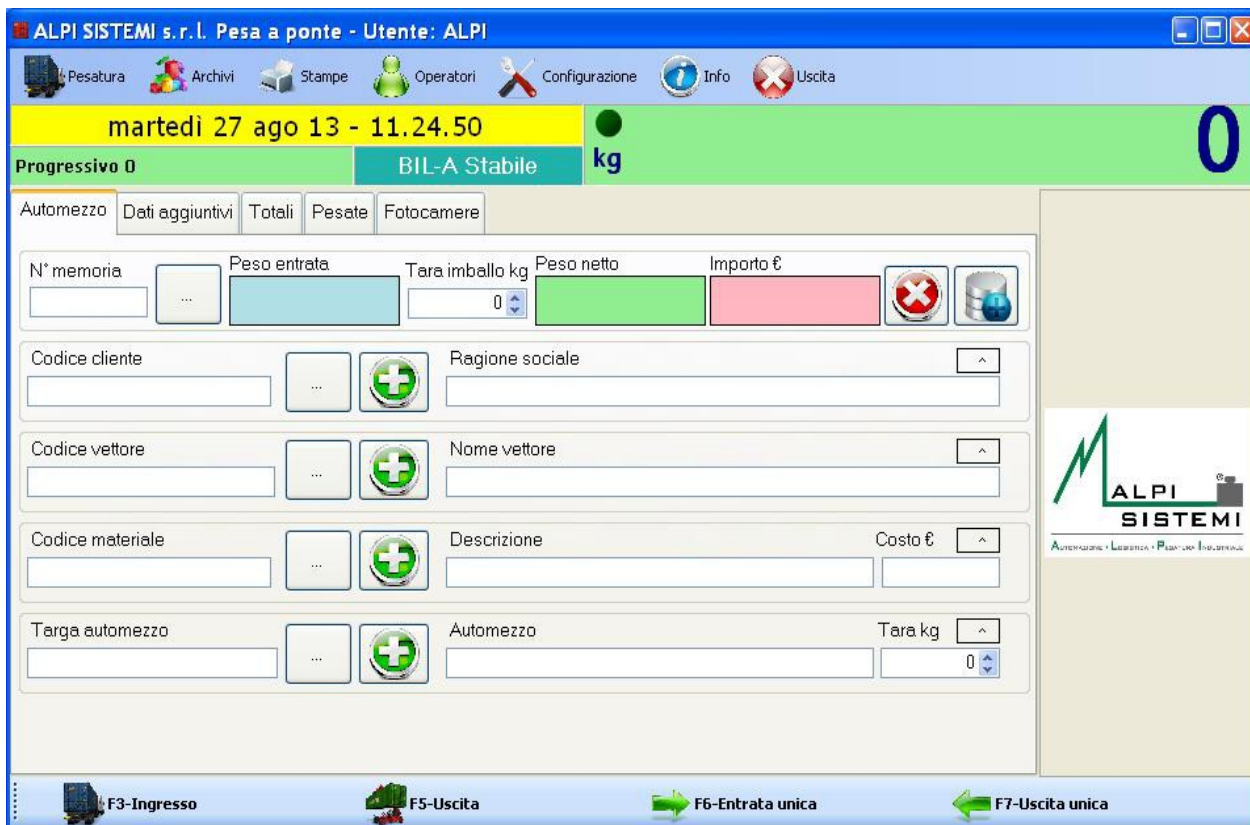
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2 MAIN FORM



The screenshot shows the main interface of the ALPI SISTEMI software. The title bar reads "ALPI SISTEMI s.r.l. Pesa a ponte - Utente: ALPI". The top menu bar includes icons for Pesatura, Archivi, Stampe, Operatori, Configurazione, Info, and Uscita. A yellow status bar displays "martedì 27 ago 13 - 11.24.50". Below this, a green bar shows "Progressivo 0" and "BIL-A Stabile" with a large "0" in a green circle. A tabbed interface has "Automezzo" selected, with other tabs for "Dati aggiuntivi", "Totali", "Pesate", and "Fotocamere". The main area contains several input fields: "N° memoria", "Peso entrata", "Tara imballo kg" (set to 0), "Peso netto", "Importo €", "Codice cliente", "Ragione sociale", "Codice vettore", "Nome vettore", "Codice materiale", "Descrizione", "Costo €", "Targa automezzo", "Automezzo", and "Tara kg" (set to 0). Each field has a dropdown arrow and a green plus icon. On the right, there is a vertical panel with the ALPI SISTEMI logo and the text "AUTOMAZIONE • LOGISTICA • PESATURA INDUSTRIALE". The bottom status bar features four icons with labels: "F3-Ingresso", "F5-Uscita", "F6-Entrata unica", and "F7-Uscita unica".

- **Main Form:** In the above image we can see the main form that opens when you start the software.
- **Cameras window:** On the right of the main form there is the box where we can see different cameras, there are two modes of view for that cameras, one consists in a live view and the other shows the photo of the last weighing.
- **Hour and date frame:** It simply shows date and time refreshed from the Operating System of the pc.
- **Progressive number frame:** In this frame we can see the progressive number of the last weighing. This is a unique code and it will be increased of one point for each weighing.

Is not possible to directly modify this number, to change its value it is necessary to partially or completely clean the weighs archive.

- **Scale Frames:** These are two frames dedicated for the weighing scale, the bigger frame display in real time the weigh transmitted by the scale.

While the other box, smaller than the weight frame, always show the scale status.

Different from the last frame we have the first that change his colour according to the scale state: **[GREEN-STABLE]**; **[BLUE-UNSTABLE]**; **[RED-ERROR]**

Also inside this frame there is a "Signal Light", when the scale is unload, it lights up **GREEN-OK**, then the scale is ready to weigh, whereas if we exceed a limit that was set up in the external configuration file, the Signal Light become **RED** to communicate at the operator that the scale is busy.

- **Data Setting Frames:** The main form of the data setting is organised in five panels:

- Vehicle
- Additional Data
- Total
- Weighs
- Cameras

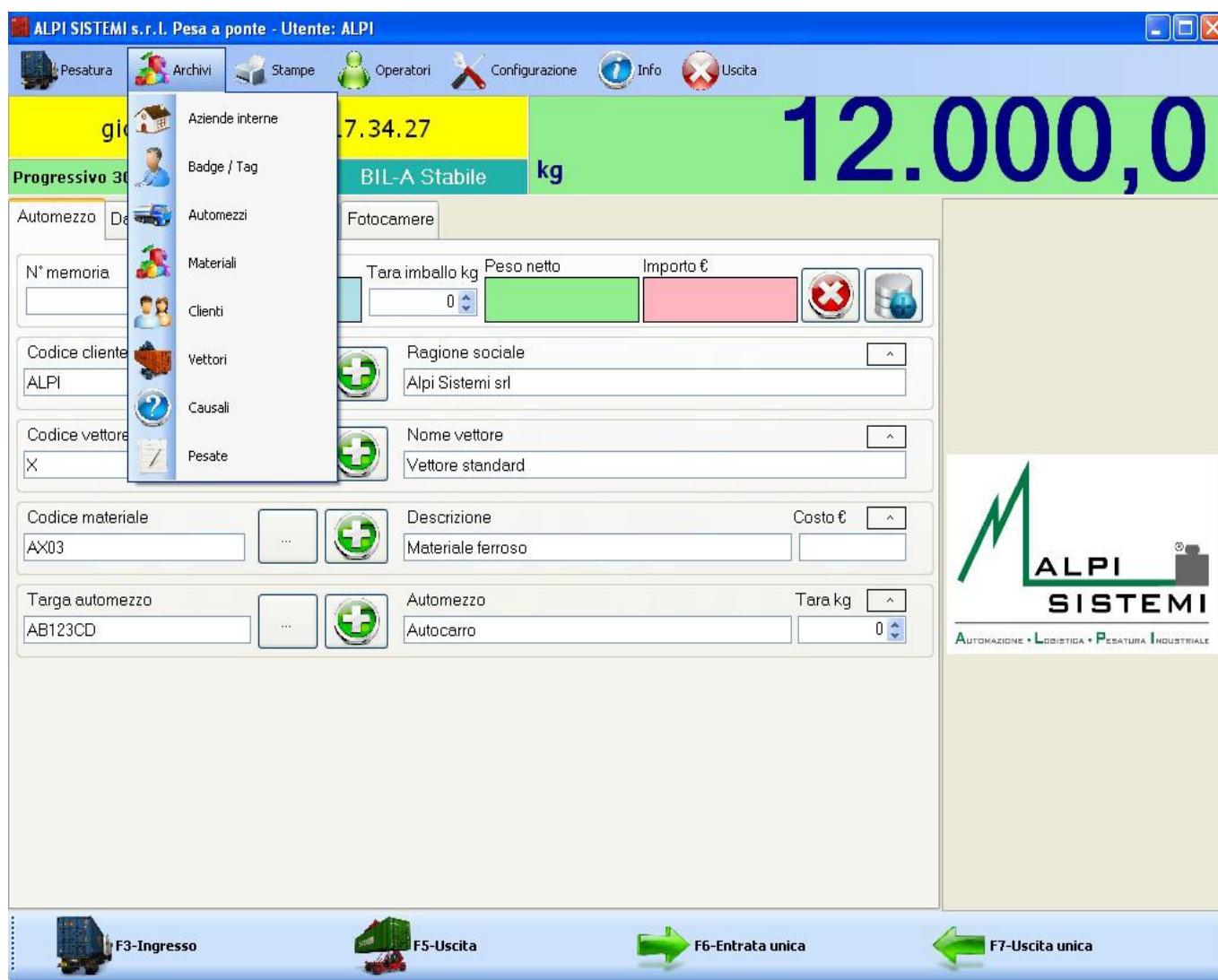
- **Quick Menù:** In the lower part of the main form we can see the quick menù. This menù is customizable by pointing the mouse on the interested voice of the upper main menù and then click the right button of the mouse while holding down CTRL. If the selected voice already was in the quick menù, it will be removed, if not it will be added.

3 DATA SETTINGS

The software have an archives list where we can record data that we can recall later in the data setting frame:

Internal Factories, Badge / Tag, Vehicles, Goods, Customers, Carriers, Causals.

The software is developed to allow to the user an easy and intuitive use also by way of the autofill function, this function is available for any type of data to put in by typing the unique code or a part of this saved in the archives.




The screenshot shows the ALPI SISTEMI software interface. At the top, a blue header bar contains the title "ALPI SISTEMI s.r.l. Pesa a ponte - Utente: ALPI" and several icons for navigation: Pesatura, Archivi, Stampe, Operatori, Configurazione, Info, and Uscita. Below the header, a yellow bar displays "7.34.27" and "kg". A large green bar shows "12.000,0". The main interface is divided into several sections. On the left, a vertical menu lists various data types: Aziende interne, Badge / Tag, Automezzi, Materiali, Clienti, Vettori, Causali, and Pesate. The central area contains several input fields and buttons. The top section has fields for "Tara imballo kg" (set to 0), "Peso netto" (green field), and "Importo €" (pink field). Below these are fields for "Ragione sociale" (Alpi Sistemi srl) and "Nome vettore" (Vettore standard). The bottom section has fields for "Codice materiale" (AX03), "Descrizione" (Materiale ferroso), "Costo €", "Targa automezzo" (AB123CD), "Automezzo" (Autocarro), and "Tara kg" (set to 0). On the right side, there is a large vertical area with the ALPI SISTEMI logo and the text "AUTOMAZIONE • LOGISTICA • PESATURA INDUSTRIALE". At the bottom, a blue bar contains four icons and labels: F3-Ingresso, F5-Uscita, F6-Entrata unica, and F7-Uscita unica.

The data can be manually selected by this selection button  present in every panel.


Materiali


	Codice	Descrizione	Descrizione 2	Riferimento	Costo €
▶	AX01	Materiale ferroso			50
	AX02	Legno			24
	AX03	Plastica			15




Annulla

Cerca








OK

The data can be manually inserted in their fields directly by the keyboard or, if is setted up a touch screen configuration, a virtual keyboard appears every time a field gets pressed.



With this button  present in every panel it is possible to save in the related archive the information that you have inserted.

All this information will be used for weighing and it will be recorded in the weighs archive. In case of "OUT-WEIGHING" the data of the "IN-WEIGHING" should be recalled with the "MEMORY RECALL" function, also this last function is usable by means of the "AUTOFILL" function putting in the known memory number and approving it with the "ENTER" key.

4 MAIN MENÙ



Weighing ->Settings

In this window we can select the scale to use for the weigh.

In the minimum configuration is configured only one scale, but with this software we can connect an unlimited number of scales.

The selected scale will be the same until the next configuration.

Another way for switch between two or more scales is to push the associated button above the quick menù.

Weighing ->In-Weighing

This button allow to do the IN-WEIGHING.

The data that should be associated with the weighing, shall be inserted before.

Alternatively can be inserted before confirming the OUT-WEIGHING.

The performed activities:

- Record of the weight when the scale is stable.
- Calculation of the progressive number of the weigh.
- Calculation and writing of the temporary memory number to subsequently do the OUT-WEIGHING
- Calculation of the "Delivery Note" progressive number(if used)
- Increase of the "IN-WEIGHING" totals
- Record of the weigh in the Database
- "IN-Label" printing(if used)
- Data cleaning from the Main Form frames

Weighing ->Memory

This function displays the "IN-WEIGHINGS" looking forward to the "OUT-WEIGHING"

	Memoria	Data	Targa	Pesata	Cliente	Automezzo	Vettore
▶	4	24/09/2012 16.07		1			
	5	24/09/2012 16.09	XYZ	1		Bilico	Vettore s
	6	30/09/2012 11.44		1059			
	7	30/09/2012 11.45		1040			

After have selected the interested weighing, the associated Data will be recalled on the main form. This operation is needful to do an "OUT-WEIGHING".

If the "OUT-WEIGHING" function be selected without an "IN-WEIGHING" recall, this operation will be automatically requested by the software.

The recalled data can be modified or completed.

If incorrect data are recalled or we won't do an "OUT-WEIGHING" is necessary to push the red "X" button on the main form, this button will clean all the field of the main form.

Weighing ->Out-Weighing

This function allow to do the "OUT-WEIGHING" against a weighted input recalled from memory.

The performed activities:

- Record of the weight when the scale is stable.
- Calculation of the "Net" and "Gross" values against the "IN-WEIGHING"
- Calculation of the "Delivery Note" progressive number(if used)
- Increase of the "OUT-WEIGHING" totals
- "OUT-Label" printing(if used)
- Data cleaning from the Main Form frames

Weighing ->IN/OUT Unique weighing

This function allow to do a unique weighing without the IN-WEIGHING--->OUT-WEIGHING procedure.

Normally it is used when the veichle to weigh have a "Known-Tare".

The "Net" and the "Gross" are recorded without the "IN/OUT-WEIGHING" data.

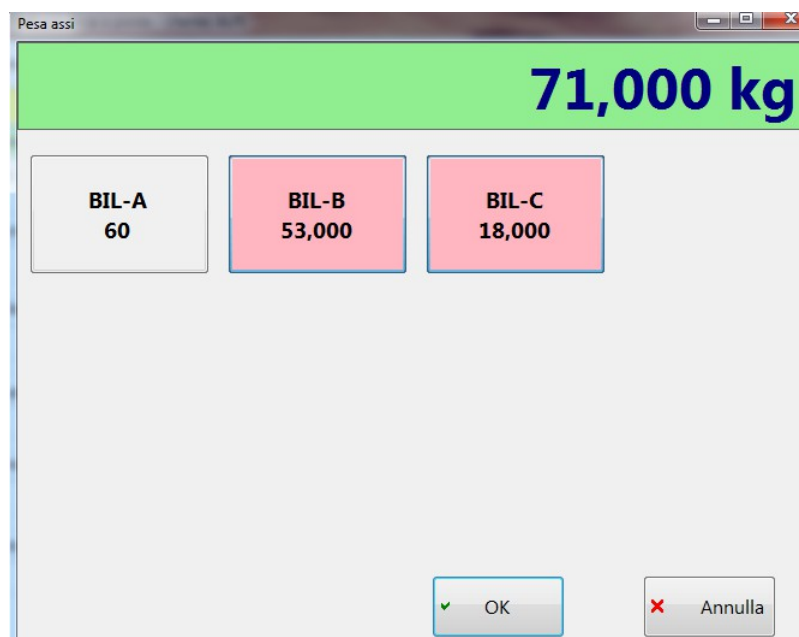
The data that should be associated with the weighing,shall be inserted before.

The performed activities:

- Record of the weight when the scale is stable.
- Calculation of "Net" weight against of the pre-set "Tare".
- Calculation of the progressive number of the weigh.
- Calculation of the "Delivery Note" progressive number(if used)
- Increase of the "IN/OUT-WEIGHING" totals
- Record of the weighing on the database
- Label printing(if used)
- Data cleaning from the Main Form frames

Weighing ->Axle Weighing

The "Axle Weighing" is enabled only if in the software were set up scales to do this.



In this centre, the window displays all the "Axle Weighing" configured scales and their real time weight.

In the upper part of the window is displayed the total weight of the selected scales.

The selected balances are in "Red", the unselected scales are in "Grey".

The selection is simply performed by clicking on the scale's button.

The performed activities by the "Axle Weighing" function are the same as the other modes of weighing, this mode in addition of the others only have the record for each weighing axle.

Weighing ->Memory reset

With the pressure of this button all the "Temporary Memories" of the "IN-WEIGHINGS" will be erased.

Weighing ->Scale Zeroing

If on the software is configured a scale that support this function, by pushing this button the weight indicator(scale) and at the same on the PC the weight will be zeroed.

Weighing ->Weight from keyboard

This function allow to manually insert a weight value.

Archives

Allow the manual customization of the archives:

- Internal Factories
- Badge/Tag
- Vehicles
- Goods
- Customers
- Carriers
- Causals
- Weighs

The interface is the same for each archive.(See the paragraph below)

Prints->Reprint Last Label

This function allow to reprint the last produced label independently of the type of weighing.

Prints->Reprint Label

Permit to reprint a label previously printed by selecting one from the list that appears. The label will be printed as the same as the label that was previously printed.(IN/OUT-WEIGHING,UNIQUE WEIGHING,AXLE WEIGHING).

Prints->Custom Label

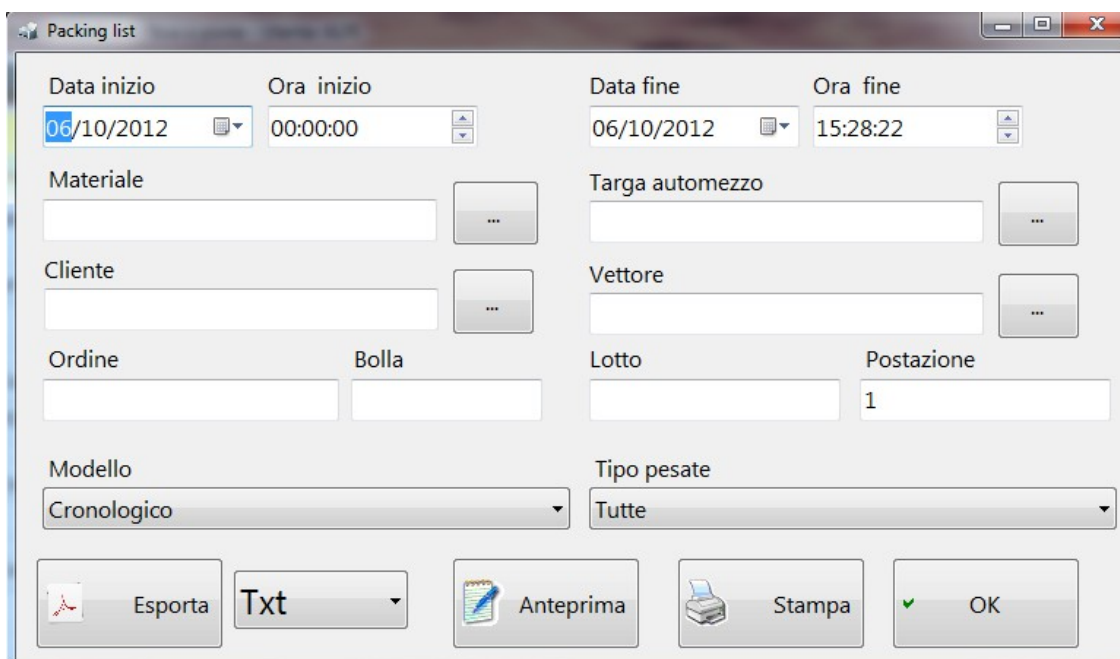
This is an utility function used to test the configured printer,it allow to select the label type and to manually select all the data that will be printed.

The required data are those listed on the label layout.

This feature is also useful to reprint a label that has been deleted from the weighing archive.

Prints->Packing list

This function allow to print a report based on the weighings contained in the archive.



The screenshot shows a software window titled "Packing list". It contains several input fields and buttons. At the top, there are four date and time pickers: "Data inizio" (06/10/2012), "Ora inizio" (00:00:00), "Data fine" (06/10/2012), and "Ora fine" (15:28:22). Below these are two rows of text boxes with dropdown arrows: "Materiale" and "Targa automezzo" in the first row, and "Cliente" and "Vettore" in the second. The third row has "Ordine" and "Bolla" on the left, and "Lotto" and "Postazione" (with a value of 1) on the right. Below these are two dropdown menus: "Modello" (set to "Cronologico") and "Tipo pesate" (set to "Tutte"). At the bottom, there are five buttons: "Esporta" (with a PDF icon), a dropdown menu currently showing "Txt", "Anteprima" (with a notepad icon), "Stampa" (with a printer icon), and "OK" (with a green checkmark icon).

It is possible to select the print data through various filters:

- **Date Time Start:** Date and Time for the selection start. When the window opens automatically propose midnight of the current day.
- **Date Time End:** Date and Time for the selection end. When the window opens automatically propose current date and time.
- **Good:** Filter on the material code, can be set or selected from the database.
- **Vehicle license plate:** Filter on the license plate, can be set or selected from the archive.
- **Customer:** Filter on the customer code, can be set or selected from the archive.
- **Carrier:** Filter on the carrier code, can be set or selected from the archive.
- **Order, Delivery Note, Lot:** Filter on the related fields that are part of the additional weigh data.

Workspace: Workspace that can be set in the software if more applications are installed on the same scales or if they are connected with different scales but working on the same database.

Model: Type of report to print:

- Chronological: Weighs list in chronological order with the general total.
- Good: Weighs list subdivided and totalized by material code.
- Customer: Weighs list subdivided and totalized by customer code.
- Carrier: Weighs list subdivided and totalized by carrier code.
- Vehicle: Weighs list subdivided and totalized by vehicle license plate code.

Weighs type: Filters the list by weighs type:

- All
- Unique
- In-weighing
- Out-weighing

The preview of the report can be viewed, printed or exported in various formats.

Depending on the installation, reports can be of two formats:

- Base: integrated into the program and allows you to preview, print and export formats: text and xml.
- Advanced: allows you to preview, print and export formats: text, xml, pdf, word, excel. To use this mode, you need to install the package SAP Crystal Reports.

In this circumstance the Report templates are external to the program in RPT format and must reside in the application folder.

The RPT are customizable on request or directly by the customer if in possession of a SAP Crystal Reports editor.

The setting of the report template to use is in the application configuration file.

Operators->Login

Allows the access to the operator who will use the program.

The operator remains set until the next change.

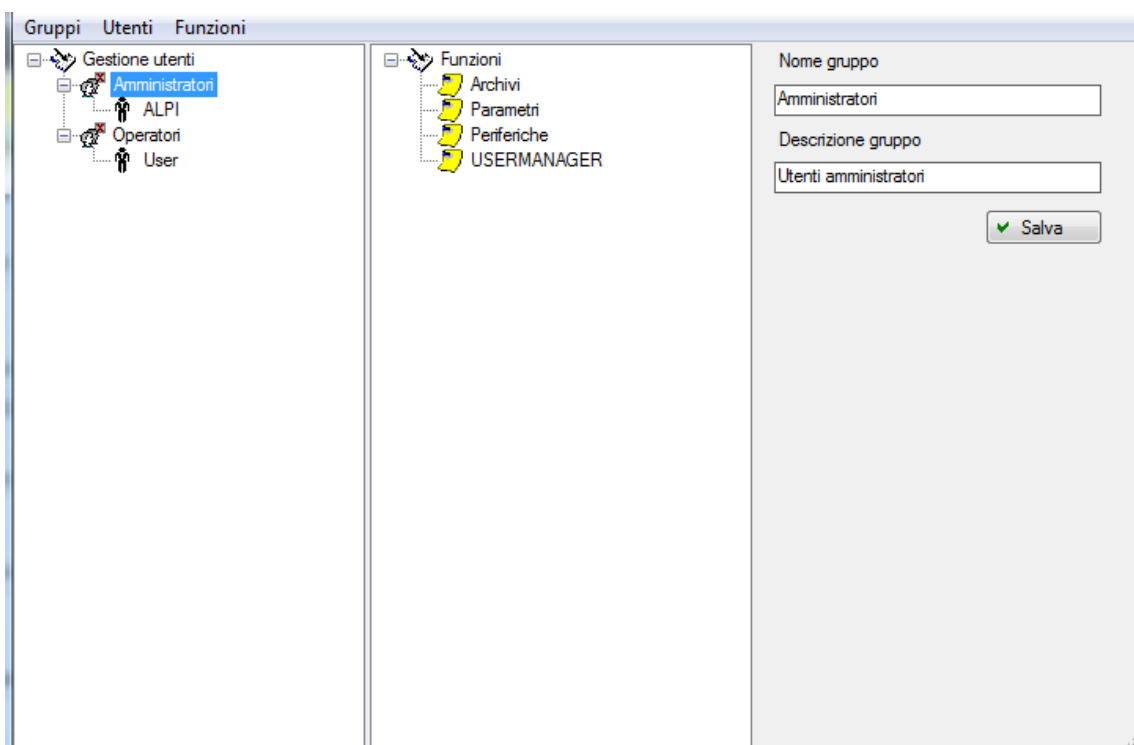
The user name with which you logged on is displayed in the title of the main window of the program.

Depending on the user category functions are enabled or disabled in the menu of the software.

When the program starts the user authentication is required unless you have configured an automatic login set in the software configuration file.

Operators->Users management

Allows you to set enabled users of the program and assign the enabled functions based on the group membership.



Users should be divided into groups. Groups and users can be inserted without restrictions. For each user, you must enter: login name, full name, password, small notes and tick the enable flag.

A disabled user cannot access into the software.

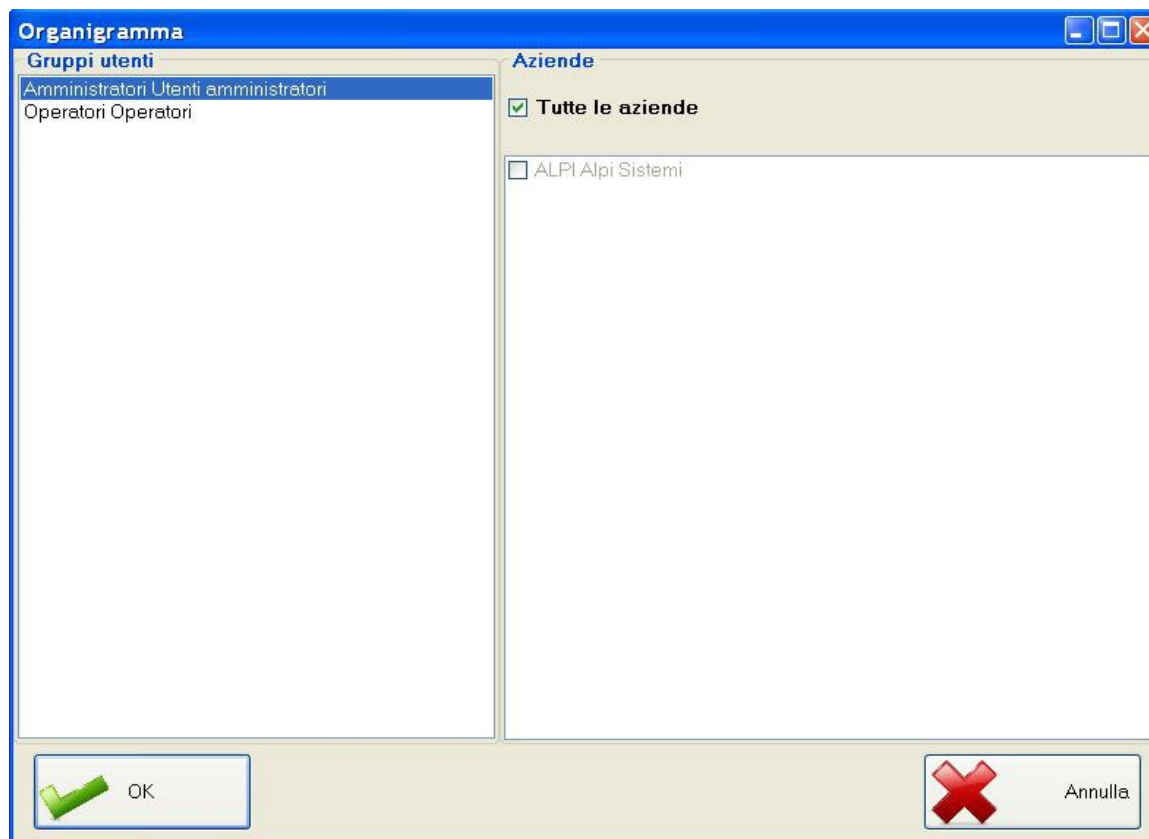
For each group, you must configure the access to the functions of the software. The functions of the software are fixed and can only be changed by an "Administrator User" of the system.

The administrator can set for each function and for each group:

- Enabling, if not set each user of the group will not be able to access to the function.
- Confirmation Request, if is set the program will submit a request for confirmation when you activate the function.
- User password prompt, if set the program will ask the password of the logged in user to activate the function.
- Password function request, if set the software requires a specific password function.
- Level of access, diversifies the kind of access to a function: not used.

All of these flags can be activated individually. At the bottom you can change the description of the function and the login password for the single function.
All settings must be repeated for all configured groups.

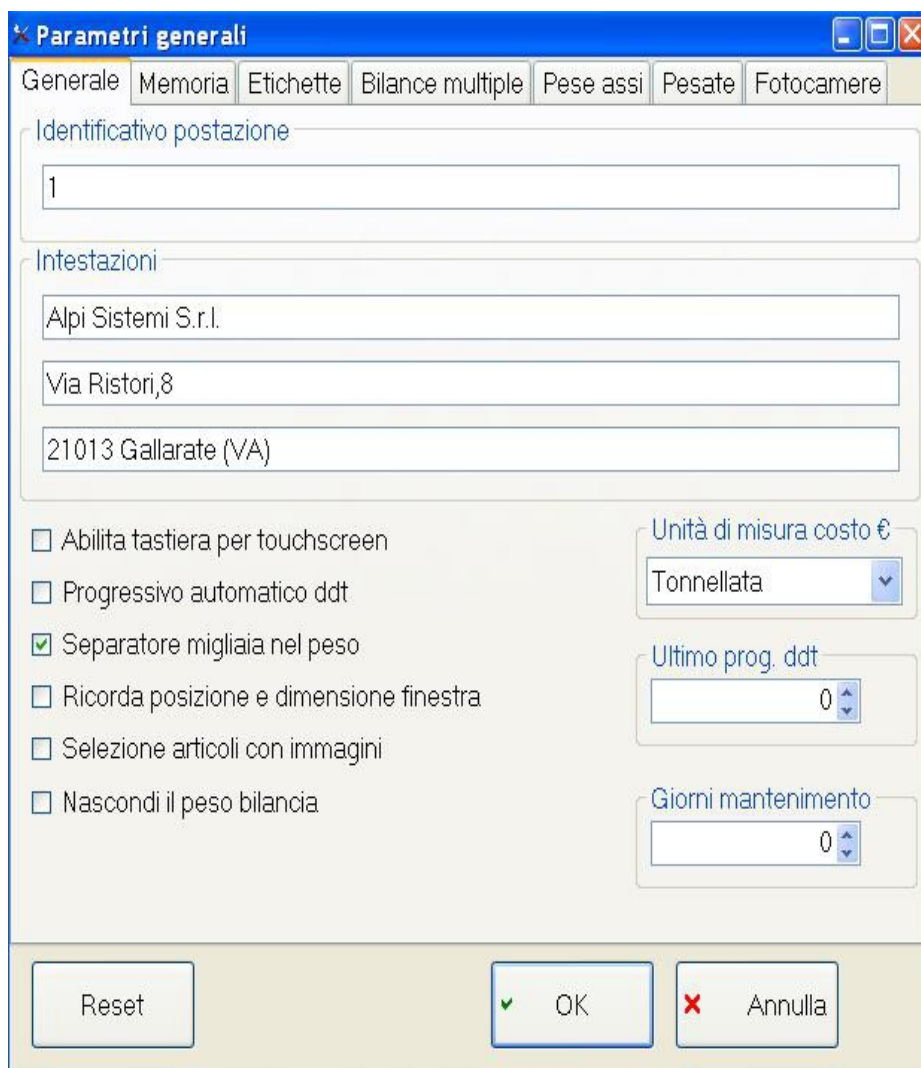
Operators->Organization Chart



If there are multiple internal companies, in this section of the software, you can allow or deny access to the factories data to one or more user groups.
For any user group on the left side of the window you can enable access to one or more companies listed on the right side.
Access to the settings of this organization chart are usually permitted only to the user group: Administrators.

Configuration->Parameters

This allows you to set the operating parameters of the program.
The form is divided into different panels for each category.



Parametri generali

Generale Memoria Etichette Bilance multiple Pese assi Pesate Fotocamere

Identificativo postazione

1

Intestazioni

Alpi Sistemi S.r.l.

Via Ristori,8

21013 Gallarate (VA)

☐ Abilita tastiera per touchscreen

☐ Progressivo automatico ddt

☒ Separatore migliaia nel peso

☐ Ricorda posizione e dimensione finestra

☐ Selezione articoli con immagini

☐ Nascondi il peso bilancia

Unità di misura costo €

Tonnellata

Ultimo prog. ddt

0

Giorni mantenimento

0

Reset OK Annulla

General

Workstation Identifier: In case of multi-installation of the program with the same database, uniquely identifies the workstation.

Headers: Three lines of variables headers that can be printed on the label.

Days of Maintaining: If this value is different from zero, the software at the start performs the cancellation of the weighings older than the indicated value against of the actual date.

Cost's Measurement unit: Selection of the measurement unit on which to apply a possible price that the program will use to calculate the total cost of weighing.

Delivery note's automatic progressive: Check mark that indicates whether to generate the delivery note's automatic progressive.

If the number of delivery note is not set, for each weighing it will be increased by one. It is a counter that can be printed on the label, in doing so this last can become a delivery note to all effects.

Last Delivery Note's number: Last Number of delivery note to be set to resume the numbering at the beginning of the year or for the situations that require it.

Touchscreen keyboard enabling: Function that allows to use the software on a Touchscreen PC. In practice, for each setting field that you want to fill, the software will open a virtual alphanumeric keyboard.

Weight's thousands separator: Enables the printing of the thousands separator of the weight on the label. On the overall interface of the software the view of this separator is directly set on the device settings. (Scale)

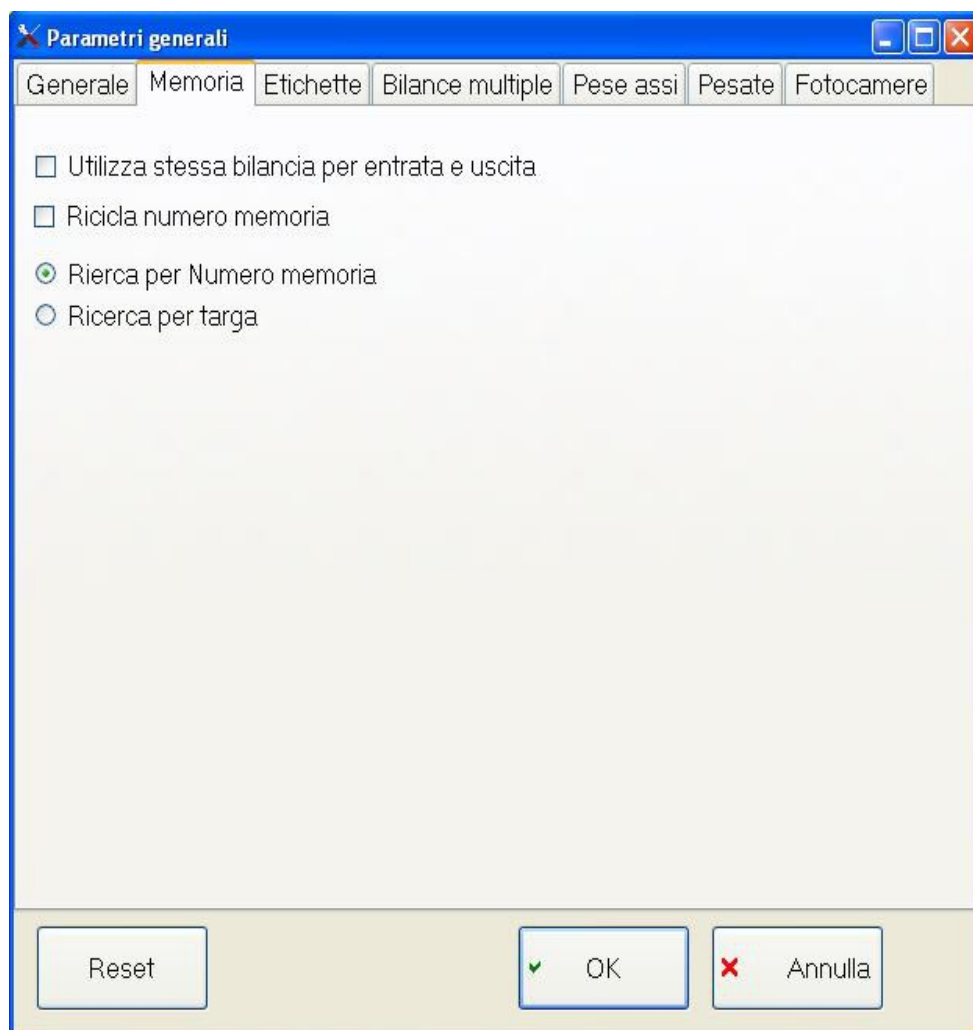
Remember window position and size: By selecting this function, the program will keep for each time that you start it the same position and size of the window.

Selecting items with pictures: If checked, when you select the item in weighing operation, a window with the images of the articles included in the database will appear, but if unchecked you will see a list of them.

Hide the weight: With this feature enabled the weight of the balance remains hidden until the weighing is confirmed.

When you confirm the weighing process, a window that contains the information of the weigh opens.

Memory



Use the same scale for the IN/OUT weighing: With this check mark, in case of two or more configured scales, forces the user to use the same scale for the IN and the OUT weighing.

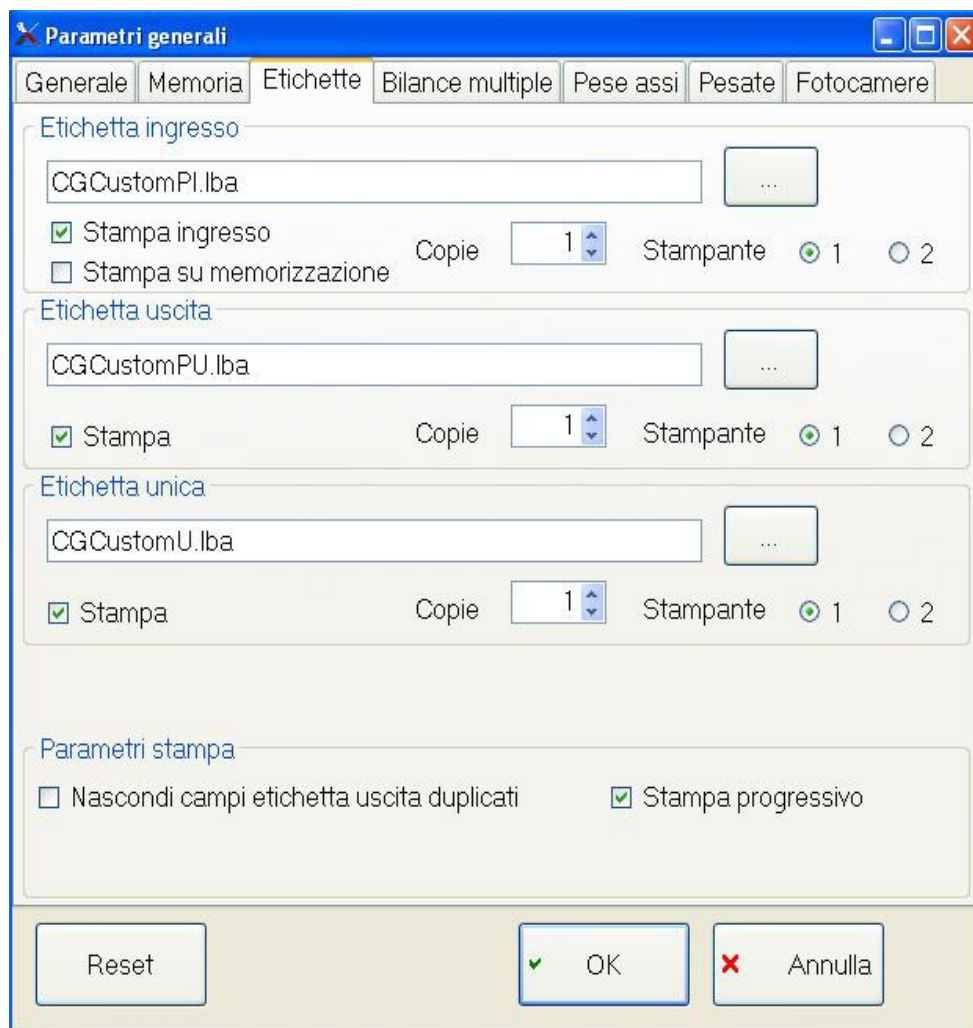
In case of a single scale configuration this function will not take effect.

Memory number recycling: If selected, in case of a variable number of temporary memories, the software will use the lowest number of available memory.

In normal condition, then by unchecking this feature, the program for each input weigh generates a temporary progressive memory.

Search by memory number/license plate: Depending on your selection, you can call the entrance weigh directly by entering the memory number or the license plate code in the main form of the software.

Labels



Parametri generali

Generale Memoria Etichette Balance multiple Pese assi Pesate Fotocamere

Etichetta ingresso

CGCustomPI.lba

☒ Stampa ingresso Copie 1 Stampante 1 2

☐ Stampa su memorizzazione

Etichetta uscita

CGCustomPU.lba

☒ Stampa Copie 1 Stampante 1 2

Etichetta unica

CGCustomU.lba

☒ Stampa Copie 1 Stampante 1 2

Parametri stampa

☐ Nascondi campi etichetta uscita duplicati ☒ Stampa progressivo

Reset OK Annulla

Unique,IN,OUT Labels: Name of the label layout to be printed according to the weighing type. The label format can be of different types. For more details see the "Label Layout" section.

The layout file must be in the application folder.

If you do not set the corresponding label, this last will not be printed on the related operation. The label is printed only if the "Print" box is checked.

Copies: Number of identical copies to be printed.

Printer: Indicates which device will print the corresponding label.


1 and 2 refers to the items "Printer" and "Printer2" of the configured devices.

Hide doubled label fields: This function allows the use of the same tag / label, of course with a suitable layout, both for printing the IN and the OUT weigh.

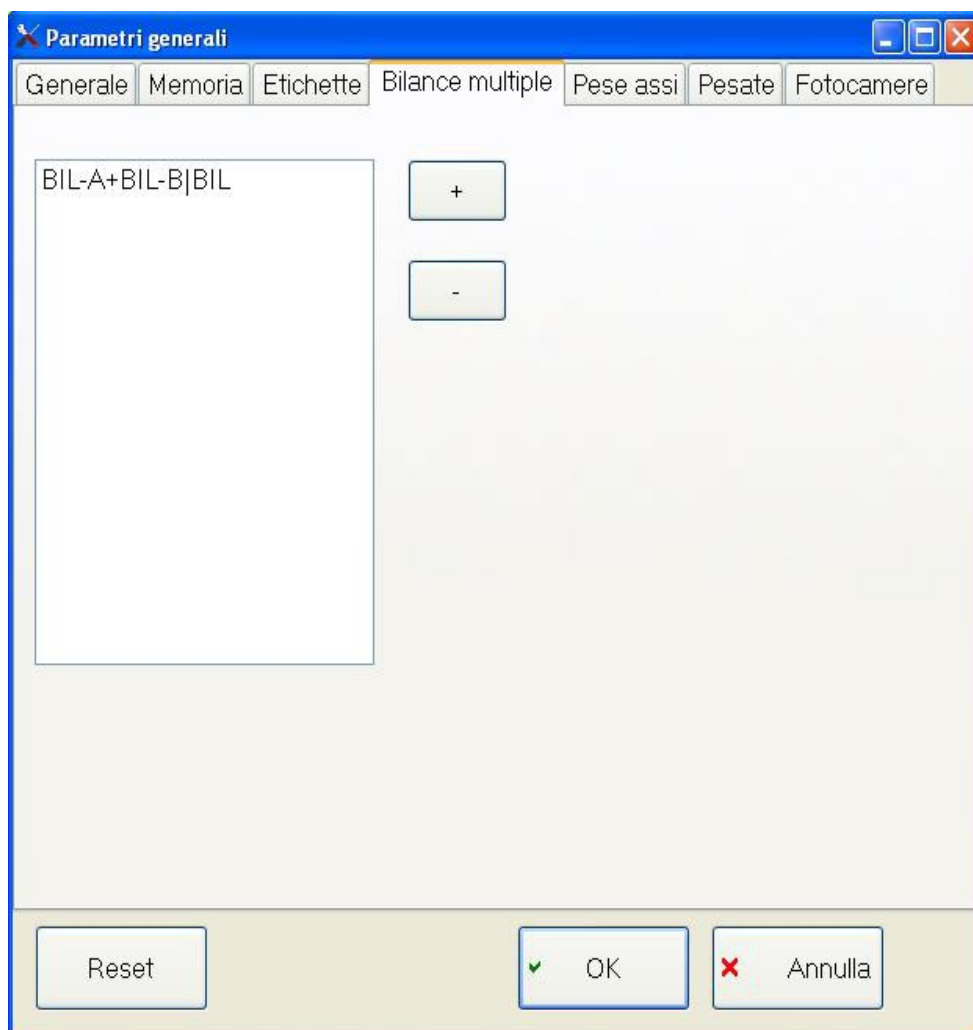
If you are going to use 2 different layouts for the IN and the OUT weighing it is not necessary to use this function.

Progressive number printing: With this function selected, the progressive number of the weighing will be printed on the label.

The label layout must contain the related variable field.

Printing on storage: If selected, the program allows you to print a label with modified input fields by using the "Storage Button"  in the main form of the software.

Multiple Scales

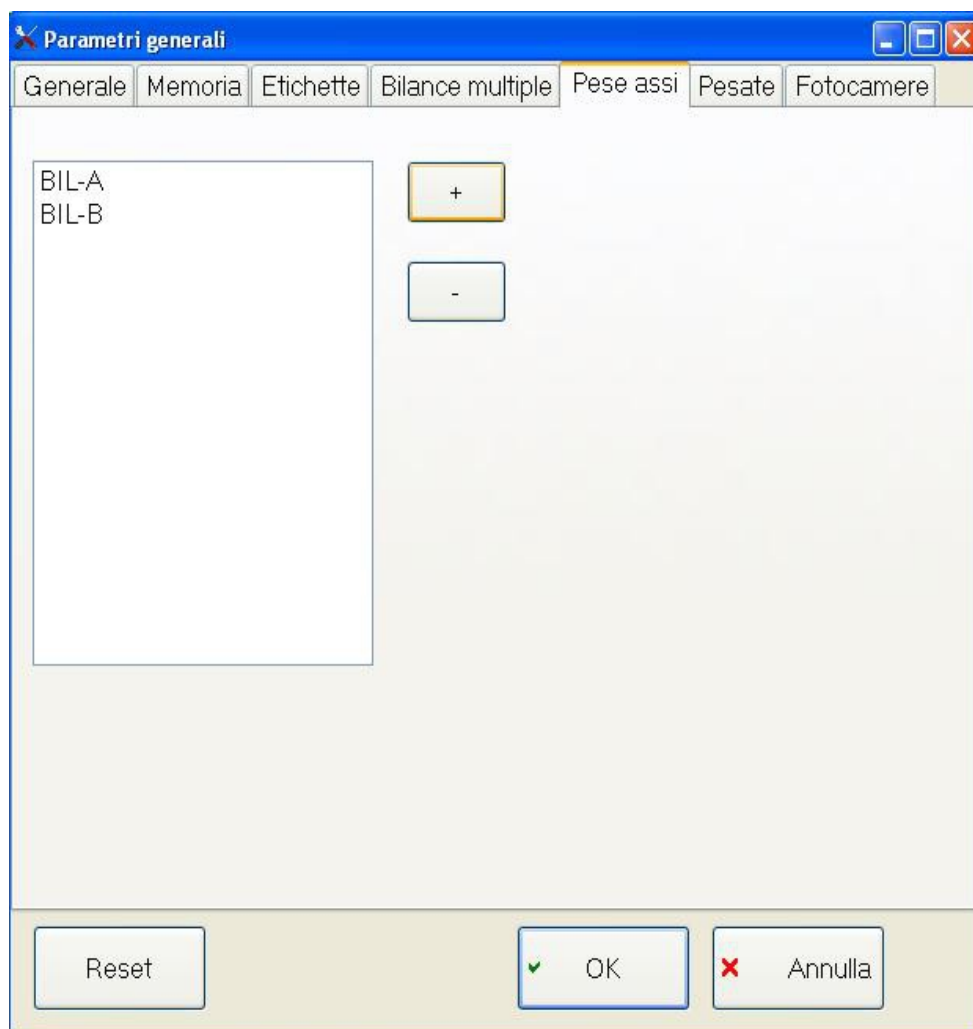


Allows to create a "Virtual Scale" from the union of any two scales between those configured.

The created scale will be seen from the software like a 3rd scale showing the weight obtained from the sum of the weights.

As for the individuals scales, in order to see the weight of the "Virtual Scale" it must be selected from the "Settings Menù".

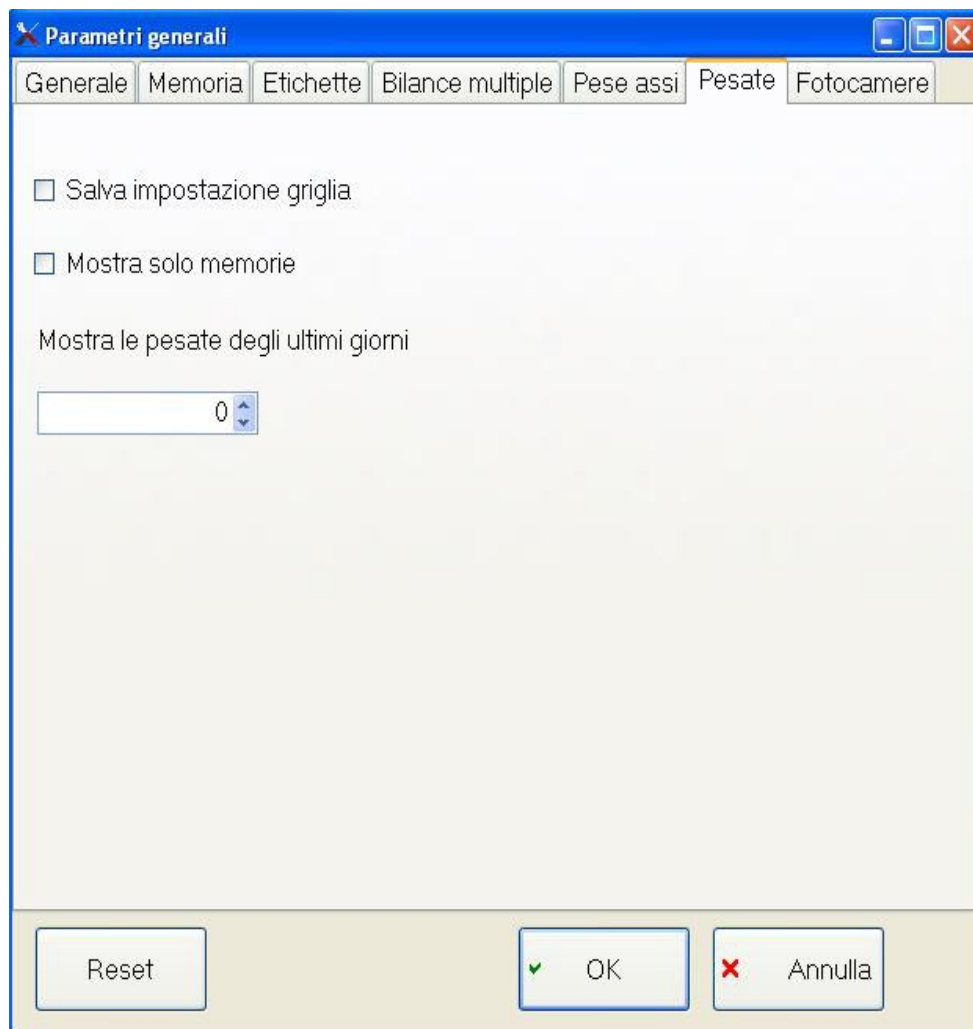
Axle weighing



Identifies which balances between those configured can be used for the axles weighing function.

You can add or remove a scale for the axle weighing function simply by using the + and - buttons in this window.

Weighings



The screenshot shows a software window titled "Parametri generali" with a blue title bar and standard Windows window controls. It contains several tabs: "Generale", "Memoria", "Etichette", "Bilance multiple", "Pese assi", "Pesate" (which is the active tab), and "Fotocamere". The "Pesate" tab contains the following settings:

- ☐ Salva impostazione griglia
- ☐ Mostra solo memorie
- Mostra le pesate degli ultimi giorni
- A numeric input field with the value "0" and up/down arrow buttons.

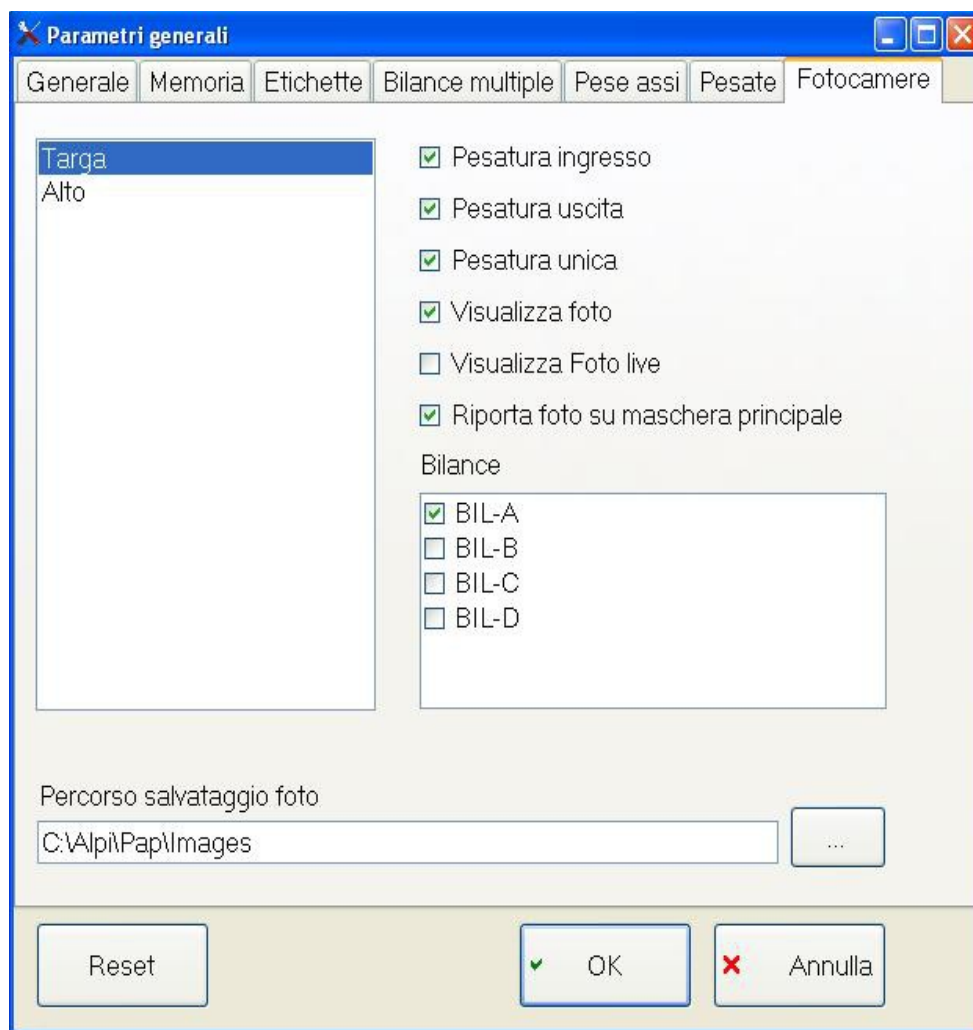
At the bottom of the dialog, there are three buttons: "Reset", "OK" (with a green checkmark icon), and "Annulla" (with a red X icon).

Grid Settings save: If selected, the position and the size of the columns into the "Weighs" panel of the main form of the software will be kept also when you restart the software.

Show only memories: By checking this function, into the "Weighs" panel will be displayed only the weighs that are waiting the OUT-WEIGHING.

Show the last days weighings: By setting a number different from zero, into the "Weighs" panel, in addition to the current weighings will also be displayed the weighings for the previously set number of days.

Cameras



The left frame shows the cameras that have been previously installed with the "Devices Configuration". (See the related paragraph)

For each of these cameras we can set various functions:

IN/OUT/Unique Weighing: By selecting these options, the selected camera will take a picture at the same time when the corresponding weighing is performed.

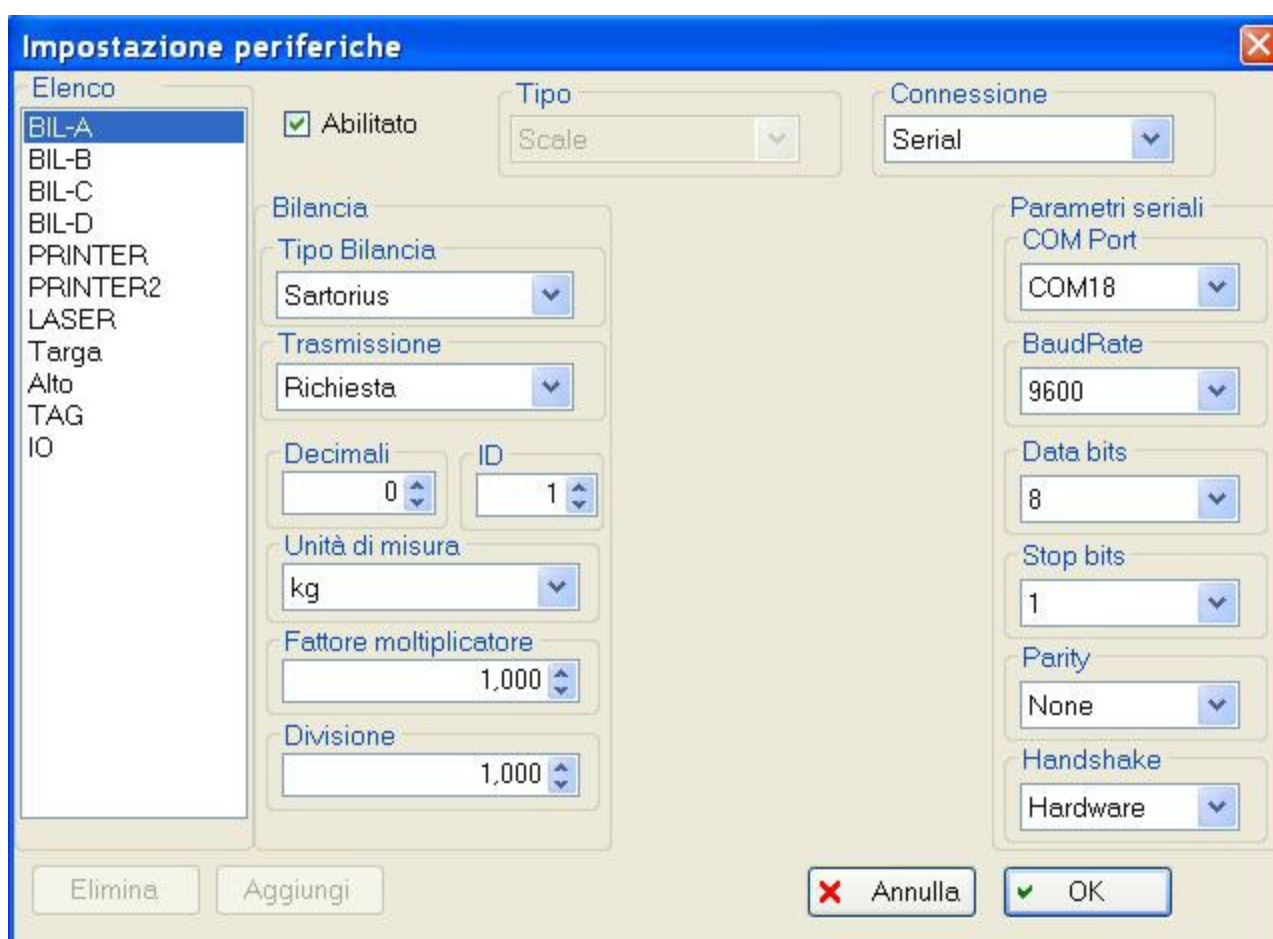
Show Photos: With this option enabled, the tab "Camera" of the software, shows always the last picture taken by the selected camera.

Show live photos: If enabled, the camera will be set in multi-shot mode in order to obtain a real-time view.

Report Photo on the main form: A feature that Enables the view of the cameras also in the appropriate box in the main form, keeping them still active in the cameras tab.

Scales: For each camera, is possible to set the pairing to one or more scales.

Configuration->Devices



Allows you to set all the communication parameters of the devices. After any change you need to quit and relaunch the program.

The incorrectly editing of these values may result in not working devices is therefore to be performed only by the technicians of "Alpi Sistemi" or under their direct indication.

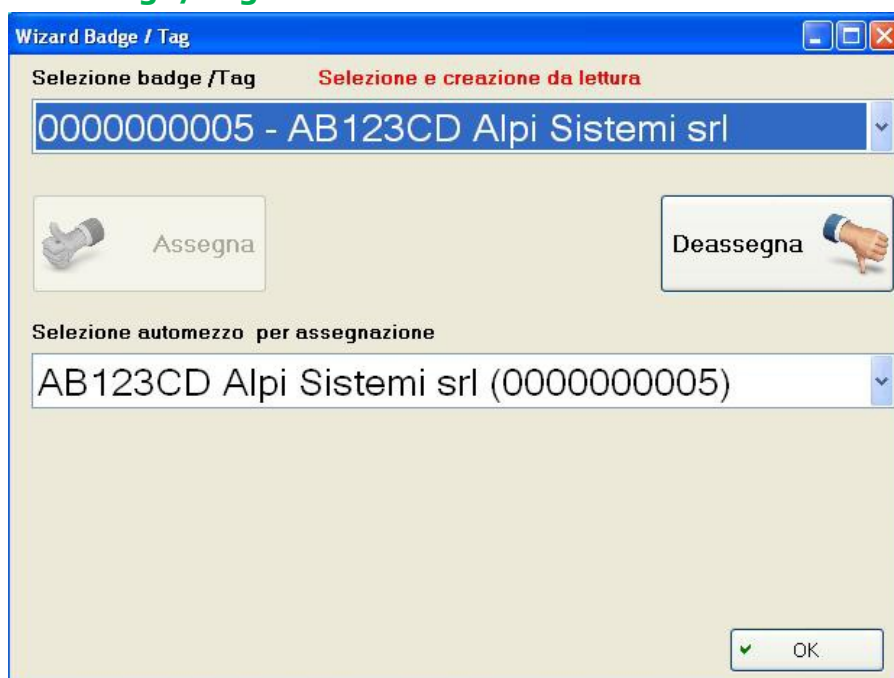
The generally connectable devices are:

BIL-A: First Scale
BIL-B: Second Scale
BIL-C: Third Scale
BIL-D: Fourth Scale
PRINTER: First Printer
PRINTER2: Second Printer
LASER: Barcode Reader
TARGA: First Camera
ALTO: Second Camera
TAG: RFID tag Reader
IO: I/O logic board

In case of workstations with more than one scale (axle weighing) as for the cameras the list of the scales can increase following the alphabetical order.

These settings are stored on an external file ExtDevice.xml that must reside in the same folder of the application.

Configuration->Badge/Tag Wizard



The screenshot shows a software window titled "Wizard Badge / Tag". It has a blue title bar with standard Windows window controls. The main area is divided into two sections. The top section is titled "Selezione badge /Tag" and "Selezione e creazione da lettura". It contains a text box with the value "0000000005 - AB123CD Alpi Sistemi srl" and a dropdown arrow. Below this are two buttons: "Assegna" (with a hand icon pointing up) and "Deassegna" (with a hand icon pointing down). The bottom section is titled "Selezione automezzo per assegnazione" and contains a text box with the value "AB123CD Alpi Sistemi srl (0000000005)" and a dropdown arrow. At the bottom right, there is an "OK" button with a green checkmark icon.

This window allows you to register and then bind to its vehicles / customers the badges / RFID tags that we are going to use.

Add tags into the program takes place only through reading the same with the suitable reader configured in the "Devices Configuration".

New tags recording:

1. Open the suitable wizard
2. Pass the Tag/Badge on the previously set reader.
3. Inside the first box, you will see the new tag with a unique code automatically assigned by the application.
4. In order, to record new tags simply repeat from the 2nd instruction.

After recording all the tags we will have to use, we can associate them with the previously created vehicles.

Tag Association-->Vehicles:

1. Call the tag to be associated by selecting it from the drop-down menù or retrieving it directly through the RFID tag reader.
2. Select a vehicle from the bottom menù and press the "Assign" button.
3. To dissociate a vehicle from its tag, perform step No. 1 and press "Dissociate".

Information

Shows the release of the software and the manufacturer data.



Exit

Allows to close the software.

Depending on a setting in the configuration file may simply allow to close the software or display a form with multiple options.

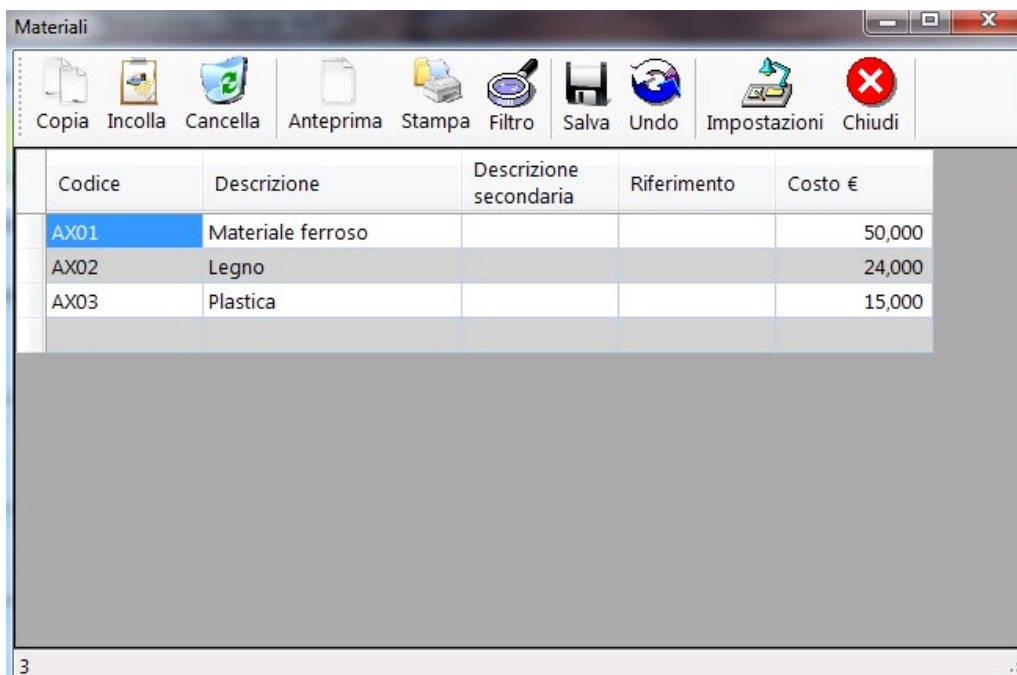


5 ARCHIVES MANAGEMENT

All the tables included in the "Archives" menù have the same interface but with different fields.

It looks like an Excel worksheet divided into rows and columns.

When it opens all the records in this table are loaded.



The screenshot shows a window titled 'Materiali' with a toolbar containing icons for Copia, Incolla, Cancella, Anteprima, Stampa, Filtro, Salva, Undo, Impostazioni, and Chiudi. Below the toolbar is a table with the following data:

Codice	Descrizione	Descrizione secondaria	Riferimento	Costo €
AX01	Materiale ferroso			50,000
AX02	Legno			24,000
AX03	Plastica			15,000

The window is divided into several parts:

Buttons area:

By positioning the mouse over a button in a few seconds you will see a short description of the function.

- **Copy:**Creates a copy of the selected lines. These can then be added with the paste function.
- **Paste:**It allows to paste the previously copied rows.In the tables with unique code multiple rows can not be copied at the same time because you will have a key violation exception. Is recommended to copy and paste line by line replacing immediately the unique code .
- **Delete:**Deletes the selected records. If a complete row is not selected the deletion is performed on the row with the selected cell.
- **Preview:**Shows a print preview of all the displayed rows.
- **Print:**Print directly the report of all the displayed rows.Format and printed fields reflect what appears on the screen in the form of the records.
- **Filter:**Allows you to set a search filter on the selected column.

The possible filters are:

"=" Applicable to any type of field;

">= <=" Only applicable to numeric fields and/or dates;

"<>" Different:applicable to any field ;

"(..)" Contains: Only applicable to alphanumeric fields.

- **Save:**Allows you to save your changes, new registrations, changes and cancellation.
- **Undo:**Cancel all changes made since the last save and Reset all filters.
- **Settings:**Saves the customizations of the grid to ensure that at the reopening will open in the same way.(see the "Aspect Customization" paragraph)
- **Close:**Leaves the table management.If changes of any kind have been made, the program asks whether to save the changes before closing the window.

Grid Area:

In the middle of the window all the records of the table are listed. You can browse with the arrow keys, by using the mouse on the grid or with the side scroll bar. Position the cursor on a column to select the column to be used for research. By pressing the left mouse button on the column title is automatically set the ordering of the field.

Pushing the right mouse button on the column header a menu which allows you to perform complex searches and sorts appears.

The function performed will act only on the field where you made the click of the mouse.

- **Sort:** Cancels the current sorting and sets the selected field as the only sort in ascending mode.
- **Add sorting:** Adds the selected field to the current order, in ascending mode.
- **Descending sort:** Cancels the current sorting and sets the selected field as the only sort in descending mode.
- **Add descending sort:** Adds the selected field to the current order, in descending mode.
- **New Filter:** Clear all the current research filters and sets up a new filter with the selected mode:
 - ♦ **>=** : Search by greater or same values as that set.
 - ♦ **=** : Search the same values as the one set.
 - ♦ **<=** : Search by lower or same values as that set.
 - ♦ **<>** : Search different values from the one set.
 - ♦ **(..)** : Search values that contain the one set.

The research shows only the records that match the criteria you set.

- **Add Filter:** Adds to the existing filters a new filter value and criteria.
- **Reset Filters:** Remove all filters set and restores the sorting to the original.
- **In print field:** Check that allows to insert or exclude fields in the printing of the report.

Filters settings are displayed in the right area of the Close button.

Appearance customization: With the mouse using the "Drag & Drop" on the title of the column you can move the columns to present them in the preferred order. By positioning on the line of separation between a column and another is possible to increase or decrease the size of the columns.

All the customizations (excluding filters) are saved using the Settings button.

6 BASIC CONFIGURATION AND DATABASE

The application has a configuration file called Pap.exe.config that must reside in the same folder of the installation.

This file allows you to set basic parameters while all other parameters are recorded in the database.

The format is xml and can be edited with a text or XML editor.

Incorrect handling of this file may affect the start of the program itself.

Generally, the application is installed using the appropriate setup program, or with a simple copy / paste of the folder containing the installation files.

The program works on any Microsoft platform (32/64) with Access database.

Afterwards, by editing the configuration file, you can change the location of the access database (for example, on a network folder) or completely change the type.

Is provided the use of SQL Server and Oracle databases, generally any database with ADO OLEDB driver.

On these occasions, is recommended that the installation be performed by a technician of Alpi Sistemi.

On request it is available the 64-bit version.

Example:

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <connectionStrings>
    <add name="Database" connectionString="Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=PAP.mdb;Persist Security Info=False" />
    <!--
      Standard connection string for Access on a 32 bit OS
    <add name="Database" connectionString="Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=PAP.mdb;Persist Security Info=False" />

      Standard connection string for Access on a 64 bit OS
    <add name="Database" connectionString="Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=PAP.mdb;Persist Security Info=False" />

      Connection string for SQL Server 32/64 bit
    <add name="Database" connectionString="Provider=SQLNCLI11;Persist Security Info=True;User
ID=sa;Password=;Initial Catalog=PAP;Data Source=(local)" />
    -->
  </connectionStrings>
  <appSettings>
    <!-- Workstation ID for settings -->
    <add key="IDStation" value="01" />

    <!-- Maximize the window -->
    <add key="Maximized" value="0" />
    <!-- Use Crystal report for the prints -->
    <add key="AdvancedReport" value="1" />
  </appSettings>
</configuration>
```



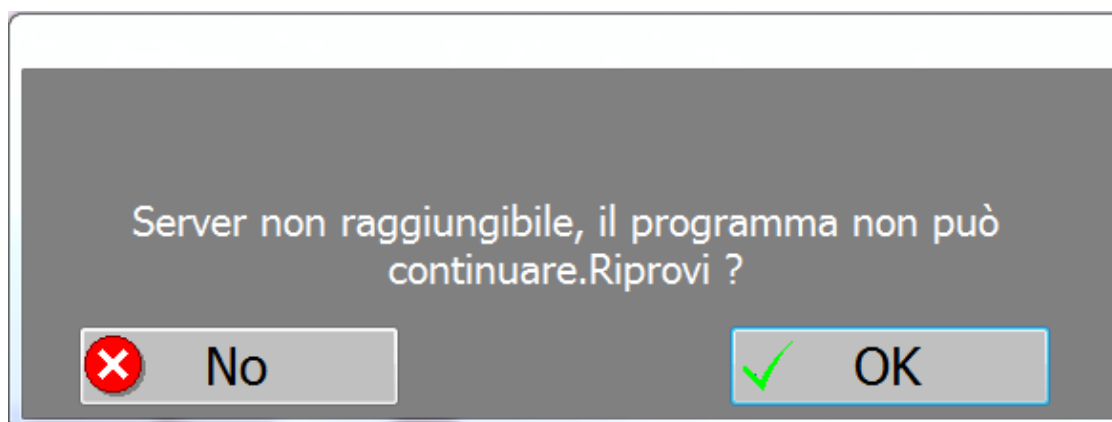
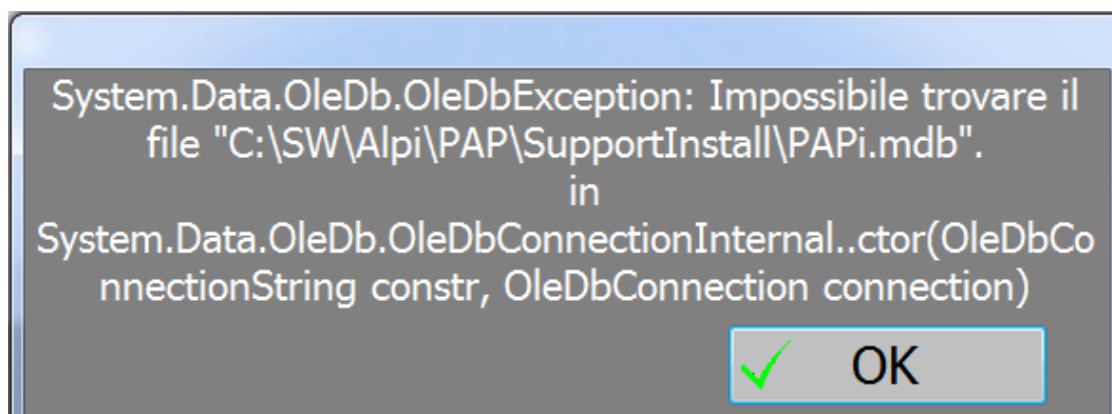
```
<!-- Stop Mask -->
<add key="StopRequest" value="1"/>

<!-- User and Password for the autologin-->
<add key="AutoLoginUser" value="Alpi"/>
<add key="AutoLoginPsw" value=""/>

<!-- info -->
<add key="VendorName" value="Alpi Sistemi s.r.l."/>
<add key="VendorDes" value="Automazione Logistica Pesatura Industriale"/>
<add key="VendorSite" value="http://www.alpisistemi.it"/>
<add key="VendorMail" value="info@alpisistemi.it"/>
</appSettings>
</configuration>
```

7 TROUBLESHOOTING AND LOG FILE

Any fatal errors of the program are shown as video popup into the program.
Example is a connection failure to the database at the start of the program.



All errors and all faults are recorded in a log text file named "PAP.log" in the same folder of the application.

The log records the error information, the date / time of the apparition and the mode and procedure that caused the error.

The log file has a maximum size of 10 MB, beyond which the oldest messages are rewritten. For this reason there may be a time lag with the sequential nature of the text file and you need to rely on the date and time of recording to do the research. It is important to not change it because in the first line of the file is written the mapping of the point of writing.

In the event of accidental changes the log file can be deleted without problem; at the first registration, the program recreates it.

8 CONTENTS OF THE FOLDER

All the files needed for the correct operation of the program must reside in the same folder of the software.

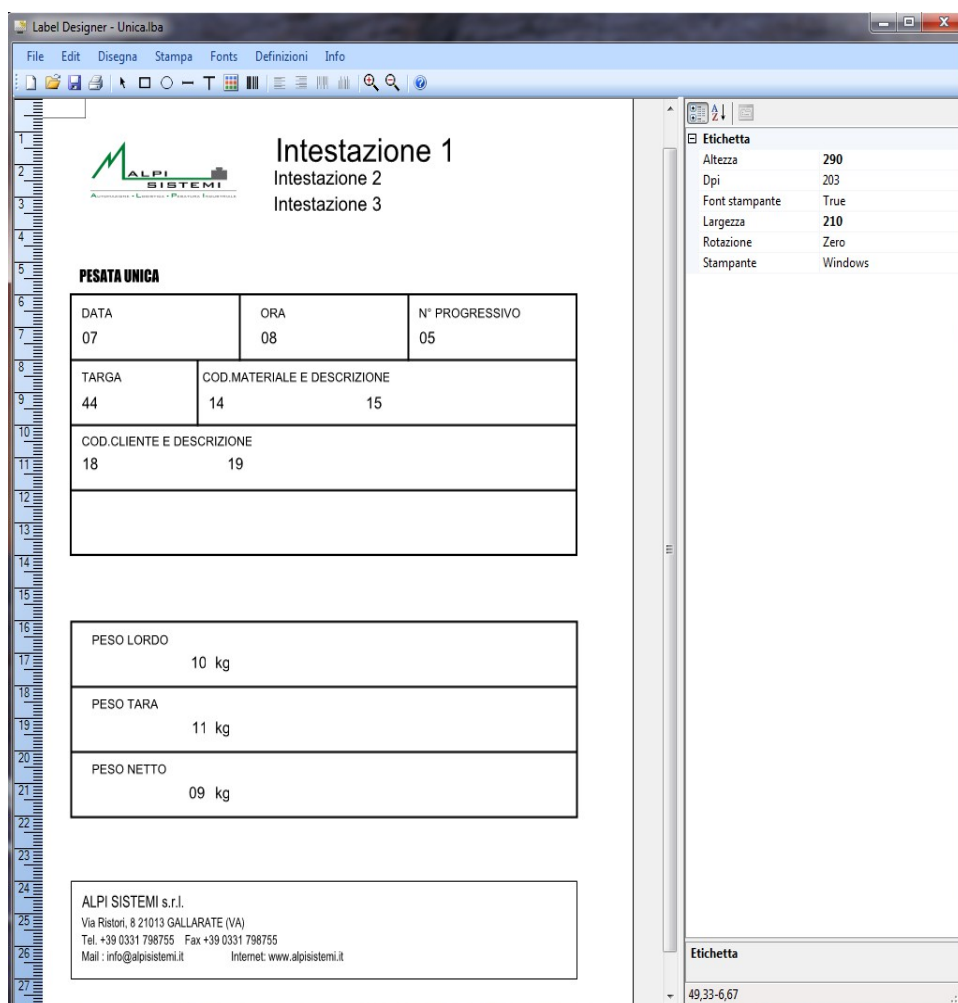
The deletion or an incorrect editing of any of these files may cause errors on startup or during the functioning of the program.

Files list

Name	Description
PAP.exe	Executable file of the software
PAP.exe.config	Basic configuration file
PAP.log	Log file
PAP.mdb	Access database
Logo.jpg	Company logo
Logoreport.jpg	Company logo for the reports
ExtDevice.xml	Devices configuration file
DeviceLibrary.dll	System library file property of Alpi Sistemi
LabelSdk.dll	System library file property of Alpi Sistemi
Licence.key	License file associated with the PC
Packing.rpt, Packart.rpt, PackAuto.rpt, PackCli.rpt, PackVet.rpt	Crystal Report files, used only when is enabled the "Advanced Report" function.
Entrata.lba, Uscita.lba, Unica.lba	Label layout file (Format owned by Alpi Sistemi)
EpsonPI.eti, EpsonPU.eti, EpsonU.eti	Label layout file in text format for the Epson printers.

9 LABEL LAYOUT

The label formats are stored on external files in the installation folder of the program.
Can be of different format depending on the type of printer used.
When using a printer managed by Windows (usually a laser printer) the format used is "lba" (Alpi Label), proprietary format of Alpi Systemi editable with the application AlpiLabel provided separately.



The screenshot shows the 'Label Designer - Unica.lba' application window. The main area displays a label layout for 'Intestazione 1'. The label includes the Alpi Sistemi logo, a header with 'Intestazione 1', 'Intestazione 2', and 'Intestazione 3'. Below this is a section titled 'PESATA UNICA' containing a table with fields for DATA, ORA, N° PROGRESSIVO, TARGA, COD. MATERIALE E DESCRIZIONE, and COD. CLIENTE E DESCRIZIONE. Further down are sections for 'PESO LORDO', 'PESO TARA', and 'PESO NETTO'. At the bottom is a contact information box for ALPI SISTEMI S.r.l. A vertical ruler is on the left side of the label area. On the right, a 'Proprietà Etichetta' (Label Properties) panel shows settings for Altezza (290), Dpi (203), Font stampante (True), Larghezza (210), Rotazione (Zero), and Stampante (Windows).

DATA	ORA	N° PROGRESSIVO
07	08	05

TARGA	COD. MATERIALE E DESCRIZIONE
44	14 15

COD. CLIENTE E DESCRIZIONE
18 19

PESO LORDO	10 kg
PESO TARA	11 kg
PESO NETTO	09 kg

ALPI SISTEMI S.r.l.
Via Ristori, 8 21013 GALLARATE (VA)
Tel. +39 0331 798755 Fax +39 0331 798755
Mail : info@alpisistemi.it Internet: www.alpisistemi.it

Etichetta
Altezza 290
Dpi 203
Font stampante True
Larghezza 210
Rotazione Zero
Stampante Windows

Etichetta
49,33-6,67

When using a custom printer like the Epson TMU for tags or a thermal transfer printer the files are simple text files renamed with the extension "eti".
These contain the commands to be sent to the printer and the references of the fields to report.

The kind of layout selected by the parameters must match the type of printer configured in the Devices section.

Regardless of the label format the variable fields of the label generated by the program have a unique code number.

Code table

Code	Description
01	First header line
02	Second header line
03	Third header line
04	Workstation ID
05	Weighing progressive
06	Date and Hour
07	Only date
08	Only hour in "HH.mm" format
09	Net weight
10	Gross weight
11	Tare weight
12	Weighing ID (year+progressive)
13	Memory number
14	Article code
15	First description of the article
16	Second description of the article
17	Customer reference article
18	Customer code
19	Corporate name
20	Customer address
21	Customer locality
22	Customer nation
23	Customer Fiscal code
24	Customer VAT
25	Causal code
26	Causal description
27	Entrance weight
28	Exit weight
29	Delivery note number
30	Delivery note date
31	Number of Parcels
32	Number of order
33	Lot code
34	Note
35	Operator
36	Unit of measure of the weight
37	Carrier code
38	Carrier corporate name

39	Carrier address
40	Carrier locality
41	Carrier nation
42	Item cost
43	Total amount
44	License plate
46	Vehicle description
47	Vehicle driver
49	Date and hour of exit weighing
50	Exit weighing date
51	Exit weighing hour in "HH.mm" format
52	Code of the scale used for the entrance weighing
53	Code of the scale used for the exit weighing
54	Internal factory code
55	Packing tare
56	Direction (Entrance/Exit)
57	Direction (Unique weighing Entrance/Exit)
60	Word:Item
61	Word:Customer
62	Word:Carrier
63	Word:Vehicle
64	Word:Packing tare(appears only if used)
65	Word:Reprint
70	Axle 1 Weight
71	Axle 2 Weight
72	Axle 3 Weight
73	Axle 4 Weight
74	Axle 5 Weight
75	Axle 6 Weight
76	Axle 7 Weight
77	Axle 8 Weight
78	Axle 9 Weight
79	Axle 10 Weight

This publication could contain typographical errors.
The related corrections will be included in the new editions of this publication.

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