98646-001-86

Sartorius
NICE Label Express
YAD02IS

Graphic Design Software for Customized Labels

Installation and Operating Instructions
User's Manual

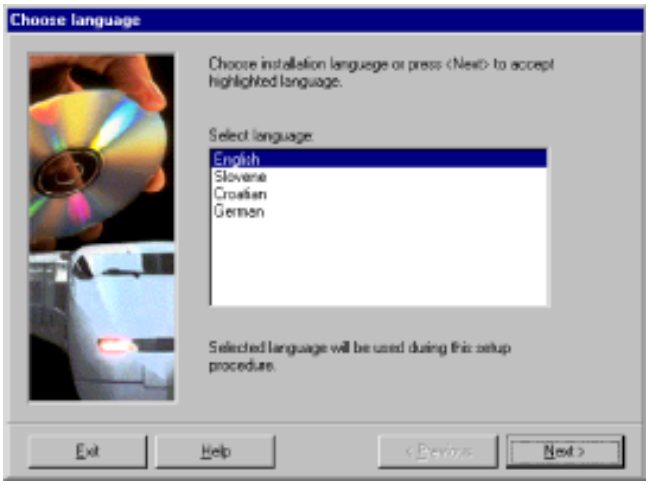
sartorius

Contents

Installation

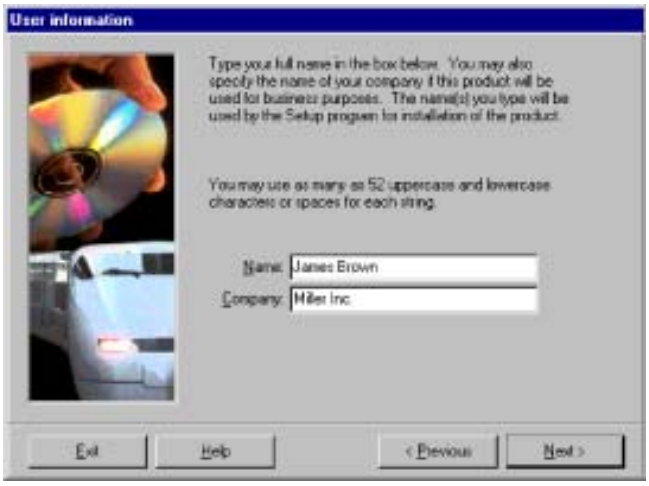
Sartorius NICE Label Express Setup

To install the Sartorius NICE Label Express program or to change setup configurations, run the "Setup" program from the CD. Make sure you close all other applications first.

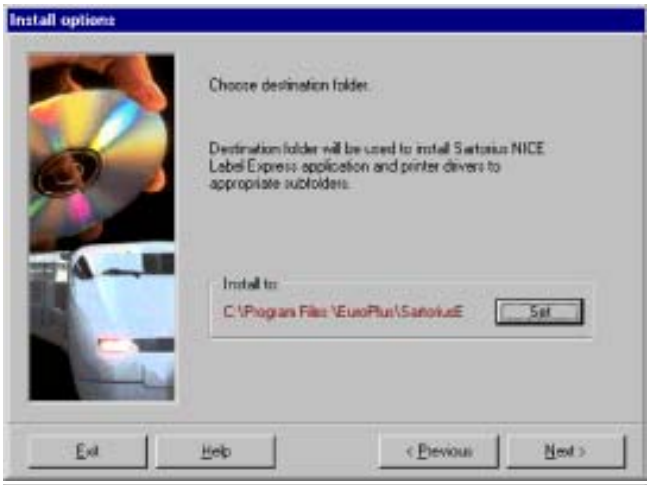


When the setup program starts, you are prompted to select the working language. Select the desired language by clicking on it in the "Choose language" dialog box. Then click on the "Next" button to proceed with the setup.

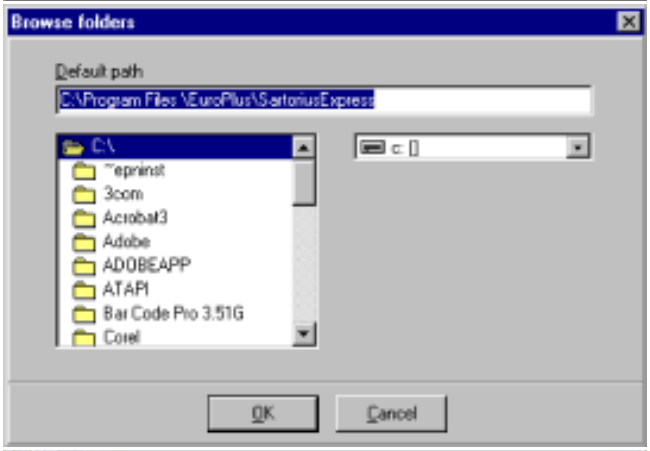
The "Welcome" window tells you how to start the installation. It also contains the copyright warning. Click on the "Next" button to proceed with the installation.



Enter the user name and, if desired, company name in the "User information" window. If this information already exists on your computer, the existing names are the default entries in this window.



In the "Install options" dialog box, choose the destination folder for installation of the Sartorius NICE Label Express program. The program will create the required subdirectories for the application, printer drivers and accompanying files. The default path for installation is "C:\ProgramFiles\EuroPlus\Express".



To select a different installation path, click on the "Set" button and browse for the desired folder.

When you have selected the destination folder, click on the "OK" button to return to the Install options dialog box. Then click on the "Next" button to proceed with the installation.

The program then displays the "Current Settings," including user name, system platform, defined path, available disk space and required disk space. The typical installation requires about 9 MB of hard disk memory.

If you want to make any changes at this point, click on the "Previous" button to return to the previous dialog box, or end the installation program. To continue, click on the "Next" button. The installation program copies all files to the selected folder and creates the "Sartorius NICE Label Express" group, which contains „Sartorius NICE Label Express" and Setup icons. If you have a thermal printer, you need to install the printer driver. The instructions for this are described in another section of this manual.

Reinstall

Run the "Reinstall" program if you need to re-install missing or faulty files or repair a damaged installation.

To do this, double click on the "Setup" icon in the "Sartorius NICE Label Express" group, or open the Control Panel from the "Settings" item in the Windows "Start" menu, select "Software," click on the "Install/ Deinstall" tab and then click on the "Add/Remove" button.

Select the desired language and click the "Next" button twice. Select the "Reinstall" option.

The program then displays the "Current Settings," including user name, system platform, defined path, available disk space and required disk space.

To continue, click on the "Next" button. The installation program copies all files to the selected folder and creates the "Sartorius NICE Label Express" group with "Sartorius NICE Label Express" and Setup icons.

Remove All

Use this option only if you are sure you want to remove all Sartorius NICE Label Express files from your computer.

To start the de-installation procedure, double-click on the "Setup" icon in the "Sartorius NICE Label Express" group, or open the Control Panel from the "Settings" item in the start menu, select "Software," click on the "Install/ Deinstall" tab and then click on the "Add/Remove" button.

The program then displays the "Current Settings," including user name, system platform, defined path, and available disk space.

During the de-installation procedure, the program asks whether shared files should be deleted or not, as these might be used by other programs on your computer.

To delete shared files, click on the "Yes" button.

If you do not want to delete shared files, click on the "No" button.

The de-installation procedure removes the program and the icons from your computer. Afterwards, it asks whether you wish to restart the computer right away.

Quick Start in Sartorius NICE Label Express

General Description of Label Design

If you have never worked with Windows before, or if you are not familiar with the terms used in Windows and in Windows applications, please read the following sections. They provide brief descriptions of some of the standard Windows features and explain the terms that are used in Sartorius NICE Label Express.

If you are familiar with Windows, please proceed directly to the chapter entitled "Starting Sartorius NICE Label Express".

Windows and documents

"Windows" is an operating system for personal computers. It is named for its concept of windows; everything that goes on in the computer can be viewed in one or more windows.

Your applications (or programs) must be able to open and close various windows and must contain enough programming logic to recognize what operations can be performed when working with the contents of the various windows. Applications usually open one or more documents (generic term for files, which may contain text, numerical data or graphics) for processing. Generally, one document is opened in one window.

SDI and MDI applications must be mentioned briefly here. SDI stands for "Single Document Interface" and MDI for "Multiple Document Interface." SDI applications open only one document per window; in other words, you cannot have more than document opened at a time in a given window. MDI applications can work with several documents at the same time. Sartorius NICE Label Express is an MDI application.

If you need more information about working with Windows, please read the Windows Help. If you do not need additional information, proceed to "Editing".

Editing

Any time you change something in a document, you are "editing" the document. There are a few common operations which are available in most Windows applications.

One commonly used operation is to copy information from one part of a document to another. To do this, mark the object you wish to copy (this may be text, an image, etc.) and then use the "Copy" command (for more information, see "Copy" on page 28). Then position the

cursor where you wish to add the copied element and use the "Paste" command (for more information, see "Paste" on page 29) to insert the copied element at the cursor position.

To move information from one part of the document to the other, use the "Cut" command (for more information, see "Cut" on page 28) followed by "Paste". You can also delete information (for more information, see "Delete" on page 29) if you do not need it anymore.

Now that you are familiar with the basic editing functions, proceed to "Creating and editing documents/ objects".

Creating and editing documents/objects

In addition to changing and saving existing documents, you will also need to create and edit new ones. To do this, select the "New" command.

Today's software applications offer additional help when creating and editing objects. One of the most useful forms of assistance is offered by subprograms known as "Wizards." These are usually series of dialog boxes that guide you through several steps to create new objects or edit existing objects in your document. One especially helpful and easy-to-use Wizard in the "Sartorius NICE Label Express" application is the "Label Setup Wizard" (for more information, see "Label Setup Wizard" on page 23).

Graphic applications like "Sartorius NICE Label Express" also offer functions (known as "Tools") for editing existing objects in the document. Changes you can make include aligning, resizing, changing font and color and, in the case of "Sartorius NICE Label Express," changing barcode type, etc. Objects have different properties depending on their type (for example, text objects have font, size, style and other properties) and there are various ways to change them. These functions are described in "Useful tricks and shortcuts".

Useful tricks and shortcuts

Changing object properties

You can use your mouse to change object properties. Select an object by clicking on it. Then click the right mouse button (or if you are left-handed, the left button) to open a handy pop-up menu. This menu contains various functions, depending on type of object selected.

Moving an object to a new position

To move an object to a new position, first click on it, then click on it again and hold down the mouse button; when you move the mouse, the object moves (this is called "dragging"). When you are satisfied with new object

position, release the mouse button (this is called "dropping;" the whole operation is known as "drag and drop").

Getting more information

If you do not understand an option (especially in dialog boxes), click on the Help button or select the "What's this?" option from the pop-up menu. To activate this pop-up menu, click first on the question-mark icon in the upper right-hand corner of the dialog box, move the mouse to the desired object and click on the object (for example, the text field for creating an operator prompt) that you want to know more about.

Useful Windows shortcuts

Shortcuts are usually combinations of keys you can press to activate functions without having to use your mouse. Sartorius NICE Label Express has several special menu shortcuts (for more information, see "Menu Shortcuts" on page 20) for users who prefer working with keyboard; other shortcuts are available at all times (for more information, see "General Shortcuts" on page 20).

There are also mouse shortcuts, usually available by right-clicking (or left-clicking, if you are left-handed) your mouse on a selected object. This activates a handy pop-up menu from which you can select shortcuts for various tasks. You will probably use this shortcut in "Sartorius NICE Label Express" quite often.

Now that you have learned about Windows or refreshed your memory, you are ready to begin designing labels. Begin with "Starting Sartorius NICE Label Express" or go directly to the chapter entitled "Designing your first label".

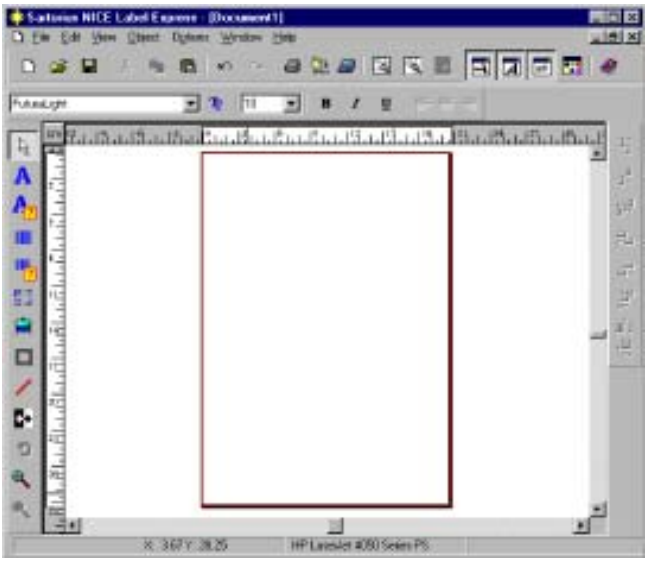
Starting Sartorius NICE Label Express

When you start Sartorius NICE Label Express, the Wizard "Welcome" dialog box helps you to open a label in one of three different ways:

- Create a new label: Select this option to create a new label.
- Open recently used label: Select this option to open one of the 4 most recently opened labels.
- Open another existing label: Select this option to execute the "Open" command and browse the label files.

Once you select the desired option and click on the "Finish" button, the main program window is opened.

If you selected "Create a new label," the „Label Setup Wizard" starts, allowing you to specify the label and printer you want to use.



Description of the Main Window

To view a brief description of an icon, position the mouse cursor over the icon and wait for a couple of seconds. A "Tool tip" tells you what the icon is for.

Because "Sartorius NICE Label Express" is an MDI (multi-document interface) application, you can work with more than one label at a time. When only one label (document) is opened, it can be maximized and the name of this label appears on the "Title bar."

Title bar

This is the horizontal bar at the top of "Sartorius NICE Label Express" main window that shows the name of the application and the name of the opened document/ label.

Menu bar

The menu bar shows the names of the seven main menus: "File", "Edit", "View", "Object", "Options", "Window" and "Help". Each menu contains sets of commands for designing and printing labels.

Main toolbar

Under the menu bar, there is a row of icons which represent shortcuts to the following commands: "New label", "Open", "Save", "Cut", "Copy", "Paste", "Undo", "Redo", "Print", "Translate", "Load", "View page", "View label", "View element", "Toolbox", "Text tool", "Align tool", "Color palette" and "Contents".

Text toolbar

Below the main toolbar, there is a text toolbar for selecting font type and font attributes.

Toolbox

On the left-hand side of the window is a vertical toolbar known as a toolbox. By clicking on the icons here you can insert text, barcode or line objects on the label.

Align Tools

On the right-hand side of the window there are icons for aligning objects. You can use these tools to align (justify) the selected objects on the label to the left, right, or in the center.

Information bar

The information bar at the bottom of the window shows the co-ordinates of the current mouse cursor position, as well as the selected printer. By double-clicking on the printer name, you can quickly access the Printer setup dialog box; for instance, if you wish to change printers.

Ruler bars

When the label file is opened, ruler bars are shown along the upper and left-hand screen border, giving the horizontal and vertical co-ordinates in the selected units (cm, mm or inches). The position (x and y co-ordinates) of the mouse cursor on the screen can be traced on the ruler bars. The size and position of each selected object on the label is also shown as a shadow on the ruler bars when you move the object, to help you position the object.

The unit of measurement on the rulers is cm, mm or inches. You can change the unit by clicking on the unit button (in the upper left-hand corner of the label area).

Horizontal scroll bar

This scroll bar allows you to move the contents of the active window to the left or right to view the objects that do not fit into the label viewing area.

Vertical scroll bar

This scroll bar allows you to move the contents of the active window up and down to view the objects that do not fit into the label viewing area.

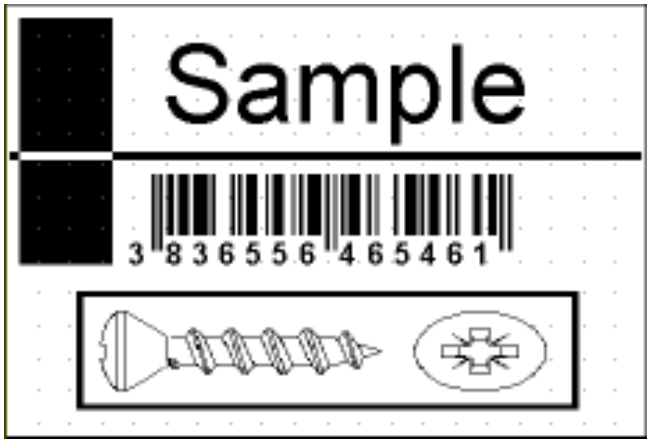
Document window

This is where documents (labels) are opened and where you create your labels.

Designing Your First Label

You will now create your first label, containing five text objects and two graphics, as well as line, box and inverse objects.

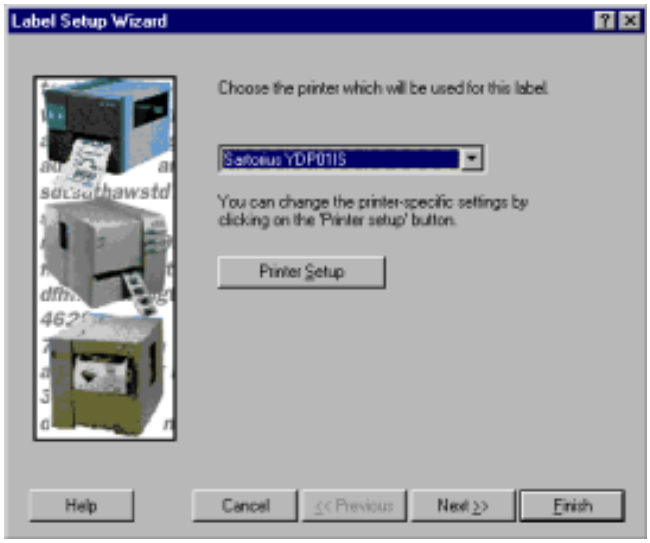
This label is saved on your computer under the name SAMPLE.LBL; the picture is in the SAMPLE.PCX file.



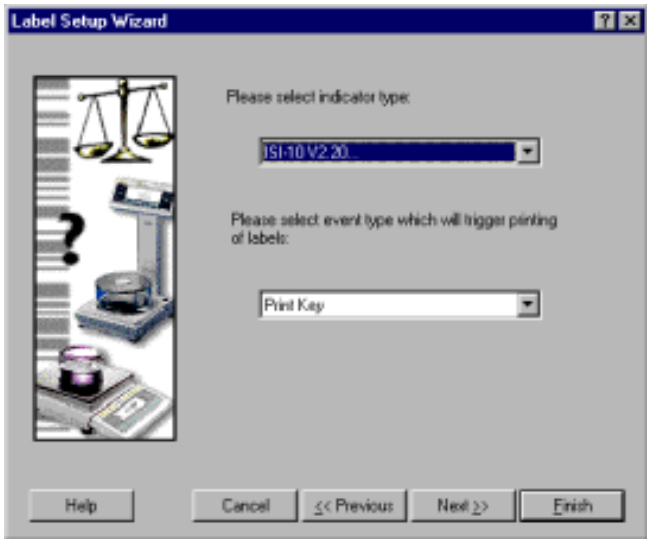
Start "Sartorius NICE Label Express" and select the "Create new label" option from the Wizard dialog box. Click on the "Finish" button to confirm your selection.

The "Label Setup Wizard" dialog box is opened.

Select the desired printer from the drop-down list and click on the "Next" button to continue.



Then select the type of weighing display and control unit (for example, "isi-10" or "isi-20") that you are using and the event that triggers the print function. Click on the "Next" button to continue.



Click on the "Next" button again to skip automatic definition of the label from predefined stocks and advance to the paper selection step. Note that this step is only available if you selected a non-thermal printer, such as a laser or ink-jet printer.

Select the desired paper size (in this example, A4).

Click the "Next" button and enter the label dimensions; for this example, enter 10 cm for the width and 7 cm for the height. Click on the "Finish" button to confirm the definition.

Adding the first text field to the label

1. Select the font, style and size for the text from the text tool. For this example, use "Arial, bold, 20 pt."
2. Click on the A icon. Move the mouse to the position where you want to insert the text and click.
3. Enter the text you want to print; in this example, "Sample1".
4. Press <Ctrl> + <Enter> to finish entering the text and create the text object. If you just press <Enter>, this creates a new line within the active text object.
5. You can change the position of the text object later using the "drag-and-drop" procedure explained above. Double-click on the object to continue processing.

Adding text fields to the label

Repeat the steps given above to add other text objects to the label. If you want to write the text in two lines, press the <Enter> key at the end of the first line.

Adding a picture to the label

For this example, use the pictures in the SAMPLE.PCX file, included with the program.

1. Click on the icon in the toolbox and move the cursor to the position of the label where you want the picture. Click on the left mouse button; the "Open" dialog box is displayed. Select the SAMPLE.PCX file by double-clicking on its name. The picture is shown on your label.
2. Now re-size the picture to make it smaller. First, select the picture by clicking on it. Then position the mouse cursor on one corner of the picture until the cursor changes from a pointer to a bi-directional

arrow. Now press and hold down the left mouse button while moving the cursor towards the center of the picture. When you are satisfied with the size, release the mouse button and the picture size changes.

Adding a line

1. Select the  icon from the toolbox and move the mouse below the text object "Sample1."
2. Press the mouse button and move the mouse to the right, while holding down the button. When the mouse has reached the end of the text object, release the mouse button and the line is drawn.
3. You can change the position of the line and its thickness by selecting the line and using "drag-and-drop" to move the "handles" that appear.

Inverting black and white on a part of the label

1. Select the  icon from the toolbox.
2. Move the mouse to the upper left-hand corner of the label.
3. Click and hold the mouse button and move the mouse until you reach the lower right-hand corner of the part you want inverted, so that the portion of the object you wish to invert is enclosed (see the example shown above).

Adding a box

1. Select the  icon and move the mouse to the upper left-hand corner of the graphic. Press the mouse button and move the mouse to the right while holding down the button. When the graphic object is completely enclosed, release the mouse button and the box around the graphic is drawn.
2. You can change the position of the box by selecting the box and using "drag-and-drop" to move the handles.

Saving the label

Save your design by clicking on the  icon in the toolbar. Enter the name, for instance TEST, in the "File name" field.

Printing the label

You can print the label by clicking on the  icon in the toolbar or by selecting the "Print" command from the "File" menu.

Note that the printer must be connected to the computer, not to the display and control unit of the weighing instrument. Only one label is printed.

If you have any printing problems, see the section entitled "Printer does not print" on page 52.

Designing a Label with Variable Objects

You will now design a label containing variable (non-static) data. The label will contain, among other objects, the article number and barcode.

The article number and barcode content will vary from label to label. The weighing display and control unit provides the contents of the variable field at the time of printing. You can include various data, such as net weight, gross weight, current date and time, IDs, etc.

Note: When you use variable fields to print data from the weighing display and control unit, only the printer's internal fonts and barcodes can be used.

Adding a variable text object

You already know how to design text objects. Now you will define a variable text object.

1. Click on the text icon with the question mark  . This question mark means that the new text object will have variable contents. Click on the label in the position where you want the text object inserted. The Text Wizard dialog box is shown.
2. Select the "Print Date" option and click on the "Next" button.
3. The object will show the current date at the time of printing. On screen, only the predefined date is shown.

Adding a variable barcode object

Now add the Interleaved 2of5 barcode to the label, with variable barcode data. The numbers represented in the barcode are written below the barcode.

1. Click on the  icon and move the mouse cursor to the desired position on the label. If you click the left mouse button, the "Barcode Wizard" will help you to define the barcode parameters.
2. Click on the "Define" button and then on the "General" tab. Select "Interleaved 2of5" from the list.
3. Click on the "Auto translation" tab and choose "Below the barcode."
4. Click on "OK" to return to the "Barcode Wizard" dialog.
5. Check the Variable contents and click the "Next" button.
6. Select the option you want to have represented by barcode and click on the "Next" button. Note that the variable field length must match the number of characters in the barcode, unless the barcode type supports a variable number of characters (as "Interleaved 2of5" does).
7. Click on "Finish" to insert the barcode on the label.
8. The barcode object is still selected; click on the  icon to rotate it 90° counter clockwise.
9. If you are not satisfied with the position of the barcode, select the object by clicking on it and move it while holding down the mouse button.

If you need to change anything on the barcode object, double-click on it and the "Barcode Wizard" dialog box will be displayed, allowing you to change barcode properties.

Printing the label

The label is now finished. You can print the label

by clicking on the  icon in the toolbar, or by selecting the "Print" command from the "File" menu.

If you have any printing problems, see the section entitled "Printer does not print" on page 52.

Working with Sartorius NICE Label Express

How to...

Optimize printer speed

There are many factors that affect the printing speed. By following the guidelines below you can significantly increase printing speed.

- If your printer supports both parallel and serial ports, use the parallel port. A computer can transmit data to a printer over a parallel port much faster than over a serial port.
- Use the printer's internal fonts instead of Windows' TrueType fonts. TrueType fonts are transmitted to the printer as graphics rather than as text characters, which means several kilobytes are transmitted rather than just a few hundred bytes.
- Avoid using graphics on labels.
- When working with barcodes, make sure that they are not printed as graphics (assuming your printer supports barcode printing).
- Set the printer to a faster speed (if it supports such an option). Note that setting the printing speed usually affects the quality of printing. The higher the speed, the lighter the printout. You need to find an acceptable compromise between speed and quality.
- Do not print too much data on labels. If the speed of printing is an important factor, you should consider using preprinted labels, and print only the data that changes for each label.

Centering an object on a label

Select the object and the click on the  (vertical center) or  (horizontal center) icon in the "Align" toolbar.

Hold down the <Ctrl> key when you click on an "Align" button. This will force alignment of the object to the label. If you do not hold down the <Ctrl> key, and more than one element is selected, they are aligned relative to each other.

Changing label dimensions

Double-click on the label or use the "Label Setup" command from the "File" menu.

Changing printer setup (format, speed)

Double-click on the label or use the Label Setup command from the "File" menu. Then click on the "Previous" button to move to the first page of Wizard, where you can change the printer and its properties ("Print Setup" button).

Restoring deleted objects

Use the "Undo" command from the "Edit" menu or click on the  icon.

Designing a UCC/EAN 128 barcode

In the next example, you will design a pallet label with text, logo, lines and a UCC/EAN barcode. The UCC/EAN 128 barcode must include both the serial shipping container code (SSCC) and a variable batch number. With "Sartorius NICE Label Express", the UCC/EAN 128 barcode can contain only fixed (not variable) data.

If you have any problems designing the text, line or graphic objects, see "Quick Start in Sartorius NICE Label Express" on page 7.

UCC/EAN 128 barcode

1. Select the  icon and click on the label where you want to insert the barcode.
2. Click on the "Define" button to define the barcode and select UCC/EAN128. Click "OK" to return to the "Barcode Wizard" dialog box and then "Next" to advance to next page.
3. Define the first part of the barcode – the batch number. Select "10 Batch or Lot number" from the list of application identifiers.
4. Enter the application identifier and click on the "Next" button.
5. Click on the "Add" button to define the second part of the barcode – the serial shipping container code. Select "00 Serial Shipping Container Code" from the list of application identifiers, click on "Edit" and then select "Fixed" and enter the value – e.g. 354123451234567892.

6. Click on the "Finish" button; the UCC/EAN 128 barcode is created.

Print the label

Select the "Print" command from the "File" menu.

Variable Fields

You may want to print labels on which the data is different for each label; for example, to utilize a counting function, for serial numbers, or to include the date and time. To accommodate changing data, "Sartorius NICE Label Express" can easily be used to format labels with variable fields. Variable fields can be used with both text and barcode objects.

There are several types of variables you can choose from. Variable data is retrieved from the weighing display and control unit at the time of printing.

Variable data

If you want to use variable data on your labels, select the "Variable text/Variable barcode data" option in the Text or Barcode Wizard, and click on the "Next" button to define the variable field.

You can select the type of data in the dialog box shown above. The list box contains a choice of field names for data retrieved from the weighing display and control unit at the time of printing. Which fields are offered here depends on the event selected in the Label Setup Wizard to trigger printing.

You can also click on the "Advanced" button to change the format of the data fields; however, you should only use this function if you are familiar with the program and the weighing equipment. Data entered in an invalid format will not be recognized by the weighing display and control unit.

You can only work with variable data if a printer is connected to the weighing display and control unit.

Reference

Shortcuts

General Shortcuts

<Delete>: deletes selected object
<Shift> + <Delete>: Cut
<Ctrl> + <Insert>: Copy
<Shift> + <Insert>: Paste
<Alt> + <Backspace>: Undo
+ (on numeric pad): Zoom In
- (on numeric pad): Zoom Out
<Alt> + <Shift> + <Backspace>: Redo
<Ctrl> + T: Rotate 90°
<Ctrl> + A: Align
<Ctrl> + X: Cut
<Ctrl> + C: Copy
<Ctrl> + V: Paste
<Ctrl> + Z: Undo
<Ctrl> + Y: Redo
<Ctrl> + N: New
<Ctrl> + O: Open
<Ctrl> + S: Save
<Ctrl> + P: Print

Menu Shortcuts

<Alt> + F: File Menu
+ N: New label
+ O: Open…
+ C: Close
+ S: Save
+ A: Save As…
+ L: Label Setup
+ P: Print…
+ M: Compile
+ D: Download
+ X: Exit (or <Alt> + <F4>)

<Alt> + E: Edit Menu
+ U: Undo (or <Ctrl> + Z)
+ R: Redo (undo the Undo command) (or <Ctrl> + Y)
+ T: Cut (or <Ctrl> + X)
+ C: Copy (or <Ctrl> + C)
+ P: Paste (or <Ctrl> + V)
+ D - Delete (or <Delete>)
+ E - Select All

<Alt> + V: View Menu
+ I: Zoom in (or +)
+ O: Zoom out (or -)
+ Z: Zoom Dialogue
+ T: toggle display of Toolbox
+ C: toggle display of Color palette
+ E: toggle display of Text toolbar
+ A: toggle display of Align toolbar

<Alt> + O: Object Menu
+ T: select Text tool
+ W: Weight block tool
+ B: select Box tool
+ L: select Line tool
+ I: select Inverse tool
+ G: select Graphics tool
+ R: select Barcode tool
+ S: select Select tool

<Alt> + P: Options Menu
+ L: display Language dialogue

<Alt> + W: Window Menu
+ C: Cascade
+ T: Tile
+ I: Arrange Icons
+ L: Close All

<Alt> + H: Help Menu
+ C: Contents
+ U: Using Help
+ A: About (program information) window

File Menu

When you select the "File" menu in the menu bar, a list of commands appears. These are for opening, saving and closing label files, activating printer functions and exiting the program.

New label

To start designing a new label, select the "New label" command from the File menu or click on the  icon.

This opens the "Label Setup Wizard" dialog box, where you can define label dimensions and change the printer setup.

Open

This command opens an existing label file. The default label folder is "C:\ProgramFiles\Europlus\SartoriusExpexpress\Labels." To open a label file which has been saved in a different folder or on a different drive, use the Windows browse function.

The "Preview" function can help you find the desired label. This function displays the selected label in the lower left-hand corner of the "Open" dialog box, along with the label title and description.

Once you have found the desired label, open it by double-clicking on its name or by clicking on the "Open" button.

Close

Select this item to close the active label file.

If the label has been edited but has not been saved since the last change was made, the program asks whether you want to save the changes.

If the label file has no name and you want to save the changes and close it, the "Save As" dialog box is opened.

Save

This command saves the active label in the current file. If no filename has been defined, the "Save As" dialog box is opened.

The "Save" command can be also accessed directly through the  icon.

Save as

Select this command if you want to name a new label or if you want to save an existing label under a new name, in another folder, or on another drive.

The default folder for saving labels is "C:\ProgramFiles\Europlus\SartoriusExpress\Labels." If you want to save the label to a different folder or drive, use the Windows browse function to define the target folder.

Enter the name of the label in the "File name" text field.

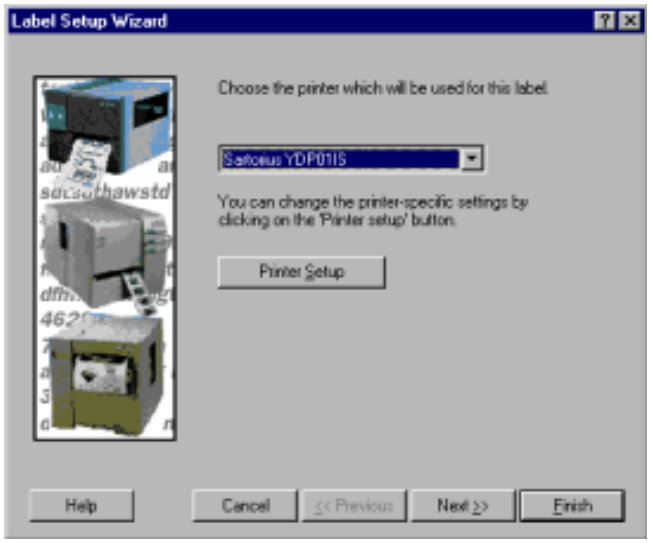
Labels are normally saved in NICE Label format with the extension ".lbl". You can define a different extension, but you must also specify this extension to open the label file again.

Label Setup

If you want to change label parameters, such as the dimensions or format, select the "Label Setup" command from the File menu or double click on the label. The "Label Setup Wizard" dialog is started.

Label Setup Wizard

With the Label Setup Wizard you can define the dimensions of the label, change printer settings, and define the event that triggers printing. These changes can be made in a few simple steps.



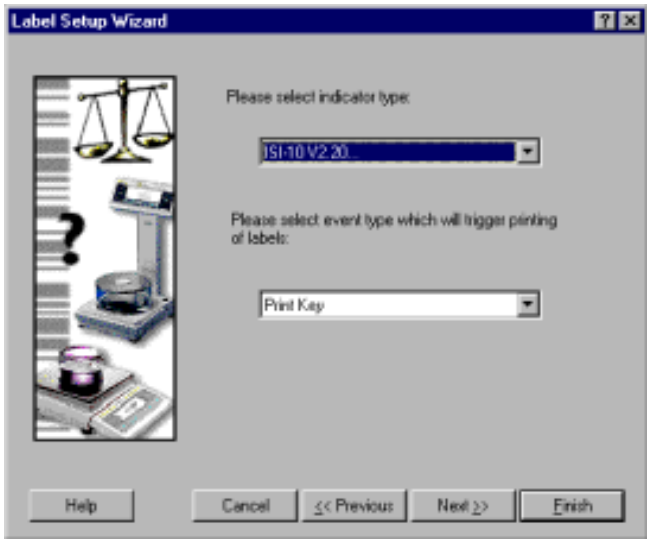
Changing Printer Setup

Select the desired printer and, if you want to set the printer parameters, click on the "Printer Setup" button. The "Printer Setup" dialog box is opened, allowing you to set printer parameters such as speed, quality and direction. Note that this is the standard Windows printer setup dialog box and the options available may differ depending on the printer installed.

When you are satisfied with the settings, click on the "OK" button to return to the "Label Setup Wizard" dialog box.

Click on the "Next" button to continue with the Wizard.

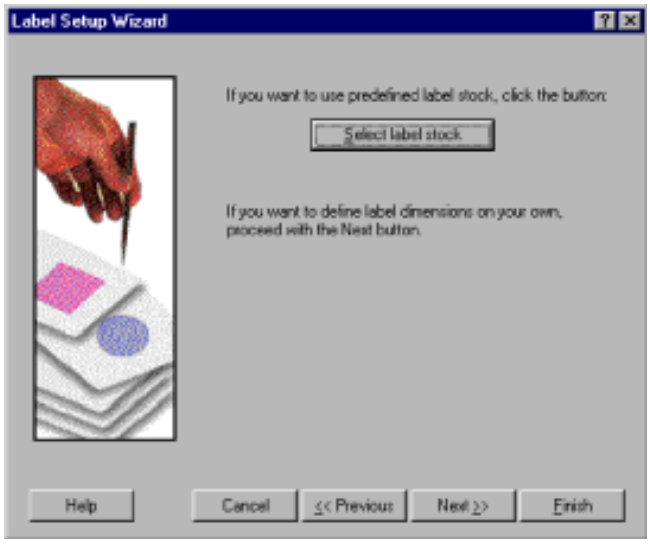
If you selected a printer that can print on both sheets and rolls of labels, Sartorius NICE Label Express will ask you to select the desired option on the next Wizard page.



Select the print trigger

On this page you can select the event that triggers the printing (for example, pressing the print key), as well as the type of weighing display and control unit connected (for example, isi20).

Note that the print trigger shown here ("Print" Key) is the default value. You can change it at any time by entering a different name for the script that is stored on the weighing display and control unit.



Selecting label stock

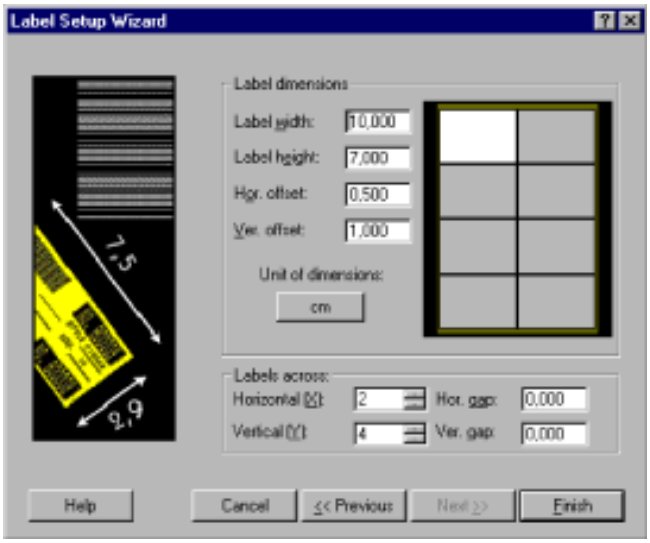
If you use one of the standard predefined label formats, you can specify this format here. Click on the "Select label stock" button and select the desired label format (stock). This has the same effect as filling in the values for the page size and label format on the last page of the Label Setup Wizard.

A number of label stocks are saved in the "C:\ProgramFiles\Europlus\SartoriusExpress\Stocks" folder. If the "Preview" option is checked, the selected stock is displayed in the preview box.

Click "Next" to advance to next page.

Choosing the page size

If you selected a printer other than a thermal-transfer printer, you must enter the paper size. Note that there can be several labels on one sheet of paper.



Defining dimensions

Here you can enter the width and height of the label. To accommodate the dimensions of your definition, you can select the unit of measurement (mm, cm or inches) by clicking on the "Unit" button.

Note that these values are entered automatically if you selected "Label stock" before.

If you have several labels on one page, you must also specify the number of labels per page as well as the positions of the labels and of the gaps between labels on a sheet.

The preview of the page is shown on the right-hand side of the dialog box.

When you are satisfied with the label dimensions, click on the "Finish" button to exit the Label Setup Wizard.

Print

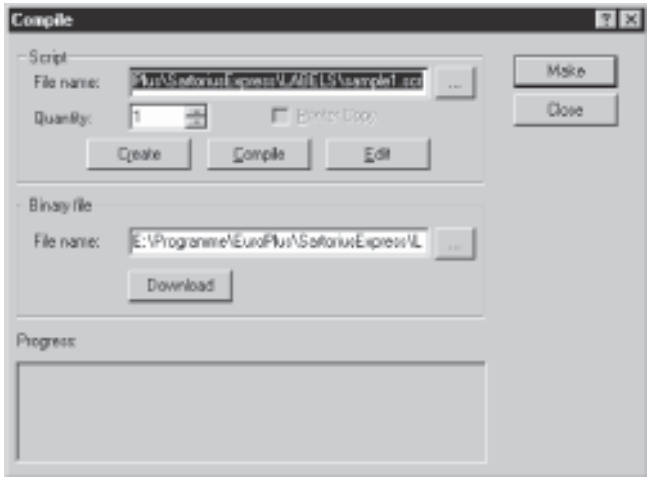
Select the "Print" command from the File menu to print the active label.

Note that only one label is printed, and any variable data fields will contain the default values.

Compile

This command compiles the label file so that the weighing display and control unit can interpret it and send the correct data to the printer without being connected to computer. You can also activate this command by clicking on the  icon.

Before the label data can be compiled, it has to be saved in an auxiliary file (called a script file); otherwise changes in the label will not be stored in the weighing display and control unit.



The compiling process consists of several steps:

1. Creating the script file:

Click on the "Create" button to create the script file. This is the source file containing the data necessary for retrieving the variable data from the weighing display and control unit. This file is created automatically based on the elements in the label. You can also edit this file by clicking on the "Edit" button; however, you should only use this function if you are familiar with the program used in the weighing display and control unit.

If you enter a number greater than 1in "Quantity" field, the script will be created and compiled in such way that multiple labels are printed when printing is triggered. If the printer used supports this option, you may select ***Printer Copy*** to use the multiple label feature of the printer. Otherwise the scale/indicator will send the label to the printer multiple times. As this takes more time, you should select the option ***Printer Copy*** whenever possible.

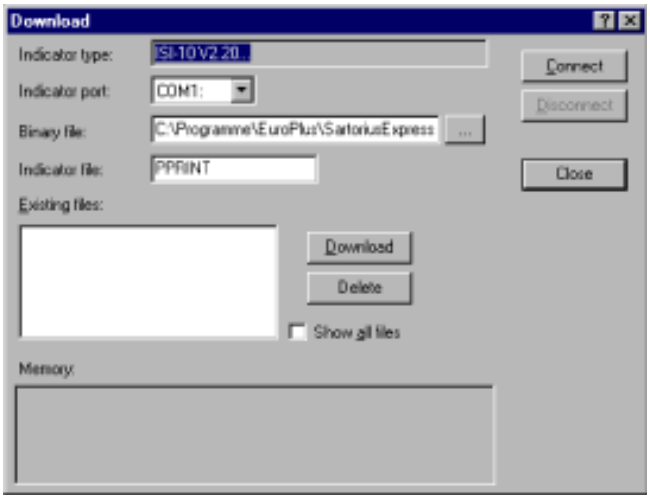
2. Compiling the script file:

The script file must be compiled into a form that can be saved on the weighing display and control unit. To do this, click on the "Compile" button.

3. Downloading the compiled file:

In order for the weighing display and control unit to use this file (and print labels) the file must be downloaded to the weighing display and control unit. Click on the "Download" button to open the "Download" dialog box.

Alternatively, you can click on the "Make" button to have all three commands automatically processed in series automatically.



Download

You can use this command to download compiled binary label files to the weighing display and control unit. You can also activate command by clicking on the icon. Remember that the binary label file must first be created with the "Compile" command.

Indicator type: This field shows the weighing display and control unit type selected in Label Setup.

Indicator port: Select the serial interface port that the indicator is connected to. If the wrong port is selected when you try to download a file to the weighing display and control unit, an error message is displayed and this dialog box is opened again.

Binary file: Select the binary label file that is to be downloaded to the weighing display and control unit. This option is usually already set correctly; you normally do not need to change it.

Indicator file: Enter the name under which the binary file will be saved in the weighing display and control unit. This name is based on the event that activates printing – every event has its own indicator file name.

In order to be able to download files, you must first connect the computer to the weighing display and control unit. To do this, click on the "Connect" button. You can disconnect from the weighing display and control unit by clicking on the "Disconnect" button.

If connected, the downloaded files are shown in the "Existing files" list box. Normally only the user-downloaded files are shown. If you want to view all files (including system files), select the "Show all files" option.

Download button: Click on this button to download the selected binary file to the weighing display and control unit under the name that is entered in the Indicator file field. If a file with that name already exists, a message is shown asking if you want to overwrite the existing file.

Delete button: This button deletes the currently selected indicator file from the weighing display and control unit memory.

Click on the "Close" button to close this dialog box.

Recently used files

At the bottom of the pull-down menu, the filenames of the four most recently edited labels are shown for quick selection. Selecting the file here has the same effect as choosing the "Open" command from the File menu and selecting the file there.

Exit

Use this command to end the "Sartorius NICE Label Express" program.

Alternatively, you can activate this command from the computer keyboard by holding down the <ALT> key and pressing <F4>.

Edit Menu

When you select the "Edit" menu in the menu bar, a list of commands appears. These commands are for designing the label.

Undo

The "Undo" commands cancels up to 10 of the most recently processed commands or actions. If you do not like the results of a command, or have accidentally deleted some elements, choose the "Undo" command as the next action to restore the previous design.

You can also activate the "Undo" command by clicking on the  icon on the toolbar.

Redo

Use the "Redo" command to undo up to 10 of the most recent "Undo" commands.

You can also activate the "Redo" command by clicking on the  icon on the toolbar.

Cut

Use the "Cut" command to remove selected object(s) from the active label.

Select an object by clicking on it. To select additional objects, press and hold the <Shift> key while clicking on each additional object.

The cut objects are stored in the clipboard and can be re-inserted on the label with the "Paste" command. The combination of "Cut" and "Paste" commands can be used to speed-up label editing and designing.

Alternatively, you can activate the "Cut" command by holding down <Ctrl> and pressing <X> or by clicking on the  icon on the toolbar.

Copy

Use the Copy command to copy selected objects to the clipboard.

Alternatively, you can activate the Copy command by holding down <Ctrl> and pressing <C> or by clicking on the  icon.

Paste

Use the "Paste" command to copy the contents of the clipboard to a label. This command can be used to paste the same information more than once.

This function is very useful if you want multiple copies of the same object on a label. Once an object has been designed, it can be copied to the clipboard and pasted on to the label several times, if desired; each copy of the object can then be moved to different locations.

You can also activate the "Paste" command by holding down <Ctrl> and pressing <V> or by clicking on the  icon.

Delete

Use the "Delete" command to delete selected objects on the active label.

Deleted objects are not stored in the clipboard. To re-store deleted objects, the "Undo" command must be used before taking any further action.

You can also activate the "Delete" command by pressing the <Del> key after selecting the object(s) to be deleted.

Select All

Use the "Select All" command to select all objects on the active label.

View Menu

The commands in the "View" menu affect the display of the label or objects on the screen.

Zoom in

Use the "Zoom in" command for a detailed view of a part of an element.

Each time you select "Zoom in," the displayed picture is enlarged by 25%. The rulers are also zoomed.

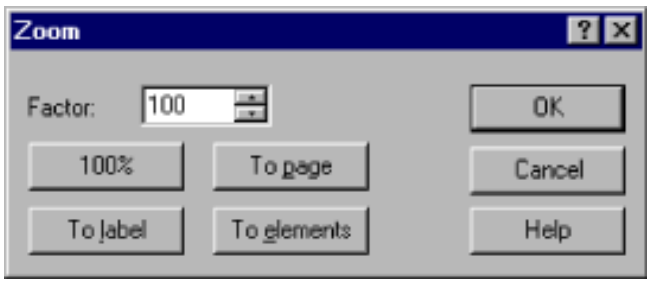
While the zoomed view is active, all other commands are executed in the normal way.

Zoom out

The "Zoom out" command shows a smaller picture of the label or part of the label.

Each time you select "Zoom out," the displayed picture is reduced by 25%. Ruler bars are also zoomed.

While the zoomed view is active, all other commands are executed in the normal way.



Zoom

When you select the "Zoom" command from this menu, you can define the zoom factor. You can choose any zoom factor from 5 to 2000.

"Zoom to label" means that the whole label is displayed as large as possible. The same can be achieved by clicking on the icon.

"Zoom to elements" means that all the elements are displayed as large as possible regardless of the label size. The same can be achieved by clicking on the icon.

"Zoom to page" means that the whole page is displayed as large as possible. The same can be achieved by clicking on the icon.

While the zoomed view is active, all other commands are executed in the normal way.

Snap to character grid

When you activate the "Snap to character grid" option, a grid is displayed that matches the character size of the current default font. Whenever you create or move an object this will be aligned to that grid automatically.

Change the default font and then use the command "Update character grid" if you want to change the grid size.

Update character grid

The command "Update character grid" will adapt the character grid to match the character size of the actual default font. To use this command, the ‚Snap to character grid' option must be activated.

Toolbox

"Toolbox" contains frequently-used tools to speed up the design of the labels.

You can use the icons in the "Toolbox" to mark objects, to add text, pictures, boxes, barcodes or lines to the label, and to reverse the display of objects or parts of objects.

The display of the toolbox can be switched on and off. When on, the toolbox is positioned on the far left of the computer screen. You can also move the toolbox to another part of the screen by moving the mouse cursor from the toolbox background to the desired position on the screen while holding down the left mouse button.

You can also use the  icon to turn the "Toolbox" display on or off.

All of the icons in the toolbox activate commands that are also represented in the Object menu. The commands are executed identically, whether activated by menu command or toolbox icon.

Click on the corresponding icon to activate the desired tool. The background of the activated icon is lighter.

 Select

If you want move or rotate an object, you must first select it using the "Select" tool. This tool corresponds to the "Select" command in the "Edit" menu.

You can also use this tool to cancel the selection of objects (i.e. to de-select all previously selected objects).

See also the "Select" command in the Object menu on page 50.

Text

Select one of these tools to enter text strings, paragraphs or single characters.

If you click on the icon with the yellow question mark, the new text object will be variable. This automatically activates the "Variable" option on the first page of the Text Wizard.

See also the "Text" command in the Object menu on page 35.

Barcode

Select one of these tools to define barcode parameters and barcode data. If you click on the icon with the yellow question mark, the new barcode object will be variable. This automatically activates the "Variable" option on the first page of the Barcode Wizard.

See also the "Barcode" command in the Object menu on page 40.

Weight block

Use this tool to add data block containing a weighed value to a label.

See also the "Weight block" command in the Object menu on page 38.

Picture

Use this tool to copy a picture from a graphics file to a label.

See also the "Graphics" command in the Object menu on page 40.

Box

Use this tool to add a box or frame to the label.

See also the "Box" command in the Object menu on page 39.

Line

Use this tool to add a line to a label.

See also the "Line" command in the Object menu on page 40.

Inverse

Use this tool to present an inverted image of a selected object. Selecting this tool changes black elements to white and vice versa.

See also the "Inverse" command in the Object menu on page 40.

Rotate

Use this tool to rotate selected objects 90°. The co-ordinates of the upper left-hand corner of the selected objects stay the same when rotated.

To rotate, click on the object to be rotated, then click on the rotation icon once for each 90°.

When more than one object is selected (either using the "Select all" command or by pressing the <Shift> key and clicking on several objects), a non-printable rectangle is created around all the selected objects.

In this case as well, the objects are rotated 90°. The co-ordinates of the upper left-hand corner of the non-printable rectangle stay the same.

Direct zoom

Use this tool to define the zoom factor. Just mark the portion of the label that you want to zoom and it will be maximized on the display.

See also the "Zoom" command in the View menu on page 30.

Undo direct zoom

This command undoes the direct zoom command (returns the zoom factor to what it was before the direct zoom command was executed).

Color palette

With the Color palette command in the View menu you can switch the color palette on and off. You can also use the  icon to do this.

In the color palette you can set or change the color of the selected objects. Simply click on the desired color in the palette and the color of the selected object(s) changes.

Click on the first icon (from left) on the color palette to open the standard Windows dialog box for defining custom colors. In this window you can change every color in the palette.

Text tool

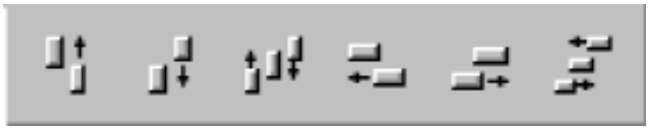
"Text tool" contains all frequently used commands to define and change the following text parameters: font, font type, font style (bold, italic, underlined) and size.

The font, size and style shown in the "Text tool" are default values if no object is selected; otherwise they show the font definition of the selected object. You can change the font (size, style) of a selected object by changing it in the "Text tool".

The display of the text tool can be switched on and off. When on, the text tool is positioned at the top of the label (document) window. You can move the text tool to another part of the screen by moving the cursor from the text tool background to the desired position on the screen while holding down the left mouse button.

You can also use the icon to turn the "Text tool" on or off.

Note: For variable text, only printer fonts can be used, which is why only these fonts are shown by default. To view TrueType and other Windows fonts, click on the button.



Align tool

The object(s) can be aligned to each other or to the label.

The display of the "Align tool" can be switched on and off. When on, the "Align tool" is positioned at the right border of the computer screen. You can move the "Align tool" to another part of the screen by moving the cursor from the align tool background to the desired position on the screen while holding down the left mouse button.

Click on the icon to turn the "Align tool" on or off.

You can also align objects using the "Align" dialog box, which is displayed by choosing the "Align" command from the pop-up menu or pressing <Ctrl> + <A>.

The alignment command is often used to align multiple elements to each other. For example: say you want to have 2 elements printed one below the other, aligned to the left border. To do this, select "Left" horizontal alignment.

Note that when several elements are aligned to a specified position on a label, they may overlap.

With multiple objects marked, you can select the "horizontally/vertically equally spaced" option. This positions the objects so that the distance between them is equal in the horizontal/vertical plane.

Top

Aligns two ore more selected object with the top of the highest object.

If you want to align objects with the top of the label, press and hold the <Ctrl> key while clicking on the "Top" icon.

Bottom

Aligns two or more selected object with the bottom of the lowest object.

If you want to align object with the bottom of the label, press and hold the <Ctrl> key while clicking on the "Bottom" icon.

Vertical center

Aligns two or more selected object with the vertical center of all the objects.

If you want to align objects with the vertical center of the label, press and hold the <Ctrl> key while clicking on the "Vertical center" icon.

Left

Aligns two ore more selected object with the left-hand side of the object furthest to the left.

If you want to align objects with the left-hand side of the label, press and hold the <Ctrl> key while clicking on the "Left" icon.

Right

Aligns two ore more selected object with the right-hand side of the object positioned furthest to the right.

If you want to align objects with the right-hand side of the label, press and hold the <Ctrl> key while clicking on the "Right" icon.

Horizontal center

Aligns two ore more selected object to the horizontal center of all the objects.

If you want to align objects to the horizontal center of the label, press and hold the <Ctrl> key while clicking on the "Horizontal center" icon.

Object Menu

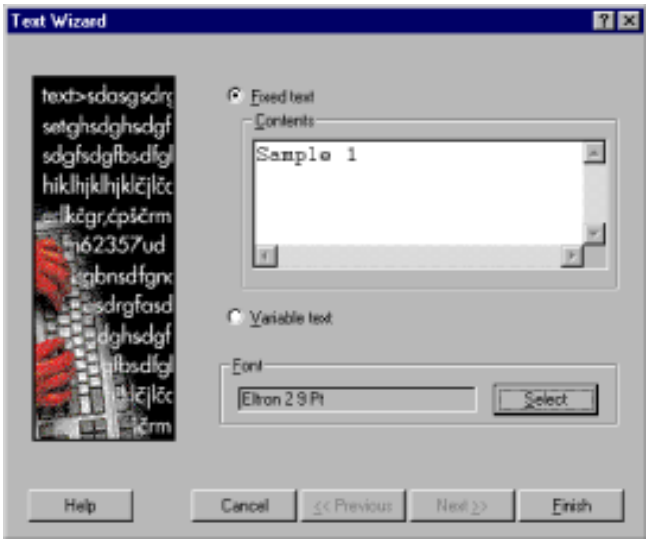
The commands in the "Object" menu help you define bar-code, text, box and line elements.

Text

When you select the "Text" command or click on the  icon in the "Toolbox", the cursor is shown with an "A" symbol.

Move the mouse cursor to the desired position on the label and click to start entering text on the label. Press <Ctrl> + <Enter> to finish. If you press <Enter> without holding the <Ctrl> key, a new text line is created.

To change any of text's properties, double click the text object. The "Text Wizard" dialog box is displayed.



Text Wizard dialog box

The Text Wizard guides you in defining all parameters for the text object.

"Fixed text": Select this option to define non-changeable content for the text object.

"Variable text": Select this option if you would like to have variable content in the text object.

"Contents field": If you selected the "Fixed text" option, enter the contents of the text object in this field.

"Font type": The currently selected font type is shown in this field.

"Select button": You can select a font type for this text object from among the fonts available (installed) in the system.

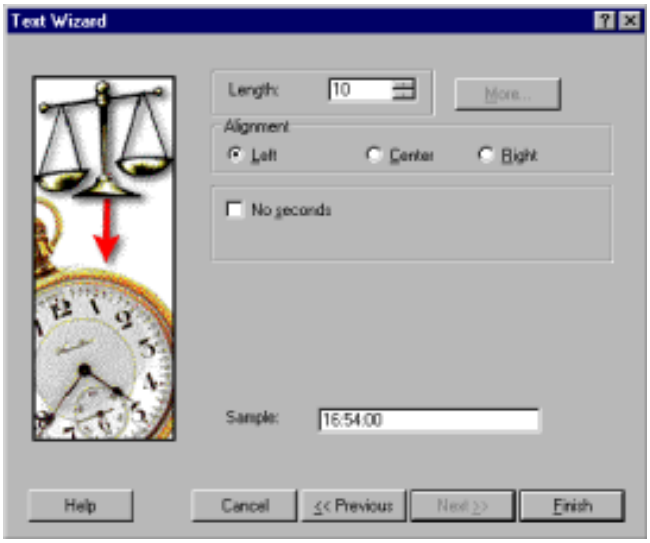
Text Wizard - Choosing variable text

If you selected "Variable" on the previous Wizard page, you must select the kind of variable you want to use.

Select the "Show all fields" option to view all the variables. Otherwise only the common variables can be selected. You can configure the variables to be shown in either list in the INI file (isi10.ini; isi20.ini).

Click on the "Advanced" button to customize the script that is sent to the weighing display and control unit. Note that this option is recommended only for experienced users who also have extended knowledge of the weighing display and control unit.

The next dialog box shown depends upon your selection here.



General variable parameters

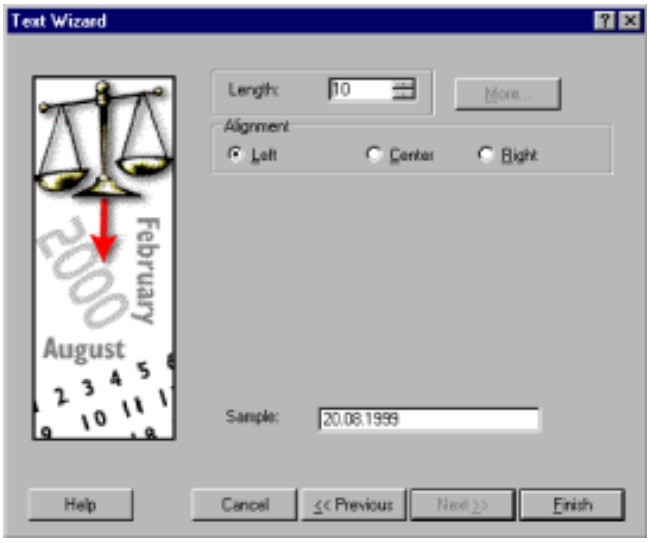
Each variable has the following general parameters:

"Length": Maximum length of the variable text.

"Alignment": Defines whether the text will be justified left, right or center in the event that the actual text length is less than the maximum length allowed.

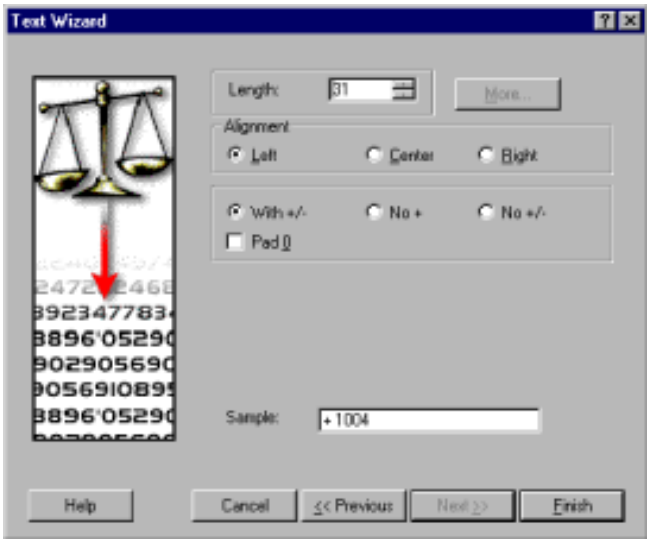
When all the parameters are set, click on the "Finish" button to return to the label. The variable object is now displayed with the value shown in the Sample field on the last page of the Text Wizard. When the label is printed, the sample string is replaced by the values defined for the variable.

Note: The parameters described above are available for every variable. Other parameters are described below.



Time variable parameters

"No seconds": If selected, seconds are not included with time.



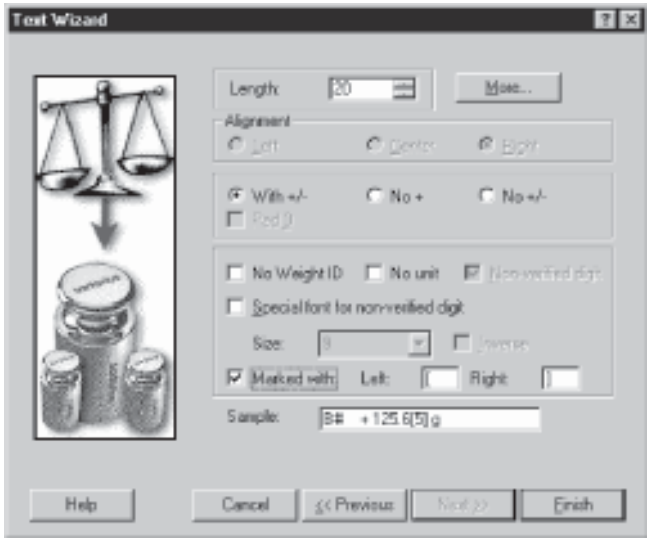
Number variable parameters

"With +/-": The number is shown with a plus (+) or minus (–) sign.

"No +": The number is shown with only a minus (–) sign.

"No +/-": The number is shown without a plus (+) or minus (–) sign.

"Pad 0": If selected, the number is preceded by zeroes.

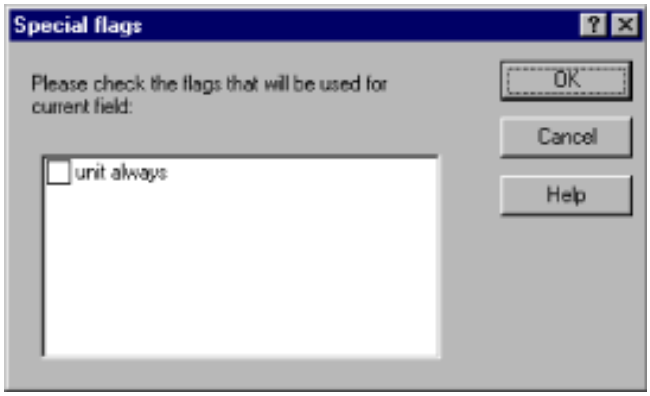


Weight variable parameters

"More":	Click on this button to open the Special flags dialog box in which you can select additional parameters for the currently selected field.
"With +/-":	The number is shown with a plus (+) or minus (–) sign.
"No +":	The number is shown with only a minus (–) sign.
"No +/-":	The number is shown without a plus (+) or minus (–) sign.
"No Weight ID":	Checks whether or not weight values are preceded by an identifier (indicating gross, net or tare weight).
"No unit":	Checks whether or not the weight unit is displayed.
"Non-verif.digit":	If selected, a non-verified digit (not valid in legal metrology) is also shown.

"Special font for non-verified digit": Select this option to define a different font size for the non-verified digit; you can also select "Reverse" to have the non-verified digit printed inversely (e.g., white on black instead of vice versa).

Marked with: If selected, the characters entered will be used to enclose the value. Left is used for the character on the left side; Right is used for the character on the right side. The default is square brackets.



Special flags dialog

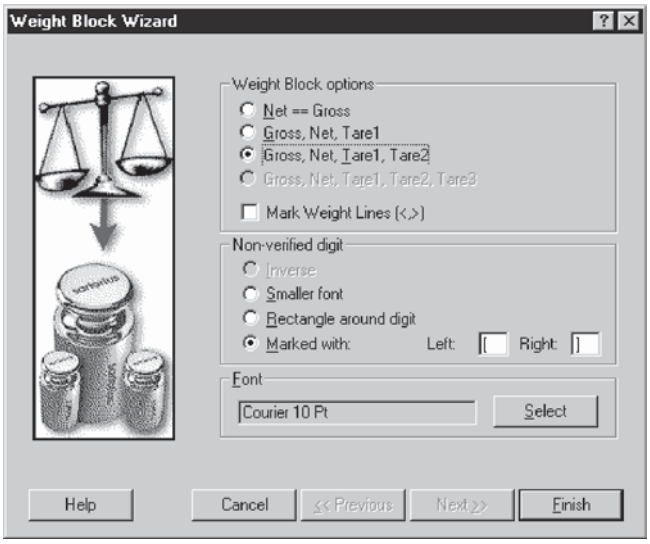
This dialog is shown when you click on the "More" button in "Text Wizard" or "Variable Wizard" dialog box.

You can select the special flags for the current field which cannot be set in the "Text Wizard" or "Barcode Wizard" dialog box.

Weight block

The "Weight block" command in the Object menu inserts a new weight block element on the label. The default format includes the weight value and 4 identifiers: gross (G), net (N), tare 1 (T1), and tare 2 (T2). For verified weighing equipment in which the displayed value d is not equal to the verified value e, the non-verified value is displayed inversely. If you wish to remove one or more identifiers (for example, to show only the net weight), you must edit the weight block.

Double-click on the weight block to edit its format. This starts the "Weight Block Wizard":



In the first field, "Weight Block options", select the weight identifiers to be included on the label. You can select from the following options:

– "Net == Gross"
  The weight is shown as a net value, with the identifier "N".
– "Gross, Net, Tare1"
  The weight is shown with the three identifiers G, N and T1.
– "Gross, Net, Tare1, Tare2"
  The weight is shown with the four identifiers G, N, T1 and T2.

*The **Mark Weight Lines (<, >)*** option enables you to use the weight information in separate lines of text, not as one weight block element. If you select this option, the lines will be enclosed in pointed brackets. The beginning and ending lines (—— CE [M] ——) are omitted. Each weight line can be positioned individually on the label. They must not overlap or they will become invalid elements (red marking).

Please note that when using line printers (such as the YDP04IS in the Line mode), you must not change the order in which weight lines appear. You may change the vertical spacing between them, but not their order. Also, do not place any element on the left or right side of the weight lines when printing to line printers. Here you can specify the characters that will be used to enclose the digit. Left is used for the character on the left side; Right is used for the character on the right side. The default is square brackets.

In the ***Non-verified digit*** options you can select the format of the text that is used to highlight the non-verified digit in the weight value. This option is valid only if the connected weighing instrument is verified for legal metrology and has a scale interval d that is not equal to the verified scale interval e. Which options are available in this field depends on the type of printer connected and the selected font (see below). The default setting is „Marked with [and]".

The following options may be available:

– Inverse display (i.e., white on black rather than black on white, or vice versa)

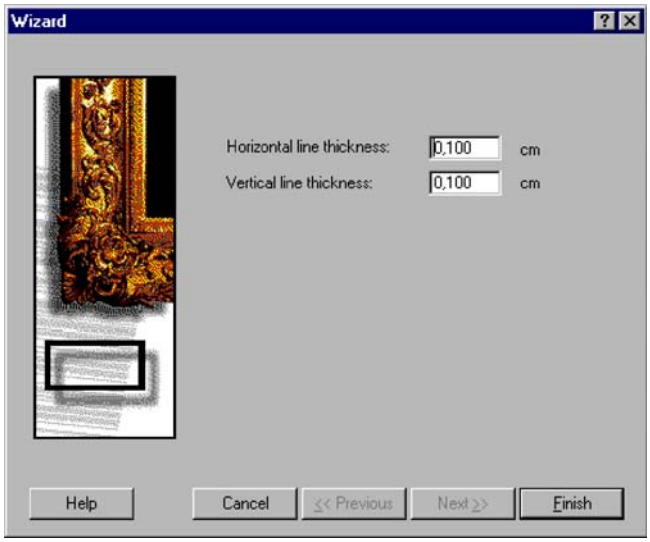
· Smaller font

· Rectangle around non-verified digit

· Marked with. Here you can specify the characters that will be used to enclose the digit. Left is used for the character on the left side, Right is used for the character on the right side. The default is square brackets.

The ***Font*** field shows the font used in the weight block. Click the ***Select*** button to change the type, style (standard, italic, bold, or bold+italic) and size of the font. You can use only printer resident fonts. Otherwise, an error message is displayed and the label is not printed.

Click the ***Finish*** button to close this dialog.



Box

Adds a box or a frame to the label.

When you select the "Box" command, or click on the icon in the "Toolbox", the cursor is shown with a "Box" symbol.

Click on the label where you want to position the upper left-hand corner of the box. The box appears with drag handles that you can use to re-size or re-position the box.

To change the box's properties, double-click on it. The "Wizard" dialog box appears.

Here you can change the thickness of horizontal and vertical lines by entering new values. You can set different values for the horizontal and for vertical lines.

Line

To add lines to a label, click on the icon in the "Toolbox" or select the "Line" command from the Object menu.

Position the mouse cursor at the point where you want the line to start, then hold down the mouse button while moving the mouse to draw the line.

You can draw a line horizontally on the label. If you want a vertical line, you must rotate a horizontal line. To do this, select the line object and then click on the "Rotate" icon in the toolbox.

To change the line width, select the line and move the drag handles.

Inverse

Adds an inverted box to the label. The inverted box turns all the black objects in the selected portion of the label to white and vice versa.

When you select the "Inverse" command, or click on the  icon in the "Toolbox", the cursor is shown with the "Invert" box.

Click on the label where you want to position the upper left-hand corner of the invert box. The invert box appears with drag handles that you can use to re-size or re-position the invert box.

Graphics

Sartorius NICE Label Express lets you import graphics in the following formats:

*.BMP, *.PCX, *.WMF, *.GIF, *.PUT and *.JPG.

When you select the "Graphics" command from the Object menu, the "Open" dialog box is opened. You can also use the  icon from the toolbox. This dialog is also displayed when you double click on a graphic, allowing you to change a graphic object that is already on the label.

A list of graphic files in the default folder "C:\ProgramFiles\Europlus\SartoriusExpress\Graphics" is displayed.

You can shorten the list by limiting the types of files shown.

When you select a file by clicking on it, it is shown on the "File name" field.

If you want to open the file from another folder or drive, use the Windows browse function or enter the full file-name (including path) in the "File name" field.

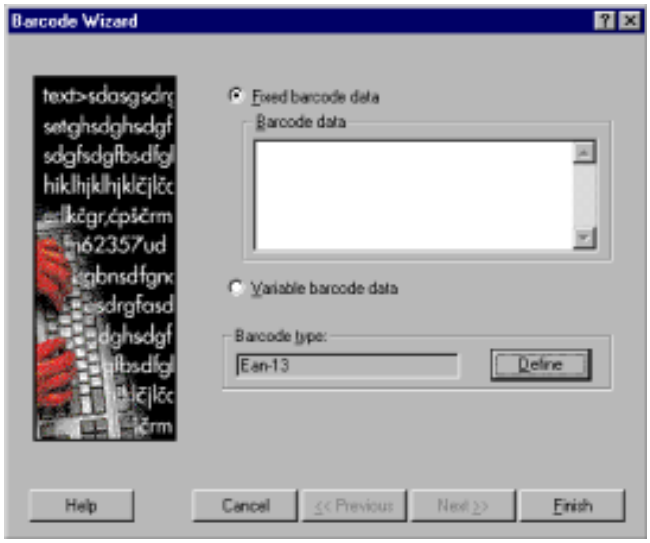
When the "Preview" option is selected, the picture from the selected file is shown in the lower left-hand corner of the "Open" dialog box.

Once you are satisfied with the selected file, click on the "Open" button to add the graphic to the label.

Barcode

When you select the "Barcode" command, or click on the  icon in the "Toolbox", the cursor is shown with a barcode symbol.

Move the mouse cursor to the desired position of the label and click to open the "Barcode Wizard" dialog box.



Barcode Wizard

First, click on the "Define" button to set the barcode parameters. The "Edit Barcode" dialog box will guide you through the settings.

Write the numbers/characters to be encoded into the "Barcode data" field. Note that some barcode types only allow input of numbers or upper-case letters, or only a precise number of digits.

All settings for variables are identical to those in the Text Wizard. The only difference is that the variable value will be used to generate the barcode instead of just displaying a value, as in a text object.

When you are satisfied with the settings, click on the "Finish" button to add the barcode object to the label.

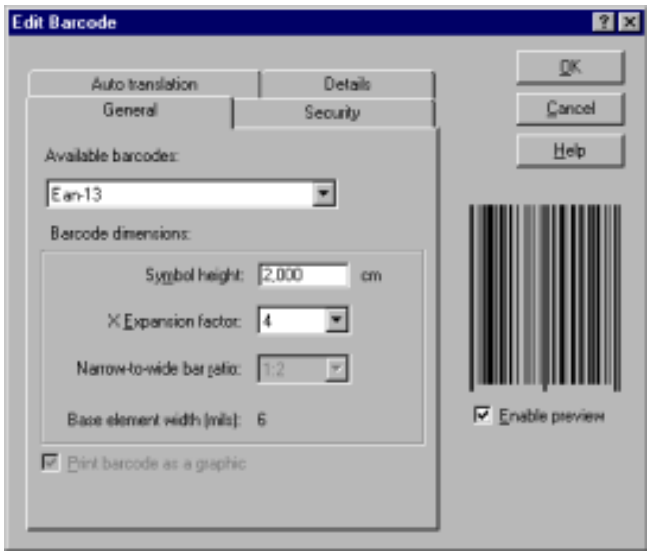
Edit barcode

In the "Edit barcode" dialog box you can define the barcode type and properties you want to use.

Select the "Enable preview" option to view the different barcode types.

To accept the changes and return to the Barcode Wizard, click the "OK" button.

This dialog box contains several property pages, which are described separately below.



General properties

Click on the "General" tab to set general properties. Select the desired barcode type from the "Available barcodes" pull-down menu. You can choose one-dimensional or two-dimensional barcodes. Note that different barcode types have different requirements; for instance, some allow only numbers to be encoded, while others allow only upper-case characters. For further information on the various barcode types, contact your supplier.

The barcodes types available are:

One-dimensional:

- EAN 13, EAN 8, UPC A, UPC E
- Interleaved 2 of 5, Code 39, Codabar, Bookland, Code 93
- Code 128, Code 128-A, Code 128-B, Code 128-C
- UCC/EAN 128
- Postnet-32, Postnet-37, Postnet-52, Postnet-62

Two-dimensional:

- PDF 417
- DataMatrix
- MaxiCode

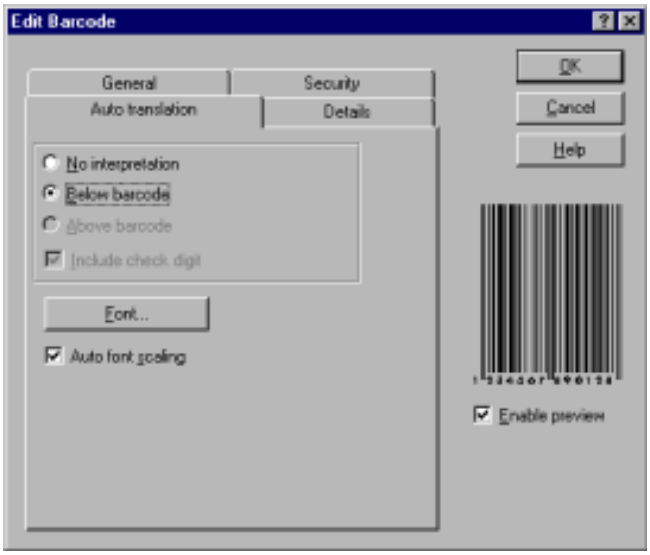
Define the barcode dimensions in the "Barcode dimensions" field. The height is set in cm by entering the desired number in the "Symbol height" field. The width of the barcode is set as the X Expansion factor. Note that the width can only be set in pre-defined increments.

When you change barcode dimensions directly on the screen by moving the drag handles, the new dimensions are also shown in this dialog box.

Some barcode types allow also the definition of Narrow-to-wide bar ratio. You can only choose from the pre-defined ratios in the pull-down menu – 1:2, 1:3 or 2:5.

The base element width (mils) is calculated automatically from the X expansion factor.

With thermal and thermal-transfer printers, the barcode is printed using internal commands. In this case, the data below the barcodes is printed using the printer's standard font. When Print barcode as a graphic is selected, Sartorius NICE Label Express prepares the barcode, including the text, as a graphic and sends the data to the printer. In this case, you have more options when defining auto-translation of the barcode. Note that printing is much slower when Print barcode as a graphic is selected.



Auto translation properties

"No interpretation" means that the contents of the barcode will not be written as numbers or characters above or below the barcode.

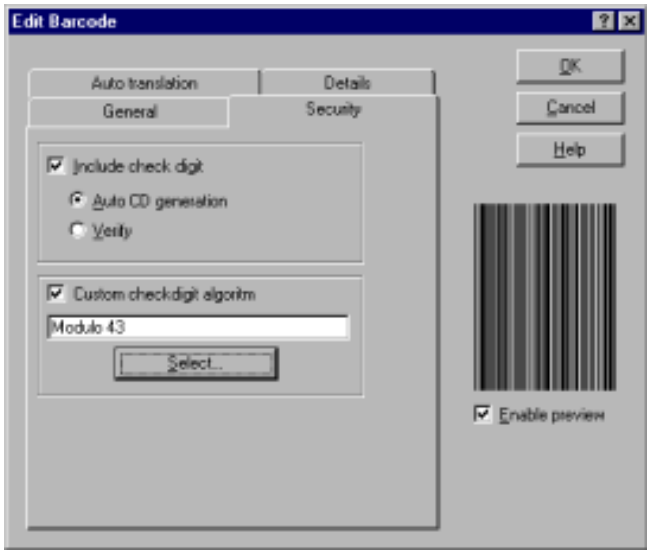
"Below barcode" means that the interpretation will be written under the barcode symbol.

"Above barcode" means that the interpretation will be written above the barcode symbol (valid only for Bookland barcode types)

"Include check digit" defines whether the checkdigit (if selected on the Security tab) will be interpreted or not.

If the barcode is printed as a graphic, you can select any font to print the interpretation. Click on the "Font" button to open the dialog box where you can select the font, including type and size.

Auto font scaling can be selected if the barcode is printed as a graphic. The size of the selected font is automatically adjusted to the size of the barcode.



Security properties

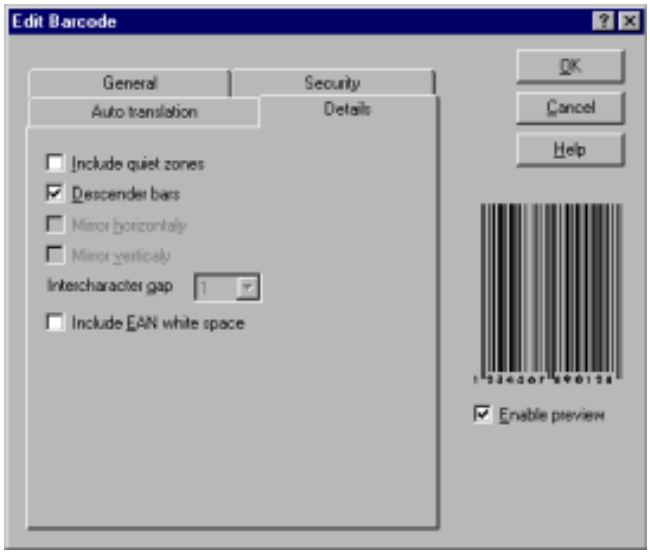
Include check digit: Some barcodes must have check-digits (i.e. EAN 8, EAN 13, UPC A and UPC B); with other barcode types, you can define a checkdigit.

The checkdigit can be either user-defined or calculated and generated automatically by the program. If you want the program to calculate the checkdigit, select "Auto CD generation".

Select the "Verify" option if you want to enter the check-digit, and only have it verified by the software.

If Custom checkdigit algorithm is selected, you can define you own algorithms for calculating the checkdigit. Click on the "Select" button to open the Algorithms dialog box; here you can define a new algorithm or select an existing one.

See the "Algorithms dialog box" for details.



Details page

Click on the "Details" tab to set other barcode parameters.

Include quiet zones means that Sartorius NICE Label Express will insert the necessary free space before and after the barcode symbol by drawing an unprinted box around the barcode symbol on the screen.

Descender bars: With EAN 13, EAN 8, UPC A and UPC E you can print longer first, middle and last bars when this option is selected.

Mirror horizontally: If the barcode will be printed as a graphic and has no interpretation, it can be mirrored along the horizontal axis.

Mirror vertically: If the barcode will be printed as a graphic and has no interpretation, it can be mirrored along the vertical axis.

Settings in the "Edit barcode" dialog box for specific barcode types

UCC/EAN128 barcode

This barcode is combined from one or more input values and standard application identifiers (AID). Each AID must be followed by standard values, which can be fixed or variable.

When the UCC/EAN 128 barcode is selected, the Barcode data field in the Barcode Wizard dialog box is disabled. To define the contents of the barcode, click on the "Next" button.

Select the first identifier from the list of available application identifiers. It will be written in brackets below the barcode.

If the application identifier includes a checkdigit, you have to define whether it will be calculated or entered together with data.

Next you need to set the values for the selected identifier.

The "Wizard" dialog box will tell you what to enter; i.e., that maximum number of digits.

The defined AID is presented on the list of selected application identifiers. Click on the "Add" button to add a new AID or on the "Delete" to delete an existing one.

If you want to change the AID and the data, select the AID and click on the "Edit" button.

You can sort the list of AID by using the "Up" and "Down" buttons.

All the settings can be viewed on the "Preview" field.

You can define the separator between application identifiers by entering the required separator for the left and right sides of the application identifier. The default separator is a bracket.

When you are satisfied with the settings, click on the "Finish" button to put the UCC/EAN 128 barcode on the label.

PDF 417 barcode

General properties

Y expansion factor defines the height of the barcode symbol.

Security properties

According to the standard, you can choose from 9 levels of security. A higher security level allows more reliable reading regardless of errors, but the barcode symbol is larger.

Truncated barcodes can be used where it is unlikely that the label will be damaged and there is no need for very high security. The truncated symbol is smaller.

Aspect Ratio

This is the ratio between number of columns and number of rows.

Contents

PDF 417 code can encode:

- all 128 ASCII characters
- all 128 extended ASCII characters
- 8-bit binary data

DataMatrix barcode

General properties

Y expansion factor defines the height of the barcode symbol.

Aspect Ratio

This is the ratio between number of columns and number of rows. Enter the desired value in the fields.

Details

ECC Type: Error Correction Codes define the security level. You can select one of the standard levels in the pull-down menu.

Format ID defines which character set will be used in the barcode. You can select a format with one of the following filters:

01 and 11: 0..9, space
02 and 12: A..Z, space
03 and 13: A..Z, 0..9, space
04 and 14: A..Z, 0..9, space,.-/
05 and 15: 7-bit ASCII lower part (from 0 to 127)
06 and 16: all
07 and 17: 7-bit ASCII

The formats from 1 to 7 allow the data lengths of up to 500 characters, while formats from 11 to 17 allow up to 2000 characters.

Border Size: factors from 1 to 15 set the dimensions of the border in the shape of the character "L".

Contents

Data Matrix can encode:
– All ASCII characters
– All ISO characters
– All EBCDIC characters

MaxiCode barcode

General properties

Y expansion factor defines the height of the barcode symbol.

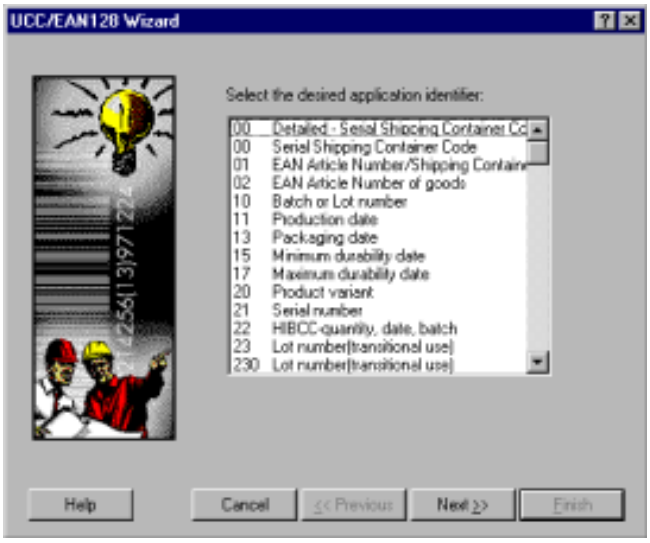
Details

When the option Structured is not selected, the content of the barcode is optional.

For Structured barcodes you may encode only standard contents.

UCC/EAN128 Wizard

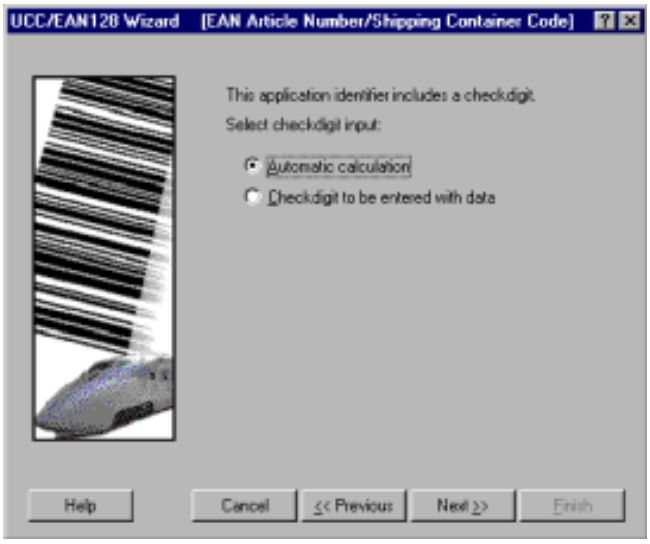
This Wizard makes it easy to define the EAN128 database functions. Step-by-step instructions are given in the following. Click the "Next" button to advance to the next screen when the selection you have made on the current screen is correct. The "Back" button returns you to the previous screen.



Step 1: Choosing an application identifier

The dialog on the first page of the Wizard allows you to define UCC/EAN128 barcode parameters.

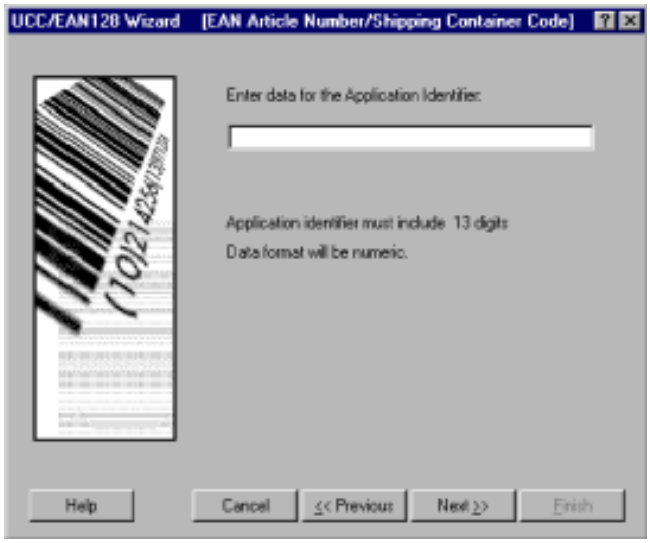
Choose one of the application identifiers from this list. You can add, edit or delete application identifiers later in the process.



Step 2: Calculating a Checkdigit

If you have selected EAN Article Number/Shipping Container or EAN Article Number of Goods as an application identifier in the "Choosing application identifier" dialog, another dialog box appears in which you can select:

- Automatic calculation: Choose this option to have Sartorius NICE Label Express calculate the checkdigit automatically.
- Check digit to be entered with data: Choose this option to manually enter the checkdigit with data.



Step 3: Entering values for the application identifier

You must enter a value for the application identifier. The number of required digits is indicated below the input field.

Step 4: List of selected application identifiers

In the last Wizard page you can add, edit or delete application identifiers and define separators between them.

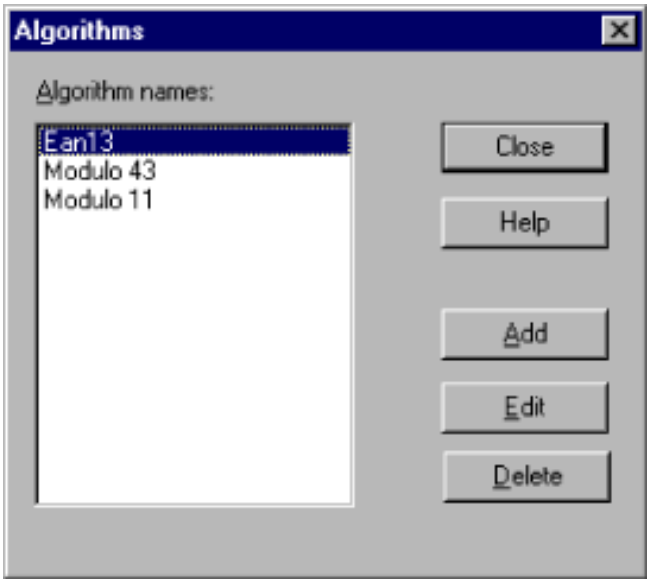
- Application identifiers selected: All application identifiers selected for the barcode are listed in this field. You can change the order of application identifiers by selecting one and then using the up or down arrow.
- Add, Edit or Delete buttons: With these buttons you can add application identifiers and edit or delete existing ones.
- Input application identifier separator: Here you can define left and right separators between different Application Identifiers.
- Preview: A sample of the barcode content is shown here.

Click on the "Finish" button to exit the Wizard.

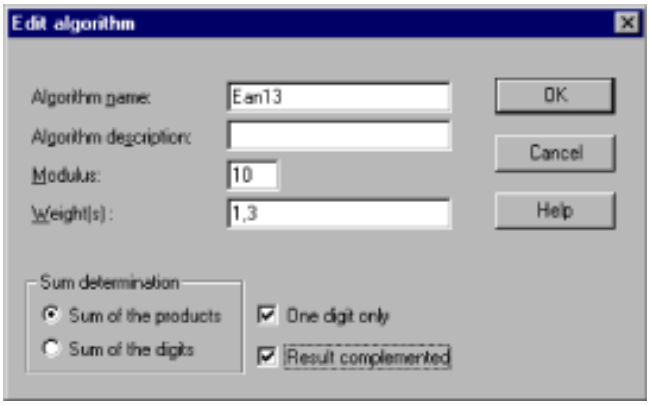
Algorithms dialog box

Sartorius NICE Label Express allows you to create your own checkdigit algorithms. This function is very useful if you want to add your own security measures to protect barcodes. Checkdigit algorithms can be defined directly in the barcode definition, or in conjunction with the checkdigit algorithm function.

When you select this command the Algorithms dialog box is opened.



You can add new or edit and delete existing algorithms by clicking on the corresponding buttons. Algorithm parameters are defined in the Edit algorithm dialog box, which contains the following options:



- Algorithm name: Name of the algorithm. Each algorithm must have a unique name.
- Algorithm description: Brief description of the algorithm.
- Modulus: See below for explanation.
- Weight(s).
- Sum determination
- Result complemented
- One digit only.

To understand all parameters, you have to know how checkdigit is calculated. First of all, we must have a numeric value from which the checkdigit will be calculated. Then the values are weighted. Let us look at EAN13, for example:

Value: 123456789012

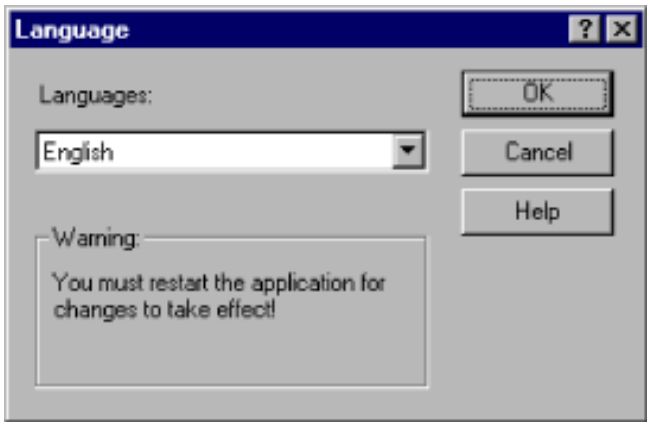
Weight(s): 1, 3

When calculation starts, each digit has its weight. When only two weights are specified, the third digit gets the first weight, forth the second, and so on. If only one weight is specified, all digits have the same weight. The "Sum determination" box defines whether we use weights (sum of the products) or not (sum of the digits).
The EAN13 algorithm uses products, so we define "Sum of the products."

Our sum is: 1x1 + 2x3 + 3x1 + 4x3 + 5x1 +... + 2x3

When the sum is calculated, we divide the sum by the modulus parameter; the remainder of this division may already be the result (see below).

If Result complemented is selected, we subtract the result from modulus-1. If the resulting value is less than 10, this is the checkdigit. If it is a two-digit value, either the lowest digit (One digit only) or the whole value is used as the checkdigit.



Select

The "Select" command in the Object menu allows you to select an object on the screen. After you choose this command, position the mouse cursor on the desired object and click on the left mouse button to select it. You can also activate this command from the Toolbox.

To select two or more objects, press and hold the <Shift> key while clicking on the objects with the mouse.

The objects can be selected, cut, copied, pasted and edited with the right mouse button. If you click the right mouse button on the object, a menu shows the available commands. Note that these commands are equivalent to the corresponding main menu commands.

Editing objects

If you want to change anything on the objects, double-click on the object to open the dialog box for setting object parameters.

Position and size

Select the object and move the drag-handles to re-size the barcode.

To move an object, select it and move the mouse while holding down the left mouse button.

Rotation

Most objects can be rotated. To do this, select the object and then click on the  icon. The object is rotated 90° clockwise.

Popup menu

If you press the right button on the mouse, a special pop-up menu appears allowing you to quickly select the most often-used commands.

The content of the pop-up menu depends on where the mouse cursor is positioned and what was selected at the time.

Note that this is just a more convenient way of choosing commands. The command itself is executed just as if it was chosen from a main menu or the toolbar.

Options Menu

The commands in the "Options" menu help you choose various options (depending on version of the program).

Language

You can change the language used in the application with this option. The application must be restarted before changes take effect.

Window Menu

The commands in the "Window" menu help you arrange the position of currently open windows (documents).

Cascade

Use this command to cascade all open windows.

Note: Make sure all the windows you want to display are open; minimized windows will not be included in the cascaded display.

Tile

Use this command to tile all open windows within the working space.

Note: Make sure all the windows you want to display are open; minimized windows will not be included.

Arrange Icons

Use this command to arrange icons (minimized windows) along the bottom of the working space. This only works if the icons are not already arranged.

Close All

This command closes all open labels (documents); you will be asked whether you want to save labels that have been edited since the last save operation. Use this command to close all windows quickly with a single command (otherwise you have to use the "Close" command in the File menu for each label (document).

Window list

When one or more labels (documents) are open, they are listed at the bottom of this menu. You can quickly switch between windows by selecting the desired window from this list. If more than nine windows
are opened, others are accessible under the command "More windows...".

Help Menu

The commands in the Help menu help you work with the program and offer detailed information on the functions.

Contents

This command opens the Help contents.

Using help

This command opens Windows Help, which explains how to use Help files.

About

This command displays information about the application, current version and current user.

If you click on the "More" info button, an expanded "About" window is displayed with information on each module (DLL) used by Sartorius NICE Label Express.

Troubleshooting

Error Messages

General error messages

"Contents of text or barcode can not be empty. You must enter the value for text or barcode!": This is self-explanatory.

"Contents must not be empty!": This is self-explanatory.

"Invalid checkdigit!": Some barcodes include a checkdigit in their contents. If you specify content which contains a checkdigit that is not correct, this error occurs.

"Invalid contents for barcode!": Barcodes have some restrictions on their contents. For example, an EAN13 barcode must have exactly 12 characters if checkdigit calculation is automatic, or 13 digits if the value includes the checkdigit. In this case, the 13th character must be the correct checkdigit. Other barcodes, such as CODE39, have restrictions on the character set that can be used for barcode contents. Check other error message pages for detailed information.

"Invalid data for barcode!": Some barcodes have a numeric format; some have their own format (CODE39). If the value has characters which are not valid for that format, an error occurs. In this case, change the value.

"Invalid graphics format!": Supported formats are BMP, WMF, PUT, PCX, GIF and JPEG. If the format of the graphic you wish to insert is not one of these, you cannot include it on the label.

"Invalid INI file!": This message appears when the application is not properly installed. In this case, you must reinstall the application. If the error persists, contact your supplier or Product Support for assistance.

"Invalid length for barcode!": Some barcode types have restrictions on the length of contents. If you try to assign a value which does not have the proper length, an error occurs. In this case, enter a different value.

"Invalid picture!": Pictures (variables) must have correct values. A date picture must contain D, M, and Y characters, together with '/' and '.'. If any other characters are in the picture, it is invalid.

"Old contents no longer valid! Invalid characters removed!": When you change a font, it may happen that the selected font does not support all the characters that were in previous contents of the text. All invalid characters are removed from the contents.

"Out of memory while creating new object. Quit one or more applications!": A problem occurred with the available memory while creating a new object. The program may have run out of memory. The best solution is to save your work and quit one or more other applications before continuing to work with the labeling software.

If this does not solve the problem, quit all applications, restart Windows and start Sartorius NICE Label Express again.

"This is not a placeable metafile! Can not be loaded!": Sartorius NICE Label Express can import only Aldus metafiles. This is format which is used in Microsoft Clipart and other popular software packages. The standard WMF format does not contain the size of the metafile.

"This label has been created with a new version of the software! Please contact your SW supplier to purchase a new version!": This error message is self-explanatory.

Printing

"Printer does not print":
- Check the installation of the printer driver.
- Make sure the printer driver is associated with the correct port (on the computer or on the weighing display and control unit).
- Make sure the printer is connected to the correct port.
- Make sure the printer is switched on.

"Automatic printer setup failed!": See below, "Printer does not support stock paper format".

"No printer installed!": Sartorius NICE Label Express can not operate if there is no printer installed. Please install a printer first. You can do this in the "Printers" section of the Windows Control Panel (under "Settings"). For detailed information, see the Microsoft Windows User's Guide.

"Printer does not support stock paper format. This stock cannot be loaded!": Whether stock can be loaded depends on the paper size. Example: If the active printer is "LaserJet III P", an A4 laser printer, and the stock is defined for A3 paper, you cannot load this stock.

"Printer not installed!": Sartorius NICE Label Express can not operate if there is no printer installed. Please install a printer first. You can do this in the "Printers" section of the Windows Control Panel (under "Settings"). For detailed information, see the Microsoft Windows User's Guide.

"Printing (simulating) is in progress! Please finish printing first!": You cannot end the application while it is printing or showing a print preview.

Weighing display and control unit error messages

"You have manually modified the script. Do you want to keep the current script?": This warning is shown when you have made changes in the label script file (*.SCR). Select "OK" if you are sure that the modifications are correct.

"You have manually modified the sample value. Do you want to keep the current value?": This warning is shown when you have made changes in the sample value field. Select "OK" if you are sure that the modifications are correct.

"Download module cannot be located!": This error message is shown when there is a problem with installation of Sartorius NICE Label Express. It indicates that a DLL file required for communication with the weighing display and control unit cannot be found.

"Download function not found!": This error message is shown when there is a problem with installation of Sartorius NICE Label Express. It indicates that a DLL file required for communication with the weighing display and control unit cannot be found.

"Indicator software version is not the same as NICE Label's. If you have problems during download, please contact technical support!": The software on the weighing display and control unit is a different version than one selected in label setup. There may be problems when downloading and executing scripts.

"Only printer's internal fonts can be used for variable fields! Please select another font!": For variable fields, you can only select the printer's internal fonts. No True Type or other Windows fonts can be used.

"Only printer's internal barcodes can be used for variable fields! Please redefine the barcode!": For variable fields, you can only select printer's internal barcodes. This error message indicates that you have selected a barcode that is not implemented in your printer, therefore NICE Label Express has sent a bitmap image of the barcode instead. However, this does not work if the weighing display and control unit is connected to printer.

"TrueType fonts cannot be assigned to variable field(s)! Font is not changed!": For variable fields, you can only select printer's internal fonts. No TrueType or other Windows fonts can be used.

"Label was created with other version of NICE Label. Labels with variables cannot be used in Sartorius NICE Label Express!": This error usually indicates that you have tried to open a file that was not created with the same version of NICE Label as the version you are using. The file cannot be opened.

"Compile module cannot be located!": This error message is shown when there is a problem with installation of Sartorius NICE Label Express. It indicates that a DLL file required for communication with the weighing display and control unit cannot be found.

"Compile function not found!": This error message is shown when there is a problem with installation of Sartorius NICE Label Express. It indicates that a DLL file required for communication with weighing display and control unit cannot be found.

"There were errors during compiling! Please check the script file!": The script file has errors. Please check the script file and make the necessary modifications.

"There were errors during download": Download was not completed successfully. Please try again.

"Label must be saved before exporting to terminal!": Before you can export the label to the weighing display and control unit, the label must be saved.

Data Printouts for Use in Legal Metrology

The "NICE Label Express" software from Sartorius can be used to format printouts that are compliant with regulations governing legal metrology.

The NICE Label program comes with a special type-approved module, the "FLEXWB.DLL" file, which lets you check user-defined printout formats for compliance with legal metrology regulations. A print format file that passes this test is given an electronic approval marker that cannot be manipulated (see below for details), and a pre-defined weight block is inserted in the print format. Without this authentication, asterisks ("***") are printed in place of any weight value.

A printout is only valid for legal metrology if it includes this weight block. To include the weight block in a print-out, select the "Weight Block" item from the "Object" menu. For details, see chapter 4, "Reference", in the NICE Label user's manual. You can also configure the printout to include a user-defined format for weight values, as well as other data or graphics, if desired.
The only factor that is decisive for the legal metrological applications is the inclusion of the type-approved weight block.

Select the "Load" command from the "File" menu to load a user-defined print file into a terminal or weighing instrument. (For details, see chapter 4, "Reference", in the NICE Label user's manual.) The type-approved "FlexPrint" software module, which checks the authenticity of the print file with every printout, is also in the terminal or weighing instrument.

Which version of FlexWB.DLL you have is indicated in the operating menu or configuration program of the weighing instrument in question.

Alternatively, you can contact your nearest Sartorius representative for assistance. The Sartorius "Fast Factory" can reconfigure your user-defined label format to make it valid for legal metrology. In this case, however, you cannot change the print format later.

The test certificate for type-approval of the "FlexPrint" and "FLEXWB.DLL" modules is shown at the end of this document.

Weight blocks valid for legal metrology can be recognized by their headers and footers, which cannot be reconfigured:

"------ CE [M] ------"

Example of Weight Block Printout:

With taring (2 tare memories):

```
------ CE [M] ------
B   +       124.45 kg
N   +       100.00 kg
T1  +        24.00 kg
T2  +         0.45 kg
------ CE [M] ------
```

Without taring:

```
------ CE [M] ------
N   +       348.65 kg
------ CE [M] ------
```

Glossary of Terms

Auto-translation

Barcode interpretation in legible characters.

Quality

The print-head temperature determines the print quality. The higher the temperature, the darker the printout (thermal printers only).

Descender bars

Longer first and last bar in the EAN 13 barcodes.

Quiet zone

The empty space before and after the barcode symbol. This is necessary for correct barcode scanning.

Security

The definition of the checksum for some barcode types.

Appendix: Frequently Asked Questions

Using Sartorius Nice Label Express with a Connected Scale or Indicator

How can I download a print definition to the scale?

- Connect the serial port of the PC to the data output port on your scale. Configure the data output in the scale operating menu to 'xBPI' or 'xBPI-232'. Refer to the scale operating manual for detailed instructions.

Note
With indicators of the isi series, it is easiest if you have separate data outputs for printer and PC. This lets you keep the printer connected to the indicator and download new print definitions while the application is running.

- To begin downloading, select 'Compile' from the 'File' menu in the 'Sartorius Nice Label Express' program and click on the 'Download' button.

I have a PC connected to the scale; why do I get an error message while connecting or downloading?

- Check whether the data output is configured to 'xBPI' in the scale operating menu (see above).
- Switch the scale on and make sure it is running in the basic weighing mode. Exit any applications before activating the download function.

Printer / Paper

Predefined Label Stock

After pressing the button "Select Label Stock" in the Label Setup Wizard you can select predefined label stocks of different manufacturers.

The following label stocks are distributed by Sartorius:

Stock name	Dimensions	Distribution No.	Preselected Printer
0_056x030	56 x 30 mm	69Y03092	none
0_056x076	56 x 76 mm	69Y03093	none
0_056x100	56 x 100 mm	69Y03094	none
0_101x127	101 x 127 mm	69Y03195	none
1_056x030	56 x 30 mm	69Y03092	YDP01IS
1_056x076	56 x 76 mm	69Y03093	YDP01IS
1_056x100	56 x 100 mm	69Y03094	YDP01IS
1_060xxxx	60 mm Continous	69Y03090	YDP01IS
2_056x030	56 x 30 mm	69Y03092	YDP02IS
2_056x076	56 x 76 mm	69Y03093	YDP02IS
2_056x100	56 x 100 mm	69Y03094	YDP02IS
2_101x127	101 x 127 mm	69Y03195	YDP02IS
2_060xxxx	60 mm Continous	69Y03090	YDP02IS
2_101xxxx	101 mm Continous	69Y03196	YDP02IS

How can I print on continuous paper?

- Open the Printer Setup dialog in the Label Setup Wizard (or double-click on the printer name in the status line).
- Click on the 'Advanced…' button.
  Which settings are to be configured depends on your printer model:
  - YDP01IS
    Enter a value not equal to 0.00 in the 'Form Feed' field. The printer will feed this length instead of searching for the label gap.
  - YDP02IS and YDP04IS:
    Select 'Other' for 'Sensor type:'. This will switch the label sensor of the printer to a paper-end sensor.

How can I print several identical labels?

In the 'Compile' dialogue enter the desired number of labels in the 'Quantity' field. (refer to the section on the 'Compile' function in the 'File' menu, in the „Reference" chapter of this manual).

How can I use a label printer from another manufacturer?

There are 2 steps required for using a printer from a manufacturer other than Sartorius:

- Download the required printer driver from the **www.nicelabel.com** Web site and install the printer driver in your Windows operating system.
- Select 'Universal' as the printer type in your scale menu. Make sure the transmission parameters (baud rate, parity, word length and stop bits) are correct for the printer in question.

Formatting Printouts

Why is the printout from the YDP01IS printer different from the screen layout?

The YDP01IS printer has only limited graphic capabilities. For example, fields can be positioned only line by line.

If two fields that appear to be on one line on the screen appear in different lines on the printout, use the alignment tools in 'Sartorius Nice Label Express' to ensure that the fields are in one line.

You can avoid unnecessary empty lines by placing the lines as close together as possible.

Why are there „printer fonts“ in my program that obviously don’t match those in my label printer?

This can happen if you use additional program tools, such as the Adobe Type Manager, which install fonts that appear as ‘printer fonts’ in the application program. Usually the font name indicates whether a given font can be used with your label printer.

My print definition file is too large to download to the scale. What can I do?

Avoid using True Type fonts. Text formatted with True Type fonts is converted into relatively large graphics. Use printer fonts of the desired size instead.

If you use logos (graphics) you should use a small size. You can also use a graphic editor to cut empty margins off the graphic. This will reduce the amount of graphic data.

How can I make the printout darker?

- Open the Printer Setup dialog in the Label Setup Wizard (or double-click on the printer name in the status line).
- Either increase the value in the ‘Darkness’ field, or decrease the value in the ‘Speed’ field.

Weight Values

What is the weight block for?

Printing the weight block guarantees a printout of the weight value (gross, net and tare weights) in accordance with requirements for legal metrology. With verified weighing instruments, you can still define your own format for the weight value printout, but the weight block must be printed as well.

Why are asterisks (***) printed in place of the weight value on my label?

With verified weighing instruments, you must always print a weight block. You can also define your own weight value format, to be printed in addition to the weight block.

If the space you define for the weight block is too small — for example, if you have selected the net value for printing but a tare weight is also used — asterisks (‘***’) are printed in place of the weight value.

How can I include the weight block on a pre-printed form that doesn’t have a separate space for it?

In this case, Sartorius can help you. Our ‘Fast Factory’ service can check your pre-printed label and modify it for use in legal metrology. Contact your local Sartorius office or dealer for more information.

Bar Codes

How can I print a bar code that contains only the characters I enter, without extra spaces at the end?

- Define a bar code variable with the desired maximum length and enter a full length sample value so you can check the layout on the screen.

  Example:
  - Select the “ID1” field; for example, to print the ID1 (defined in the scale) as an article number.
  - Click on the ‘Advanced…’ button in this Bar Code Wizard dialog.
  - In the next dialog box, enter a zero (‘0’) in place of the ‘$l’ (dollar sign followed by a lower-case ‘L’).

  > ID1 is now printed without unnecessary spaces at the end.

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Prüfschein

Test certificate

Ausgestellt für: *Issued to:*	Sartorius AG Weender Landstraße 94-108 37075 Göttingen Deutschland
Prüfgrundlage: *In accordance with:*	EN 45501 (1992), Nr. 8.1, WELMEC-Dokumente 2.3 (1996) und 2.5 (1998), EWG Richtlinie 90/384/EWG, OIML R 76-1 (1992)
Gegenstand: *Object:*	Softwaremodule zur flexiblen Druckausgabe *Software modules for flexible printouts* Typ / *type* : FlexPrint und/*and* FLEXWB.DLL
Kennummer: *Serial number:*	---
Prüfscheinnummer: *Test certificate number:*	**D09-00.18**
Datum der Prüfung: *Date of Test:*	---
Anzahl der Seiten: *Number of pages:*	5
Geschäftszeichen: *Reference No.:*	1.14 – 99027899
Benannte Stelle: *Notified Body:*	0102

Im Auftrag
By order

Brandes

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 40

Braunschweig, 06.04.2000

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Hinweise siehe erste Seite der Anlage, die Bestandteil des Prüfscheines ist.
For notes, see first page of the Annex which forms an integral part of the test certificate.

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The status of the information, specifications and
illustrations in this manual is indicated by the date
given below. Sartorius AG reserves the right to make
changes to the technology, features, specifications
and design of the equipment without notice.

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