S-Jet 700 SERIES
PIEZO dOD PrinterS
USER MANUAL V2

Copyright © Sellenis Ltd 2020

TABLE OF CONTENTS

1.0 Preface 5
1.1 Safety Information 5
1.2 Audience 5
2.0 S-Jet 700 Printer Hardware 6
2.1 Overview 6
2.2 Key Features 6
2.3 Installation 6
2.4 Operating the Printer Hardware 10
2.5 Additional Information 11
2.6 List of Parts 11
3.0 Sellenis Printer Control Software 11
3.1 Overview 11
3.2 Key Features 11
3.3 Installation 11
3.4 Accessing the Application 14
3.5 Account Manager 17
3.6 Changing Users 19
3.7 Printer Configuration 21
3.8 Printhead Configurations 22
4.0 Print orientation 23
4.2 Print, Read, Match & Verify 24
4.3 Printhead Offsets- Print Delays 25
4.4 Setup the Print Position 26
4.5 Setup Printhead Stroke Delay (Horizontal Print Stitching/Alignment) 28
4.6 Setup Vertical Alignment 28
4.7 Printer Resolution Settings 29
4.8 Printing Mode Settings 30
4.9 Simulated Printing 31
4.10 Standard Printing Settings 32
4.11 Standard Printing Mode (with internal shaft encoder) 33
4.12 Repeat Printing Settings 33

Copyright © Sellenis Ltd 2020

4.13 Track & trace printing mode (refer to separate instruction manual) 34
4.14 External Serial Devices Printing Mode (see separate instruction manual) 34
4.15 Barcode reader error free data entry (see separate instruction manual) 35
4.16 Protocol Mode (see separate instruction manual) 35
4.17 Printhead Purge Settings 36
4.18 Labels, Layouts and Templates 37
4.19 Creating a New Template 40
4.20 Adding Text Data 41
4.21 Adding Date & Time Stamps 42
4.22 Date and Time Stamp Edit section 45
4.23 Adding Numeric Serializer 47
4.24 Adding Shift Codes 49
4.25 Adding User Codes 50
4.26 Adding Vision Camera 51
4.27 Adding Magnetic Card Reader (MCR) 51
4.28 Add Database 51
4.29 Adding Single Dimensional (1D) Barcode 55
4.30 Adding Two Dimensional (2D) Barcode 57
4.31 Adding Images 58
4.32 Editing an Existing Template 59
4.33 Setting Template Properties 59
4.34 Deleting Elements in a Template 60
4.35 Additional Options 60
4.36 Aligning Template Content 60
4.37 Updating Font Information 61
4.38 Zoom In, Zoom Out, and Default View 63
4.39 Rotating a Selected Element 63
4.40 Runtime Data Configuration 63
4.41 Setting Template Length 63
4.42 Printing Process 64
4.43 Loading Template 64
4.44 Print Controls 65

Copyright © Sellenis Ltd 2020

4.45 Print Status 65
4.46 Print Statistics 66
4.47 Print Event 67
4.48 Import Files and Folders 68
4.49 Event Log 70
4.50 Creating Event Log Reports 70
4.51 Selecting Event Log Filters 71
4.52 Logout and Power Off 72
5.0 Appendix A 73
5.1 Onscreen Keypads 73
5.2 User Privileges 75
5.3 Adding Variable Data 76
5.4 Variable Wizard 77
5.5 GS1 Wizard 78
6.0 Support Information 79

Copyright © Sellenis Ltd 2020

1.0 PREFACE

1.1 Safety Information

Ensure that you have read and understood this User Manual before installing and operating the **S-Jet 700 Printer** Hardware. Additionally, make note of the following important points:

- Read the relevant Material Product Data Sheet (MSDS) before storing, handling, transporting, or using the ink bottles/containers.
- Do not open any enclosed components of the controller or printheads. There are no user-serviceable parts present inside the controller or printheads.
- Make sure that the power switch is turned **OFF** before connecting the power cord to the printer or to the power source. Also, ensure that the local power plug is connected properly.
- Turn **OFF** the power switch and disconnect the power cord before performing any of the following:
    - Opening the printer cabinet
    - Making any external wiring connections
    - Connecting or disconnecting a printhead
    - Removing and/or installing an ink container
- Ensure that all the external cables including the power cable are braced and hidden from the printed products and the conveyors, to avoid contact.
- Use only lint-free wipes to clean the face of a nozzle plate.
- Ensure that proper adjustment and alignment of the printheads are done, to protect them from contact with side rails and product guides.
- Recycle empty ink bottles and containers according to local regulations.
- Any faults or problems that can negatively affect safety must be repaired immediately. These include, but are not limited to, the following:
    - Plugs
    - Cables
    - Enclosures
    - Movable mechanical components (such as measuring wheels, shaft encoder)
- In the case of a defect, the **S-Jet700** must be immediately shut down and is only allowed to be restarted after it has been properly repaired

1.2 Audience

This User Manual is intended for the users of the **S-Jet 700 Printer.** This Manual guides you through the process for installing the print head (s), configuring the **S-Jet 700 Printer**, and also the usage of the **Sellenis Printer Control Software**.

Copyright © Sellenis Ltd 2020

2.0 S-JET 700 PRINTER HARDWARE

2.1 Overview

The **S-Jet 700 Printer Printers** are high-speed range industrial digital printers from Sellenis Limited. These printers use the so called Piezo High Resolution Drop On Demand (DOD) ink jet technology. The **S-Jet 700 Printers** are designed to meet your Online, Live, Hands-Free Coding, and Marking applications.

2.2 Key Features

The following are the key features of **S-Jet 700 Printer**:

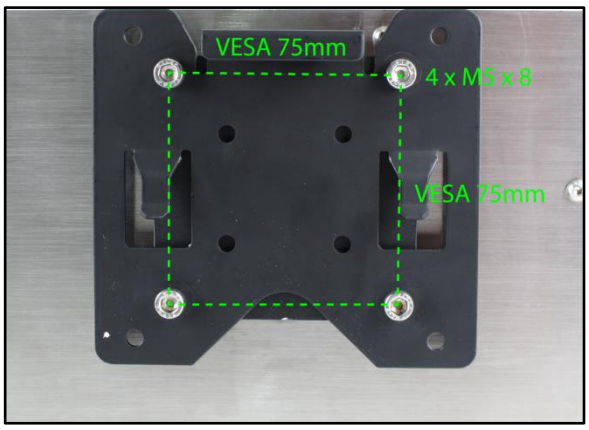
- Comes with an intuitive and easy to learn icon-based Graphical User interface (GUI) software that minimizes operator training.
- Provides extensive support for barcodes including 1D, 2D, and postal formats.
- Possesses the ability to print 45, 60, 90 and 180 horizontal Dots per Inch (DPI) at 180 vertical DPIs.
    - Supports GS1 and item level serialization
    - Works in conjunction with camera vision to READ, PRINT, VERIFY,
    - Works in conjunction with camera vision to read at speeds 1D, 2D, OCR & OCV
    - Works in conjunction with camera vision to produce reports for pass & fail codes for the purpose of Track and Trace
    - Prints labels incorporating texts, images, logos, barcodes up to 72 mm high
    - Interface, communicates, receives and print data from Serial external Devices such as weigh scales, barcode readers, magnetic card readers etc..
    - Prints from databases
- Offers International Characters support
- Offers unlimited variable data and unlimited image width
- Offers an image height up to 72 mm
- Has a robust print control
- Provides flexible print options

2.3 Installation

This section details the process that needs to be followed while installing the printhead.

2.3.1 Mounting the Countroller

The Countroller needs to be mounted in the controller plate, within the dimensions as depicted on the following figure:



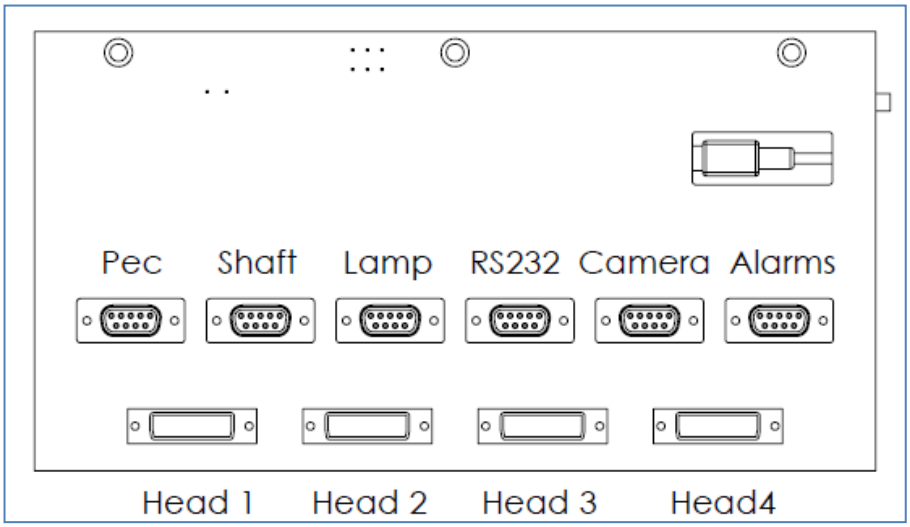
Copyright © Sellenis Ltd 2020

The following figure depicts the position of the connections:

Connections of the various inputs/outputs to the Printer controller

The connectors for the various inputs and outputs of the S-Jet 700 are located on the back panel of the printer controller as shown below:

Figure 2-1, Rear of the controller



Copyright © Sellenis Ltd 2020

The connection to the electrical mains is situated at the top right hand side of the controller enclosure as shown below: Please ensure the switch is set to off (zero) before connecting the mains cable.

Figure 2-2, Mains cable entry

The ethernet and the USB connections are situated at the bottom right hand side of the controller as shown below:

Figure 2-3, Ethernet and USB

The connectors' panel at the back of the printer controller can provide up to 10 connectors. The number of connectors provided depends on the printer model ordered. Up to four printheads can be connected to the controller.

Copyright © Sellenis Ltd 2020

Note: Please do not connect or disconnect any of the connectors before you switch off the electrical mains power to the controller by ensuring the power switch is pressed to the zero (0) position so as to prevent any electrical damage to the printer system electronics.

Table 2-1, Controller connections

Location	Icon	Description
1		Shaft Encoder
2		Photocell
3		Lamp
4		RS232
5		Camera trigger
6		Alarm
7		510 prinnthead
8		510 printhead
9		128 printhead
10		128 printhead

Copyright © Sellenis Ltd 2020

2.4 Operating the Printer Hardware

This section details the process of operating the Printer hardware.

2.4.1 Power On/Off the Printer

Once the connections are made and the ink container is placed in its location, the printer can be turned on. Perform the following procedure to switch on the printer:

2.4.2 Plug the printer to the main power.

The range of Voltage, Frequency, and Power required for the flawless operation of the printer, is as follows:

Voltage: 85 – 264 VAC
Frequency: 47 – 64 Hz
Power: 225 VA MAX

Turn the power switch to **ON** position.

The blue LED light on the left top side of the monitor screen is turned on, indicating that the power is **ON**. Once the power is on, the computer battery starts to recharge.

2.4.3 Press and hold the button on the top left of the unit for approximately 10 seconds to turn on the printer.

Copyright © Sellenis Ltd 2020

Note: If the printer is left unplugged for a long period of time, the computer battery may get drained. In such cases, the computer will not boot up immediately after you turn on the printer. If you encounter this problem, leave the unit plugged in and turned on for 15-30 minutes.

2.5 Additional Information

This section provides you an insight to the general printer hardware parts information and the voltage rating information.

2.6 List of Parts

The parts supplied with the printer hardware varies, depending on the configuration you have chosen. The details of the parts of a printer versions are detailed under List of Accessories and Spare Parts section in **Appendix B**.

2.6.1 Voltage Rating Information

The **S-Jet 700 Printer** has the following voltage specifications:

Item	Value
Voltage	85 – 264 VAC
Frequency	47 – 63 Hz
Power	225 W MAX
Controller Weight	5 Kg (11 lbs.)

3.0 SELLENIS PRINTER CONTROL SOFTWARE

3.1 Overview

The **S-Jet 700 Printer** is also associated with the **Sellenis Printer Control software**, which aids in presetting the printer functions before operating the same.

3.2 Key Features

The following are the key features of **S-Jet 700 Printer Control Software**:

- The printer control has a Multilingual interface
- User friendly printer configuration
- Offers secure login with multi user support
- Intuitive Template definition screen
-

3.3 Installation

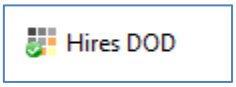
The **Sellenis Printer Control software** can be installed on your PC running on Microsoft Windows XP, Vista, 7, 8, or 10. The recommended Operating System is Windows 8. The software comes with a one click installer (executable exe file) along with the printer hardware. To install the **Sellenis**

Copyright © Sellenis Ltd 2020

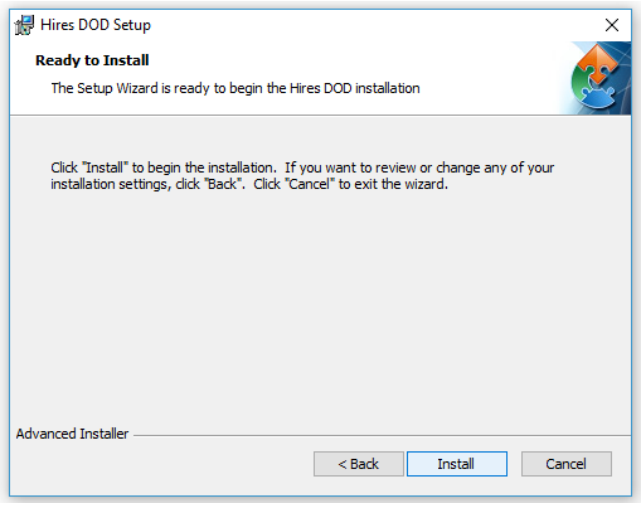
Printer Control software from a location, where the executable (exe) is placed, perform the following procedure:

Navigate to the location/folder, where the **Sellenis Printer Control software** executable file is placed.

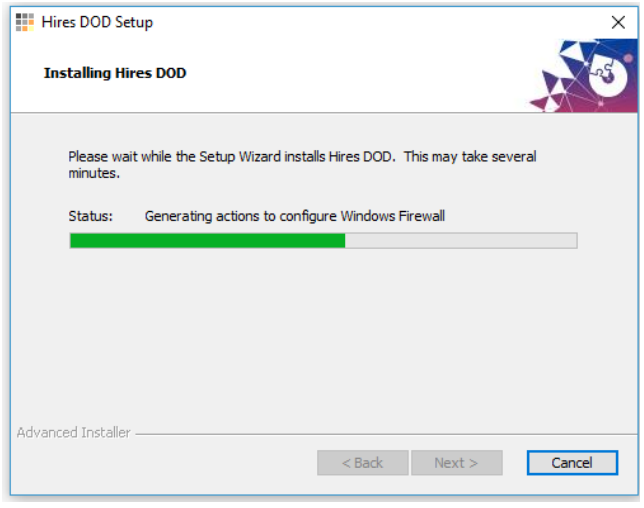
3.3.1 Double click the **Hires DOD** file.



The installation is invoked and the following screen is displayed.



3.3.2 Click **Install** button. The installation has started, and the following screen is displayed.



Copyright © Sellenis Ltd 2020

Once the installation is completed, the application Welcome screen with Login icon is displayed.

Copyright © Sellenis Ltd 2020

3.4 Accessing the Application

Once installed, the **Sellenis Printer Control software** can be accessed by double clicking the application icon, on your computer.

The application opens the *Welcome* screen with **Login** icon, Power off icon, and the option to select your preferred language from a drop down menu as depicted in the following figure:

Figure 3-1, Langauge options

You can click on any flag to choose the corresponding language. The currently supported languages are UK English, US English, Chinese, Russian, German, French, Polish, Spanish, Portuguese, Turkish, and Arabic.

Copyright © Sellenis Ltd 2020

3.4.1 Login to the Application

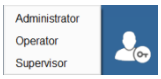
You can access the application functionalities by logging into the application. To login to the **Sellenis Printer Control software**, perform the following procedure:

3.4.2 Click the icon.

The onscreen alphanumeric keyboard is displayed.

For more details on the keyboards, refer to Onscreen Keypads section in Appendix A

If you have more than one users set up in the software, an option to select a required user is displayed as depicted in the following figure, upon clicking this icon:



3.4.3 Enter the login key in the keypad and click icon.

Important: The default login key of the Administrator account is "**1234**". It is recommended that you change this after your initial login.

You are logged in to the **Sellenis Printer Control software**.

Once logged in, the following screen is displayed.

Figure 3-2, Main start screen

Copyright © Sellenis Ltd 2020

The following are the icons present in the home screen and their respective functionalities. You can click on the hyperlink to navigate to each section:

- **Account Manager**
- **Printer Configuration**
- **Printing Process**
- **Import Files and Folders**
- **Event Log**
- **Labels, Layout, and Templates**
- **Ink Configuration**
- **Logout and Power Off**

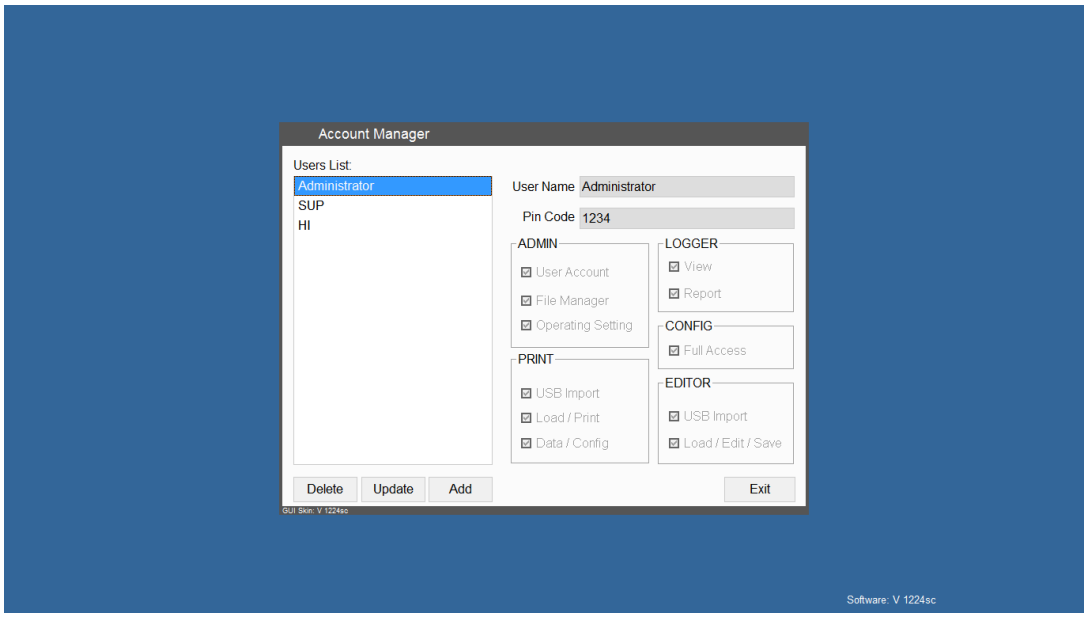
Track & Trace

Copyright © Sellenis Ltd 2020

3.5 Account Manager

The *Account Manager* section enables you control all the user accounts. Users with Administrator privileges can create new users, change users, delete users, and edit the access privileges of users.

From the *Home* screen of the **Sellenis Printer Control software**, you can click icon to access the *Account Manager* section. The *Account Manager* section is displayed as follows:



From the *Account Manager* section, you can access the following functionalities, if you have Administrator privileges:

- Adding Users
- Changing Users
- Deleting Users

3.5.1 Adding Users

From the *Account Manager* section, the Administrator add new users by entering their names, pin codes, and the privileges. To add a new user, perform the following procedure:

3.5.2 Click **Add** button

3.5.3 Click the **User Name** field.

3.5.4 The onscreen keypad is displayed.

3.5.5 Enter the name of the new user using the onscreen keypad and click icon.

The user name is displayed in the **User Name** field.

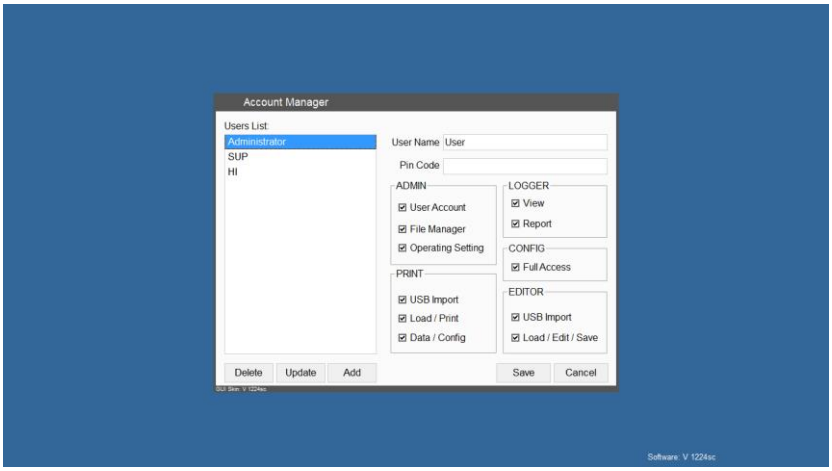
Copyright © Sellenis Ltd 2020

3.5.6 Click the **Pin Code** field.

3.5.7 The onscreen keypad is displayed.

3.5.8 Enter a pin code for the new user using the onscreen keypad and click icon.

The pin code is displayed in the **Pin Code** field.

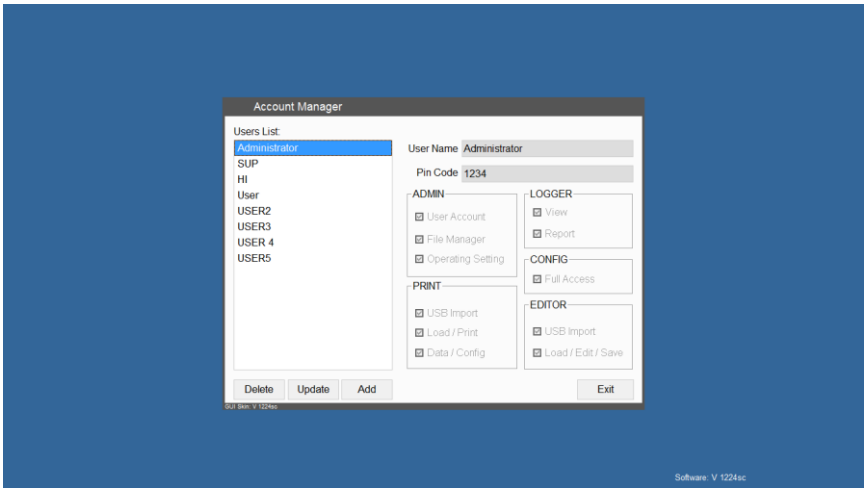


3.5.9 Select the check boxes adjacent to the user privileges in each category, which you want to assign to the new user. For more details of user privileges available in different categories, refer to User Privileges section in Appendix A

3.5.10 Click **Save** button. The new user details are now saved.

While at the *Account Manager* section, at any point of time, click **Cancel button** to go back to previous account manager screen then press **exit** button to go back to the application *Home* screen.

Figure 3-3, Account manager



Copyright © Sellenis Ltd 2020

3.6 Changing Users

Change Users option enables you to update the User Name, Pin Code, or user privileges associated with a user account. To update the details of an existing user, perform the following procedure:

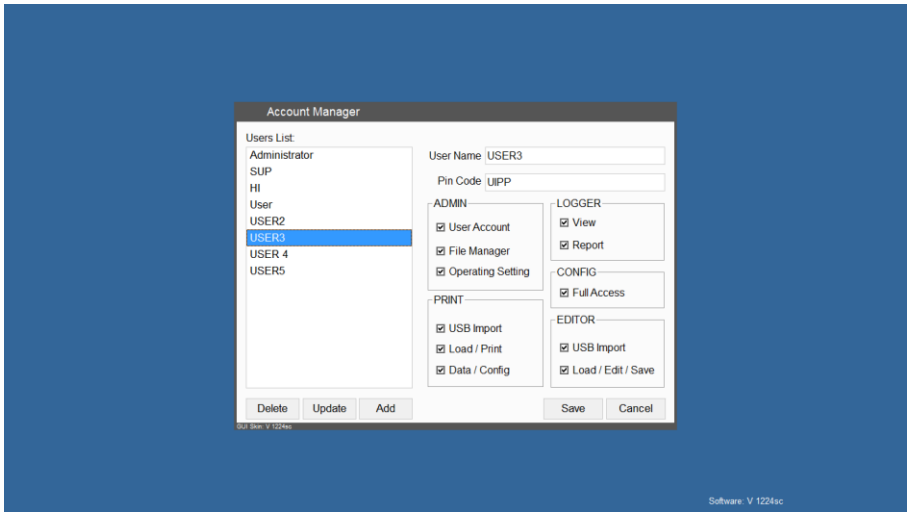
3.6.1 Click the name of the User, of which you want to update the details, from the **Users** list.

3.6.2 ***Note**: You cannot edit the Administrator details.*

3.6.3 Click **update** button to update the details of the user. You can update the User Name, Pin Code, and user privileges.

3.6.4 Click **save** button to confirm and save the changes. The user details are updated

Figure 3-4, Saving new user



While at the *Account Manager* section, at any point of time, click **Cancel button** to go back to previous account manager screen then press **exit** button to go back to the application *Home* screen.

3.7 Deleting Users

You can delete an existing user, if you no longer required the user account. To delete an existing user from the *Account Manager* section, perform the following procedure:

3.7.1 Click the name of the User, which you want to remove, from the **Users** list.

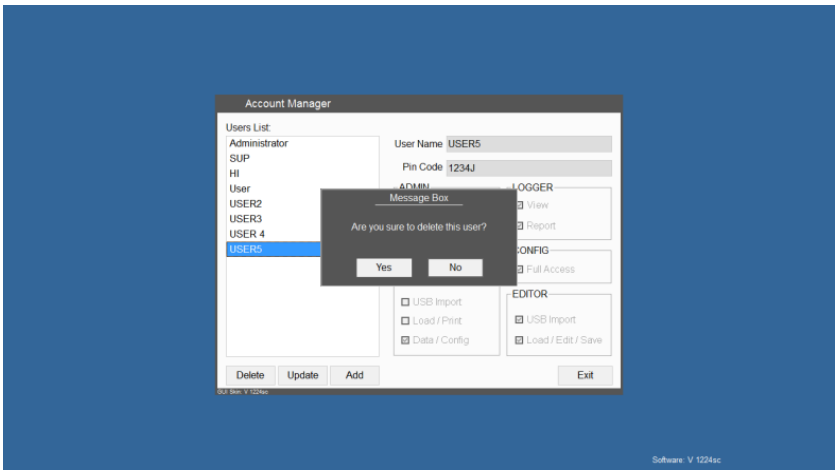
3.7.2 ***Note**: You cannot remove the Administrator user account.*

3.7.3 Click **Delete** button. A confirmation message is displayed.

Copyright © Sellenis Ltd 2020

Warning: Deleting a user account removes all the information associated with the user. This action is irreversible.

Figure 3-5, Deleting users



Click **Yes** button. The selected user account is removed.

While at the *Account Manager* section, at any point of time, click **Cancel button** to go back to previous account manager screen then press **exit** button to go back to the application *Home* screen.

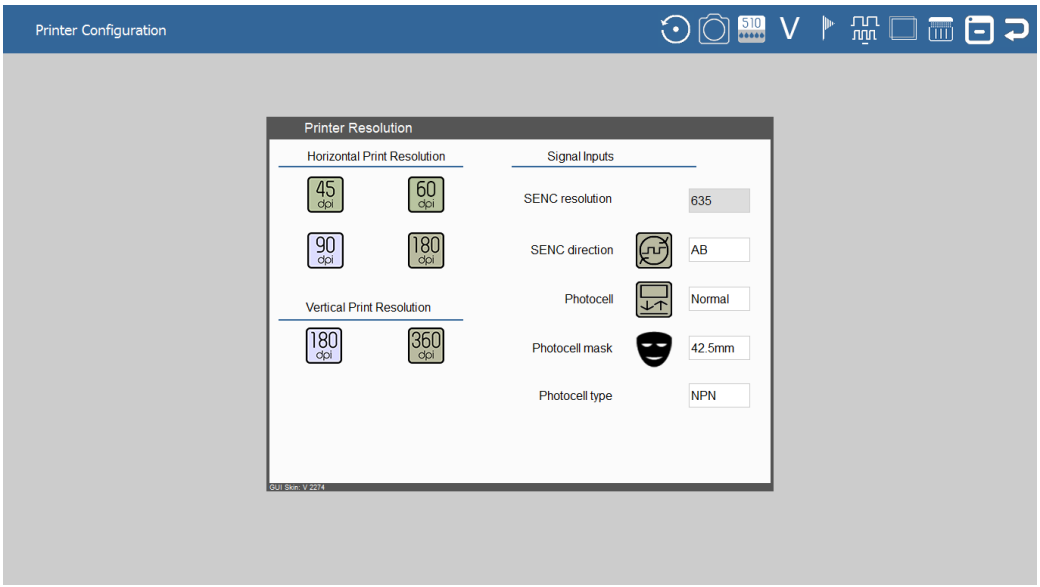
Copyright © Sellenis Ltd 2020

3.8 Printer Configuration

The Printer Configuration section enables you to manage the printheads, creates the groups, sets the printer resolution, manages the printing modes settings, and presets the group print offset, and so on. When the printing process is initiated, the printer hardware performs according to the instructions you have updated in this section. Therefore, this section completely handles the hardware operation.

From the *Home* screen of the **Sellenis Printer Control software**, you can click icon to access the *Printer Configuration* section. The *Printer Configuration* section is displayed as follows:

Figure 3-6



From the *Printer Configuration* screen, you can access the following functionalities:

- Group Combinations
- Firing Voltage
- Print and Verify
- Group Print Offsets
- Printer Resolution Settings
- Simulator Settings
- Printing Mode Setting
- Printhead Purge Settings

Copyright © Sellenis Ltd 2020

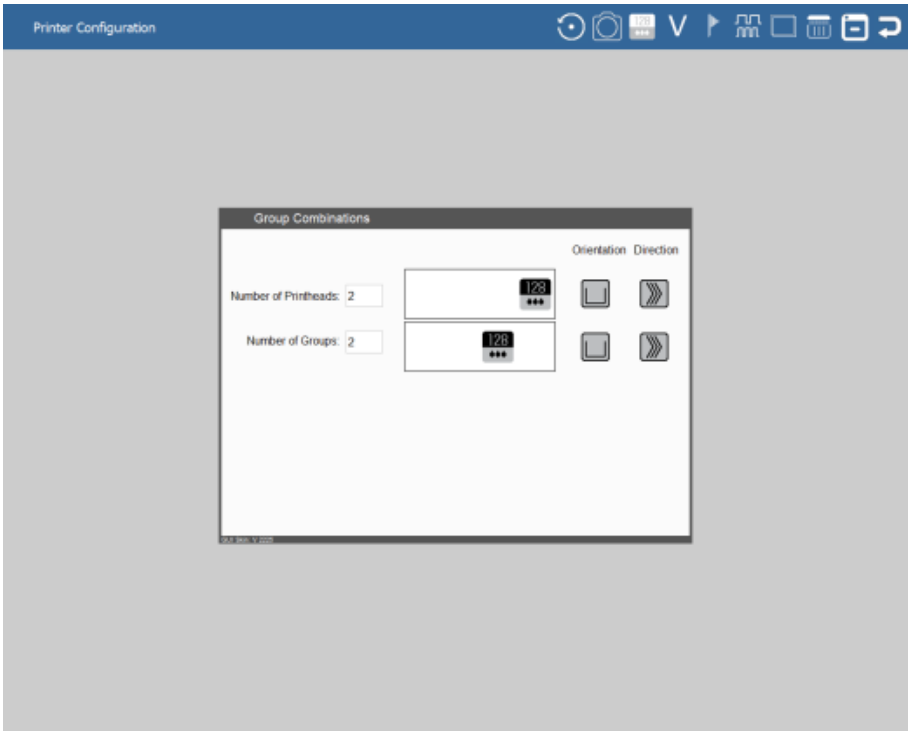
3.9 Printhead Configurations

The current Sellenis **S-Jet 700 series printer** software supports two types of printheads. These are

- The Seiko 510 piezo DOD prints images up to 74 mm high
- The Xaar 128 piezo DOD prints images up to 17.5 mm high

The Sellenis S-Jet 700 series is able to run 1 or 2 off 510 or 1 or 2 off 128 printheads as the same time. When running 2 printheads, these have to be on the same production line running off the same shaft encoder and the same photocell. Therefore, the orientation of the conveyor for both printheads must be set the same for both printheads as shown in the following screen.

Figure 3-7



Copyright © Sellenis Ltd 2020

4.0 PRINT ORIENTATION

4.1.1 Click icon or icon to toggle the print orientation between **Normal** and **Inverted**.

4.1.2 The default orientation is (normal).

4.1.3 The orientation selection is available for each group (if more than one group if the current version of software supports more than one group).

4.1.4 Click icon or icon to toggle the substrate/conveyor belt direction between **Left to Right** and **Right to Left**.

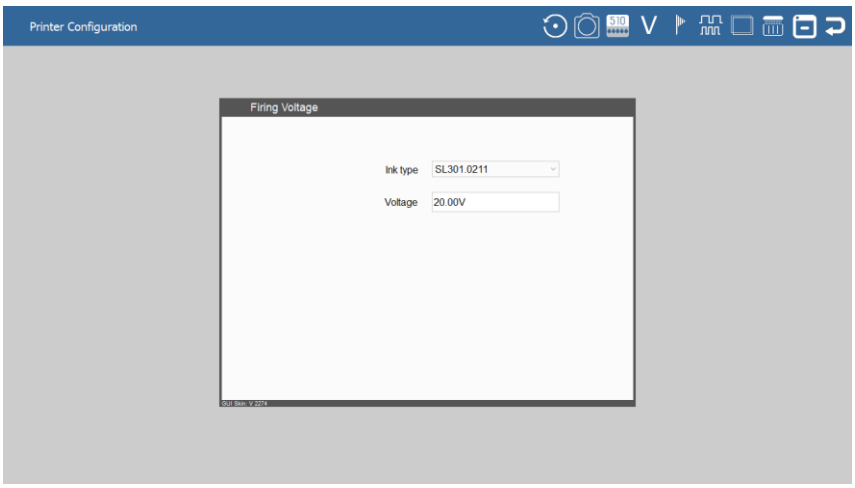
4.1.5 The default direction is (left to right).

4.1.6 The direction selection is available for each group you have created.

4.1.7 Firing Voltage

You can pre-set the Firing Voltage to be used for the printing process, from the *Print Configuration* section. You can access the Firing Voltage section by clicking the icon from the *Print Configuration* header bar. Upon clicking this icon, the *Firing Voltage* section is displayed:

Figure 4-1



Copyright © Sellenis Ltd 2020

The default firing voltage is automatically set at 28 volts. You can update this value to suit your printing darkness or depending on the type of ink being used by performing the following procedure:

4.1.8 Click the text field adjacent to the **Voltage** field and enter the required voltage using numeric keypad.

4.1.9 Click the text field adjacent to the **Ink Type** field and select the type of ink in use using the alphanumeric keypad.

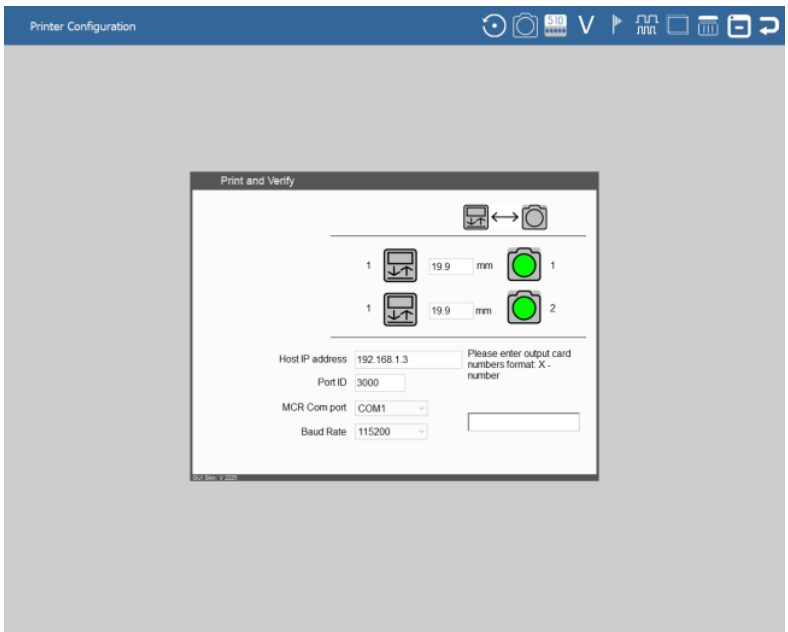
4.1.10 To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keyboard section in Appendix A

4.2 Print, Read, Match & Verify

The **S-Jet 700 series** printers come with the necessary software and hardware to integrate with Camera Vision Systems, external Serial devices such as Barcode Scanners, Weigh scales, magnetic strip readers, or other Serial devices. Camera Vision system enables you to perform Read-Match-Print-Verify functions of OCR, OCV, 1D, and 2D barcodes. These also help with the coding of products for the purpose of implementing Track and Trace and print error prevention applications.

The *Print and Verify* section of the **Sellenis Printer Control software** enables you to control up to two cameras and their associated functions. You can access the *Print and Verify* section of the **Sellenis Printer Control software** by clicking the icon from the *Print Configuration* header bar. On this screen you can also enable the warning light or lampstack. The *Print and Verify* section is displayed as follows:

Figure 4-2



Copyright © Sellenis Ltd 2020

You can control the Cameral Vision System, from the *Print and Verify* section, by performing the following procedure:

4.2.1 Click the icon to select a camera.

4.2.2 Once selected, the icon turns green ( ). You can click this icon again to deselect it.

4.2.3 Click the text field adjacent to the (photocell) icon to enter the distance between the photocell and the camera using a numeric keypad.

4.2.4 Photocell detects the product on the conveyer and directs the printer, when to start printing. This distance is measured in millimeters (mm).

4.2.5 Click the text box adjacent to the **Host IP address** field to enter the IP address of the host using an alphanumeric keyboard.

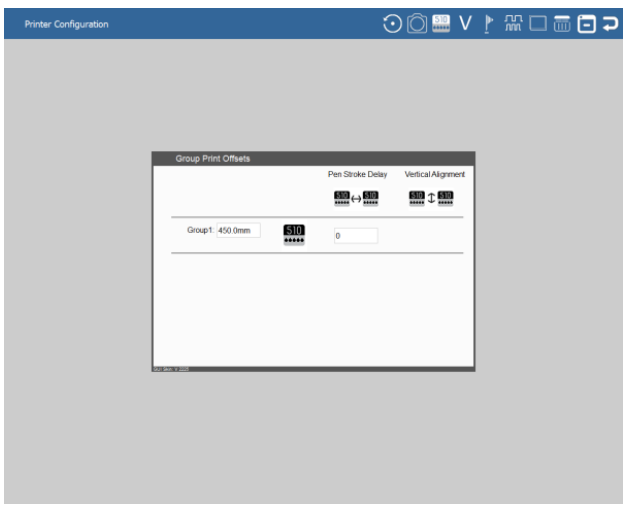
To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

4.3 Printhead Offsets- Print Delays

The *Printead Offsets* or print delays section enables the user to set the distance from the photocell to the desired position where the printing is required to start. It also enables the user to align the print from two printheads when the printer is configured with two printheads. The **S-Jet 700 series** printers support horizontal and vertical alignment.

You can access the Printhead *Offsets or print delay setting screens* of the **Sellenis Printer Control software** by clicking the icon from the *Print Configuration* header bar. The Printhead *Offset(s) settings are* displayed as follows:

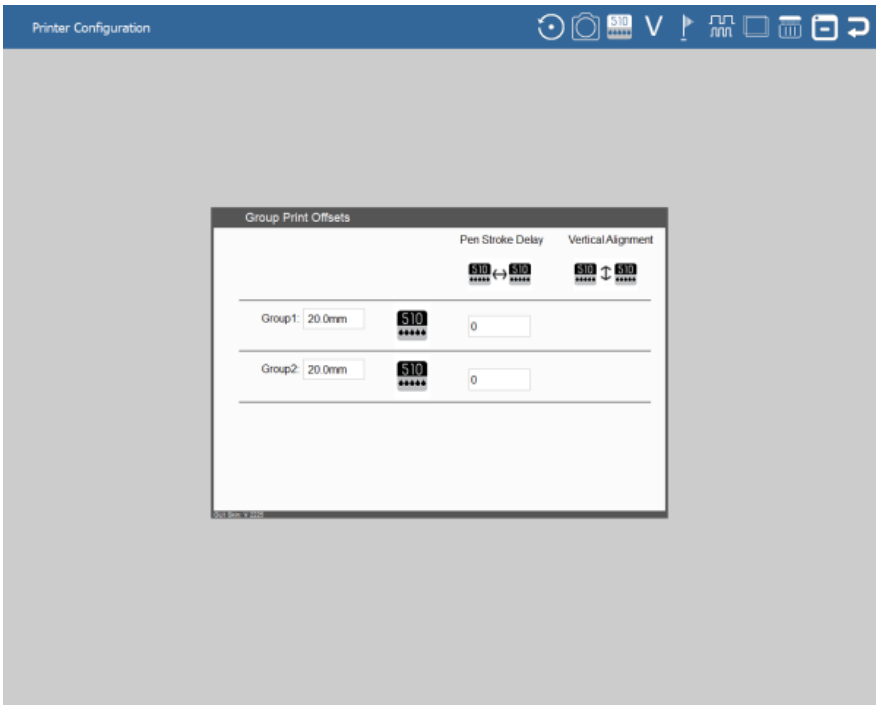
Figure 4-3



Copyright © Sellenis Ltd 2020

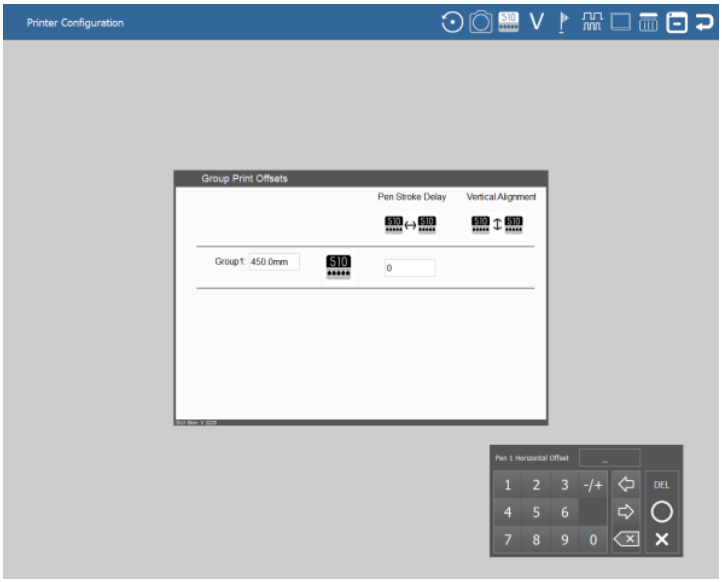
The S-Jet 700 allows the use of up to two groups of one printhead each. For more information, refer to *Printhead Combinations* section. If you have configured the printer for two printheads then one printhead is assigned to each group using Grouping Options, the *Print Offsets* section is displayed as follows:

Figure 4-4



4.4 Setup the Print Position

To set up the print position, simply enter the distance from the photocell to the desired printhead position (to the printhead) by clicking on the space adjacent to the Group1 field



Copyright © Sellenis Ltd 2020

4.4.1 In the case of two printheds, the user can setup the print position of each Printhead by performing the following procedure:

4.4.2 Click the text field adjacent to the Group1 field.

4.4.3 The numeric keypad is displayed.

4.4.4 Enter the required delay distance in millimeters, from photocell detector to print start position.

4.4.5 This allows you to position the start of the printing on the required place on the product.

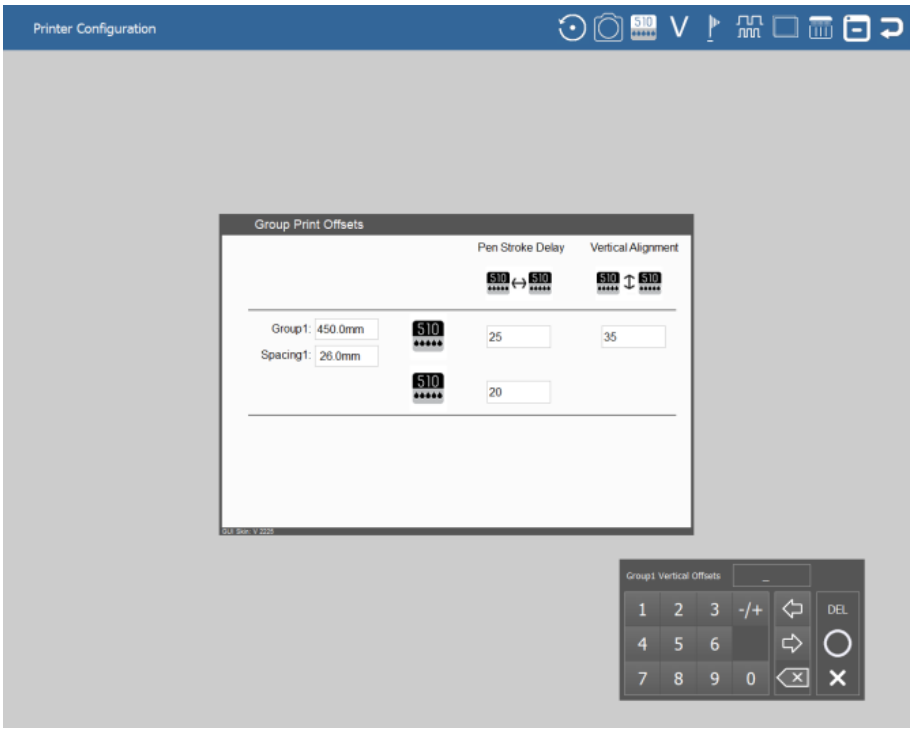
4.4.6 Click the text field adjacent to the Spacing1 field.

4.4.7 The numeric keypad is displayed.

4.4.8 Enter the required spacing between the two printheads.

4.4.9 ***Note**: The default spacing is set to 75 mm*.

Figure 4-5



To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in

Copyright © Sellenis Ltd 2020

4.5 Setup Printhead Stroke Delay (Horizontal Print Stitching/Alignment)

The Printhead Stroke Delay (horizontal print stitching/alignment) is an electronic horizontal alignment between the two printheads. To setup a printhead stroke delay, perform the following procedure:

- Click the text field adjacent to the printhead name, under Stroke Delay.
- The numeric keypad is displayed.
- Enter the print delay between the two printheads, in pixels.
- This ensures that the prints from all the two printheads are properly aligned to form a single continuous label or image.

To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

4.6 Setup Vertical Alignment

The Vertical Alignment is the electronic vertical alignment between two printheads. To setup the vertical alignment, perform the following procedure:

4.6.1 Click the text field adjacent to the printheads name, under Vertical Alignment. The numeric keypad is displayed.

4.6.2 Enter the vertical overlap or underlap between prints from the neighbouring printhead. This will minimize or eliminates dark or white lines printed in the output between the prints from the two printheads.

***Note**: The vertical alignment is applicable, only if you have two printheads present.*

To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

Copyright © Sellenis Ltd 2020

4.7 Printer Resolution Settings

The *Printer Resolution Settings* section enables you to control the horizontal and vertical print resolutions along with the options to firing voltage and signal inputs. You can access the *Printer Resolution Settings* section by clicking the icon from the *Print Configuration* header bar. The *Printer Resolution Settings* section is displayed as follows:

Figure 4-6, printer configuration

From the *Printer Resolution Settings* section, you can perform the following:

4.7.1 Click and select the **Horizontal Print Resolution**. The available options are 45 dpi, 60 dpi, 90 dpi, and 180 dpi.

4.7.2 Click and select the **Vertical Print Resolution**. The available options are 180 dpi and 360 dpi.

4.7.3 The number set in the space adjacent to the **SENC (Shaft Encoder) Resolution** field is fixed and is it is displayed for information only. It indicates that the selected shaft encoder and associated friction wheel need to provide 635 pulses per inch.

4.7.4 Click on the icon or the text field adjacent to the **SENC Direction** field to toggle the SENC direction as **AB** and **BA**.

4.7.5 Click on the icon or the text field adjacent to the **Photocell** field to toggle the photocell as **Normal or Inverted.**

4.7.6 Click text field adjacent to the **Photocell Mask** field.

4.7.7 The Numeric keypad is enabled.

Copyright © Sellenis Ltd 2020

4.7.8 Enter the required Photocell Mask value in millimeters.

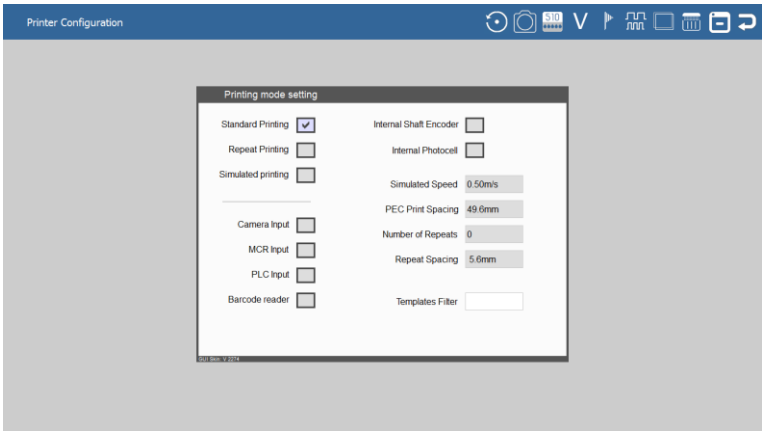
To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

4.8 Printing Mode Settings

The Printing Mode Setting section enables you to select the mode of printing from the list of options.

You can access the Printing Mode Setting section by clicking icon from the *Print Configuration* header bar. Upon clicking this icon, the Printing Mode Setting section is displayed as follows:

Figure 4-7



Click the required printing mode by selecting the check box adjacent to the required print mode. The available options are the following:

- Standard Printing
- Repeat Printing
- Simulated Printing
- Camera Input
- MCR Input
- PLC Input

4.8.1 Select the check box adjacent to the **Internal Shaft Encoder** field to select the internal shaft encoder.

4.8.2 Select the check box adjacent to the **Internal Photocell** field to select the internal photocell.

4.8.3 Click the text field adjacent to the **Simulated Speed** field and enter the required simulated speed in milliseconds using the numeric keypad.

Click the text field adjacent to the **PEC Print Spacing** field and enter the required simulated speed in millimeters using the numeric keypad.

***Note**: This option is enabled, only if you have selected Simulated Printing as the printing mode.*

Copyright © Sellenis Ltd 2020

Click the text field adjacent to the **Number of Repeats** field and enter the required number of times you want to repeat the printing operation, using the numeric keypad.

***Note**: This option is enabled, only if you have selected Repeated Printing as the printing mode.*

Click the text field adjacent to the **Repeat Spacing** field and enter the required repeat spacing in millimeters using the numeric keypad.

Important: The value of Print Spacing must be higher than the length or the print extent or print width of the template/label/image to be printed

Note: This option is enabled, only if you have selected Repeated Printing as the printing mode.

To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

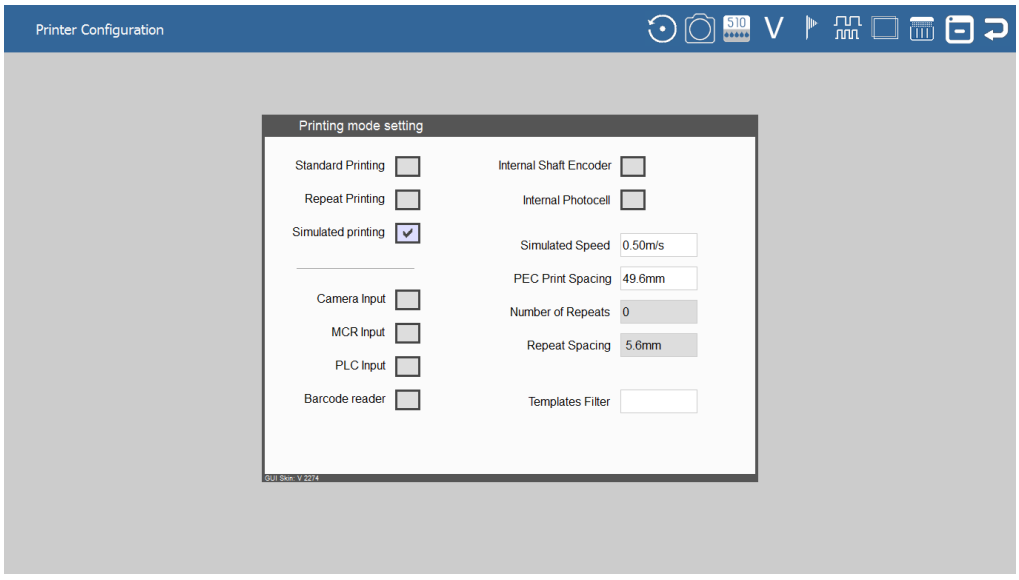
4.9 Simulated Printing

Simulated Printing setting in the **Sellenis Printer Control software** enables you to set the print without the aid of a physical shaft encoder or photocell. By selecting Simulated Printing mode, the printer uses its own electronically generated inputs to provide continuous and constant speed printing.

***Warning**: When printing using external photocell inputs, you should not select Simulated printing mode*.

You can access *Simulated Printing mode* by clicking the icon from the *Print Configuration* header bar. The various printing modes are as set out in the following configuration screen:

Figure 4-8



Copyright © Sellenis Ltd 2020

To select simulated printing, perform the following procedure:

Check THE box adjacent to the **Simulated printing** field.

***Note**: The **Simulated Speed** and **Print Spacing** fields are enabled, only if you have selected Simulated Printing mode.*

4.9.1 Click the text field adjacent to the **Simulated Speed** field. The numeric keypad is displayed.

4.9.2 Enter the required print speed in meter/second.

4.9.3 Click the text field adjacent to the **Print Spacing** field. The numeric keypad is displayed.

4.9.4 Enter the required print spacing (or simulated product spacing) in millimeters.

Important: The value of Print Spacing must be higher than the length or the print extent or print width of the template/label/image to be printed and the value of the Photocell Mask.

To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

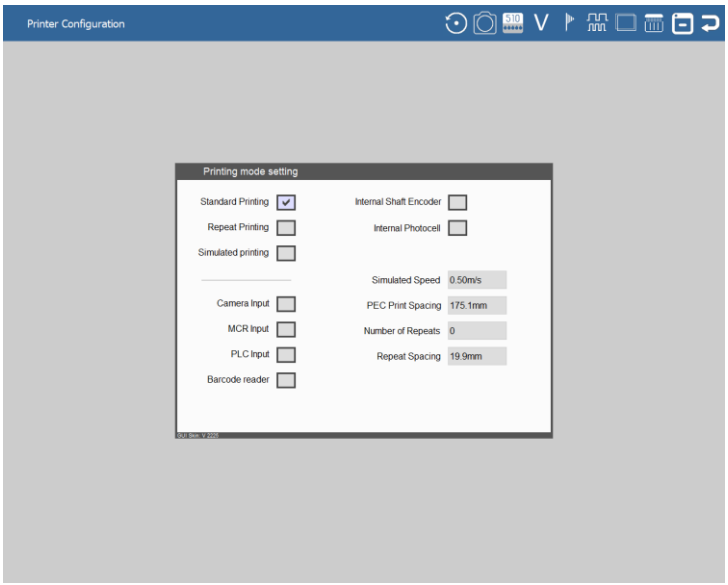
4.10 Standard Printing Settings

Standard Printing is normally selected when printing on a live production line using external actual shaft encode and product sensor. In this configuration, the printing speed is set detected and set automatically by the external shaft encoder.

In standard printing mode, the distance (offset) between the product sensor (photocell) and the first printhead needs to be set in the configuration screen,

The Photocell mask must also be set and it is recommended that if not set to a value that is less than the average product spacing on the conveyor

Figure 4-9

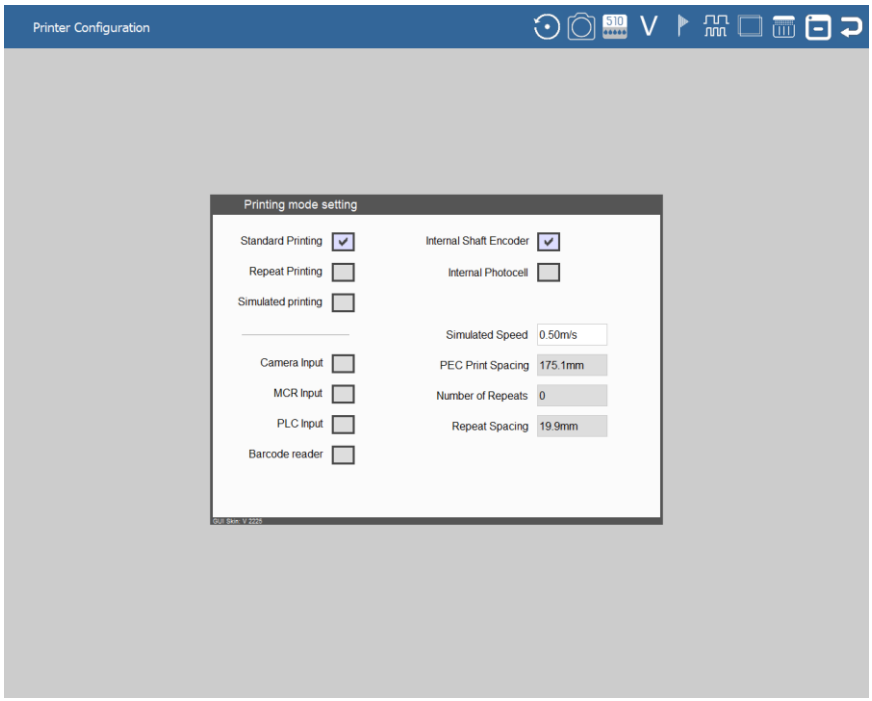


Copyright © Sellenis Ltd 2020

4.11 Standard Printing Mode (with internal shaft encoder)

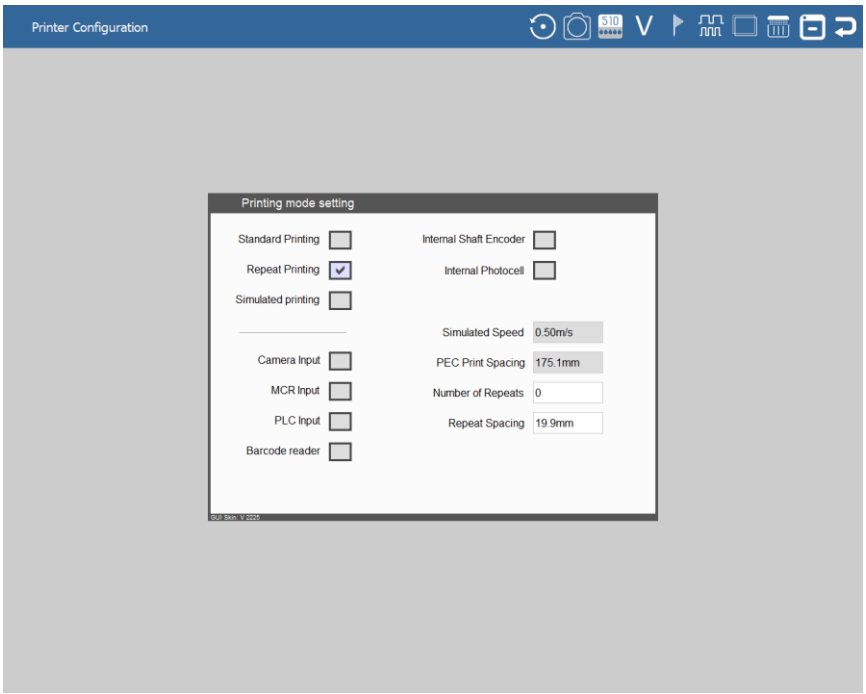
Select this mode of printing only if the production line (conveyor belt) speed is constant. In this case, the print speed of the conveyor needs to be measured and set manually on the configuration screen.

Figure 4-10, Printing mode setting



4.12 Repeat Printing Settings

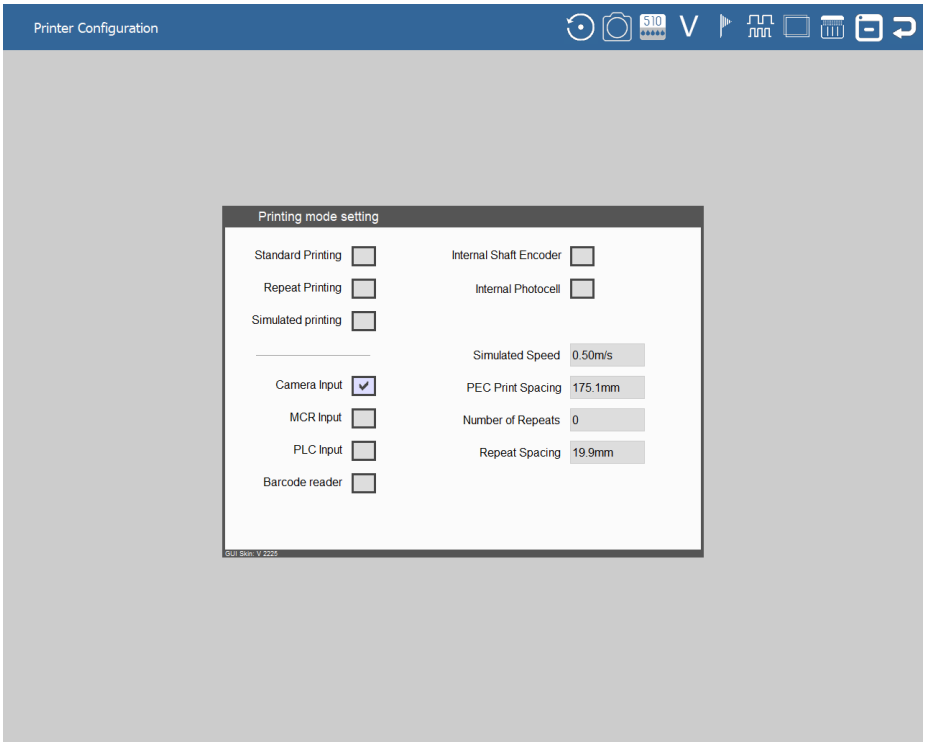
Figure 4-11, Repeat printing



Copyright © Sellenis Ltd 2020

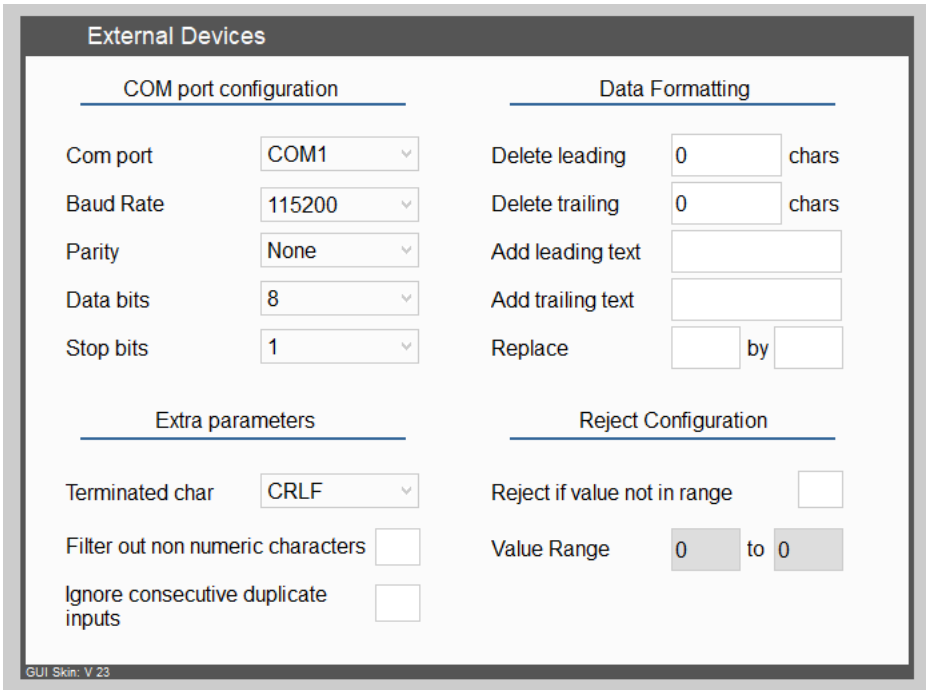
4.13 Track & trace printing mode (refer to separate instruction manual)

Figure 4-12, Camera input



4.14 External Serial Devices Printing Mode (see separate instruction manual)

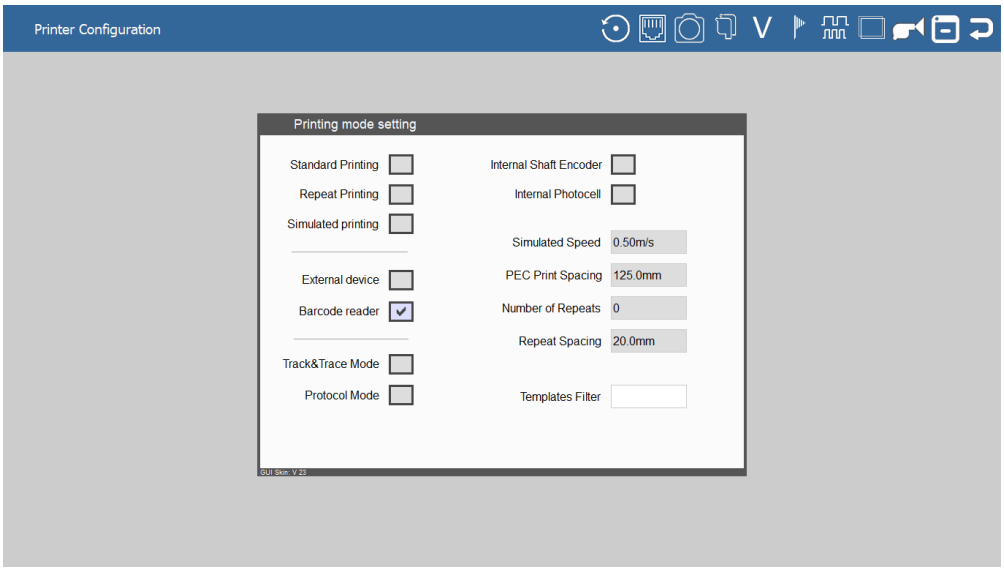
Figure 4-13, External device settings



Copyright © Sellenis Ltd 2020

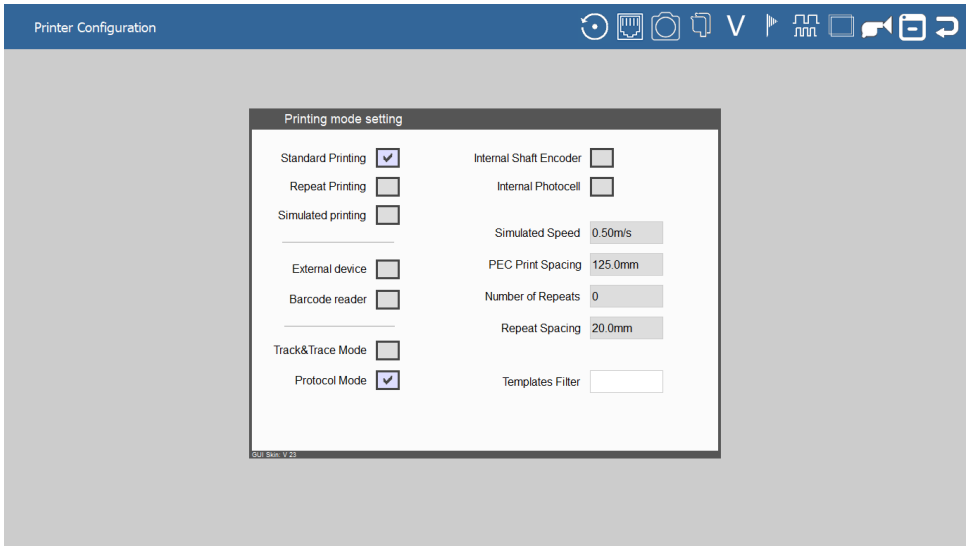
4.15 Barcode reader error free data entry (see separate instruction manual)

Figure 4-14



4.16 Protocol Mode (see separate instruction manual)

Figure 4-15

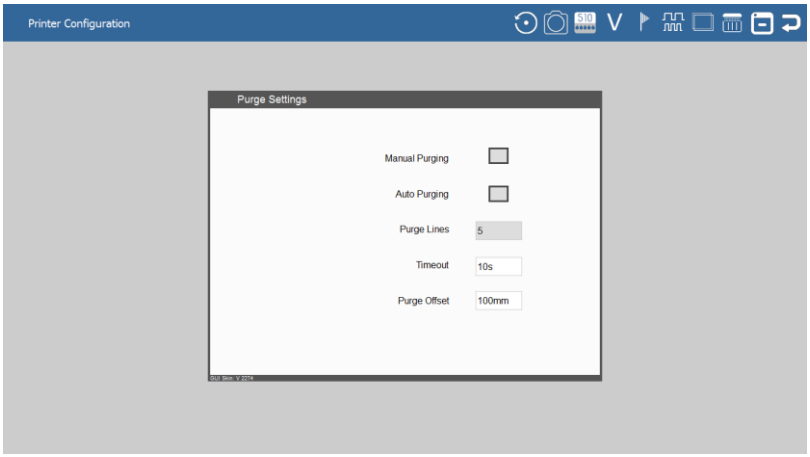


Copyright © Sellenis Ltd 2020

4.17 Printhead Purge Settings

Purging helps you to clear the Printhead nozzles and prevents the ink from drying and creating nozzle blockage (s). You can access the Printhead *Purge Settings* section by clicking the icon from the *Print Configuration* header bar. The *Purge Settings* section is displayed as follows:

Figure 4-16



You have the option to select either Manual Purging or Auto Purging differently for all the printheads. To set the purging options perform the following procedure:

4.17.1 Select the checkbox adjacent to the **Manual Purging** field, if you want the purging to be initiated by a user.

4.17.2 Select the checkbox adjacent to the **Auto Purging** field, if you want the printer to perform purging automatically before the printing process initiates.

4.17.3 Click the text field adjacent to the **Purge Line** field and enter the required purge line using the numeric keypad. You can enter the purge lines differently for the printheads.

***Note**: The Purge Line value should be between 1 and 16.*

4.17.4 Click the text field adjacent to the **Timeout** field and enter the required timeout using the numeric keypad. You can enter the timeout differently for the printheads.

***Note**: The timeout value should be between 1 and 255.*

4.17.5 Click the text field adjacent to the **Purge Offset** field and enter the required purge offset value in millimeters using the numeric keypad. You can enter the purge offset differently for the printheads.

To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

Copyright © Sellenis Ltd 2020

Additionally, from the *Printer Configuration* screen, you can perform the following actions:

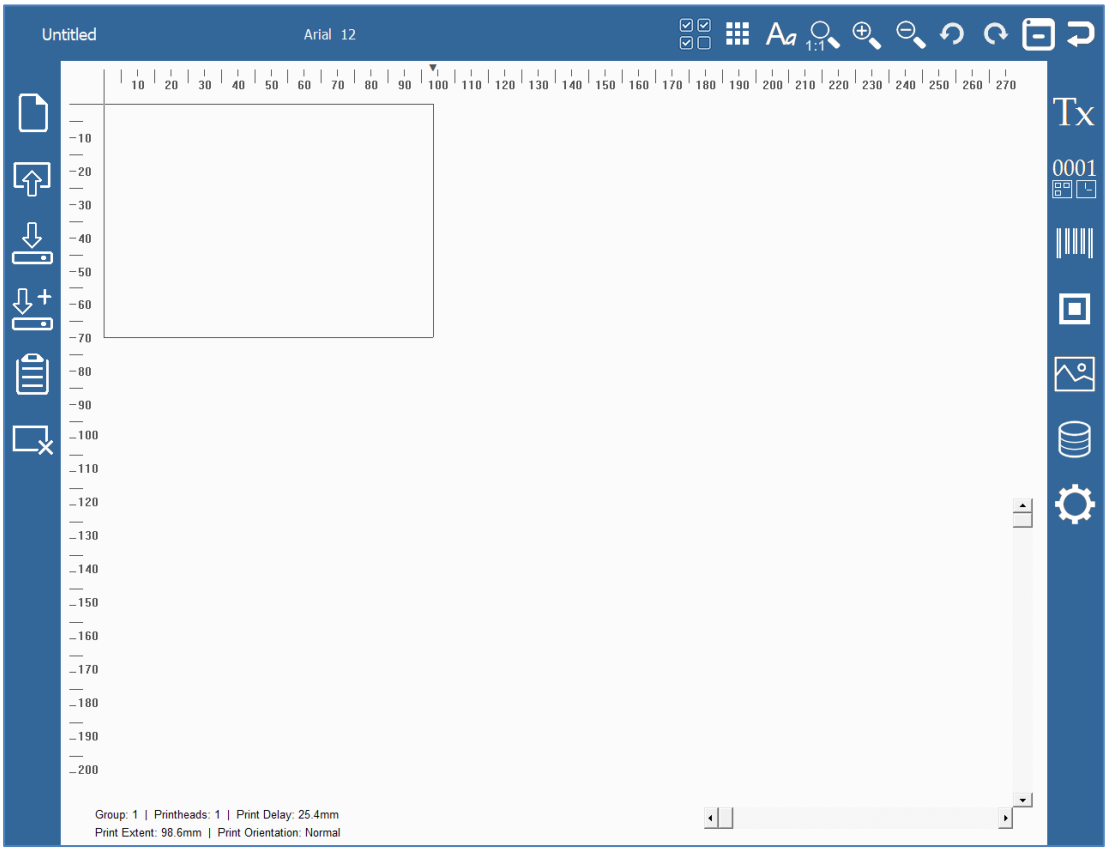
- Click icon to go back to the **Sellenis Printer Control software** *Home* window.
- Click icon to minimize the software window.
- Click icon to restore factory settings.

4.18 Labels, Layouts and Templates

The Labels, Layout, and Templates section enables you to create labels, edit labels, save, save as, delete fields in a label and upload labels. You can also select the layout, include text, barcodes, QR codes, and so on, from this section.

From the *Home* screen of the **Sellenis Printer Control software**, you can click icon to access the *Labels, Layout, and Templates* section. The *Labels, Layout, and Templates* section is displayed as follows:

Figure 4-17



Copyright © Sellenis Ltd 2020

From the Labels, Layout, and Templates section, you can access the following functionalities:

- Creating a New Template
- Uploading an Existing template
- Editing an Existing Template
- Setting Template Properties
- Deleting Elements in a Template
- Additional Options

Copyright © Sellenis Ltd 2020

The functions of the template editor Icons are as in the following table:

Table 4-1, Template icons

	New template
	Upload template from list of saved templates
	Save template
	Save as (template)
	Template properties
	Delete selected element of a template
	Add texts
	Add counters; date & time; shift codes; user codes; external input devices; databases
	Add 1D barcodes
	Add 2D barcodes
	Add images
	Edit selected element or field of a template
	Template field justification
	Select font properties
	Zoom to 100%
	Plus zoom
	Minus zoom
	Clockwise rotation
	Anti-clockwise rotation
	Load database

Copyright © Sellenis Ltd 2020

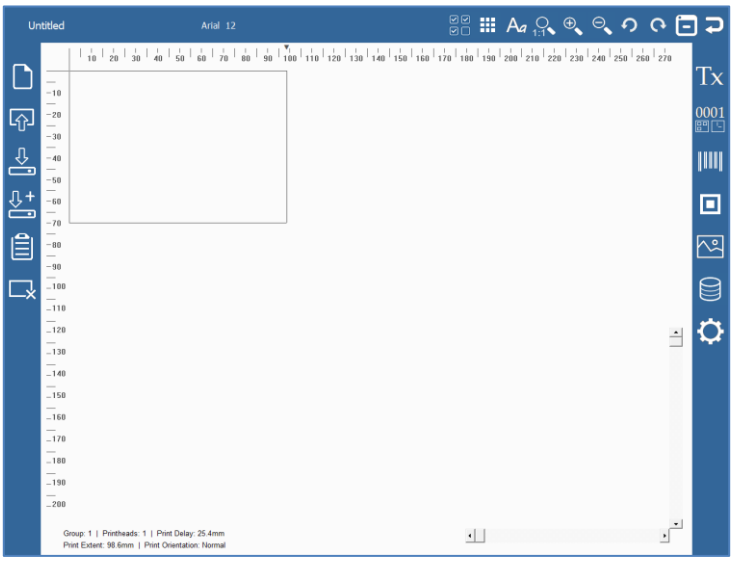
4.19 Creating a New Template

From the *Labels, Layout, and Templates* section, you can create new templates. The size and layout of the template is completely dependent on the type and number of printheads selected,

For example:

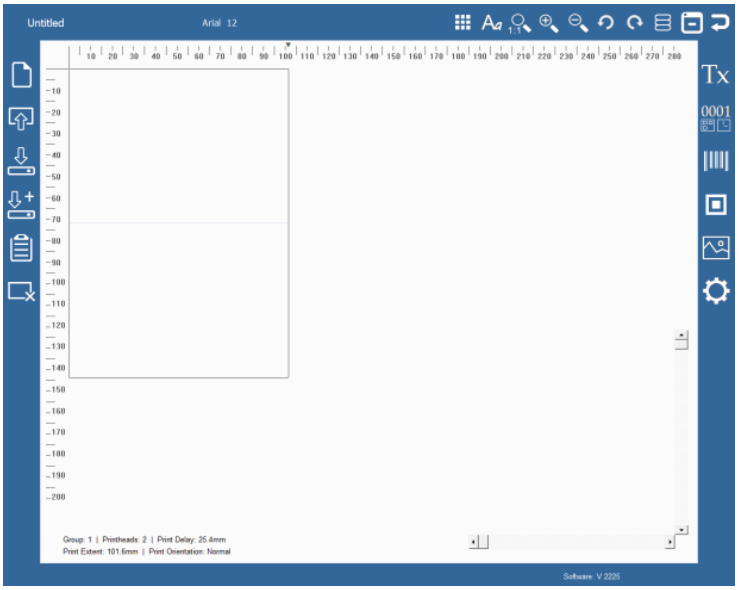
If one 510 printhead is selected , the template will be as follows:

Figure 4-18



If two off Seiko 510 printheads are selected the template will be as follows:

Figure 4-19



Copyright © Sellenis Ltd 2020

The height of the template in the case of two printheads is 144 mm. However, each printhead can print one label/one template. The length of the template can be set by clicking on the desired length of the top ruler shown above.

4.20 Adding Text Data

Adding text data helps you to include any text in the template, by presetting the font size, margins, and other text effects. To enter the text data, perform the following procedure:

4.20.1 Click the icon on the right margin of the *Labels, Layout, and Templates* section. The alphanumeric keypad is displayed.

4.20.2 Enter the required text using the keypad.

4.20.3 The text is displayed in the template. You can use your mouse to click and place the text field in the required position.

4.20.4 Select the text field and click the icon to update the font, font size, margins and borders at top, bottom, left, and right, bold, italicize, underline, superscript, or subscript. For more information, refer to Updating Font Information section in Appendix A

Copyright © Sellenis Ltd 2020

4.21 Adding Date & Time Stamps

A Date & Time stamp helps you to enter any type of Date & time information in the template. This can be the manufacturing date, expiry date, and so on.

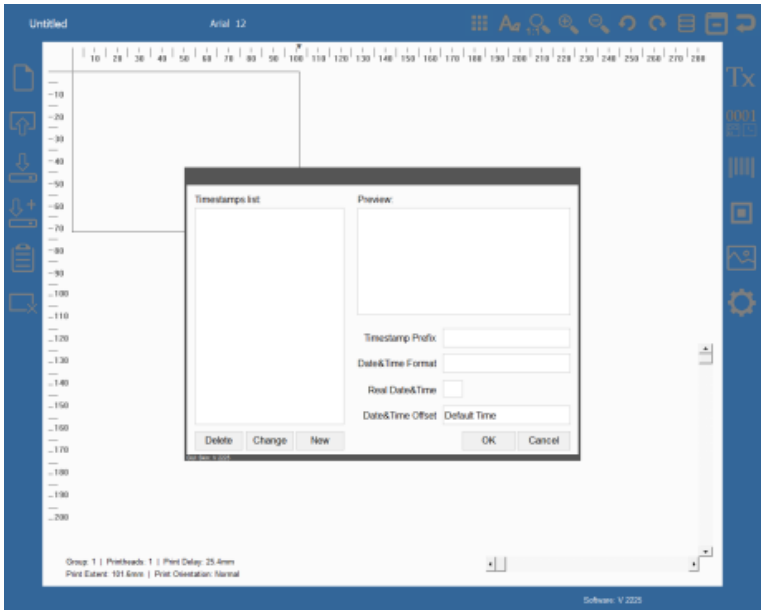
You can add a new date & time stamp by performing the following procedure:

4.21.1 Click the

icon on the right margin of the *Labels, Layout, and Templates* section and click **Add Time Stamps**.

4.21.2 The *Creating Time Stamps screen* is displayed as follows:

Figure 4-20

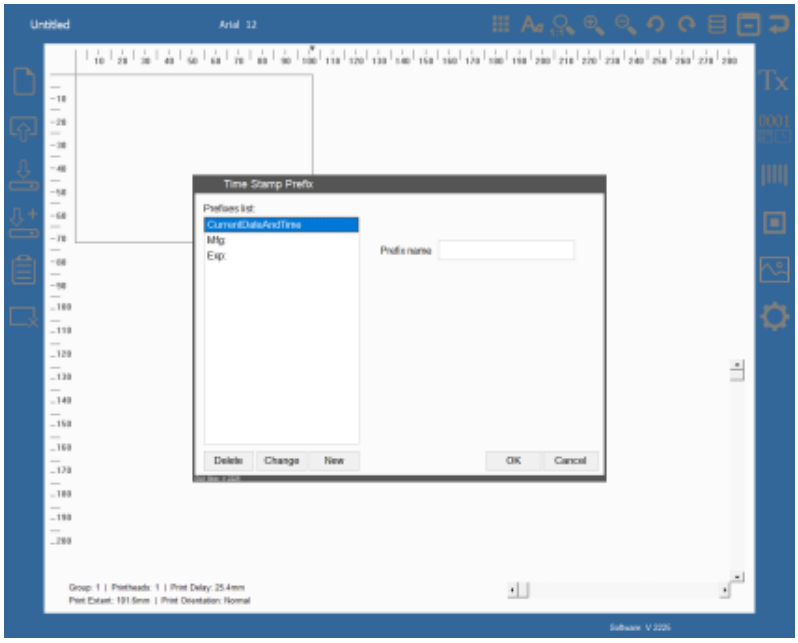


4.21.3 You can set Default Time or Current Time from this section. Select the required option by clicking on it.

4.21.4 Click the **Timestamp Prefix** field (or space), the following screen is displayed. Here you can either select a timestamp prefix displayed on the prefix list such as “Mfg” or “Exp” or you can create a new prefix or create timestamps without prefix.

Copyright © Sellenis Ltd 2020

Figure 4-21



To create a new prefix click the text field adjacent to the **Prefix Name** field and enter the prefix name using the alphanumeric keypad.

4.21.5 Click **New** button. The new prefix is saved and displayed in the Prefixes List.

4.21.6 Form the *Prefixes List* section, you can select an existing prefix and perform the following:

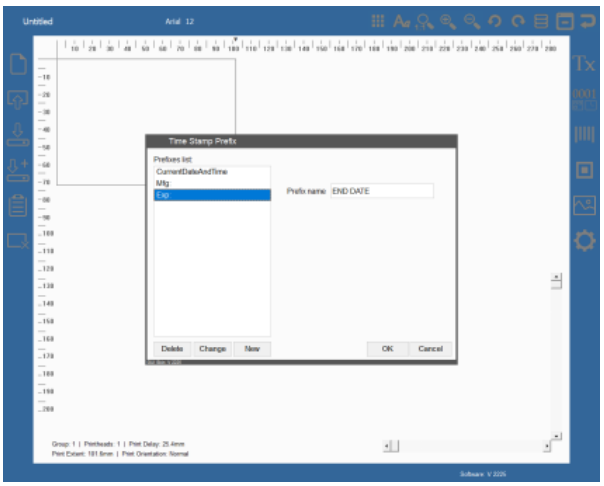
4.21.7 Edit the values and click **Change** button to update the prefix information.

4.21.8 Click **Delete** button to remove the prefix.

***Note**: You cannot change or remove the default prefixes.*

Click **OK** button.

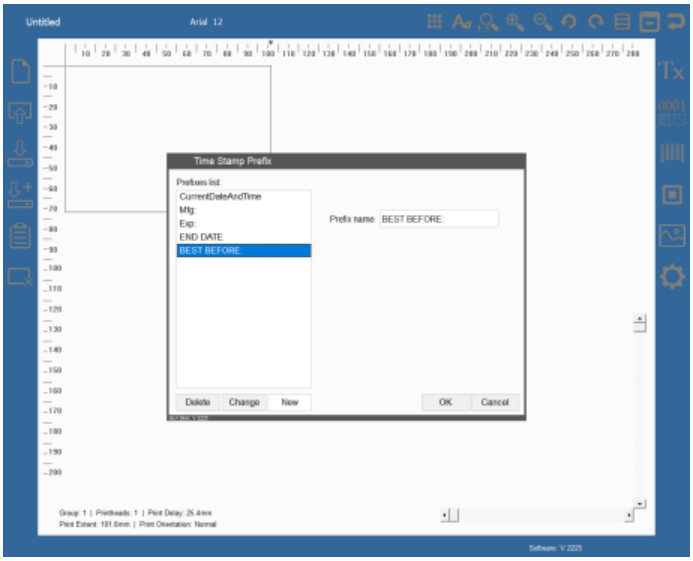
Figure 4-22



Copyright © Sellenis Ltd 2020

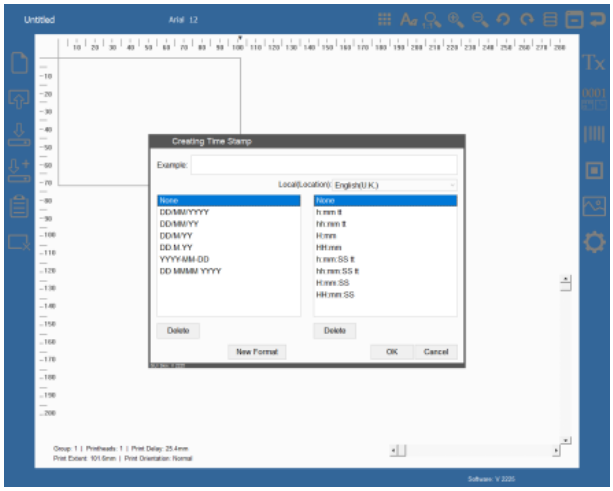
4.21.9 To create a timestamp with a prefix highlight the required prefix from the prefix list for example Mfg: then press OK. The following screen is displayed

Figure 4-23



4.21.10 Now press **Date & Time format.** The default date and time format are displayed. Select the desired date and time format from the list then press OK.

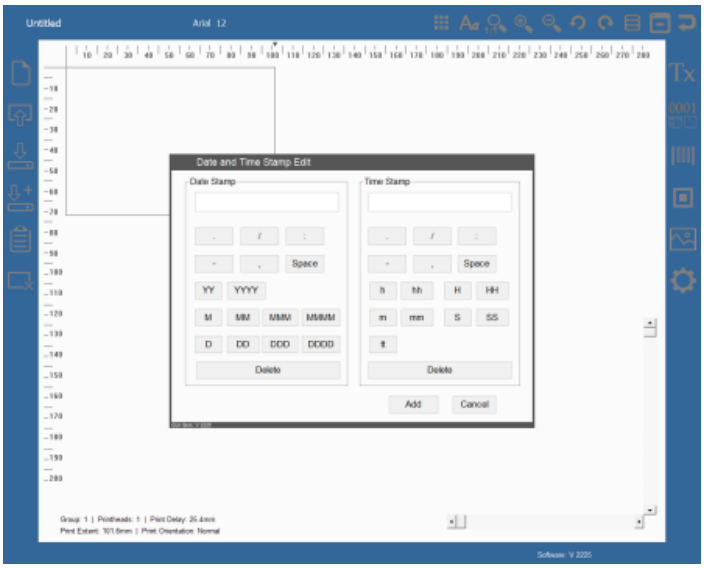
Figure 4-24



Copyright © Sellenis Ltd 2020

4.21.11 Alternatively, create your own desired Date & Time format by pressing the New Format button. The following screen will be displayed. Now create your own date and time format then press **Add** button

Figure 4-25



4.22 Date and Time Stamp Edit section

4.22.1 Select the Day format from the list of available formats such as D, DD, DDD, or DDDD.

4.22.2 Select the Month format from the list of available formats such as M, MM, MMM, or MMMM.

4.22.3 Select the Year format from the list of available formats such as YY or YYYY

4.22.4 Use ., /, :, -, ,, or space as the separator.

4.22.5 Select the Hour format from the list of available formats such as h, hh, H, or HH.

4.22.6 Select the Minute format from the list of available formats such as m or mm.

4.22.7 Select the Second format from the list of available formats such as S or SS.

4.22.8 Use ., /, :, -, ,, or space as the separator.

4.22.9 You can also use the Delete button to clear the format field during definition.

4.22.10 Click **Add** button to save the format.

4.22.11 Click and select the required time format from the list of available values.

4.22.12 You can review the output from the **Example** field.

4.22.13 Click **New** button. The alphanumeric keypad is displayed.

Copyright © Sellenis Ltd 2020

4.22.14 Enter the name of the new time stamp.

4.22.15 Click **OK** button to save the details and exit from *Creating Time Stamp* section.

4.22.16 From *Creating Time Stamp* section, you can also select an existing time stamp and click **Delete** button to remove the same.

***Note**: You cannot remove the default time stamps.*

4.22.17 To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

4.22.18 Once you have created the desired Date & Time Format, select whether you want these Date and time stamps to be fixed or **Real Date & Time.** If you require these dates and time stamps to be real time then you need to thick the box next to ***Real Date & Time*.**

4.22.19 To set date and time offset between 2 sets of date and time stamps, click on the **Date & Time Offset** field then Select the **Offset** value from the drop down list. The available values are **After** and **Before**.

4.22.20 Select the required values for **Years**, **Months**, **Days**, **Hours**, **Minutes**, and **Seconds** from the respective drop down lists.

4.22.21 Click **New** button. A new clock with the selected values is created and is displayed.

4.22.22 Click **OK** button to save the changes and exit from the *Creating Clock* section.

4.22.23 You can also select an existing clock and click **Delete** button to remove the same form the list. You cannot remove the Default Clock.

Copyright © Sellenis Ltd 2020

4.23 Adding Numeric Serializer

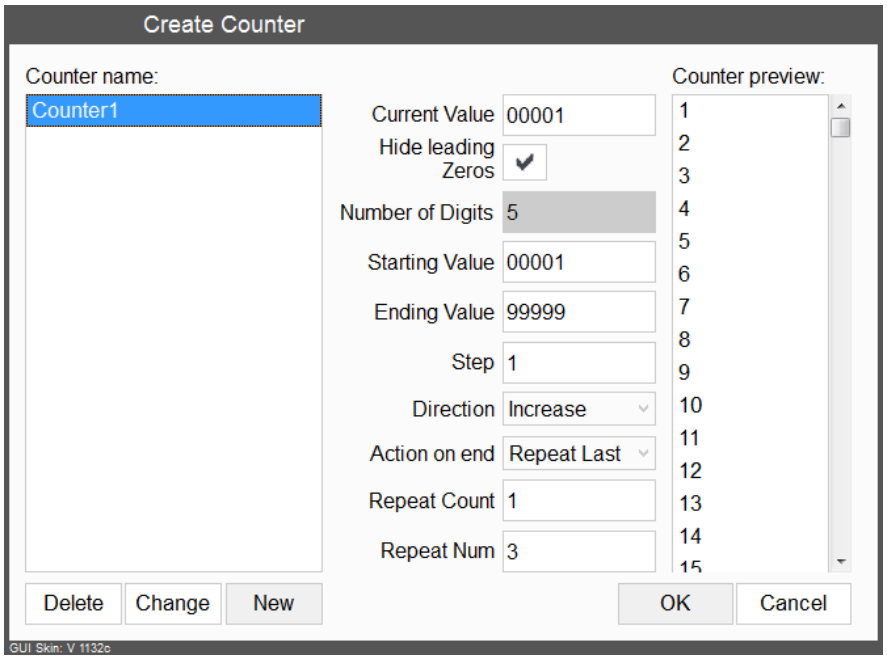
The Add Numeric Serializer option allows you to create counters. To create a new counter, perform the following procedure:

4.23.1 Click the

icon on the right margin of the *Labels, Layout, and Templates* section and click **Add Numeric Serializer.**

The *Create Counter* section is displayed:

Figure 4-26, Counter



4.23.2 Click the text box adjacent to the **Current Value** field to enter the current value of the counter using a numeric keypad.

4.23.3 (Optional) Select the check box adjacent to the **Hide Leading Zeros** field to hide the zeroes present in front of the values, in the Counter Preview.

4.23.4 Click the text box adjacent to the **Number of Digits** field to enter the required number of digits of the counter number, using a numeric keypad.

Note: The **Number of Digits** field is disabled, if you have selected the check box adjacent to the **Hide Leading Zeros** field.

4.23.5 Click the text box adjacent to the **Starting Value** field to enter the starting value of the counter, using a numeric keypad.

4.23.6 Click the text box adjacent to the **Ending Value** field to enter the ending value of the counter, using a numeric keypad.

Copyright © Sellenis Ltd 2020

4.23.7 Click the text box adjacent to the **Step** field to enter the value of the multiplier using a numeric keypad.

4.23.8 Select the value of the **Direction** from the drop down list. The available values are **Increase** and **Decrease**.

4.23.9 Select the value of the **Action on end** from the drop down list. The available values are **Repeat Last**, **Rollover**, and **Stop Print**.

4.23.10 Click the text box adjacent to the **Repeat Count** field to enter the ending value of the counter, using a numeric keypad.

4.23.11 Click the text box adjacent to the **Repeat Num** field to enter the ending value of the counter, using a numeric keypad.

4.23.12 Click **New** button to enter the name of the new counter using an alphanumeric keypad.

4.23.13 Click **OK** button to save and exit from the *Create Counter* section.

Form the *Create Counter* section, you can select an existing counter and perform the following:

- Edit the values and click **Change** button to update the counter information.
- Click **Delete** button to remove the Counter.

To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

Copyright © Sellenis Ltd 2020

4.24 Adding Shift Codes

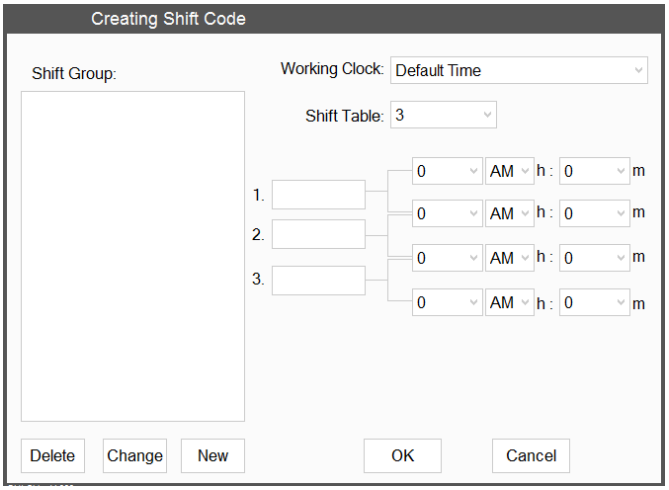
The shift code functionality enables you to create multiple shift operations and to assign separate timings for each. To create shift codes, perform the following procedure:

4.24.1 Click the

icon on the right margin of the *Labels, Layout, and Templates* section and click **Add Shift Codes.**

4.24.2 The *Creating Shift Code* section is displayed:

Figure 4-27



4.24.3 Select the required clock from the **Working Clock** drop down list. The available values are Default Clock and Current Clock.

4.24.4 Select the required number of shifts from the **Shift Table** drop down.

4.24.5 Click the text box adjacent to each shift number and enter the shift code name using the alphanumeric keypad.

4.24.6 Select the start time and end time of each shift from the drop down. You also have the option to select AM or PM and minutes.

4.24.7 Click **New** button. The alphanumeric keypad is displayed.

4.24.8 Enter the new Shift Group Name.

4.24.9 Click **OK** button to save the details and exit from *Creating Shift Code* section.

Copyright © Sellenis Ltd 2020

From *Creating Shift Code* section, you can also select an existing Shift Group Name and click **Delete** button to remove the same.

To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

4.25 Adding User Codes

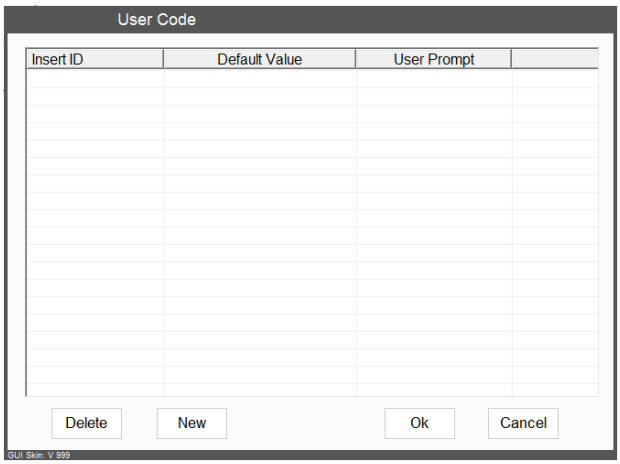
You can create user codes by providing the Insert ID, Default Value, and User Prompt information. To create a new User Code, perform the following procedure:

4.25.1 Click the

icon on the right margin of the *Labels, Layout, and Templates* section and click **Add User Codes.**

The *User Code* section is displayed:

Figure 4-28



4.25.2 Click **New** button. The alphanumeric keypad is displayed.

4.25.3 Enter the User Code name. The value is displayed under the **Insert ID** field.

4.25.4 Click the cell under **Default Value**, adjacent to the new **Insert ID**. The alphanumeric keypad is displayed.

4.25.5 Enter the default value of the user code.

4.25.6 Click the cell under **User Prompt**, adjacent to the new **Insert ID**. The alphanumeric keypad is displayed.

4.25.7 Enter the user prompt value of the user code.

4.25.8 Click **Ok** button to save the changes and exit from the *User Code* section.

You can enter multiple user codes. You can also delete an existing user code by selecting the user code and clicking **Delete** button.

Copyright © Sellenis Ltd 2020

To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

4.26 Adding Vision Camera

You can enter the camera information in the template by fetching the same from the camera device. To get this information in the template, a field needs to be inserted in the template which upon printing displays the data fetched from the camera.

Click the 0001 icon on the right margin of the *Labels, Layout, and Templates* section and click **Vision Camera** menu item. The selected information is imported and printed in the template.

4.27 Adding Magnetic Card Reader (MCR)

You can enter the Magnetic Strip Reader (MCR) information in the template by fetching the same from the MCR device. To get this information in the template, a field needs to be inserted in the template which upon printing displays the data fetched from the MCR device.

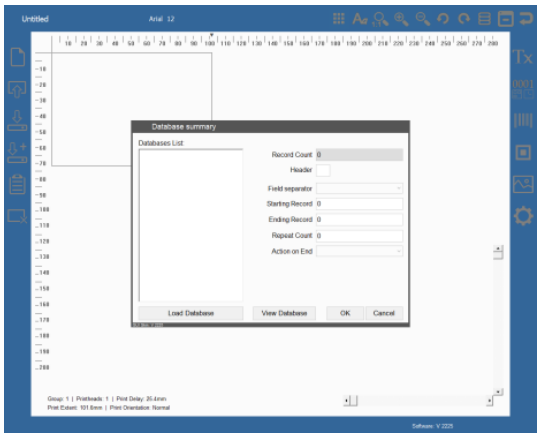
Click the 0001 icon on the right margin of the *Labels, Layout, and Templates* section and click **Magnetic Card Reader** menu item. The selected information is imported and printed in the template.

4.28 Add Database

The **Add Database** feature enables you to add new database from your local machine and use the data for printing. To add a database, perform the following procedure:

4.28.1 Click the 0001 icon on the right margin of the *Labels, Layout, and Templates* section and click **Add Database** menu item. The *Database* section is displayed.

Figure 4-29

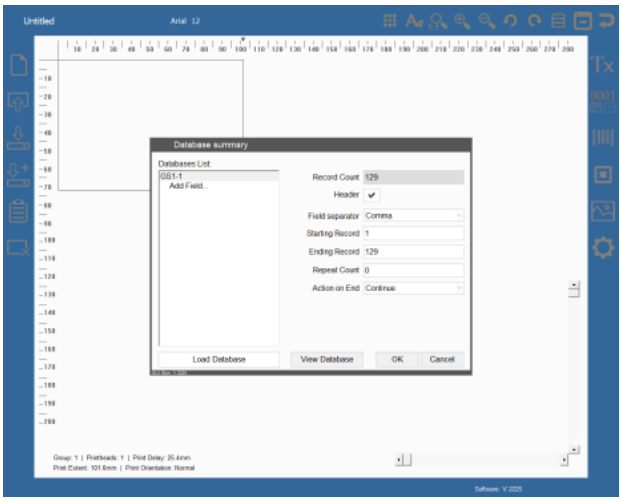


Copyright © Sellenis Ltd 2020

4.28.2 Click the **Load Database** button to select a database from the location in your machine.

The selected database is displayed in the *Databases List* pane. You can load multiple databases in this manner.

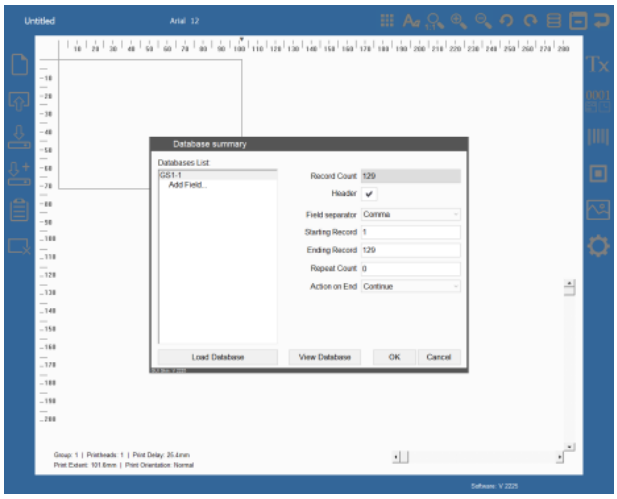
Figure 4-30



4.28.3 Select the check box adjacent to the **Header** field, if you want the headers to be displayed in the columns of the database table.

4.28.4 Click the drop down list adjacent to the **Field Separator** field and select the required value. The available options are, Comma, Semi Colon, and Tab.

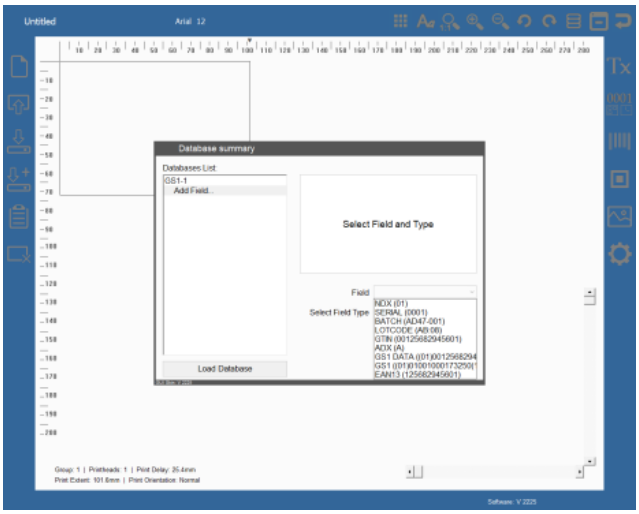
Figure 4-31



Copyright © Sellenis Ltd 2020

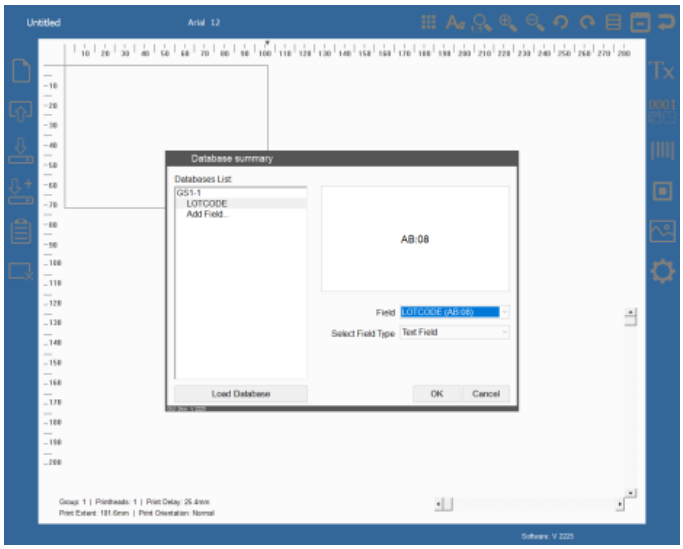
4.28.5 Click **Add Field** in the database list space then click the drop down arrow in the Field space. The Database fields are displayed in the list pane as follows:

Figure 4-32



4.28.6 Select/highlight and click on the field you would like to include on your template. Then click on the drop down arrow of **Select Field Type**. The Database field types are displayed in the list pane as follows. Select the required field type and press ok to include and display it on the template.

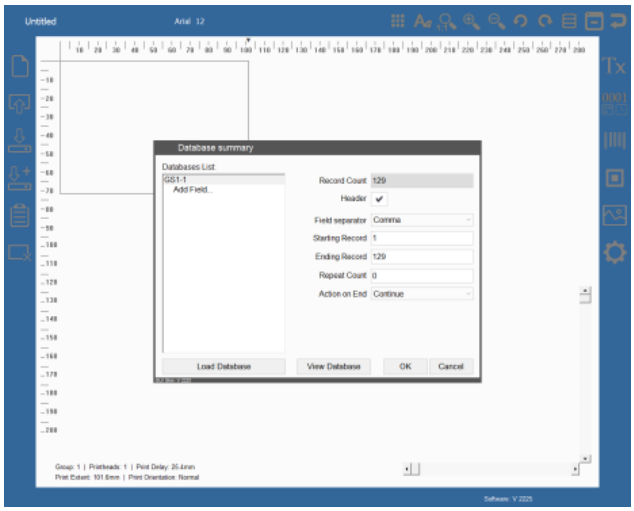
Figure 4-33



Copyright © Sellenis Ltd 2020

4.28.7 To print from a given record, enter the starting record number in the **Starting Record** field using the numeric keypad.

Figure 4-34



Example: If you want a selected row to be printed in 7th row of the template, enter the value 7 in both **Starting Record** and **Ending Record** fields.

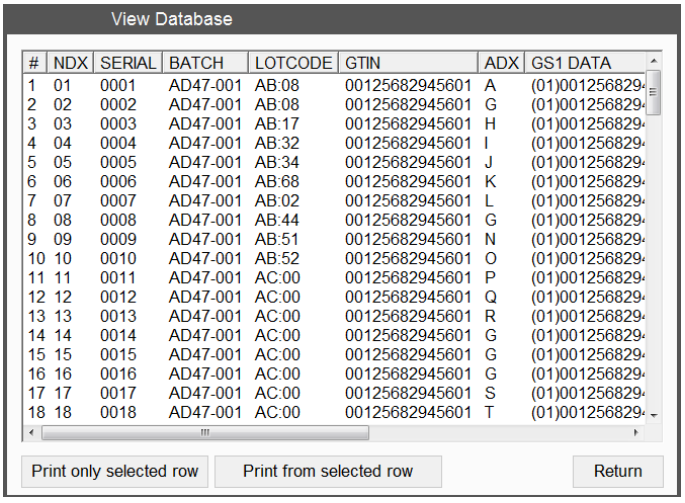
4.28.8 Click the drop down list adjacent to **Action on End** field and select the required value. The available options are Continue and Stop Print.

4.28.9 Enter the number of times you want to repeat printing in the **Repeat Count** field using the numeric keypad.

4.28.10 Click **OK** button to save the values. You can also click **Database** button to navigate back to the list of databases and **View Database** button to view the database details.

4.28.11 The View Database section is displayed as depicted in the following sample image:

Figure 4-35



Copyright © Sellenis Ltd 2020

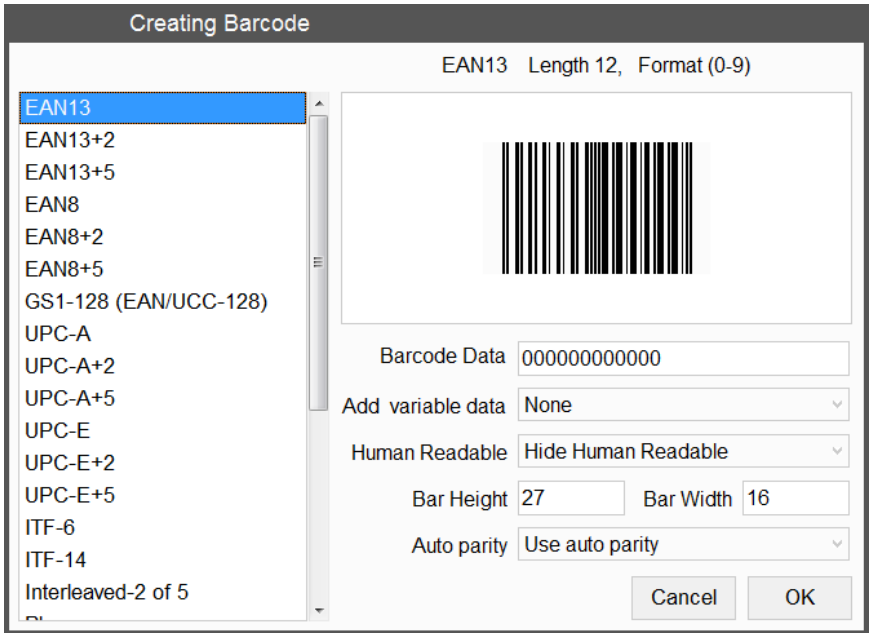
The *View Database* section displays all the columns in the database with the values. You can click to select rows (use **CTRL** key to select multiple rows) and click **Print only selected row** button to print the selected row or **Print from selected row** button to print the values starting from the selected row.

4.29 Adding Single Dimensional (1D) Barcode

You can develop barcode information and add it to the template with the aid of **Sellenis Printer Control software**. To create barcodes by providing detailed information, perform the following procedure:

4.29.1 Click the icon on the right margin of the *Labels, Layout, and Templates* section. The *Creating Barcode* section is displayed:

Figure 4-36



4.29.2 Select the type of the barcode from the available list of items.

4.29.3 Select the variable data from the **Add variable data** drop down list. The available items are **None**, **Variable Wizard**, **GS1 Wizard,** and **Database**.

4.29.4 Click the **Barcode Data** field to enter the barcode data, depending on the variable data you have selected, as follows:

- Enter the Barcode Data using the numeric keypad, if you have selected **None** in the **Add variable data** field. To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in **Appendix A**.

Copyright © Sellenis Ltd 2020

- Enter the Barcode Data through the *Variable Wizard* section, if you have selected **Variable Wizard** in the **Add variable data** field. For more information, refer to Variable Wizard section.
- Enter the Barcode Data through the *GS1 Wizard* section, if you have selected **GS1 Wizard** in the **Add variable data** field. For more information, refer to GS1 Wizard section.

4.29.5 Select the option to show or hide the human readable content from the barcode by selecting **Show Human Readable** or **Hide Human Readable** form the **Human Readable** drop down list.

4.29.6 Click text area adjacent to the **Bar Height** field to enter the bar height using a numeric keypad.

4.29.7 Click text area adjacent to the **Bar Width** field to enter the narrow bar width using a numeric keypad.

4.29.8 Select the option to perform auto parity check from the **Auto Parity** drop down list. The available options are **Use Auto parity** and **No**.

4.29.9 Verify the barcode displayed in the **Preview** section.

4.29.10 Click **OK** button to save the details and exit the *Creating Barcode* section. The barcode with selected details is displayed in the template.

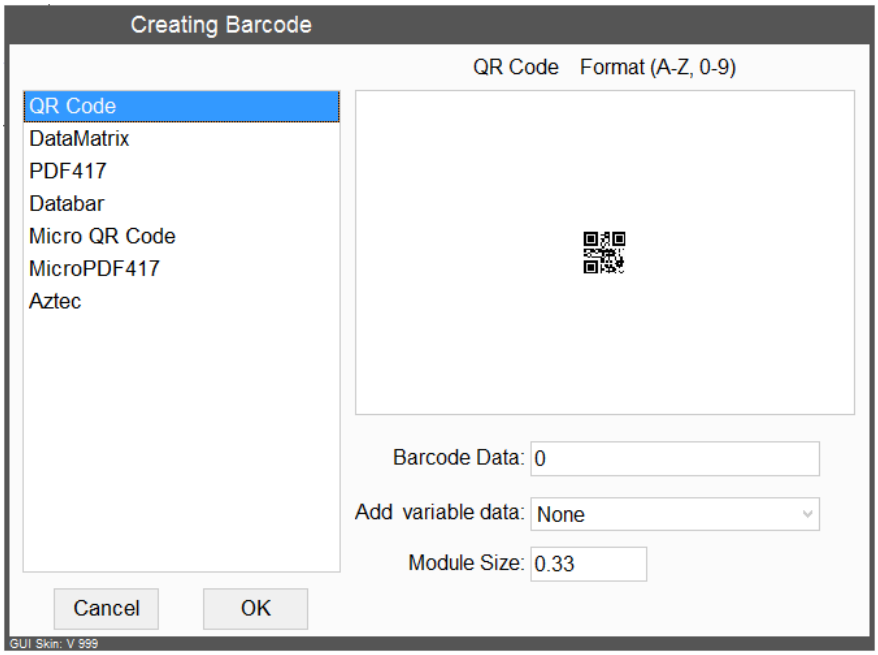
Copyright © Sellenis Ltd 2020

4.30 Adding Two Dimensional (2D) Barcode

You can develop 2D barcode information and add it to the template with the aid of **Sellenis Printer Control software**. To create 2D barcodes by providing detailed information, perform the following procedure:

4.30.1 Click the icon on the right margin of the *Labels, Layout, and Templates* section. The *Creating Barcode* section is displayed:

Figure 4-37



4.30.2 Select the required 2D code type from the list. The available options are **QR Code**, **DataMatrix**, **PDF417**, **Databar**, **Micro QR Code**, **MicroPDF417**, and **Aztec**.

4.30.3 Select the variable data from the **Add variable data** drop down list. The available items are **None**, **Variable Wizard**, and **GS1 Wizard**.

4.30.4 Click the **Barcode Data** field to enter the barcode data, depending on the variable data you have selected, as follows:

- Enter the Barcode Data using the numeric keypad, if you have selected **None** in the **Add variable data** field. To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in **Appendix A**.
- Enter the Barcode Data through the *Variable Wizard* section, if you have selected **Variable Wizard** in the **Add variable data** field. For more information, refer to Variable Wizard section.

Copyright © Sellenis Ltd 2020

- Enter the Barcode Data through the *GS1 Wizard* section, if you have selected **GS1 Wizard** in the **Add variable data** field. For more information, refer to GS1 Wizard section.

4.30.5 Click the text area adjacent to the **Module Size** field and enter the module size using the numeric keypad.

4.30.6 If you have selected the type as **QR Code**, you can also select the version number by selecting a value from the drop down list. This list includes the options such as Default, 21x21, and until 177x177.

4.30.7 Verify the barcode displayed in the **Preview** section.

4.30.8 Click **OK** button to save the details and exit the *Creating Barcode* section. The barcode with selected details is displayed in the template.

4.31 Adding Images

You can add images and use them in the template. To insert an image in the template, perform the following procedure:

4.31.1 Click the icon on the right margin of the *Labels, Layout, and Templates* section. The *image browser* is displayed:

4.31.2 Navigate, locate, and click on the image. The image is displayed in the template.

4.31.3 Click icon to navigate back to the template editor.

Once all the required elements are entered in the template, you can click the icon to save the template after selecting the required location.

Copyright © Sellenis Ltd 2020

4.32 Editing an Existing Template

You can edit an existing template using the template editor. To edit an existing template, perform the following procedure:

4.32.1 Click icon from the left margin of the *Labels, Layout, and Templates* section.

4.32.2 The *Load Template* browser is displayed.

4.32.3 Navigate, locate, and click on the template. The template is open for edit.

4.32.4 Click button to save the template, once edit operation is complete.

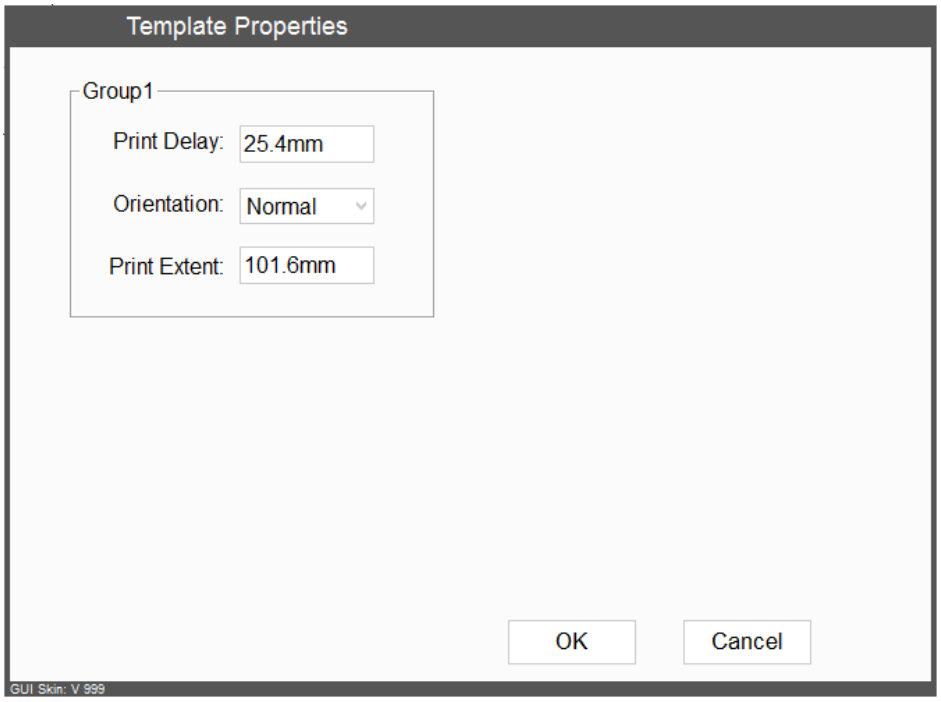
4.33 Setting Template Properties

You can preset the template properties such as Print Delay, Orientation, and Print Extend, before you initiate printing process. To set these properties, perform the following procedure:

4.33.1 Click icon from the left margin of the *Labels, Layout, and Templates* section.

4.33.2 The *Template Properties* section is displayed.

Figure 4-38



Copyright © Sellenis Ltd 2020

The *Template Properties* section displays the Print Delay, Orientation, and Print Extend fields for the number of Groups you have selected in the *Group Combinations* section. For more information, refer to Group Combinations section.

4.33.3 Click text area adjacent to the **Print Delay** field and enter the print delay in millimeters, using the numeric keypad.

4.33.4 Select the orientation value from the **Orientation** drop down list. The available values are Normal, Inverted, Reversed, and Rotated.

4.33.5 Click text area adjacent to the **Print Extend** field and enter the print extend in millimeters, using the numeric keypad.

4.33.6 Click **OK** button to save the details and exit from the *Template Properties* section.

4.34 Deleting Elements in a Template

You can remove an unwanted element from a template under edit. To remove an element, perform the following procedure:

4.34.1 Click and select the element you want to remove.

4.34.2 Click icon from the left margin of the *Labels, Layout, and Templates* section.

4.34.3 The *Confirm Delete* warning is displayed.

4.34.4 Click on the warning message to remove the selected element from the template.

4.35 Additional Options

Following additional options are present in the *Labels, Layout, and Templates* section. These options helps you in editing the template.

4.36 Aligning Template Content

The Aligning Template Content option enables you to decide where exactly the labels should exist in the template.

After selecting a label in the template, you can click the icon from the header bar of the *Labels, Layout, and Templates* section and select from the following alignment options:

: Align top left of the template.

: Align top centered of the template.

: Align top right of the template.

: Align centered left of the template.

Copyright © Sellenis Ltd 2020

: Align centered of the template.

: Align centered right of the template.

: Align bottom left of the template.

: Align bottom centered of the template.

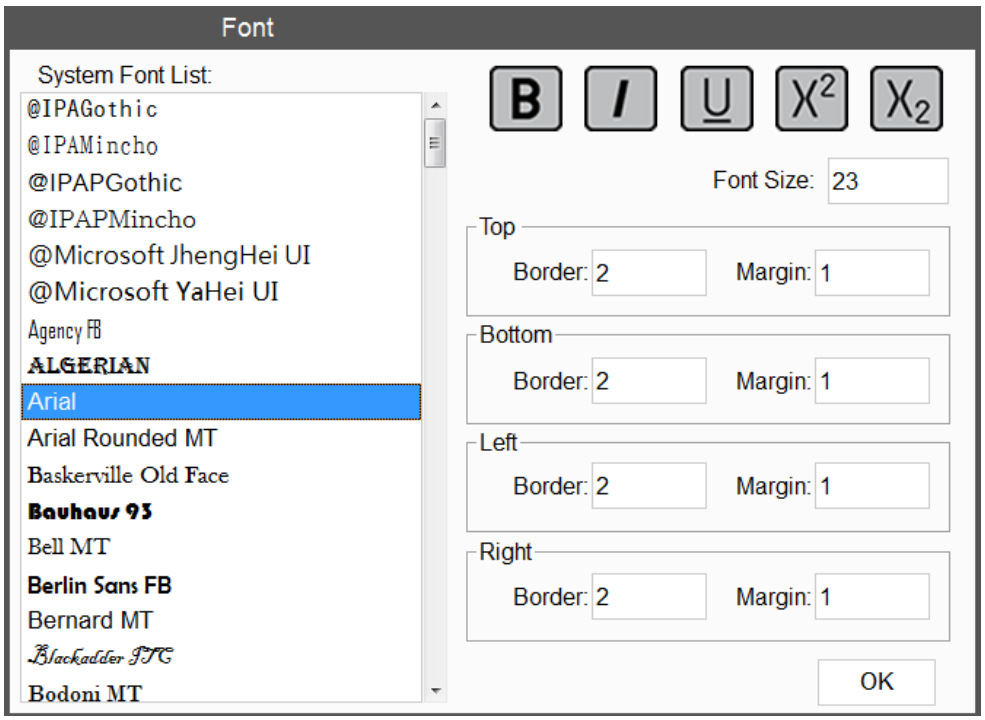
: Align bottom right of the template.

4.37 Updating Font Information

This section details about the font information and various options to manage text in a template.

You can access the *Font Information* section by clicking icon from the header bar of the *Labels, Layout, and Templates* section. The *Font Information* section is displayed as follows:

Figure 4-39



Copyright © Sellenis Ltd 2020

4.37.1 Select the required font from the *System Font List*.

4.37.2 Click icon to change the font style to **Boldface**. Once clicked, the icon changes to .

4.37.3 Click icon to change the font style to *Italicize*. Once clicked, the icon changes to .

4.37.4 Click icon to change the font style to Underlined. Once clicked, the icon changes to .

4.37.5 Click icon to change the font style to superscript. Once clicked, the icon changes to .

4.37.6 Click icon to change the font style to Subscript. Once clicked, the icon changes to .

4.37.7 Click the text area adjacent to the **Font Size** field to enter the required size of the font using a Numeric Keypad.

4.37.8 Click the text area adjacent to the **Border** field of the *Top* grid to enter the required size of the top border using a Numeric Keypad.

4.37.9 Click the text area adjacent to the **Margin** field of the *Top* grid to enter the required size of the top margin using a Numeric Keypad.

4.37.10 Click the text area adjacent to the **Border** field of the *Bottom* grid to enter the required size of the bottom border using a Numeric Keypad.

4.37.11 Click the text area adjacent to the **Margin** field of the *Bottom* grid to enter the required size of the bottom margin using a Numeric Keypad.

4.37.12 Click the text area adjacent to the **Border** field of the *Left* grid to enter the required size of the left border using a Numeric Keypad.

4.37.13 Click the text area adjacent to the **Margin** field of the *Left* grid to enter the required size of the left margin using a Numeric Keypad.

4.37.14 Click the text area adjacent to the **Border** field of the *Right* grid to enter the required size of the right border using a Numeric Keypad.

Copyright © Sellenis Ltd 2020

4.37.15 Click the text area adjacent to the **Margin** field of the *Right* grid to enter the required size of the right margin using a Numeric Keypad.

Click **OK** button to save the details and exit from the *Font Information* section.

To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in Appendix A

4.38 Zoom In, Zoom Out, and Default View

While working on the template, you can click the icon to zoom out, icon to zoom in, and icon to reset the zoom, of the template.

4.39 Rotating a Selected Element

While working on the template, you can select an element in the template and perform the following:

4.39.1 Click icon to rotate the selected element in anti-clock wise direction.

4.39.2 Click icon to rotate the selected element in clock wise direction.

4.40 Runtime Data Configuration

You can set the Runtime Data Configuration by clicking the icon and selecting the required data file from the browser.

4.41 Setting Template Length

You can enter the labels anywhere in the template using the scroll functionality. Use the horizontal scroll available in the bottom left corner of the *Labels, Layout, and Templates* section to move across the template and paste labels in the template.

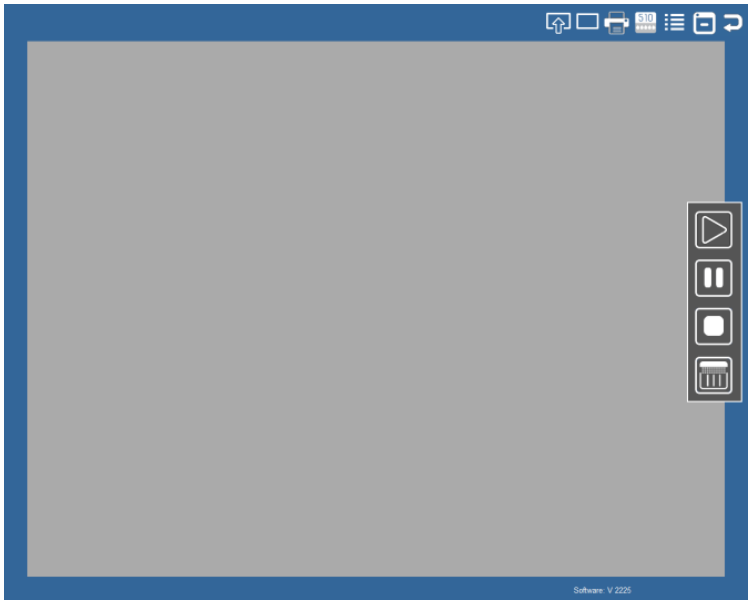
Copyright © Sellenis Ltd 2020

4.42 Printing Process

The *Printing Process* section enables you to initiate the printing, once you are done with all the related processes. Through the *Printing Process* section, you can load a template, initiate print process, and view the print process related information.

From the *Home* screen of the **Sellenis Printer Control software**, you can click icon to access the *Printing Process* section. The *Printing Process* section is displayed as follows:

Figure 4-40



From the *Printing Process* section, you can access the following functionalities:

- Loading Template
- Print Controls
- Print Status
- Print Statistics
- Print Event

4.43 Loading Template

The loading template functionality enables you to load a previously created template in the *Printing Process* section. The load process is essential, as the template has to be loaded before you could initiate the printing. To load a previously created template from the *Printing Process* section, perform the following procedure:

4.43.1 Click the icon from the header bar of the *Printing Process* section.

4.43.2 The *Load Template* browser is displayed.

4.43.3 Navigate, locate, and click on the required template. The template is loaded in the *Printing Process* section.

Copyright © Sellenis Ltd 2020

4.44 Print Controls

The following are the icons/button which you can use to initiate and control the printing process.

4.44.1 - **Initiate Printing** – When clicked, the icon turns to .

4.44.2 ***Warning****: Ensure that the simulated printing is not activated before you initiate printing, unless you intend to carry out continuous simulated printing. For more information, refer to* *Simulated Printing settings* *section.*

4.44.3 - **Pause Printing** – If you pause printing, you can restart the sequence and from where the sequence printing was paused.

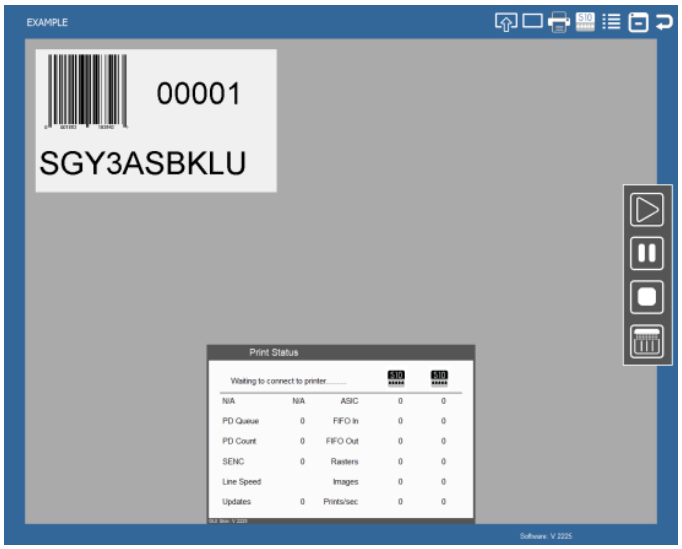
4.44.4 - **Stop Printing** – When clicked, the icon turns to .Pressing this icon stops the printing process abruptly.

4.44.5 - **Purge Printhead Nozzles** –click on this icon to purge the nozzles. Ensure there is a container to catch purge ink before you carry out this action.

4.45 Print Status

The *Print Status* section enables you to understand the details of the printing process, as it progresses. You can access the *Print Status* section by clicking the icon from the header bar of the *Printing Process* section. The *Print Status* section is displayed as follows:

Figure 4-41



Copyright © Sellenis Ltd 2020

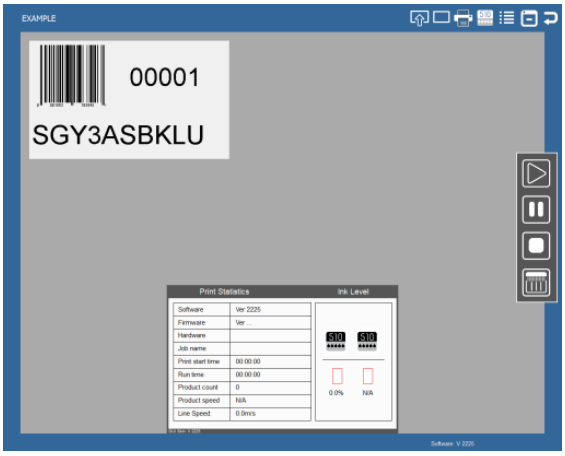
The *Print Status* section displays the details related to the Printer status, printing information, and so on.

Click icon to close the *Print Status* section.

4.46 Print Statistics

The *Print Statistics* section provides you the details about the printing process. You can access the *Print Statistics* section by clicking the icon from the header bar of the *Printing Process* screen. The *Print Statistics* section is displayed as follows:

Figure 4-42



The *Print Statistics* section displays the details such as Software version, Firmware version, Hardware version, Job name, Print start name, Run time, Product count, Product speed, Line Speed.

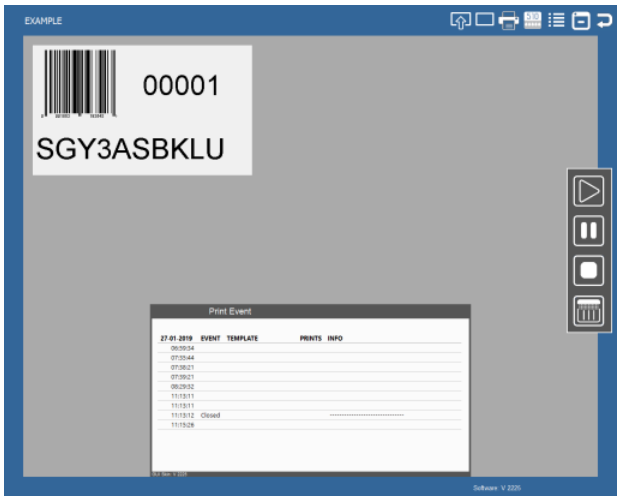
4.46.1 Click icon to close the *Print Statistics* section.

Copyright © Sellenis Ltd 2020

4.47 Print Event

The *Print Event* section provides you the event log details of the printing process. You can access the *Print Event* section by clicking the icon from the header bar of the *Printing Process* screen. The *Print Event* section is displayed as follows:

Figure 4-43



The *Print Event* section provides the details such as time stamp, event name, template details, number of prints, and the information.

4.47.1 Click icon to close the *Print Event* section.

4.47.2 Additionally, from the *Printing Process* section, you can perform the following functions:

- Click icon to minimize the **Sellenis Printer Control software** to the task bar.
- Click icon to navigate back to the **Sellenis Printer Control software** *Home* screen.

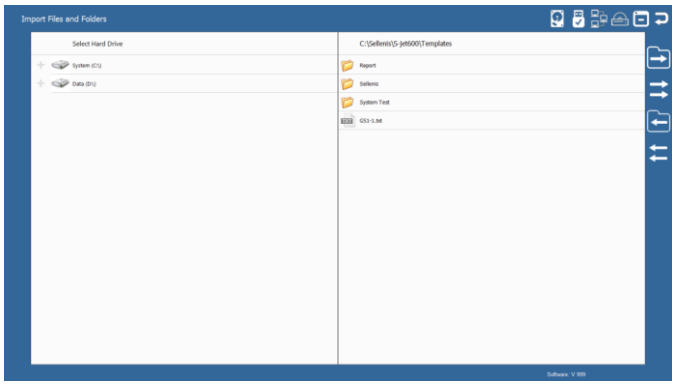
Copyright © Sellenis Ltd 2020

4.48 Import Files and Folders

The *Import Files and Folders* section enables you to import files or folders from hard disk, USB storage devices, network, or CD ROM though an interface to the **Sellenis Printer Control software** directory.

From the *Home* screen of the **Sellenis Printer Control software**, you can click icon to access the *Import Files and Folders* section. The *Import Files and Folders* section is displayed as follows:

Figure 4-44



Select the source location as follows:

4.48.1 Click the icon to import files and folders from the Hard Drive.

4.48.2 Click the icon to import files and folders from the USB Drive.

4.48.3 Click the icon to import files and folders from the Network Drive.

4.48.4 Click the icon to import files and folders from the CD-ROM Drive.

Depending on the selected source location, the available files are displayed. Perform the following procedure to select and move files/folders to the **Sellenis Printer Control software** directory:

4.48.5 Click on the folder name to open the folder.

4.48.6 Click on the folder or the icon to select a folder.

4.48.7 Click on the file or icon to select a file.

4.48.8 The selected files/folders are displayed with icon.

Copyright © Sellenis Ltd 2020

4.48.9 Click the icon to import the selected folders to the **Sellenis Printer Control software** directory.

4.48.10 Click the icon to import the selected files to the **Sellenis Printer Control software** directory.

Additionally, from the Import Files and Folders section, you can perform the following functions:

You can also select the folders/files from the **Sellenis Printer Control software** directory and export the files/folders by clicking the icon or icon.

4.48.11 Click icon to minimize the **Sellenis Printer Control software** to the task bar.

4.48.12 Click icon to navigate back to the **Sellenis Printer Control software** *Home* screen.

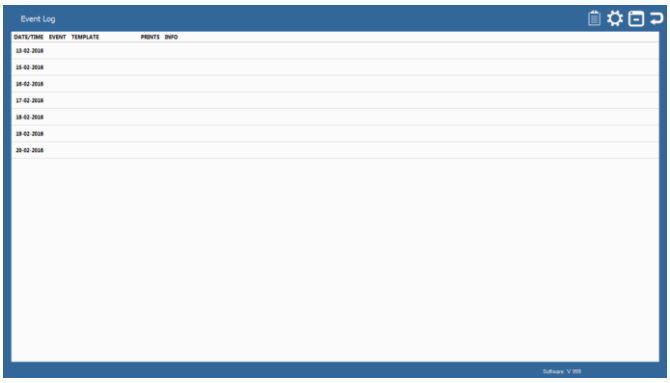
Copyright © Sellenis Ltd 2020

4.49 Event Log

The *Event Log* section enables you to view the event log in a daily basis. This section also enables you to save the daily event log and filter the event log display.

From the *Home* screen of the **Sellenis Printer Control software**, you can click icon to access the *Event Log* section. The *Event Log* section is displayed as follows:

Figure 4-45



The events are displayed under day time stamps. You can click on each day to view the events occurred on that particular day. The events are displayed with Date/Time, Event, Template, Prints, and Info dtails.

4.50 Creating Event Log Reports

From the *Event Log* section, you can save the existing event logs. To save an event log report, perform the following procedure:

4.50.1 Click on a day to view the events occurred on that day.

4.50.2 Click icon from the header bar of the *Event Log* section.

4.50.3 The *Event Log Report* window is displayed.

4.50.4 Click the text area adjacent to the **File Name** field. The alphanumeric keypad is displayed.

4.50.5 Enter the file name using the alphanumeric keypad.

4.50.6 Click icon to save the report.

4.50.7 A message box, confirming the save action, is displayed. Click **Ok** button.

4.50.8 To know more about alphanumeric keypad and numeric keypad, refer to Onscreen Keypads section in Appendix A

Copyright © Sellenis Ltd 2020

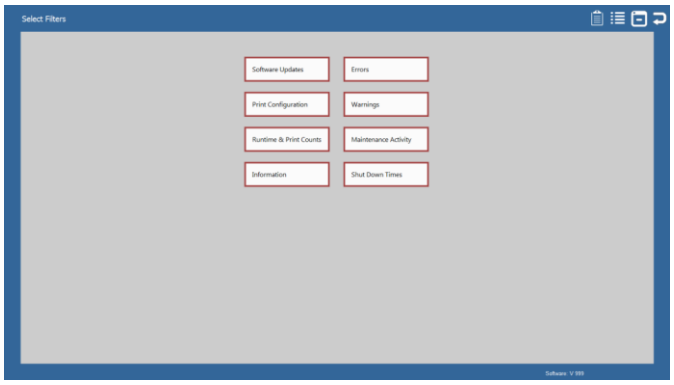
4.51 Selecting Event Log Filters

You can choose to view the event log types, in the *Event Log* section. To filter the event log display, perform the following procedure:

4.51.1 Click icon from the header bar of the *Event Log* section.

The *Select Filters* section is displayed as follows:

Figure 4-46



The *Select Filters* section displays the Software Updates, Errors, Print Configuration, Warnings, Runtime & Print Counts, Maintenance Activity, Information, and Shut Down Times filters. Bu default, all the filters are selected.

4.51.2 Click to select/deselect the required filters.

4.51.3 Click icon to navigate back to *Event Log* section from *Select Filers* section.

The *Event Log* section is displayed, according to the filters selected.

Additionally, from the *Printing Process* section, you can perform the following functions:

4.51.4 Click icon to minimize the **Sellenis Printer Control software** to the task bar.

4.51.5 Click icon to navigate back to the **Sellenis Printer Control software** *Home* screen.

Copyright © Sellenis Ltd 2020

4.52 Logout and Power Off

This section details you on how to logout from the **Sellenis Printer Control software** *Home* screen and how to close the **Sellenis Printer Control software**.

- From the *Home* screen of the **Sellenis Printer Control software**, you can click icon to logout from your account and navigate back to the *Welcome* screen.
- From the *Welcome* screen of the **Sellenis Printer Control software**, you can click icon to close the application session.

Copyright © Sellenis Ltd 2020

5.0 APPENDIX A

5.1 Onscreen Keypads

This section details about the keypads available in the **Sellenis Printer Control software**. The following are the two types of keypads present in the **Sellenis Printer Control software**:

- Onscreen Alphanumeric Keypad
- Onscreen Numeric Keypad

5.1.1 Onscreen Alphanumeric Keypad

The Onscreen Alphanumeric Keypad displays a QWERTY keypad along with numbers and symbols. The following figure depicts the primary display of the Onscreen Alphanumeric Keypad:

Figure 5-1

Using the Onscreen Alphanumeric Keypad, you can key in the alphanumeric characters as detailed in the following steps:

5.1.2 Use the mouse to click on the keypad elements.

5.1.3 Use the button to toggle between upper case and lower case letters and to access the symbols.

5.1.4 Use the button or button to move the cursor control to a specific location of the already entered text.

5.1.5 Use the button to remove the entered text.

5.1.6 Use the button to finish typing and to enter the text to the text area.

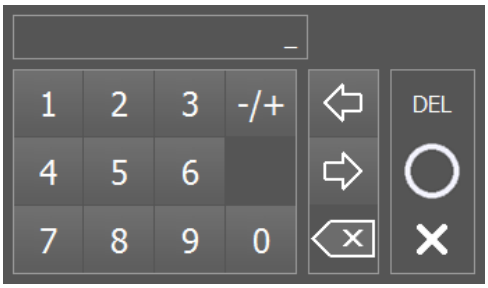
5.1.7 Use the button to close the Onscreen Alphanumeric Keypad.

Copyright © Sellenis Ltd 2020

5.1.8 Onscreen Numeric Keypad

The Onscreen Numeric Keypad displays a number keypad with numbers. The following figure depicts the primary display of the Onscreen Numeric Keypad:

Figure 5-2



Using the Onscreen Numeric Keypad, you can key in the numbers as detailed in the following steps:

5.1.9 Use the mouse to click on the keypad elements.

5.1.10 Use the button or button to move the cursor control to a specific location of the already entered number.

5.1.11 Use the -/+ button to toggle between negative or positive values of the entered number.

5.1.12 Use the DEL button to remove an entered number.

5.1.13 Use the button to remove the entered number.

5.1.14 Use the button to finish typing and to enter the number to the text area.

5.1.15 Use the button to close the Onscreen Numeric Keypad.

Copyright © Sellenis Ltd 2020

5.2 User Privileges

This section details about the various privileges in various sections that can be assigned to each user along with the descriptions of those privileges.

Table 5-1

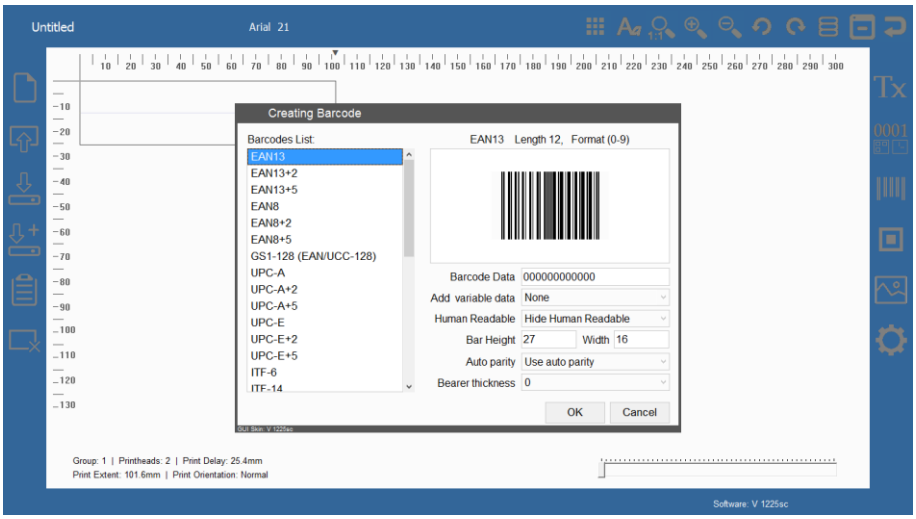
User Privilege	**Description**
ADMIN	
User Account	Create and manage User accounts.
File Manager	Manage the files in the **Sellenis Printer Control software**.
Operating Setting	Manage the operating settings.
PRINT	
USB Import	Import files from USB drive.
Load/Print	Load templates and initiate printing.
Data/Config	Manage data settings and other configurations.
LOGGER	
View	View the event log information
Report	Generate/Save event log reports.
CONFIG	
Full Access	Full access to all the configuration functionalities.
EDITOR	
USB Import	Import files form USB drive.
Load / Edit / Save	Load, edit, and save templates.

Copyright © Sellenis Ltd 2020

5.3 Adding Variable Data

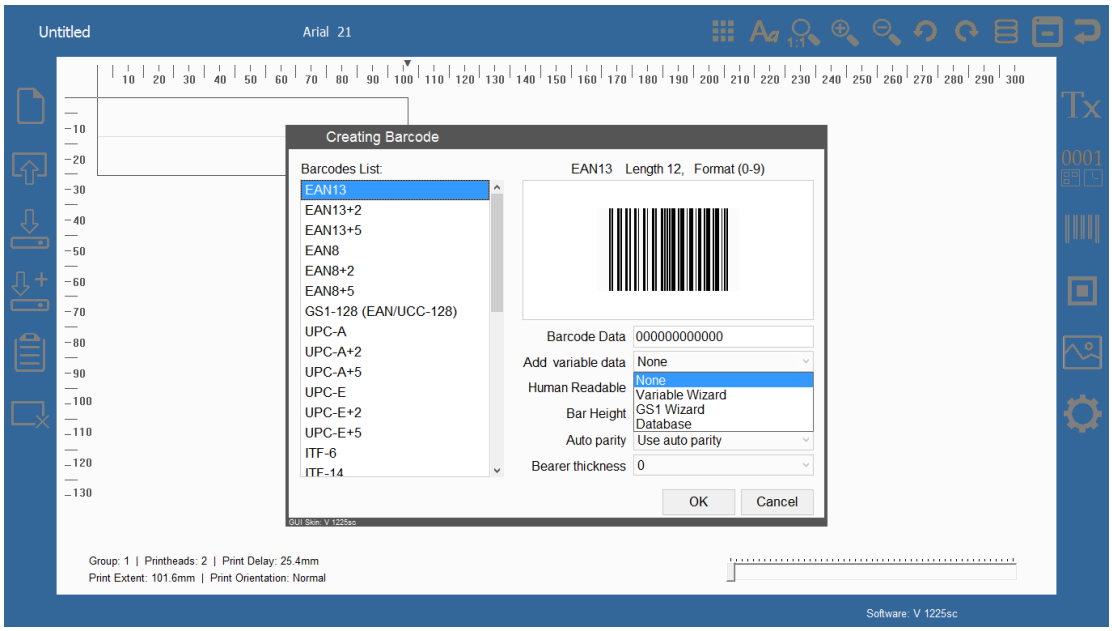
The following sections detail process of adding variable data for the purpose of creating barcodes with variable data.

Figure 5-3



The variable data could be added by clicking on the arrow in the **Add Variable Data** space to display a drop down list to allow you to select the type of variable data (variable wizard; GS1 wizard or database) you would like to add (as displayed in the following screen).

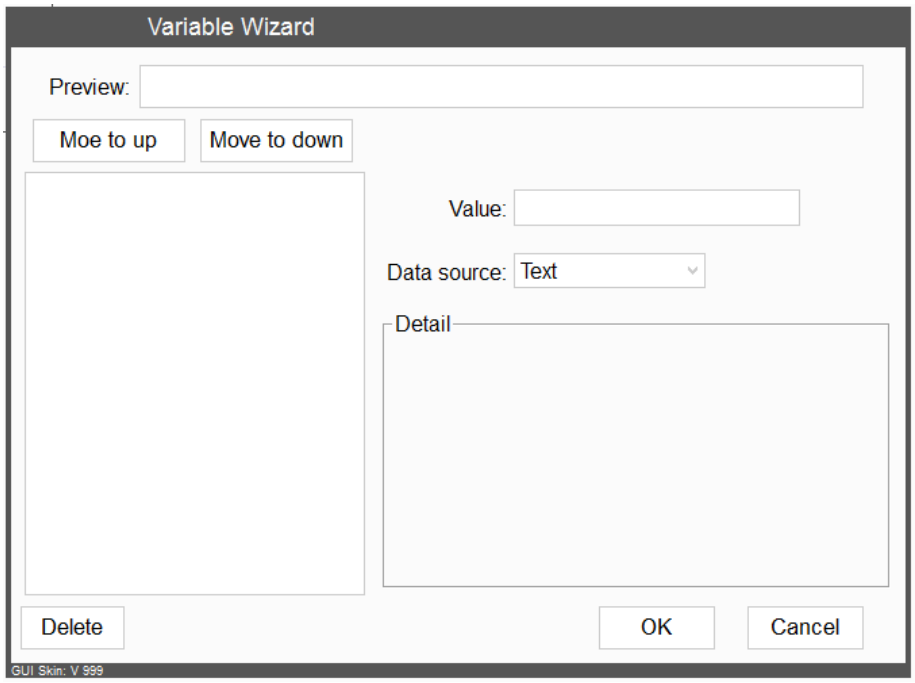
Figure 5-4



Copyright © Sellenis Ltd 2020

5.4 Variable Wizard

The *Variable Wizard* section is enabled, when you select **Variable Wizard** in the **Add variable data** field. The *Variable Wizard* section is displayed as follows:



You can enter the following details through the *Variable Wizard* section.

5.4.1 Select the **Data Source** from the drop down list. The available values are Text, Counter, Date/Time, Shift Code.

5.4.2 Click the **Value** field to enter the barcode value, depending on the data source you have selected, as follows:

5.4.3 Enter the value using an alphanumeric keypad, if you have selected **Text** in the **Data Source** field. To know more about the alphanumeric keypad and the numeric keypad, refer to Onscreen Keypads section in **Appendix A**.

5.4.4 Enter the value from the *Create Counter* section, if you have selected **Counter** in the **Data Source** field. For more information, refer to Adding Numeric Serializer section.

5.4.5 Enter the value from the *Creating Time Stamp* section, if you have selected **Date/Time** in the **Data Source** field. For more information, refer to Adding Timestamps section.

5.4.6 Enter the value from the *User Code* section, if you have selected User Code in the **Data Source** field. For more information, refer to Adding user Codes section.

5.4.7 Enter the value from the *Creating Shift Code* section, if you have selected Shift Code in the **Data Source** field. For more information, refer to Adding Shift Codes section.

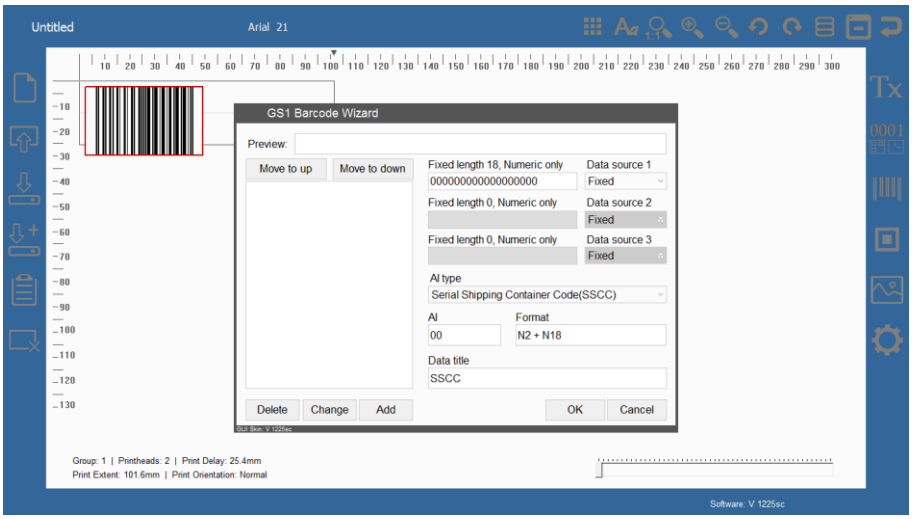
Copyright © Sellenis Ltd 2020

5.4.8 Click **OK** button to save the details and exit the *Variable Wizard* section. The selected details are displayed in the **Barcode Data** field.

5.5 GS1 Wizard

The *GS1 Wizard* section is enabled, when you select **GS1 Wizard** in the **Add variable data** field. The *GS1 Barcode Wizard* section is displayed as follows:

Figure 5-5



You can enter the following details through the *GS1 Barcode Wizard* section.

5.5.1 Select the **Data Source** from the drop down list. The Available values are **Fixed** and **Variable**.

5.5.2 Click the text area adjacent to the **Data for AI** field and enter the required values through the numeric keypad.

5.5.3 ***Note**: This field is enabled, only if you have selected **Fixed** from the **Data Source** drop down list.*

5.5.4 Select the **AI Type** from the drop down list.

5.5.5 The **AI**, **Format**, and **Date Title** fields are auto populated according to the AI Type selected.

5.5.6 Click **Add** button. The type is listed and the **Preview** is displayed.

5.5.7 Click **OK** button to save the changes and exit from the *GS1 Barcode Wizard* section.

Copyright © Sellenis Ltd 2020

Additionally, from the *GS1 Barcode Wizard* section, you can selected an added item from the list and perform the following:

- Edit the details and click **Change** button to update the details.
- Click **Delete** button to remove the selected type.

6.0 SUPPORT INFORMATION

For assistance or support, you can contact at:

Unit 1, Saxon Way

Melbourn, South Cambridge

SG8 6DN, England, UK

Email: mailto:info@sellenis.com

Tel: ***+44 (0) 1763 269554***

Website: http://www.sellenis.com/

Copyright © 2017. Sellenis Limited