SumiMark® IV PLUS

HEAT-SHRINK TUBE MARKING SYSTEM

SUMITOMO ELECTRIC INTERCONNECT PRODUCTS

Set-Up & Software Installation Guide



SUMITOMO ELECTRIC
INTERCONNECT PRODUCTS, INC.

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SOFTWARE LICENSE AGREEMENT

This is a legal agreement between you, the user, and Sumitomo Electric Interconnect Products, Inc. By installing SumiLabel, you agree to be bound by the terms of this agreement. If you do not agree to these terms, promptly return all items (systems, components, written materials, packaging) for a full refund.

The software is protected by United States copyright laws and international treaties. You may make one copy of the software solely for backup or archival purposes. You may not rent or lease the software or copy the written materials accompanying the software. You may not reverse engineer, de-compile, or disassemble the software.

Note: This guide is intended only to cover basic operation of and the most common procedures for your Sumimark IV PLUS® printer. For more information, please visit us on the web at www.SumiSupport.com.

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I. Hardware Setup & Procedures

Unpacking and Inspection

This section is designed to assist you in readying the printer for use. Please consider it carefully in order to ensure that you have received all the necessary components for proper operation.

1. Remove the top foam packing piece.
2. Lift printer straight up and out of the box carefully, with adequate assistance.
3. Remove and inspect the accessory kit and supplies.



Important: Save box and all packing materials for future use, in the event the printer needs to be shipped. Units returned for service in non-approved packaging may void the warranty or increase repair costs due to shipping damage.

Verify that the printer box contains the following materials:

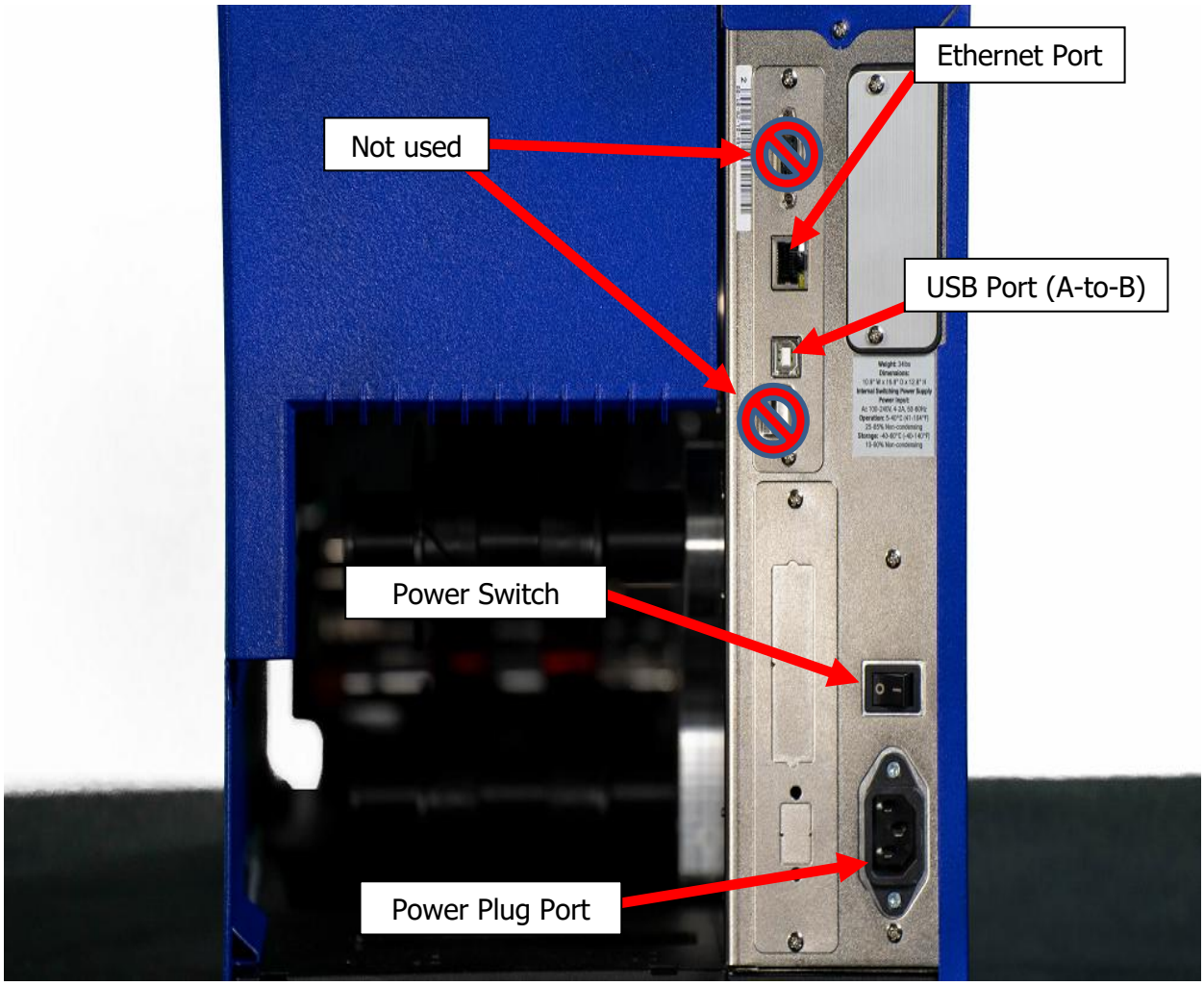
- Sumimark IV PLUS® 300dpi Printer
- Spool Stand
- Power Cord
- USB A-to-B cable
- Straight-edge Cutting Blade w/ Allen key for cutter set screws
- USB flash drive containing SumiLabel and IMM software, basic manual, drivers and other utilities.
- A sample ribbon roll (preinstalled on the unit)
- Sumilabel and IMM Software Activation Card
- Notched Blade for Perforated Cuts (preinstalled on the unit)

Connecting Printer and Computer

To connect your Sumimark IV PLUS® printer to your computer, you must connect the printer via USB or ethernet to your computer. A USB cable is provided with the printer for your convenience. Refer to *Figure 1* below for the available ports on the rear of the printer.

Important: Use the cables that came with the printer, as they have been tested to ensure proper printing.

Figure 1



Loading the Ribbon

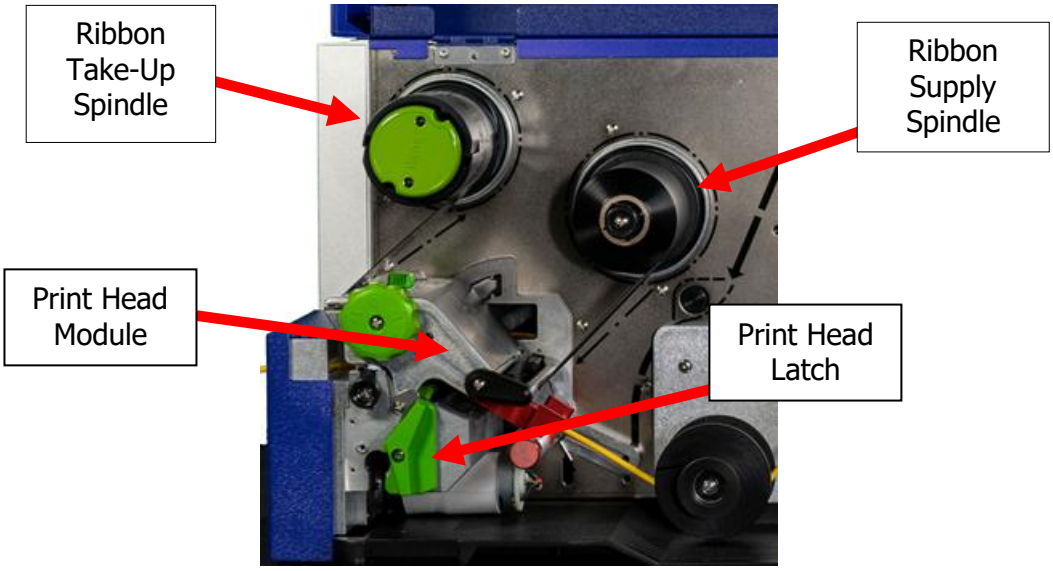


Figure 2

1. Open the **Printer Lid**
2. Turn the green **Print Head Latch** to the right to open the print head module.
3. Open the **Side Access Door**, unwrap the ribbon, and place the unused ribbon on the **Ribbon Supply Spindle** located towards the back of the printer. Slide the core all the way to the back of the spindle.
4. Route the ribbon under the print head mechanism (Figure 3) and around the back of the **Ribbon Take-Up Core**, then tucking it under itself to keep it from sliding off.

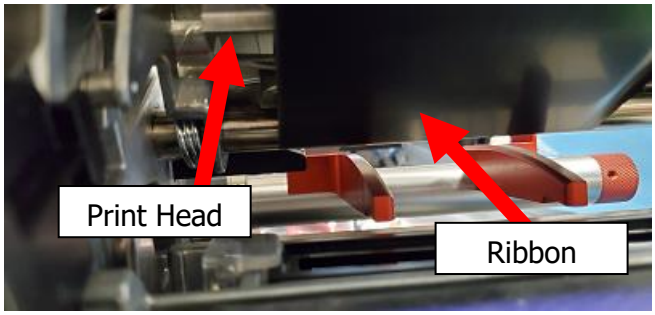


Figure 3

5. Tighten ribbon by manually rotating the **Take-Up Core** counter-clockwise.
6. To ensure proper ribbon operation, make sure that the ribbon is wound with the ink side out, feeds off the back of the **Ribbon Supply Spindle**, runs under the print head, and is re-wound on the Take-Up spindle starting from the back.

When properly loaded as shown in *Figure 2*, the **Ribbon Supply Spindle** will rotate clockwise and the **Ribbon Take-Up Spindle** will rotate counter-clockwise. Proper ribbon loading technique is also shown on the diagram inside the **Printer Lid**.

Loading SumiMark Tubing

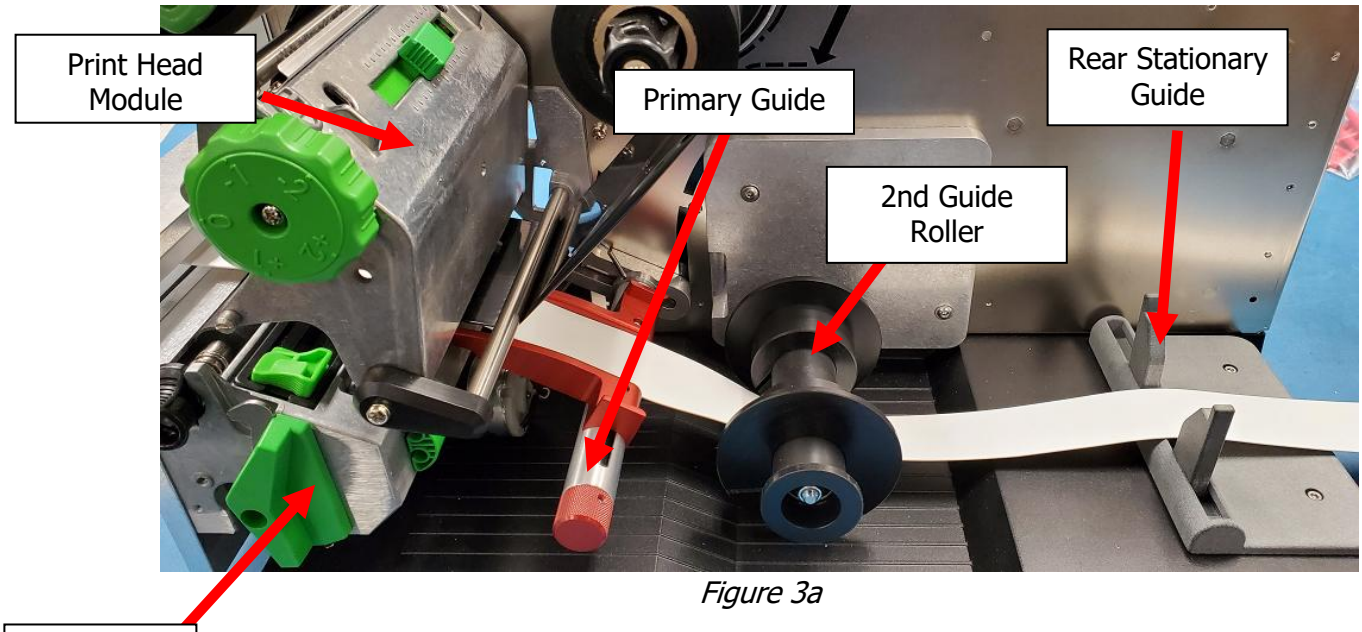


Figure 3a

1. Open the **Printer Lid**
2. Turn the green **Print Head Latch** to the right to unlatch and open the **Print Head Module**.
3. Feed the SumiMark® tubing from the spool on the freestanding **Spool Assembly**. Tubing should be feeding from underneath the spool and into the back of the **SumiMark IV PLUS** printer.
4. Route the SumiMark tubing through the three (3) **Guides** as follows:

    a. First**,** guide the tubing under the Print Head and out through the cutter. Refer to *Figure 3b*.

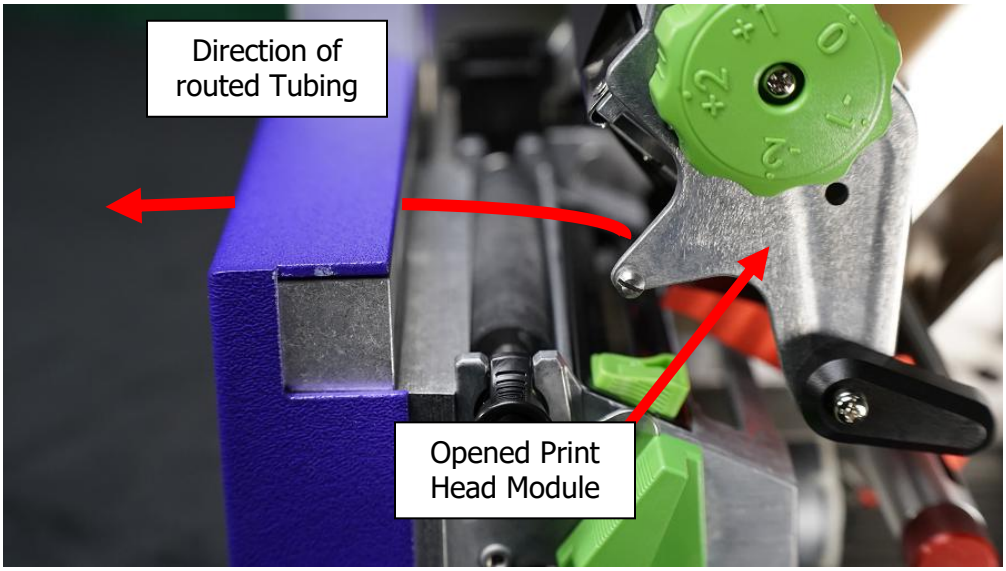
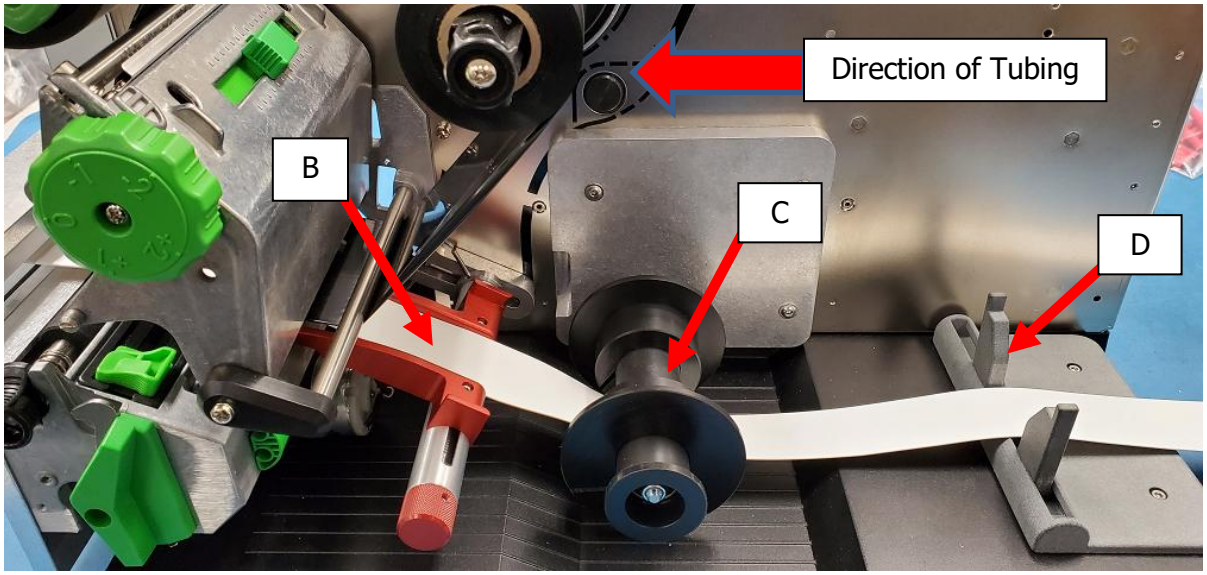


Figure 3b

b. Slide the tubing over the **Primary Guide** between the red guide fingers.
c. Slide the tubing under the **2nd Guide Roller** between the adjustable rollers.
d. Position the tubing between the adjustable guides on the **Rear Stationary Guide**.



5. Adjust the **Guide** on each one until they are a hair's width from, but not touching, the tubing on each side. **Important: The tubing should move freely between all guides.**

6. While pushing down on the **Print Head Module**, turn the **Print Head Latch** left to lock the print head into the fully closed position.

Changing the Cutting Block & Blade

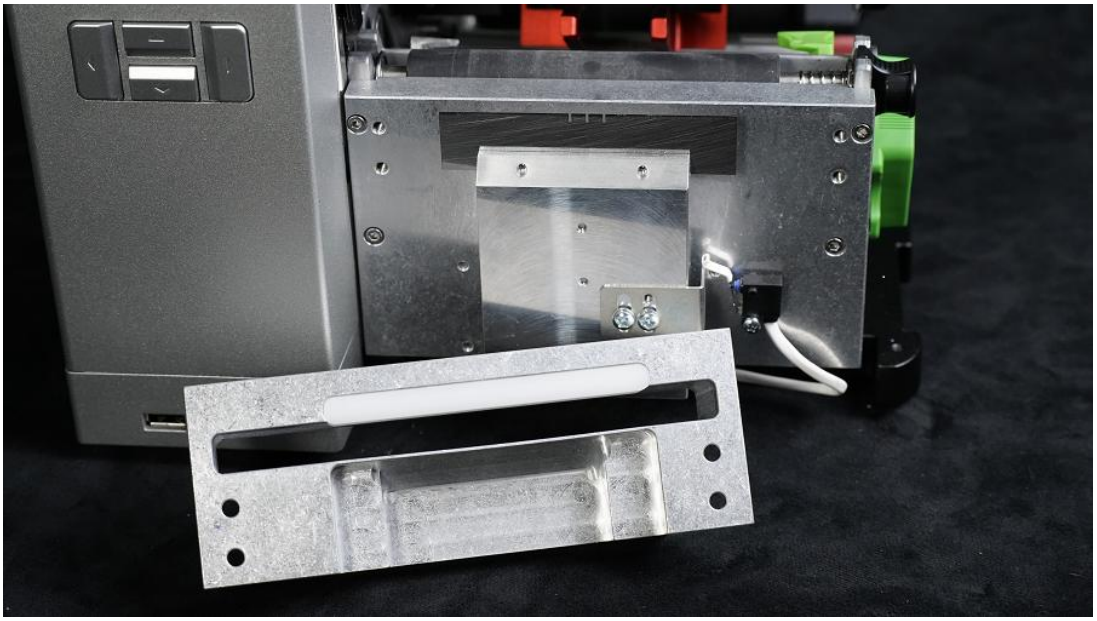
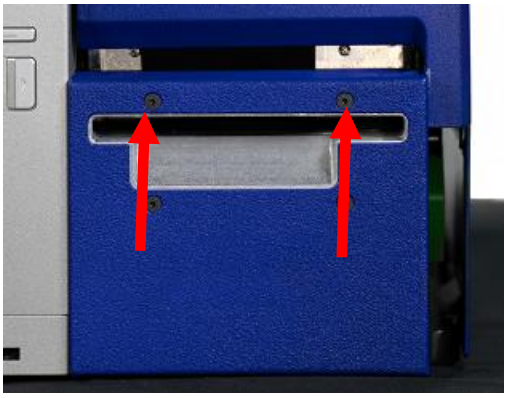


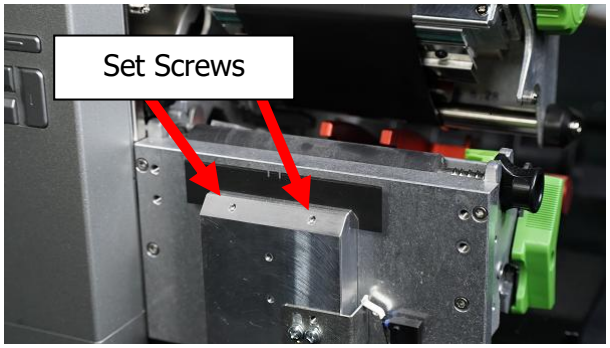
Figure 4

- To access the Cutting Block and Cutting Blade in your SumiMark printer, begin by removing the **Cutter Cover**, held in place by two flathead screws at the front of the machine.



To Change the Cutting Blade:

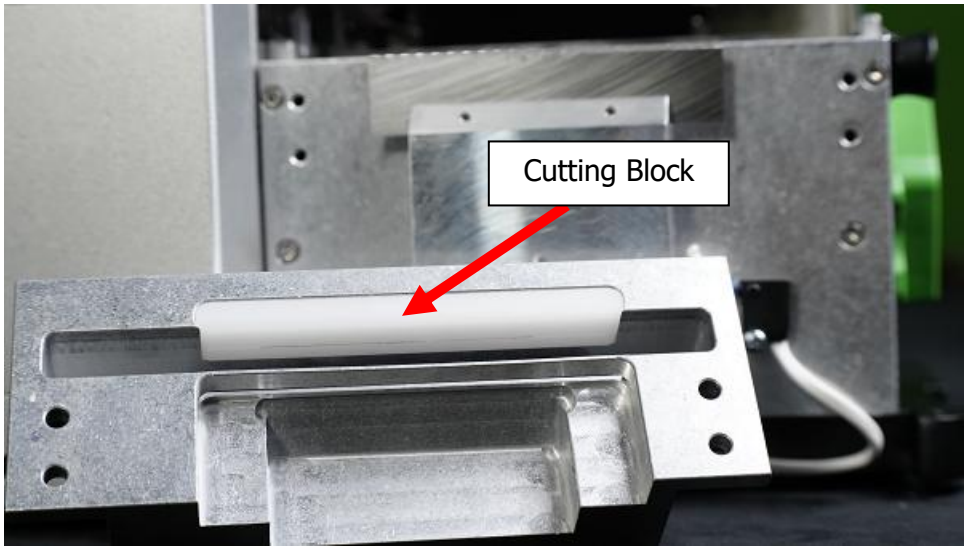
1. Loosen the two **Set Screws** holding the current blade in place, then slide out the blade.



2. Replace with the blade of your choice (straight-edge or perforated) then tighten the **Set Screws** to secure it.

To Change the Cutting Block:

1. Locate the four Allen screws securing the front portion of the **Cutter Head** and remove them.
2. Inside the cutter head will be the white **Cutting Block**; use a flathead screwdriver or other tool to pry it loose, sliding it free of the **Cutter Head**.



3. Rotate the **Cutting Block** or replace as necessary, securing the **Cutter Head** again with the Allen screws after.

After completing your work, replace the **Cutter Cover**, and you're ready to print!

Changing the Platen

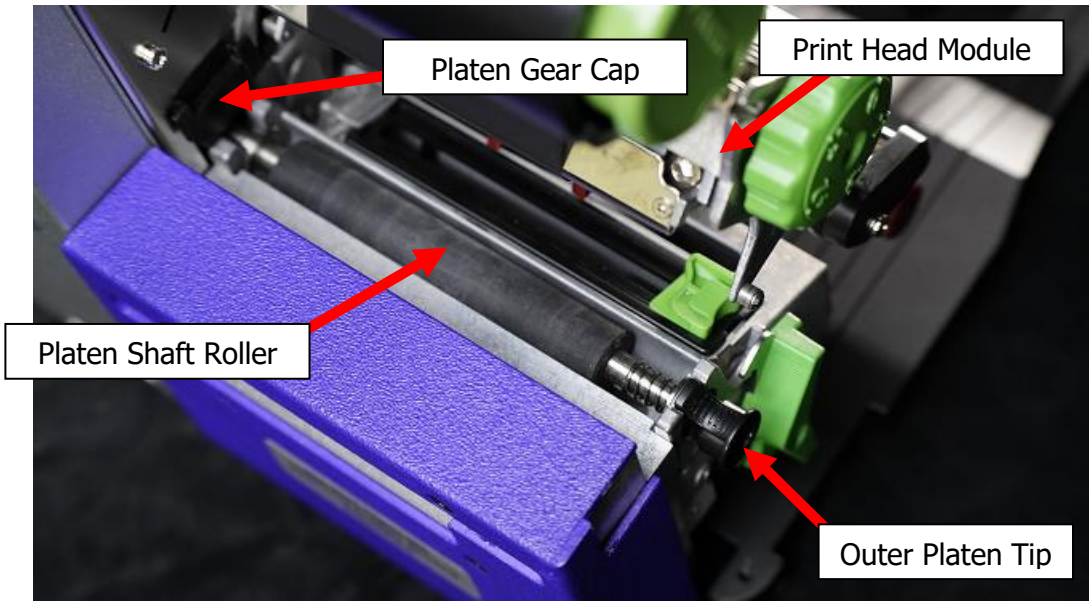


Figure 5

To change out a **Platen Shaft Roller**:

1. Power the printer off
2. Turn the green **Print Head Latch** to the right to unlatch and open the **Print Head Module**.
3. Locate the **Platen Shaft Roller** which is under the **Print Head Module** (see Figure 5)
4. With a flathead screwdriver, remove the **Platen Gear Cap** located on the printer chassis (see Figure 5)
5. Push in on the **Outer Platen Tip** shaft spring loaded end (Figure 6a). This will release the bearing from its position.
6. Now lift the end of the platen out of the cradle making sure the bearing remains out of the mount (Figure 6b).
7. To install the platen, follow the removal instructions in reverse.

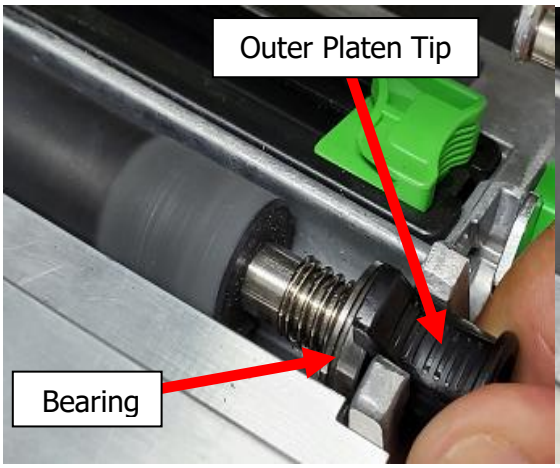


Figure 6a

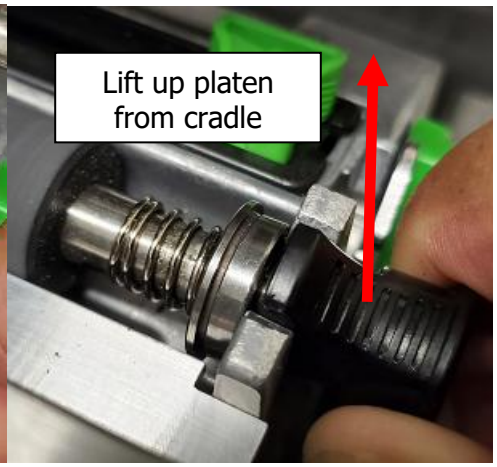
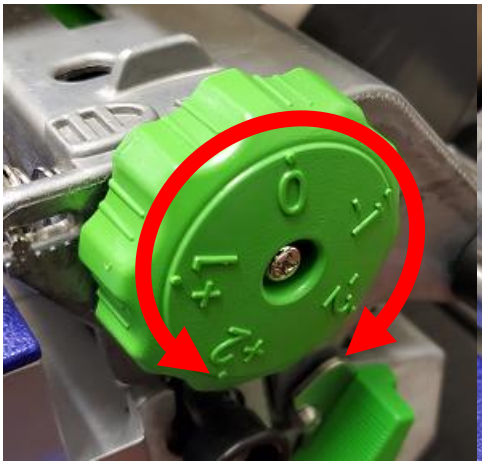


Figure 6b

Print Quality Adjustments



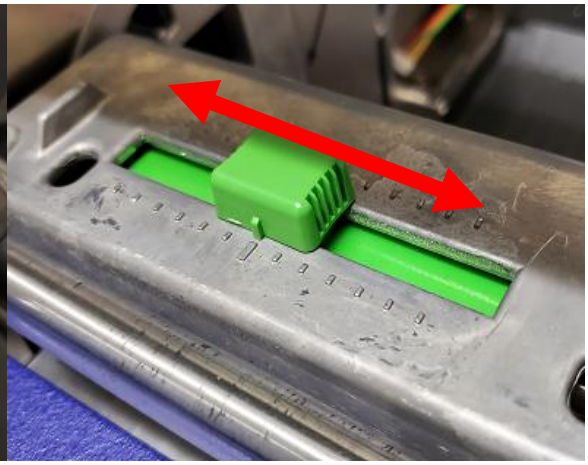


Figure 6a *Figure 6b*

Using the **Printhead Pressure Dial** and certain software settings, you can achieve optimal print quality in mere moments.

1. For all tubing, set the **Printhead Pressure Dial** initially to the **0** (zero) position *(Figure 6a)*
2. For 1/4" and smaller tubing, if the 0 position does not result in quality printing, turn the **Printhead Pressure Dial** initially to the **-1** position
3. For sizes in between 1/2" and 1/4" inch, or for ongoing print quality issues, adjust the Printhead dial as needed, moving to **-1** for medium light or **-2** for light pressure (**Note:** the smaller the tubing, the less pressure it requires for good printing. For example, if you find that using 1/4 inch tubing with the **-1** position continues to produce smudging, try the **-2** position furthest to the right on the dial)
4. If the print quality is still poor, try slowing down the print speed and turning up the temperature in the **Default Print Settings**. Within **SumiLabel**, navigate to **Options -> Printer Options**, select your printer, then click **Default Print Settings**. Try turning the speed down to **2.00"/s (50.80mm/s)** or lower, and set the temperature to **15**.
    - For larger sizes (1" and larger) it may be advisable to use the **Lateral Printhead Adjustment** *(Figure 6b)* to adjust the distribution of pressure across the tubing laterally for a more even print. This will not usually have an effect on smaller tubing sizes, and should be set to the center mark in almost all cases.
    - *Please note: Do not set the temperature any higher than 15 unless directed to do so by an Identification Technician. You risk melting the ribbon and causing damage to the machine.*
5. Despite the appearance of the ribbon, it is not generally the source of smudging. Only adjust the ribbon if directed to do so by a SumiMark technician.

Routine Maintenance



Figure 7

a) After every 1,000ft. roll of ribbon, clean the printhead with **isopropyl alcohol** and a cotton swab. Open the printhead via the printhead latch, lower the access door, and insert the swab from the side. Run back and forth across the printhead surface completely five (5) or more times to ensure that the printhead is properly cleaned.
    - To reduce the amount of cleaning required and prevent unnecessary wear on the printhead, it is advisable to store heat shrink tubing and ribbons in their original boxes with their plastic sheeting, if applicable. This will prevent dust and debris from gathering on the material and damaging the printhead.

b) When performance of the cutter begins to affect printing, refer to **Changing the Cutting Block & Blade** section to inspect, rotate, or replace the cutting block and cutting blade as needed. It is advised to change out the cutting block after a maximum of four (4) rotations, cutting on each side and rotating end to end for an additional two times per side as needed.

Be aware of the following safety protocols:

1. Never attempt to insert any foreign object into the printer not necessary for printing
2. Always unplug your unit prior to performing any maintenance
3. Always operate the unit with the Tubing Cover closed
4. Never attempt to hold or move tubing as it travels through the printer
5. Ensure that the printer is always connected to a power surge protection system

If you have any questions about the printer, feel free to contact Identification Technical Support at **(760) 761-0600.** You can also visit our support site at www.SumiSupport.com for more printer information.

Sumimark IV PLUS Printer Settings

This list details the correct settings for the Sumimark IV PLUS Marking System. Settings highlighted in **BOLD** are critical to printer operation and should be changed only when requested by SEIP technical support.

PRINTER MENU OPTION	CORRECT SETTING
Command Set	**TSPL**
Speed	4ips
Density	10
Direction	**0**
Print Mode	**Cutter Mode**
Offset	**-35 Dot**
Shift X	**20 Dot**
Shift Y	**0 Dot**
Reference X	**0 Dot**
Reference Y	**0 Dot**
Code Page	**850**
SENSOR	**CORRECT SETTING**
Manual Calibration	Standard
Threshold Detect	Auto
Maximum Length	372mm
ADVANCED	**CORRECT SETTING**
Min. Paper	0mm
Max Gap/Mark	0mm

II. Software Installation

Included with your new printer will be a USB flash drive containing several pieces of software—including SumiLabel and IMM—which work in tandem to provide a world-class marking experience. The software suite can be installed in several different ways, depending on the needs of your organization.

An internet connection is required for activation of the IMM and Sumilabel software. SEIP understands that not all organizations have the required connectivity and security permissions to allow this. If necessary, the installation and activation process can be completed over the phone or e-mail, at your discretion.

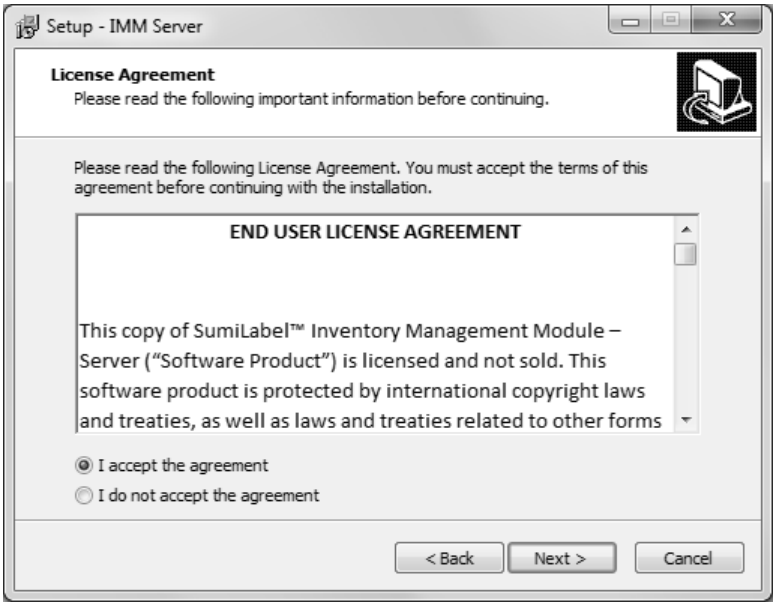
The foundation of the Sumimark® experience is IMM, which should be installed first.

Installing IMM

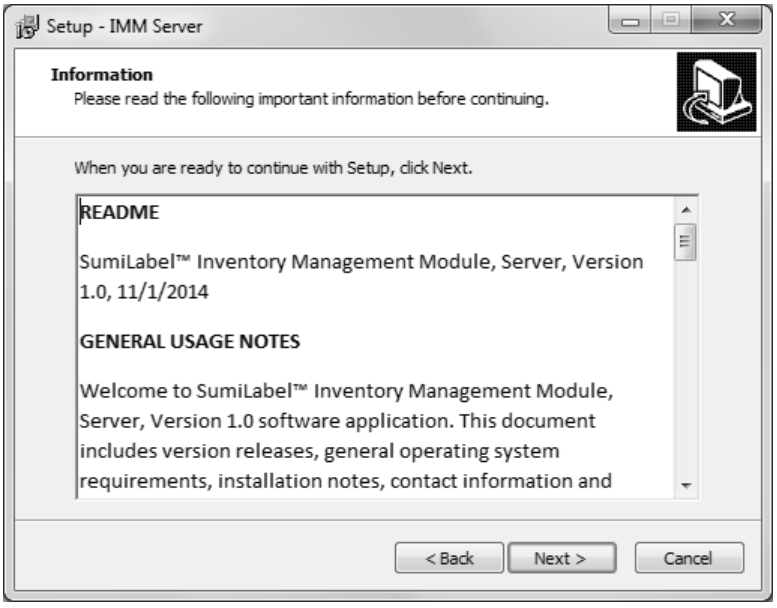
IMM, or the "Inventory Management Module", is the portion of the software suite which handles the QR Codes used for inventory control. Spools of SumiMark® and SumiTag® tubing are stored and processed by their unique code within this module.



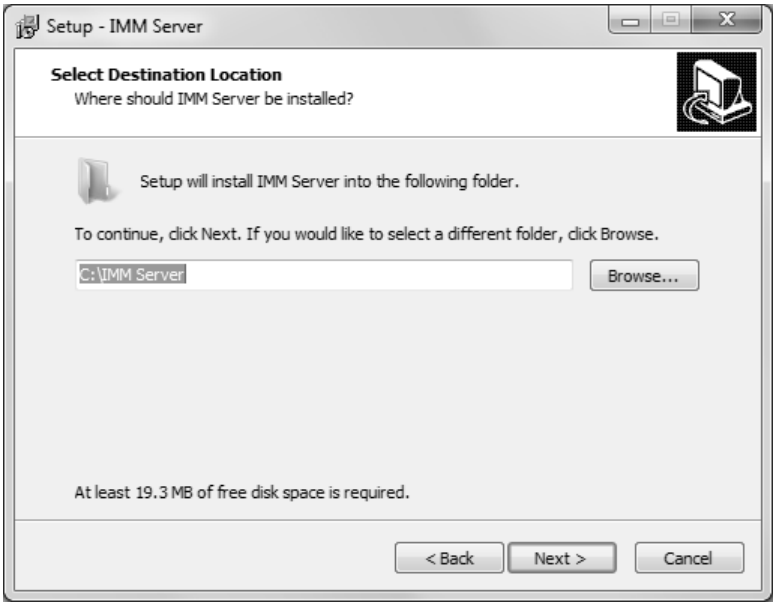
As advised by the "Welcome" screen, you would do well to close other applications during the installation process.



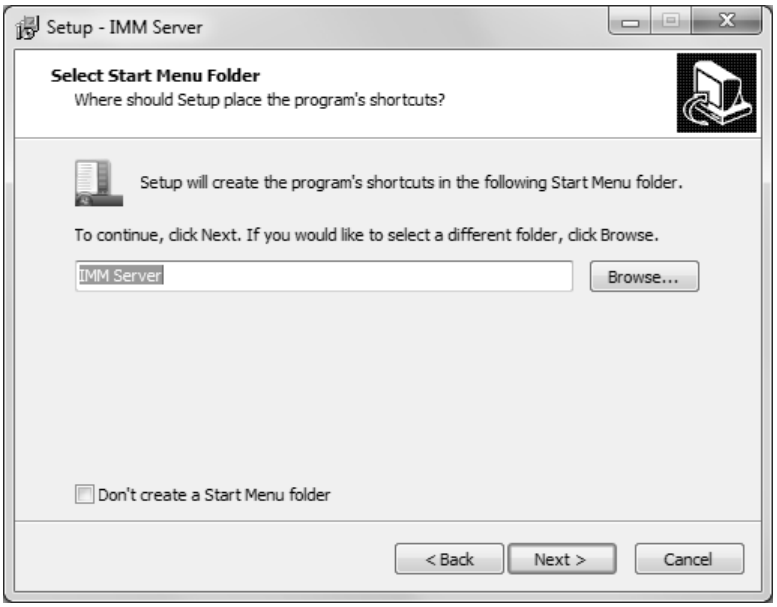
As with all software, the use of IMM is bound by an End User License Agreement. Be sure to peruse the agreement and select "I accept the agreement" once you are satisfied.



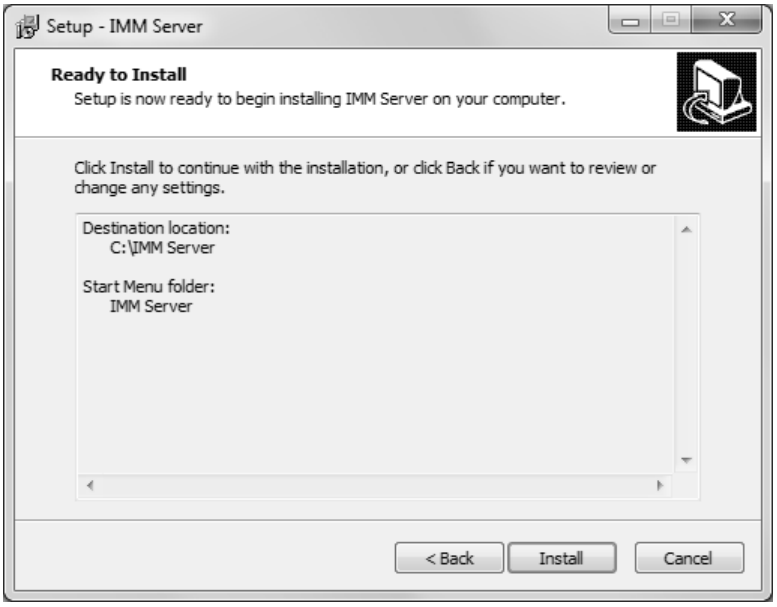
The Readme included with IMM Setup familiarizes you with the system requirements, installation steps, and contact information for technical support. Take a look and click "Next >" when you're ready.



If you like, you may change the directory to which IMM will be installed. The default directory is "C:\IMM_Server", but it can be modified as necessary to best suit your situation. The "Browse…" button will open another window with a Folder Browser to assist you in selecting IMM's new home.

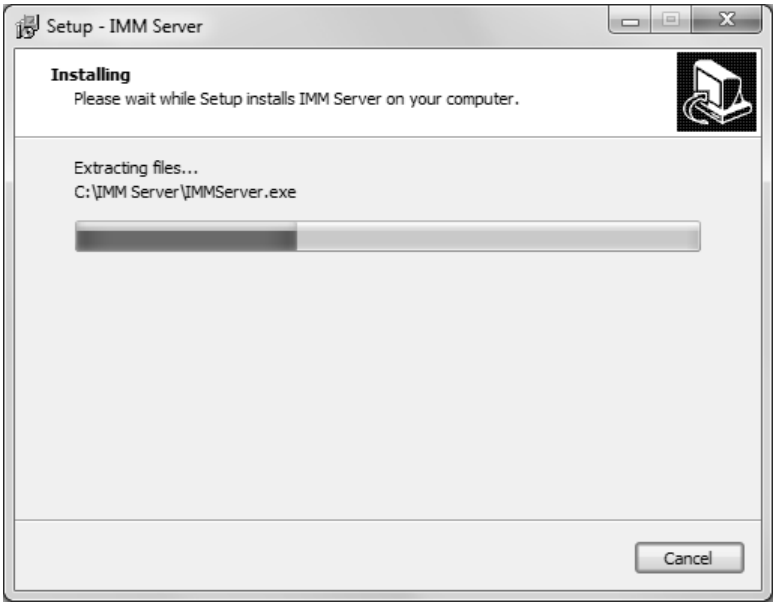


If you wish to customize the Start Menu folder that will be generated when IMM is installed, you may do so on this screen. If you wish to prevent Setup from creating a Start Menu folder, simply check the box labelled "Don't create a Start Menu folder".



The "Ready to Install" screen is your last opportunity to review the details of the installaiton before Setup proceeds to make them a reality.

NOTE: After you click "Install", you will be required to uninstall the software if you are dissatisfied with the installation directory, Start Menu folder, shortcuts, and more. Be sure to review this page to your satisfaction before continuing.



Give Setup a moment to process the installation tasks . . .



The IMM is installed and ready for activation and setup in Sumilabel! Your IMM Activation Serial Number is included in the accessory packaging. You can perform a self-activation with an internet connection. If you do not have an internet connection or are having problems with the activation, please contact us at 1+(760) 761-0600 or via email at Identification@seipusa.com.

Once Sumilabel is installed, you will need to set up the IMM server within the software.

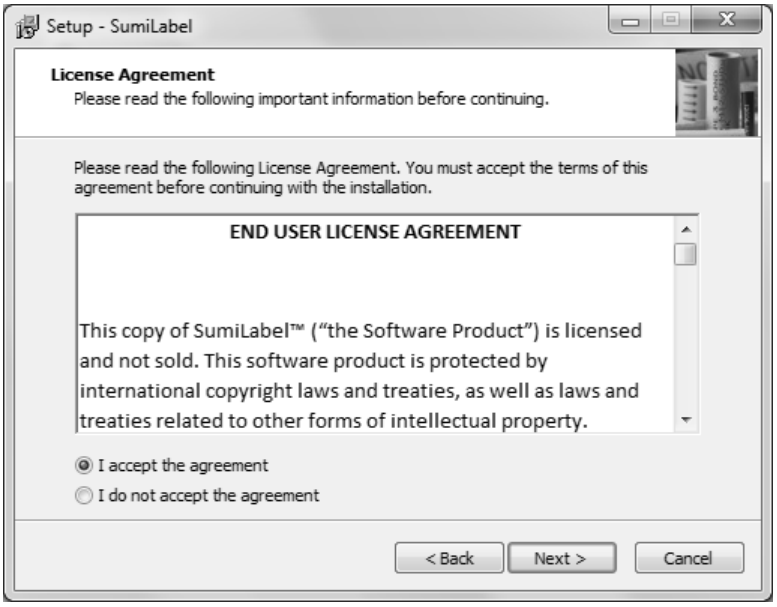
Setup IMM within Sumilabel:
-Go to **Sumilabel Explorer**
-Click on **TOOLS**
-Select **INVENTORY**
-Select **IMM SERVER SETUP** / The server name, port and discovered servers should have automatically populated with the PC info
-Select **VERIFY** then **YES**

Installing SumiLabel

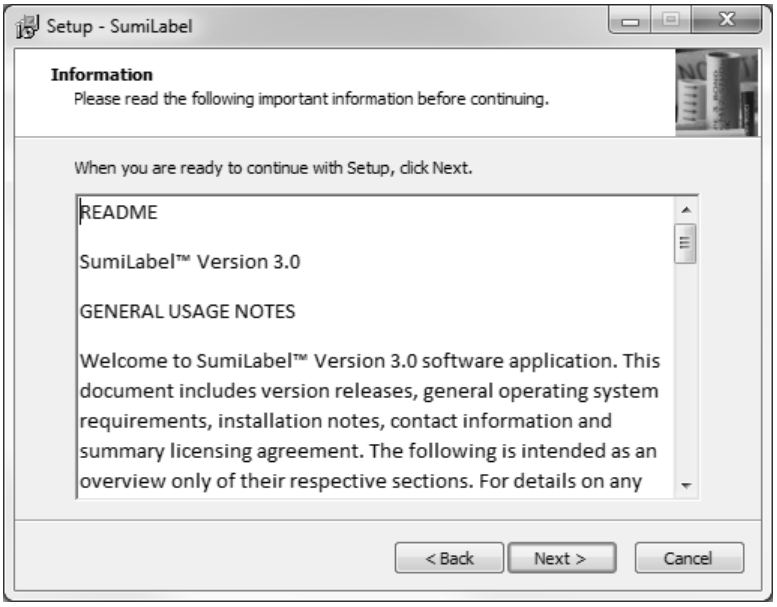
SumiLabel is the main portion of the software suite. It is where the markers are created, edited, and ultimately dispatched to the printer.



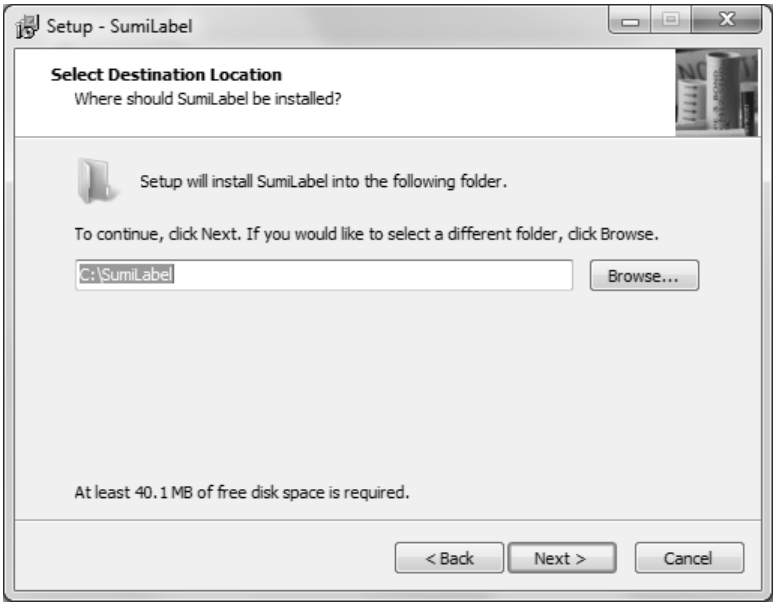
Installing SumiLabel is as easy as following the prompts.



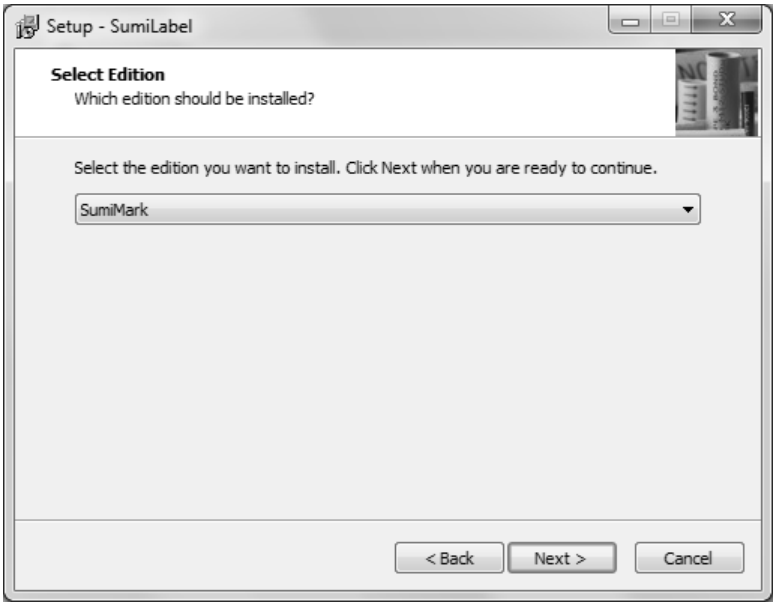
As with all software, the use of SumiLabel is bound by an End User License Agreement. Be sure to peruse the agreement and then select "I accept the agreement".



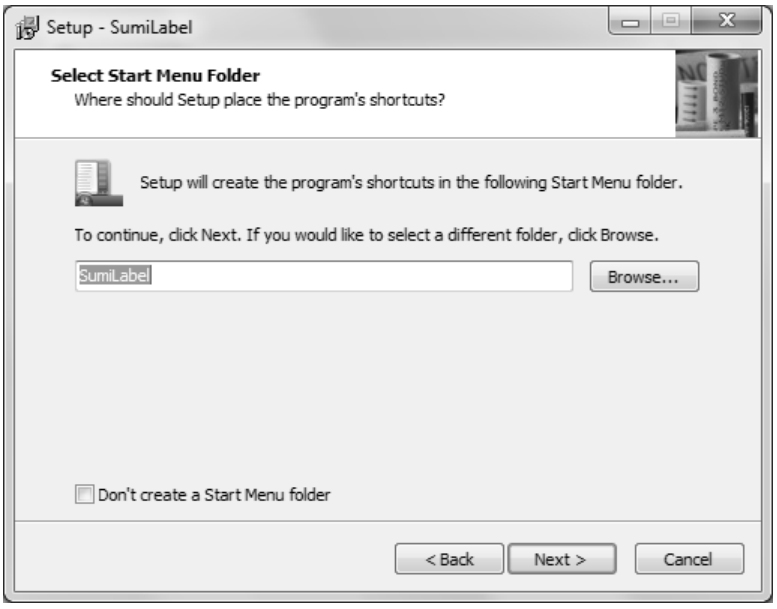
The readme included with SumiLabel setup familiarizes you with the system requirements, installation steps, and contact information for technical support. Peruse the information to your satisfaction, then click the Next button.



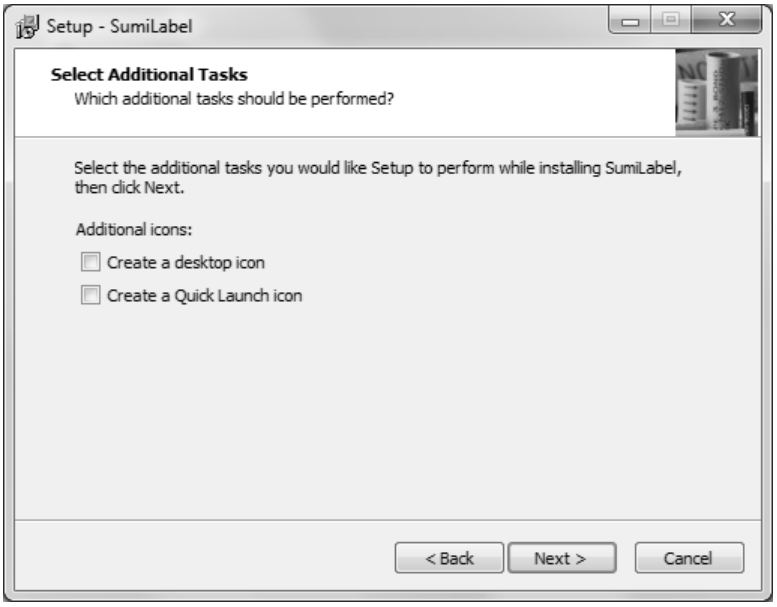
If you like, you may change the directory in which SumiLabel will be installed. The default directory is "C:\SumiLabel", but it can be modified as necessary to best suit your organization's particular configuration of storage drives and directories. The "Browse…" button will open another window with a Folder Browser to assist you in selecting SumiLabel's new home.



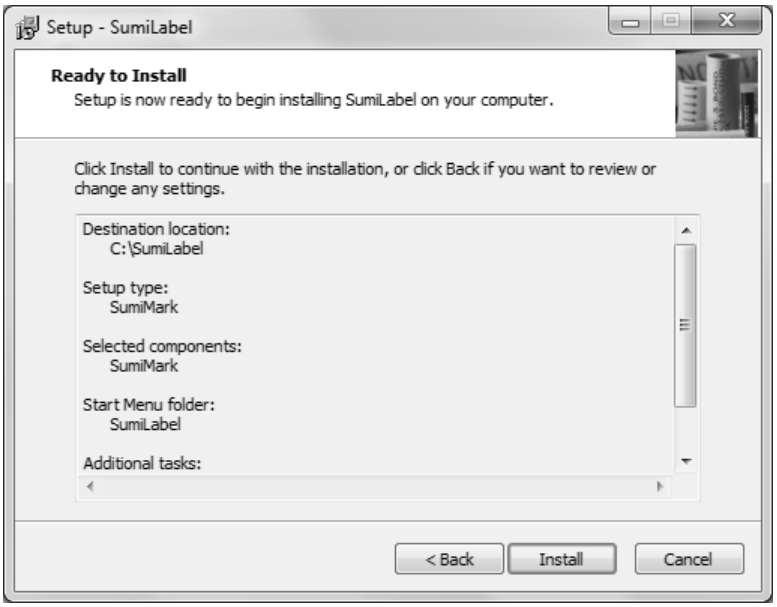
It is very important that you select the proper edition of SumiLabel software during installation for proper use. Selecting the wrong edition can result in unexpected software behavior, and a reinstall may be required to correct the issue. Choose "SumiMark" then click the Next button to proceed.



If you wish to customize the Start Menu folder that will be generated when SumiLabel is installed, you may do so on this screen. If you wish to prevent Setup from creating a Start Menu folder, simply check the box labelled "Don't create a Start Menu folder".

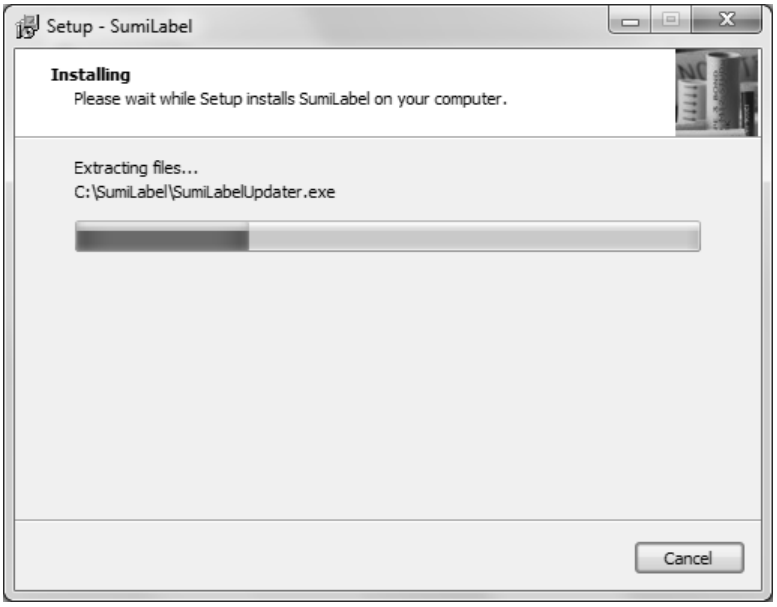


If you wish to have SumiLabel shortcuts on your Desktop or in your Quick Launch bar, check the appropriate boxes here, then click "Next >" to continue.



The "Ready to Install" screen is your last opportunity to review the details of the installation before Setup locks them in.

NOTE: After you click "Install", you will be required to uninstall the software if you are not content with the installation directory, Start Menu folder, shortcuts, and more. Be sure to review this page to your satisfaction before continuing.



Give Setup a moment to process the installation tasks . . .



And then you're done! Sumilabel is installed and ready for activation. Your Sumilabel Activation Serial Number is included in the accessory packaging. You can perform a self-activation with an internet connection. If you do not have an internet connection or are having problems with the activation, please contact us at 1+(760) 761-0600 or via email at Identification@seipusa.com.

Deactivation of Sumilabel

The Sumilabel Software license can be deactivated and moved to another computer up to three times. An Internet connection is needed on both the original computer as well as the new one.

To deactivate:

-Sumilabel Explorer

-Tools

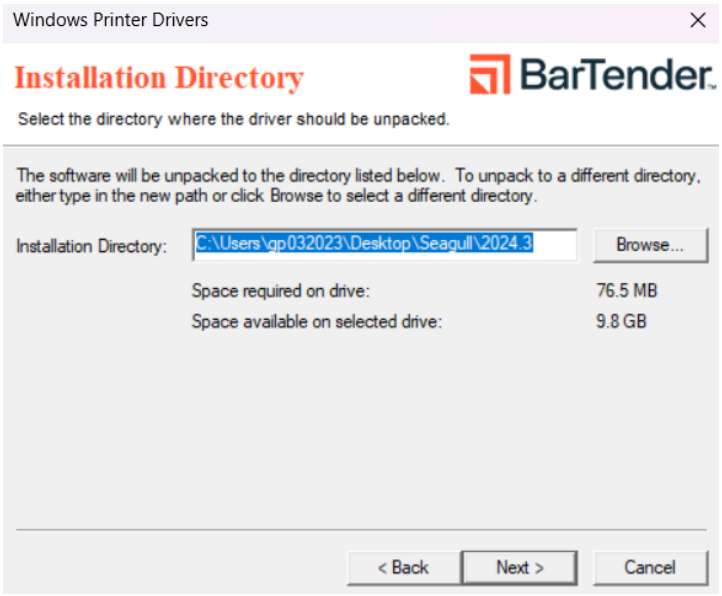
-Deactivate

Installing the Printer Driver

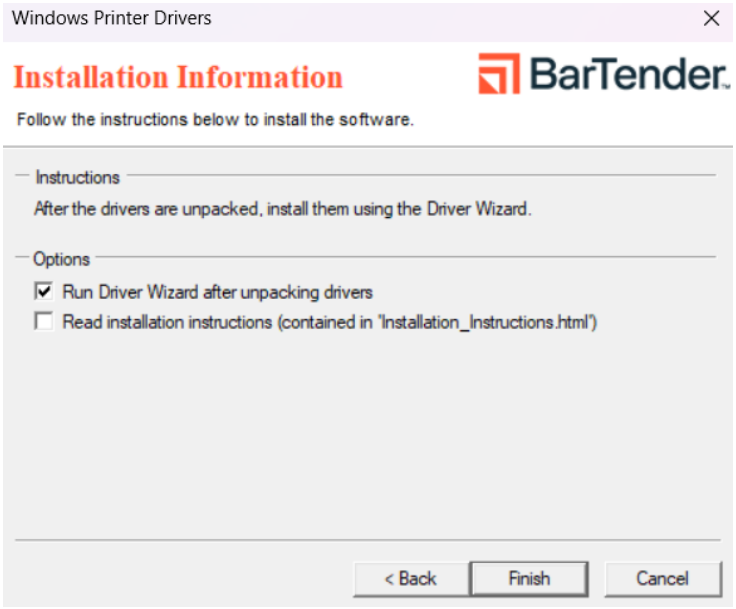
If you have just installed SumiLabel for the first time on the PC, it will be necessary for you to install the printer driver. To install the printer driver, it will have to be obtained.



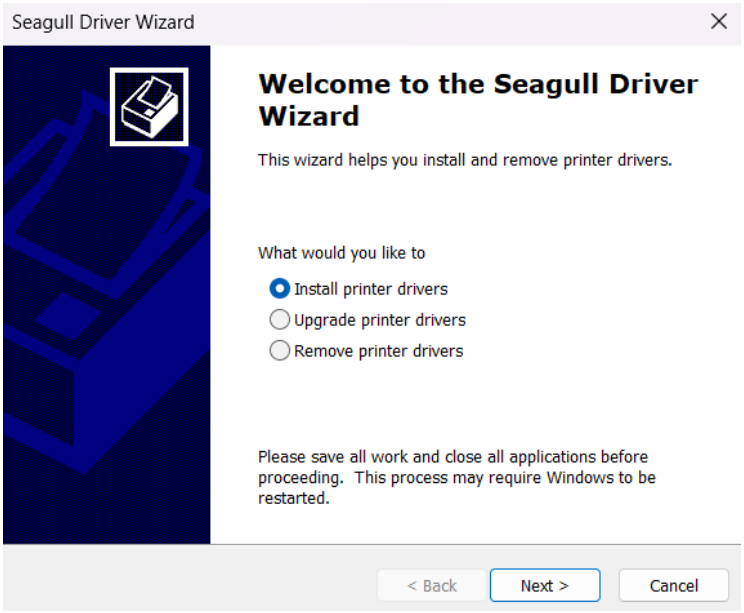
Take a moment to peruse the license agreement and accept at your leisure.



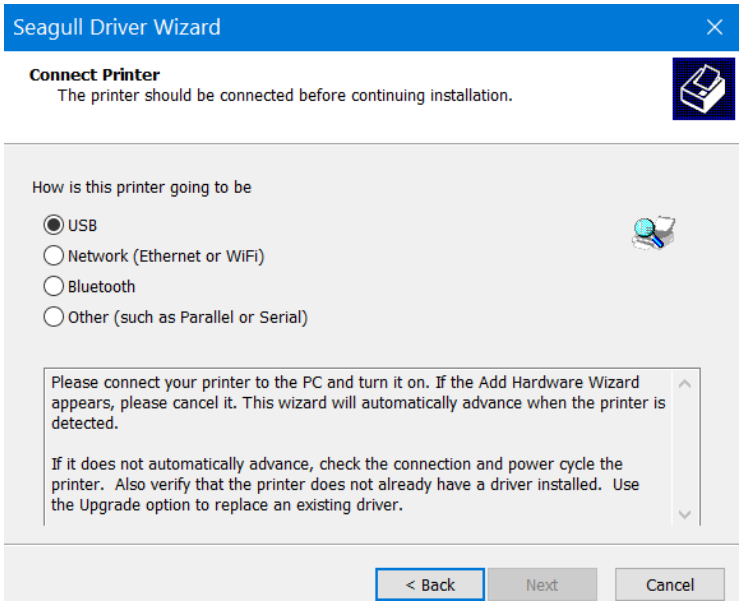
Despite the title of this screen, this is not in fact the directory for the driver installation, but the location where the driver wizard will be unpacked. The default should suffice in most instances.



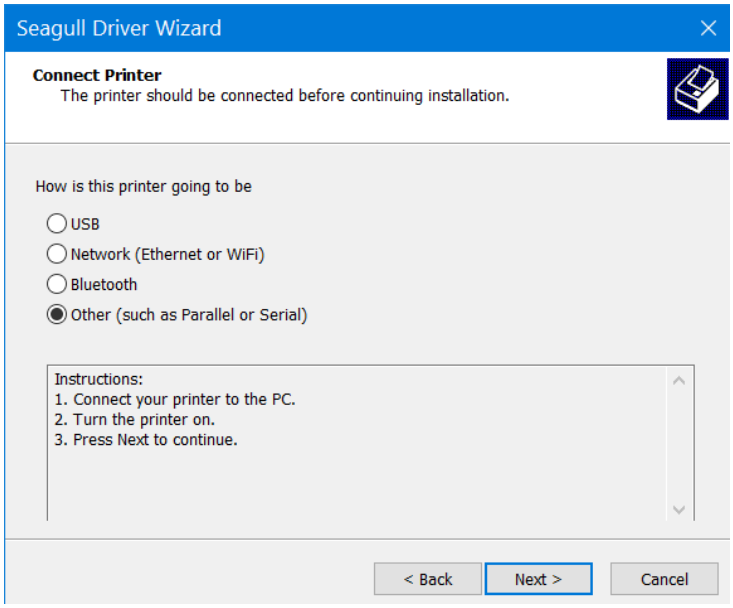
Once the driver wizard is unpacked and ready to use, you can choose to run it immediately by checking the appropriate box on this screen. If you wish to view an .html copy of the driver wizard's installation instructions, you may check the other box here, but thanks to this manual, the instructions should be superfluous.



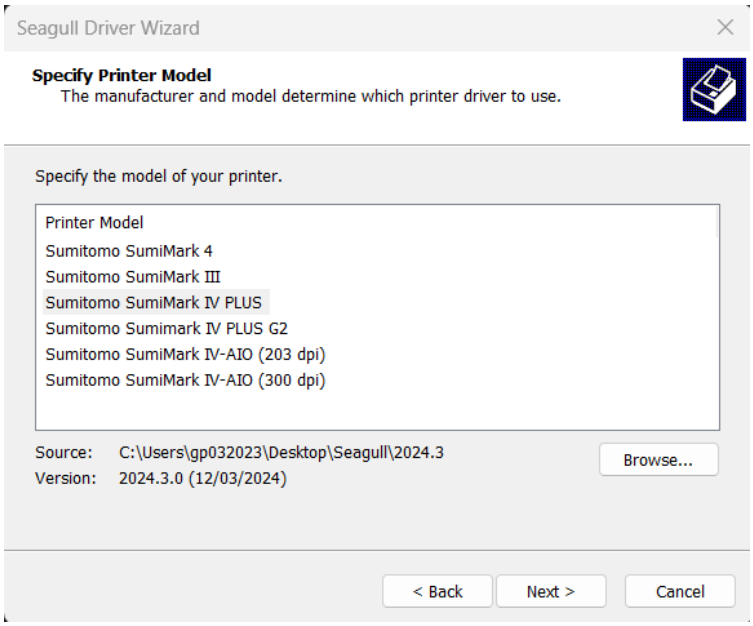
If you're installing a Sumimark® for the first time on a fresh host computer, you should see the above screen. If you see an additional option titled "Upgrade printer drivers", please skip this option and choose "Install printer drivers".



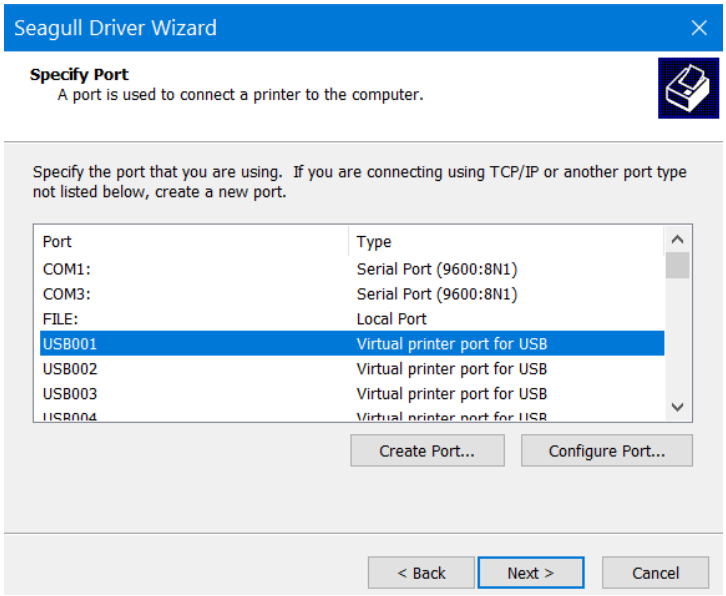
By default, when you reach the "Connect Printer" screen, USB will be selected. It is advised that you select "Other" and then click "Next >", following all subsequent instructions closely.



Ensure that the printer is on, and connected to the PC via USB, or connected to the network via ethernet.



Choose the model of your printer from the list. Note that the "Sumitomo Sumimark 4" driver is not compatible with the Sumimark® IV PLUS or the PLUS G2.
Select Sumimark IV PLUS or Sumimark IV PLUS G2 **(If a G2 appears on the top half of the front touch display of the printer, select the Sumimark IV PLUS G2 driver).**



If you are going to connect your printer and host computer using Ethernet, click on "Create Port…" and proceed to the section of the manual labeled **Print Driver Installation – Section B (Ethernet)**. Otherwise, continue with the next picture.

With the printer connected via USB, the computer should automatically have allocated "Virtual printer ports" for interfacing with the printer. Choose "USB001", or whichever is the first not assigned to another printer if you have multiple printers connected.

If there isn't a "USBXXX" Virtual printer port available, verify that your printer powered on

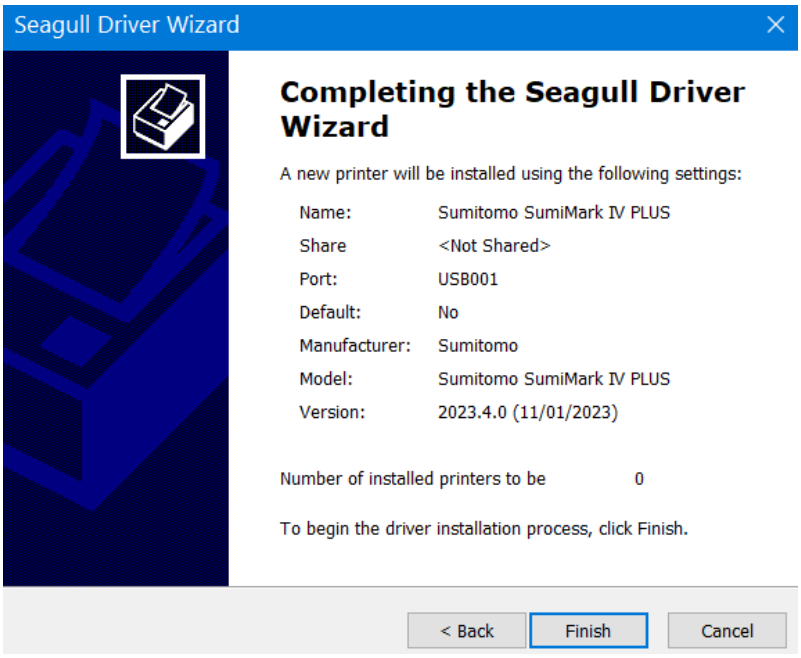
and is connected via the USB cable to the host computer you are attempting to install the driver on. Attempt to plug it into another USB port if need be, restarting the Seagull Driver Wizard if you do try another port.

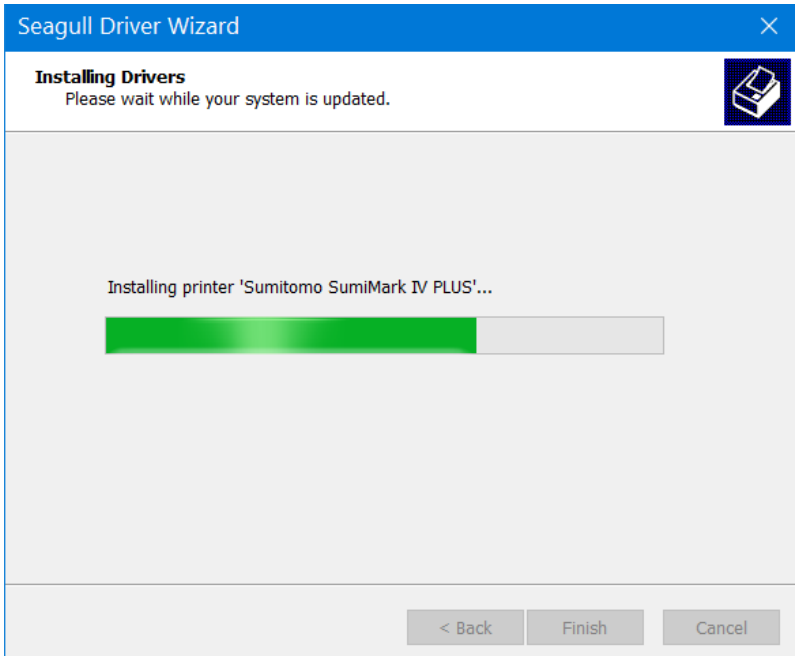


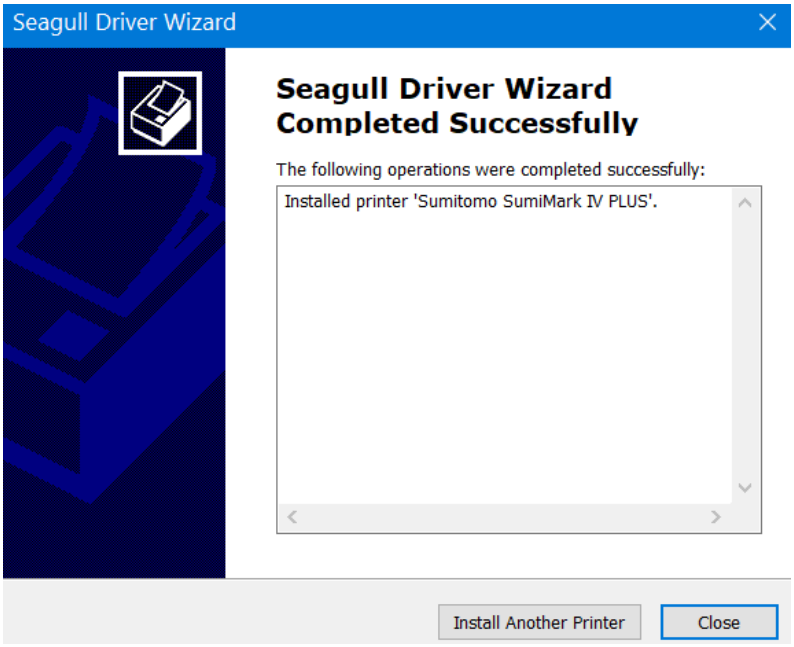
Here, you can specify a name for the printer when it shows up in SumiLabel and other software. For example, if you are running two Sumimark® printers via your company's LAN, you might name one **Sumimark A** and the other **Sumimark B**. If you're only running one printer, you might leave it as is.

NOTE: It is not advised to check "Use this printer as the default browser," as Word documents or other files may be accidentally printed on the Sumimark®.

Regardless of your settings for printer sharing, you will need to repeat the process for installing our speciality driver along with SumiLabel on each machine that will be sending jobs to the printer, so we advise that you leave this set to "Do not share this printer."


Seagull Driver Wizard
Completing the Seagull Driver Wizard
A new printer will be installed using the following settings:
Name: Sumitomo SumiMark IV PLUS
Share <Not Shared>
Port: USB001
Default: No
Manufacturer: Sumitomo
Model: Sumitomo SumiMark IV PLUS
Version: 2023.4.0 (11/01/2023)
Number of installed printers to be 0
To begin the driver installation process, click Finish.
< Back
Finish
Cancel


Seagull Driver Wizard
Installing Drivers
Please wait while your system is updated.
Installing printer 'Sumitomo SumiMark IV PLUS'...
< Back
Finish
Cancel

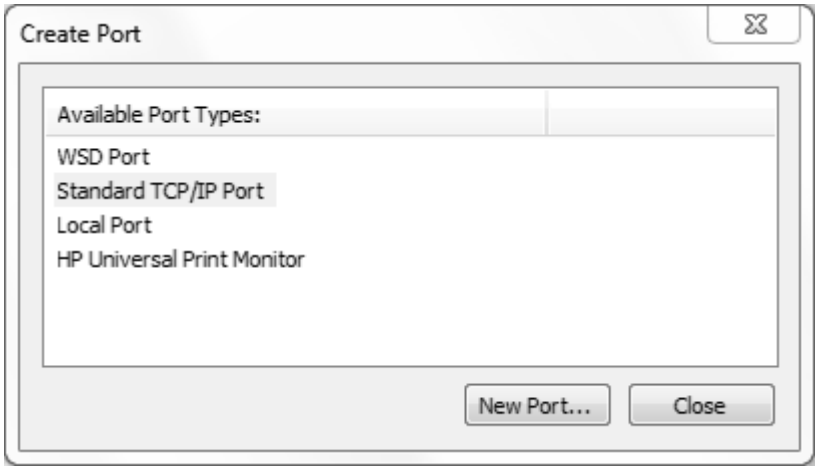


If you were able to select the USB Virtual printer port earlier in the installation process then congratulations—after you click "Finish," your printer driver is installed and is ready to be assigned in Sumilabel.

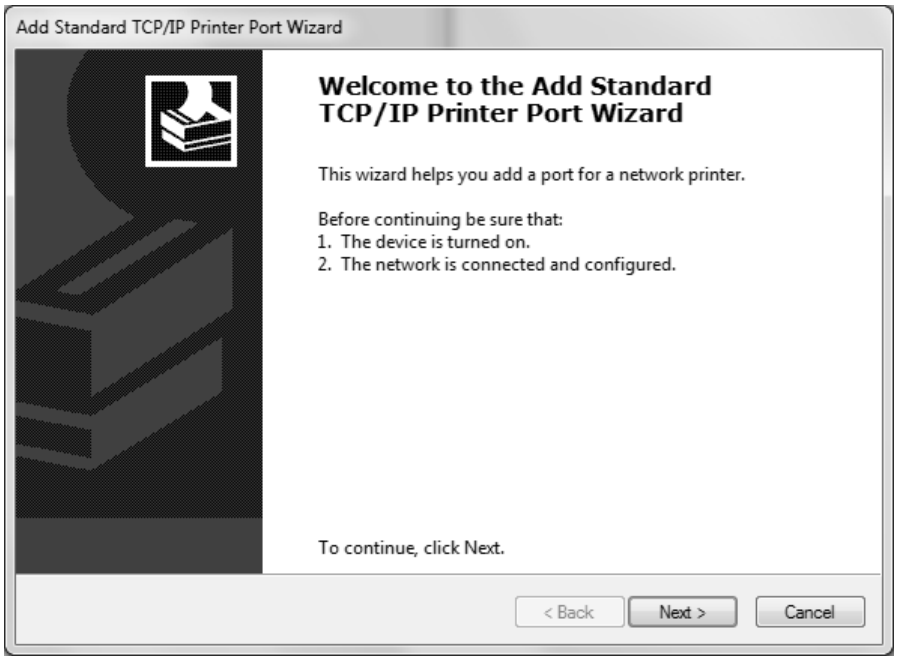
Assign the Sumimark IV PLUS or PLUS G2 printer in Sumilabel:
- **Sumilabel Explorer** screen
-On the Explorer screen click on **OPTIONS**
-Select **PRINTER OPTIONS**
-Highlight the Sumimark IV PLUS or PLUS G2 printer in the **System Installed Printers** box / Click **ADD** / Printer will appear in **Application Printers** box below
-Check the default box next to the printer
-Click **OK**

Print Driver Section B: (Ethernet)

First things first: let's set up a new TCP/IP port.

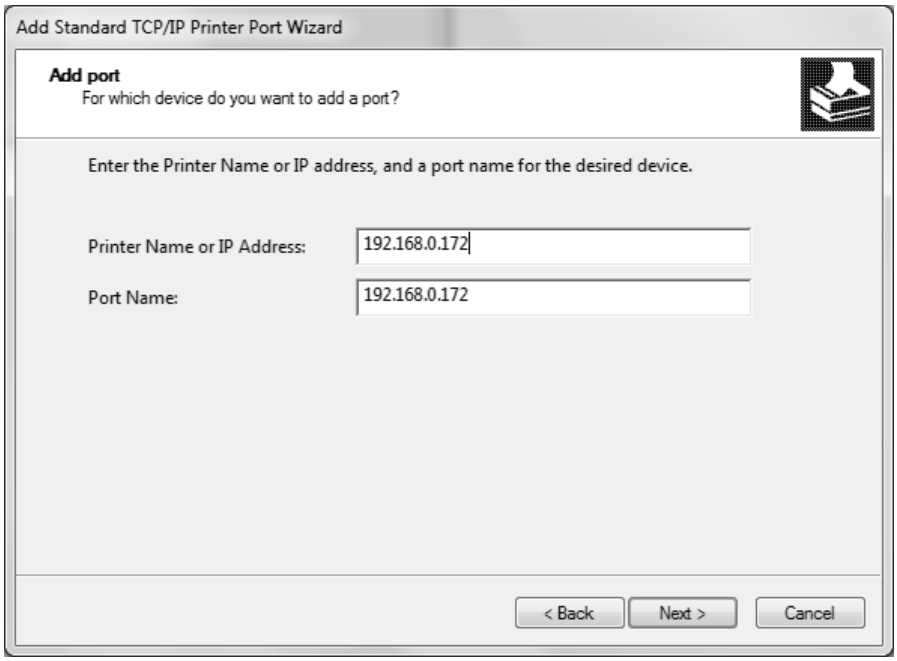


After clicking the Create Port. . . button, You will see a list of "Available Port Types:"—select "Standard TCP/IP Port and then click New Port…



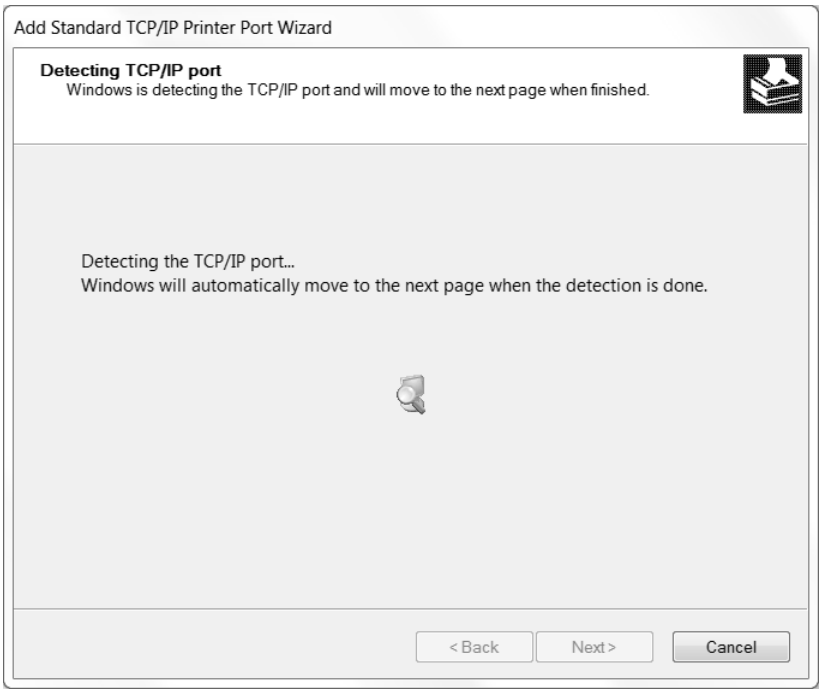
As with the USB-style driver installation, please verify that the printer is powered on and connected before proceeding, this time ensuring that it is connected via Ethernet.

Also, prior to proceeding with the installation, determine an available IP address on your Local Area Network, as you will be manually setting that on the next screen.



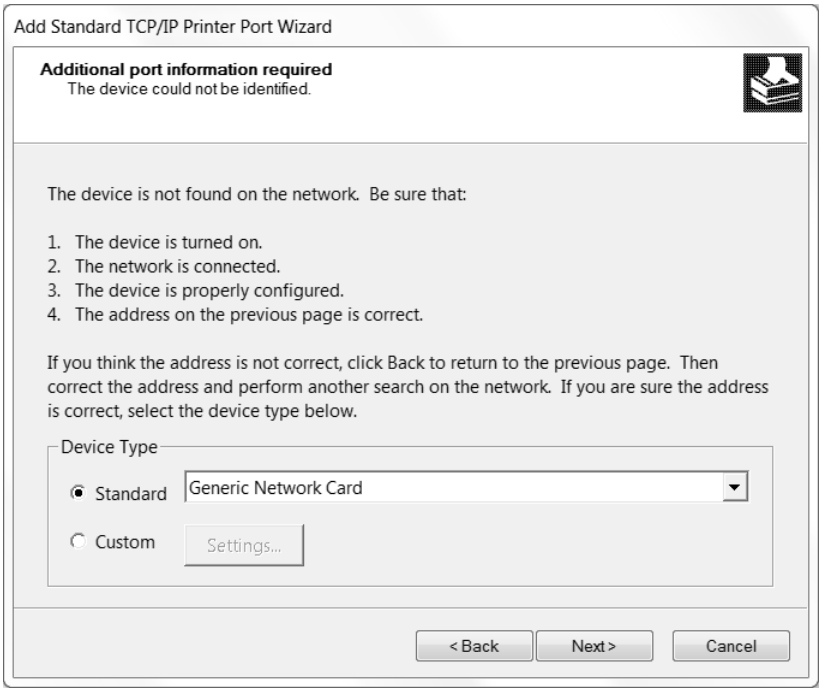
Enter the IP address determined to be available on your LAN here. As you enter the IP address in the top field, the bottom field should automatically populate with a "Port Name".

The "Port Name" can be changed to uniquely name this particular TCP/IP configuration in the Driver Wizard. The default (where the "Port Name" matched the IP Address entered) is encouraged.

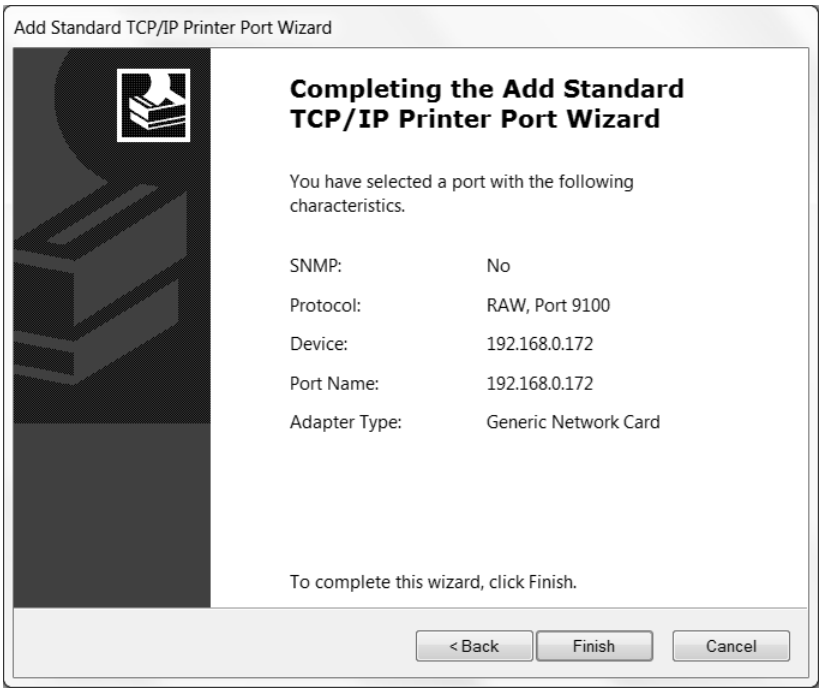


Allow the Printer Port Wizard to verify the details of your manually entered TCP/IP port.

Please Note: The Printer Port Wizard may not be able to verify the newly entered TCP/IP port. Bear in mind that this does not necessarily mean the port will not function as expected.



If you see the screen above, simply note that the Printer Port Wizard was unable to verify the TCP/IP port (for future diagnostic purposes), ensure that "Generic Network Card" is selected under Device Type -> Standard -> drop-down menu, then click Next >.



Congratulations! Your TCP/IP Printer Port should now be properly configured, and is available for selection when you click Finish and return to the Seagull Driver Wizard's Specify Port prompt.

III. QR Labels and the IMM

Before any printing can take place on the SumiMark IV 300dpi printer, QR footage codes from the SumiMark spools will need to be entered into the IMM.

Each SumiMark branded spool will have a QR label available on it (See *Example 1*). This label code provides the software with the digital footage of which is needed to print.

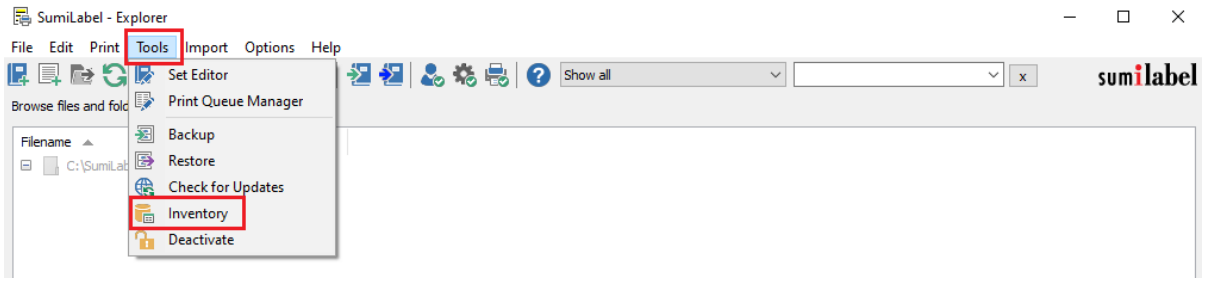
If your SumiMark spools do not have these labels, please request replacements at www.SumiSupport.com. Replacement labels, upon approval and product verification, can be provided.

Example 1

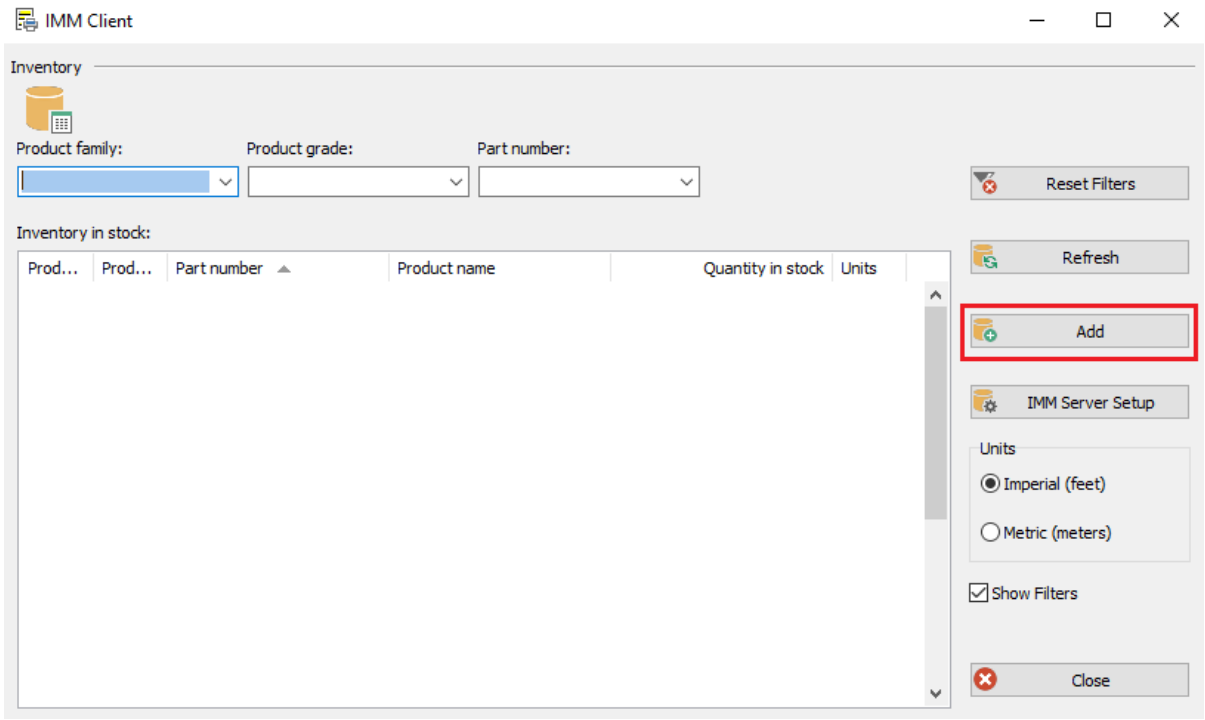


Entering Footage in IMM

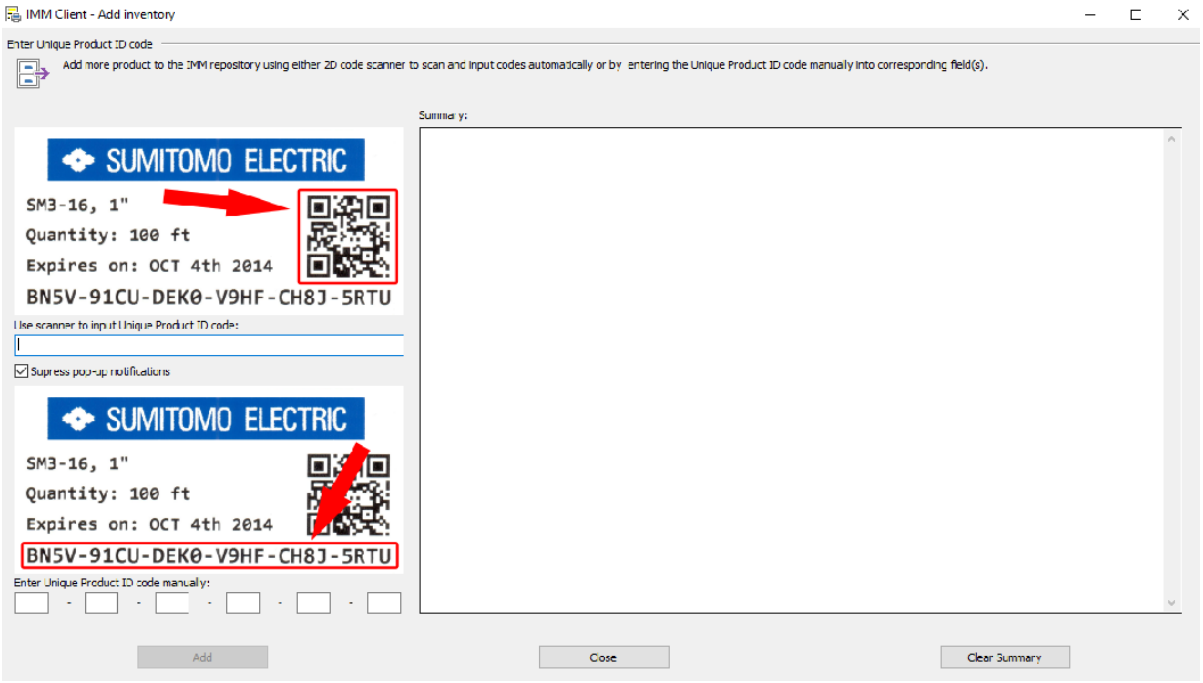
Open SumiLabel.
On the Sumilabel Explorer screen, click ***Tools*** then ***Inventory***.



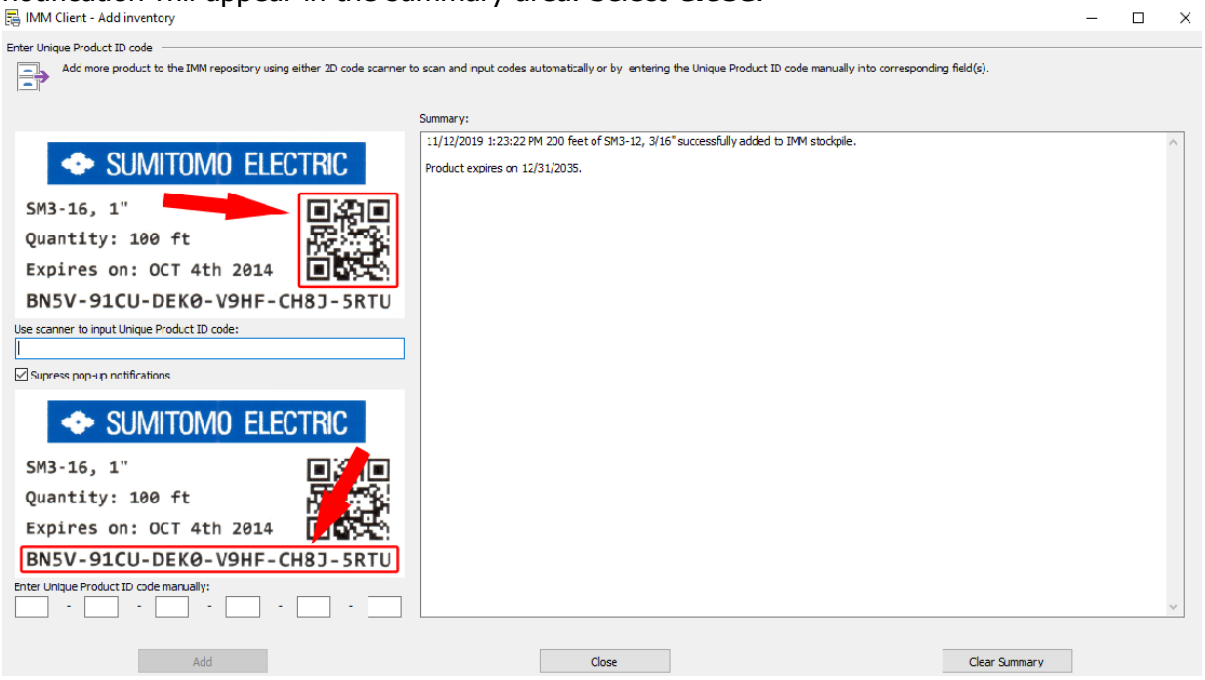
When the IMM Client window opens, select ***Add***.



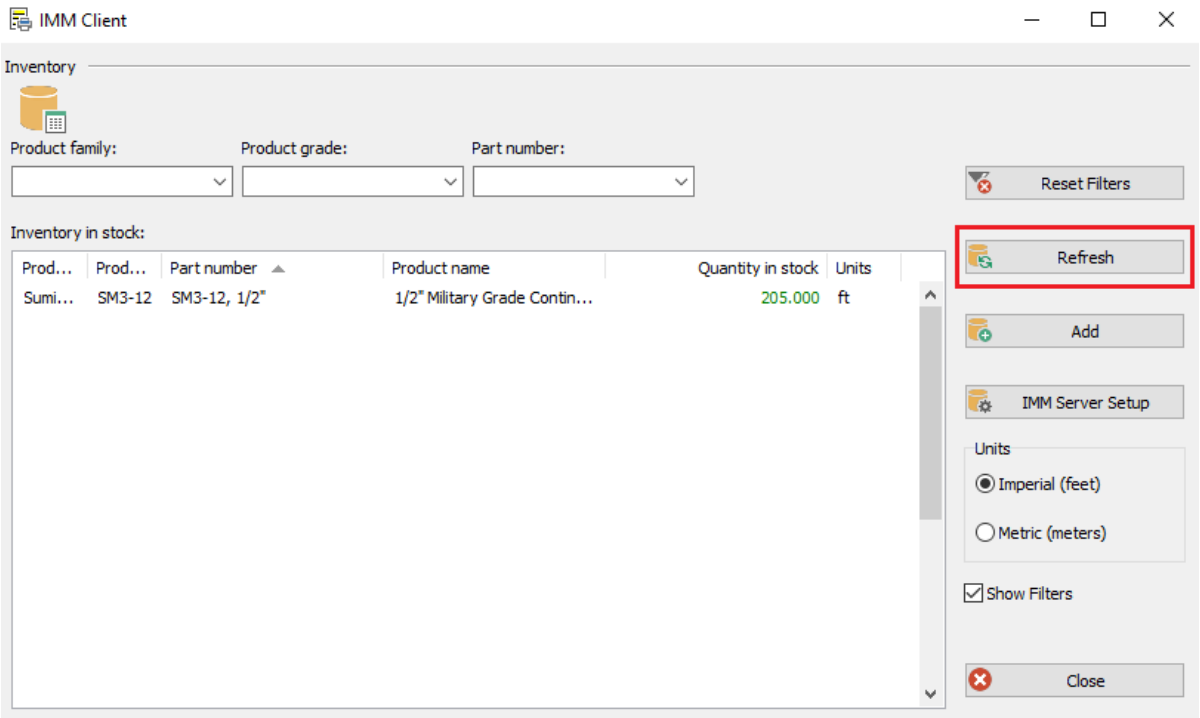
On the left side you can see 2 examples of the information that will be used from the labels. The blank box on the top will populate after scanning the QR label with a 2D scanner.
If a 2D scanner is not available, the bottom 6 boxes is where you can manually enter the 24 character code.



Once the label has been scanned or manually entered successfully, a confirmation notification will appear in the summary area. Select ***Close***.



Once the IMM Client window opens, click on ***Refresh***. The recently entered QR label will now appear in the listing along with how much footage there is available for printing.



The IMM Client window can now be closed. You are now ready to create your markers.

IV. Introduction to SumiLabel

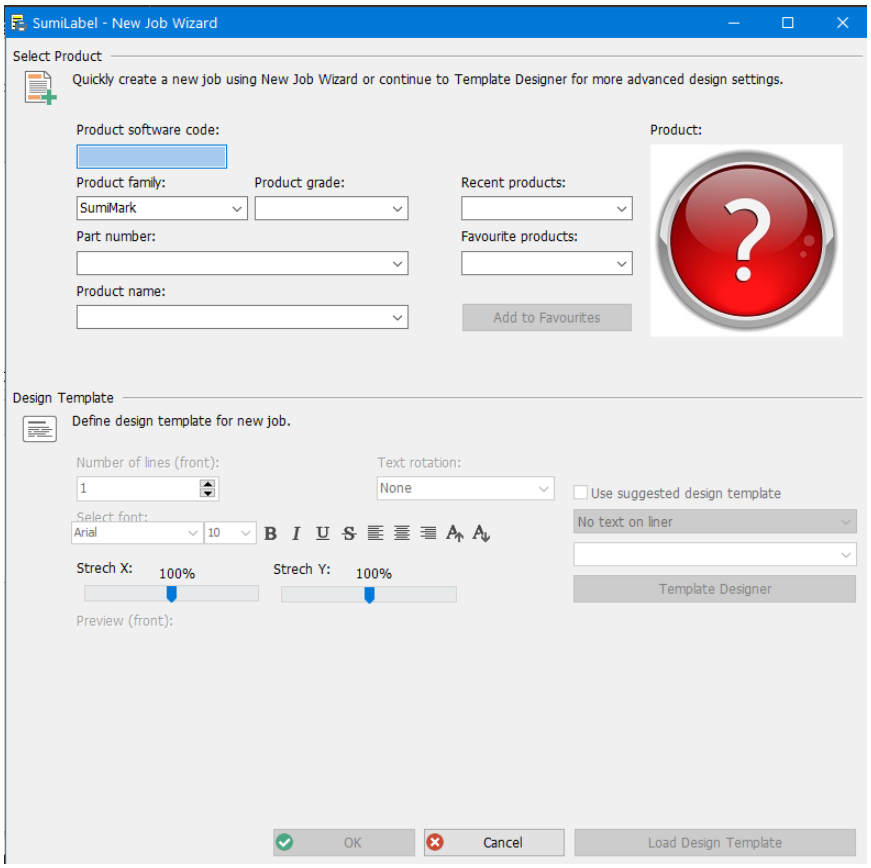
Sumilabel organizes your markers according to an intuitive hierarchy. There are three types of items in the chain: Sets, Jobs, and individual Markers. Every Set is comprised of one or more Jobs, and every Job is comprised of one or more Markers.

In addition, each Job can use a different type or size of tubing, helping you organize your work according to the scope of your projects.

When a new project comes along, you'll want to create a new Set for it. How, you ask?

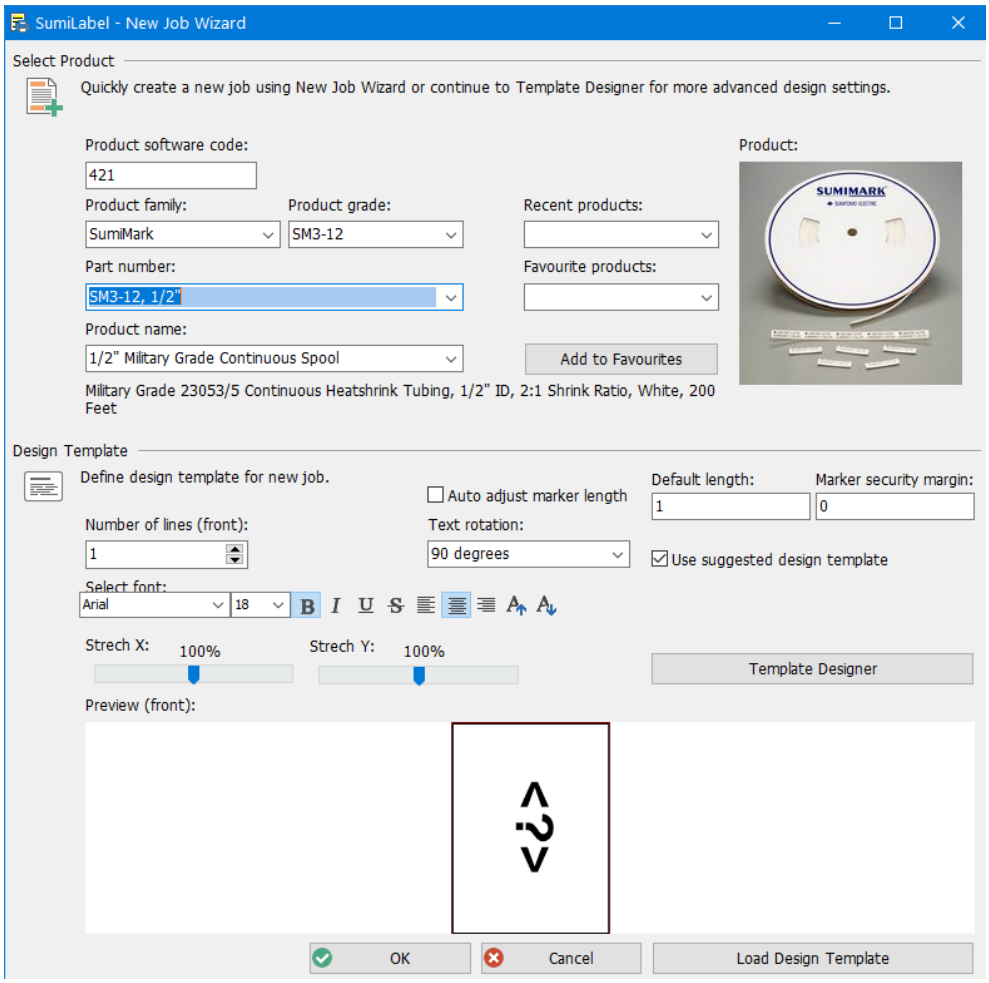
The New Job Wizard

To create a new Set, simply click the  New Set icon or navigate to File -> New -> Set. This will open the New Job Wizard, and will be your first opportunity to modify the type, size, and base template for your markers.



The upper portion of the New Job Wizard window contains several dropdown menus for you to select the specific product being printed upon. There are three key aspects to each product: the Product grade (e.g. SM3-12), the Part number (e.g. 1/2"), and the Product name (Automatically populated upon selecting both the Product grade and the Part number, e.g. 1/2" Military Grade Continuous Spool).

The lower portion of the New Job Wizard contains the Design Template, where you are free to modify the base template used for markers in the first Job of your new Set.



There are several key elements to understand in order to make effective use of the Design Template. Note that your choices will apply to every marker in the first Job of your set unless otherwise specified.

- **"Number of lines (front)"** sets the default of number of lines for your markers. Got a series of three-line markers you need to make? Up the number of lines to three, and away you go! As you can tell, this is for the front side of the marker only. But for all intents and purposes, **unless you have the SumiTag DS printer**, you'll only be dealing with the "front" side of your markers anyways.

- The **"Select font"** section controls the style of the marker's text in terms of font, modifiers, and size in the same fashion as any text editor. (e.g. Times New Roman, 12 pt., Bold, Center Aligned)

- **"Default length"** defines the default minimum length (in Inches) for your markers.

- When a new marker is added to the Job, it will assume the length specified here, with a few exceptions for choosing a length shorter than the combined security margins or the length of text in an Auto-adjusting marker.

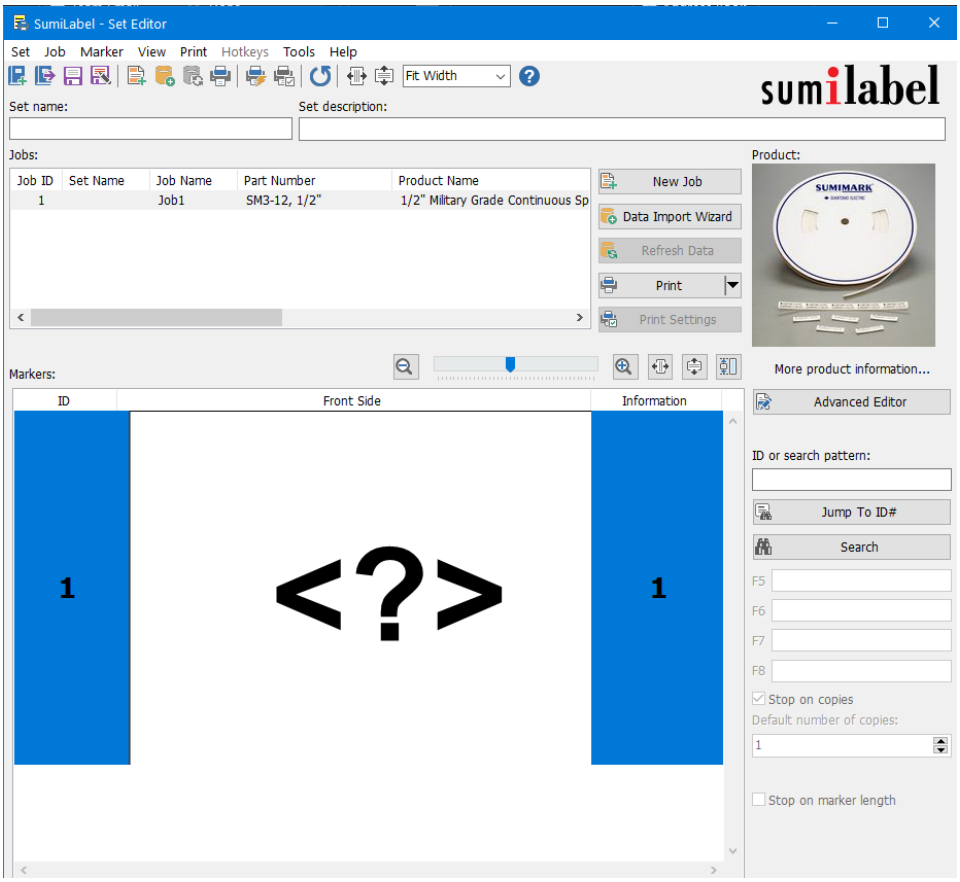
- The **"Auto adjust marker length"** checkbox will set your markers to automatically add length to accommodate the longest string of text or otherwise display all elements on your marker. Uncheck this for fixed-length markers—when a line of text is too long to fully display, the editor will notify you by changing the text to be red.

- **"Marker security margin"** allows you to set (in Inches) the amount of blank marker to be left at either end.

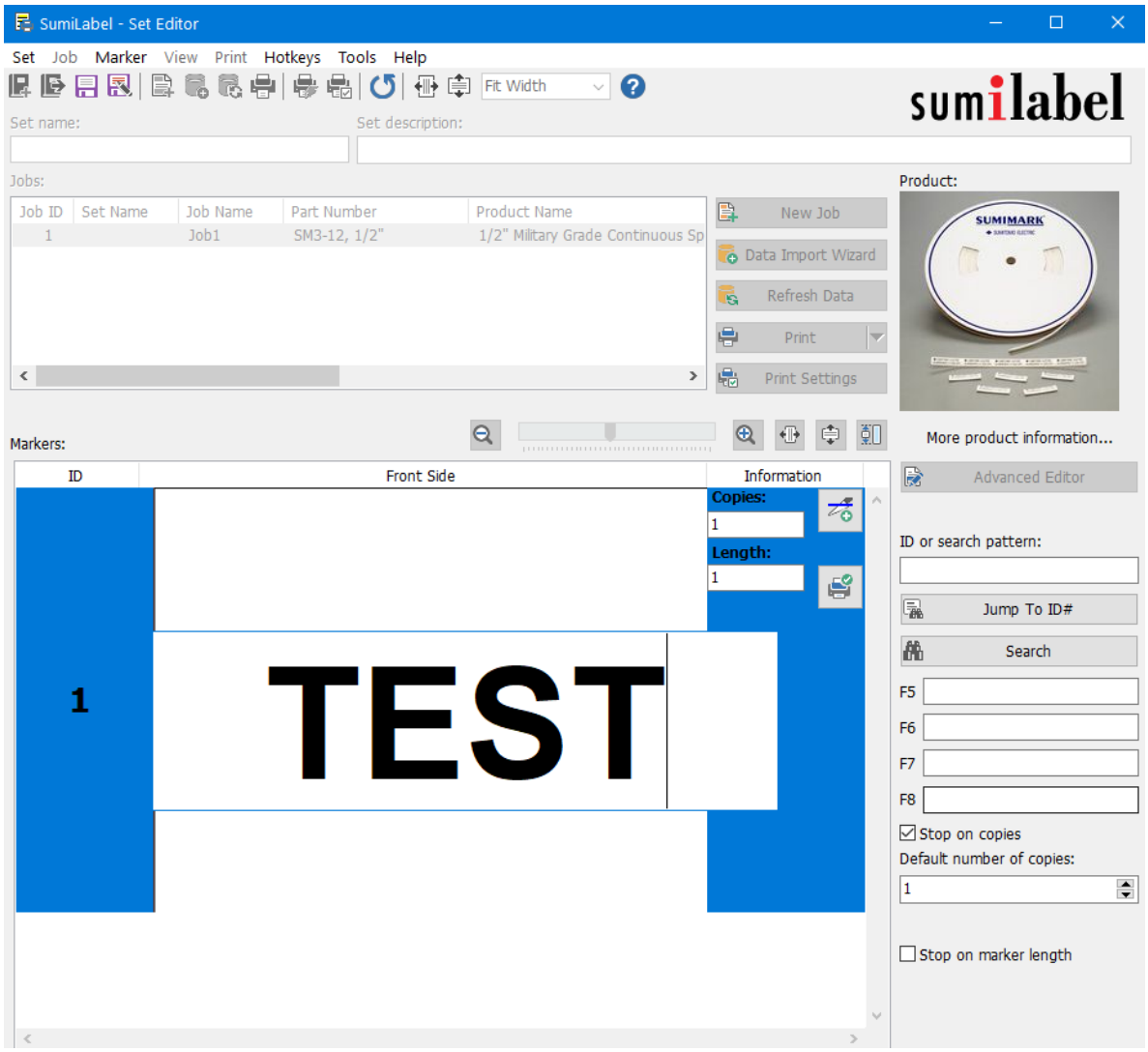
Use the **"Preview (front)"** window to verify that your marker template is arranged properly, then click OK to progress to the Basic Editor where you can begin entering text.

The Set Editor

In the Set Editor, your view should look something like this:

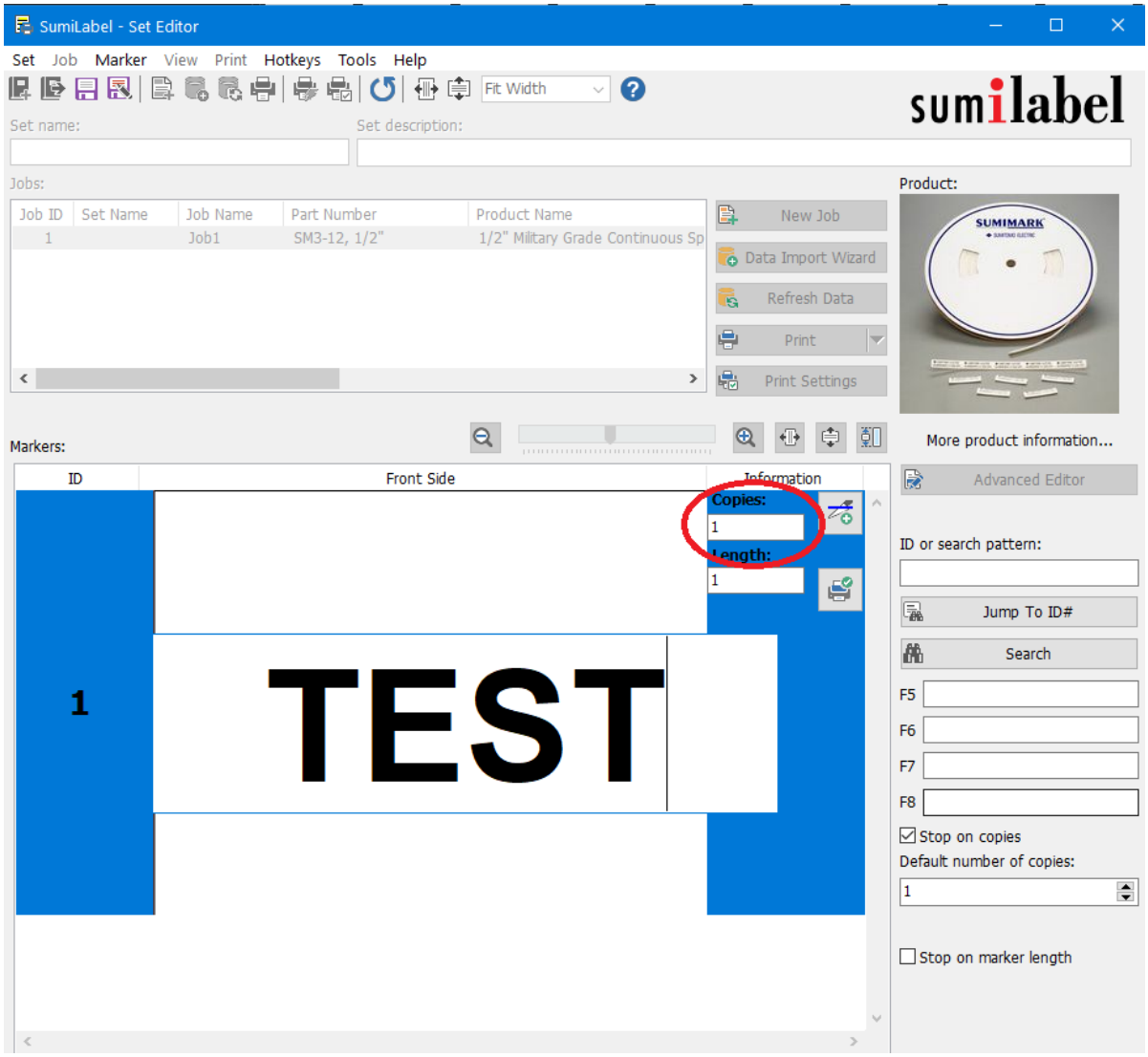


The **<?>** symbol indicates a blank text element on your marker, ready to be filled with information. Bear in mind that the **<?>** symbol is a placeholder; if you were to print this marker, the result would be a completely blank marker sized to your default length.
To begin entering text, either double click the marker in question to enter the mode for editing your markers.



You'll notice that the first text element (or only text element) of your marker has been opened for editing once you have double-clicked on the element. Note that in the event of multi-line markers, no matter where you double-click on the marker, the first text element on the marker will always be the first field that is opened for editing.

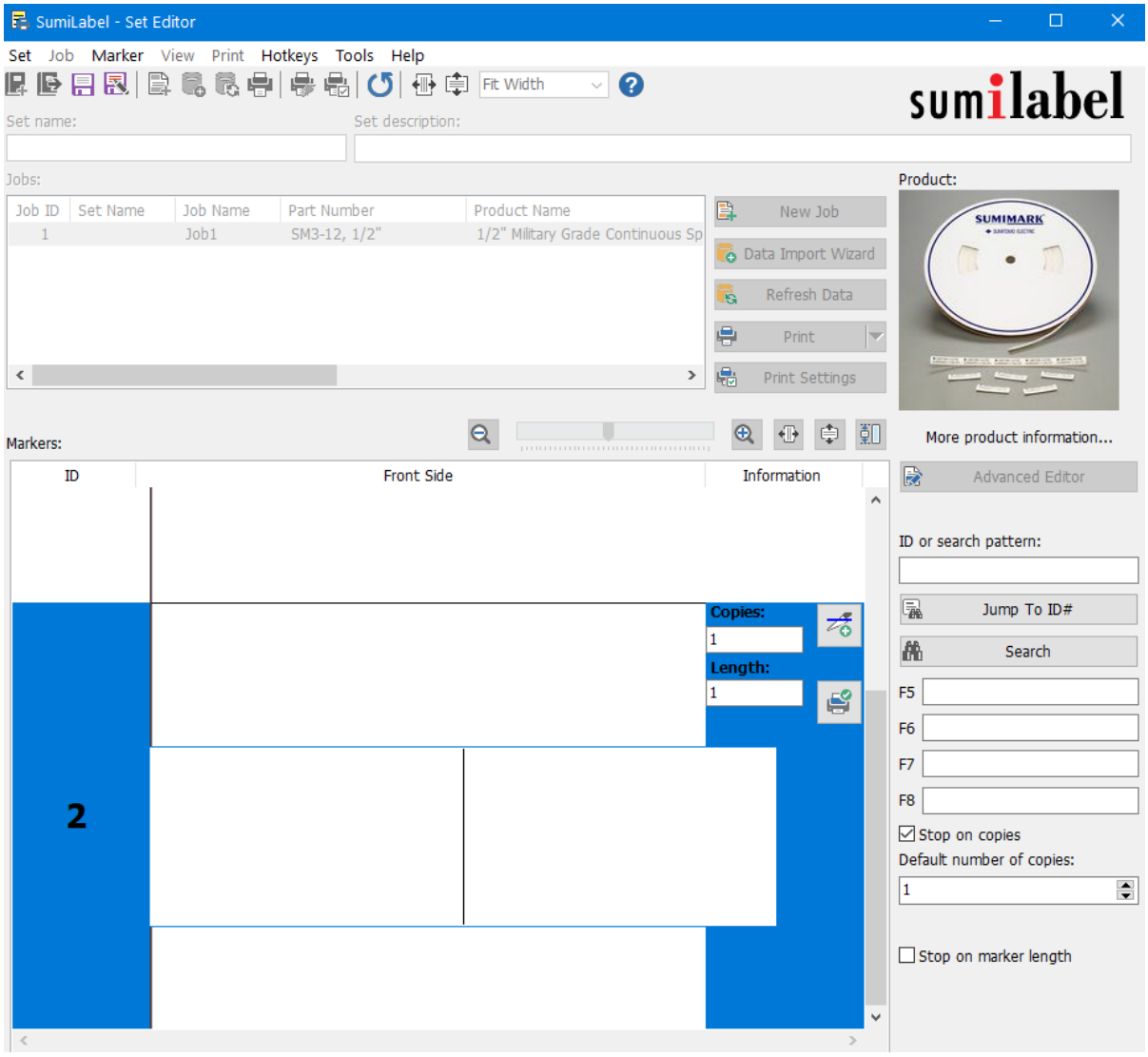
After typing a line of text, press Enter on your keyboard to confirm the contents of that text element and move on to the next element. If there are no additional lines of text on the marker (or if there's only one to begin with) then the number of copies field for this marker will be highlighted. By default, Sumilabel assumes you're going to want at least one of each marker, so this field will automatically have "1" upon creation of a new marker. You can change the default number of copies in the User Options.



As you look at your markers in the Basic Editor, you'll see a column to the left labeled "ID" and a number. That number is the position of that marker in the Job. For instance, ID 1 is marker #1 in this job, ID 2 is marker #2, and so on.

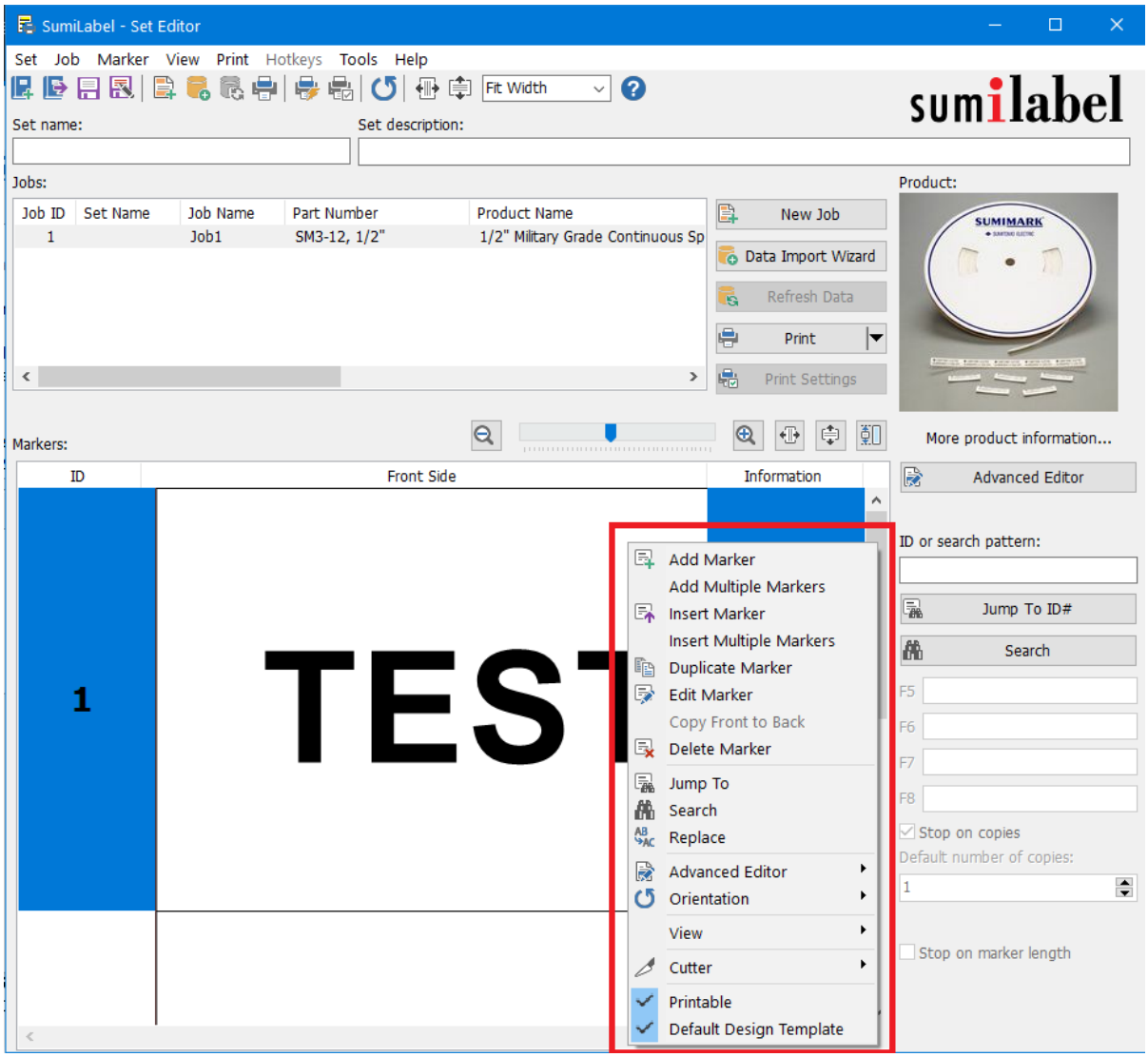
When a marker is not currently selected or being worked on, the column to the right, labeled "Information", shows the number of copies of that marker. For instance, ID 1 and a 3 to the right indicated that three (3) copies will be made of marker #1 if the job is sent to the printer without modification.

After choosing the number of copies for a given marker, pressing Enter again will automatically create another marker **based on the design template you created for the set**, and will open up the field text element for editing.



Enter the text as desired and set the number of copies for your next marker. Repeat until you've entered all of your markers. If you need to make changes to a marker just double-click on that specific one.

Other options for manipulating markers are available to you as long as you're not in "Data entry mode", visible from the context menu opened by right clicking with any marker selected.



From the context menu, you can choose to:

- Add another marker to the end of the Job
- Insert a marker at the selected position (ID)
- Duplicate the selected marker
- Drop into editing the selected marker
- Copy all elements from the front to the back of a marker (Only applicable for Sumitag DS printers)
- Delete the selected marker

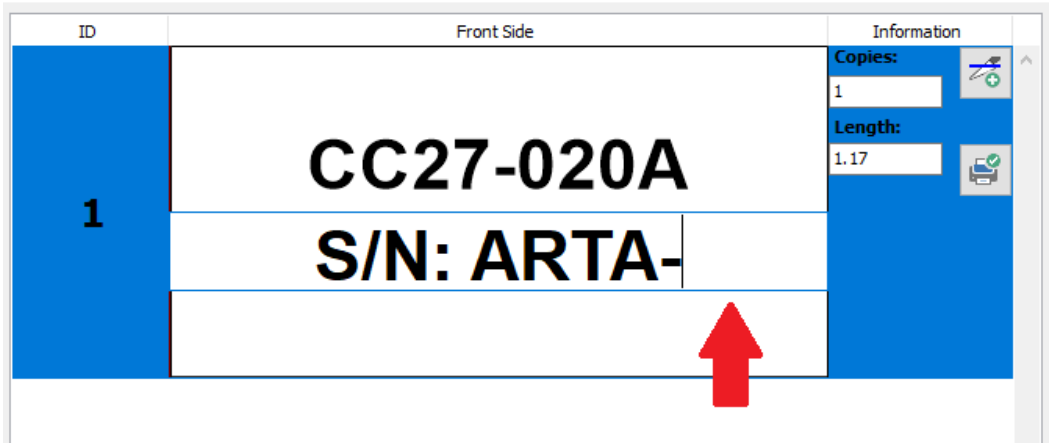
Advanced Features

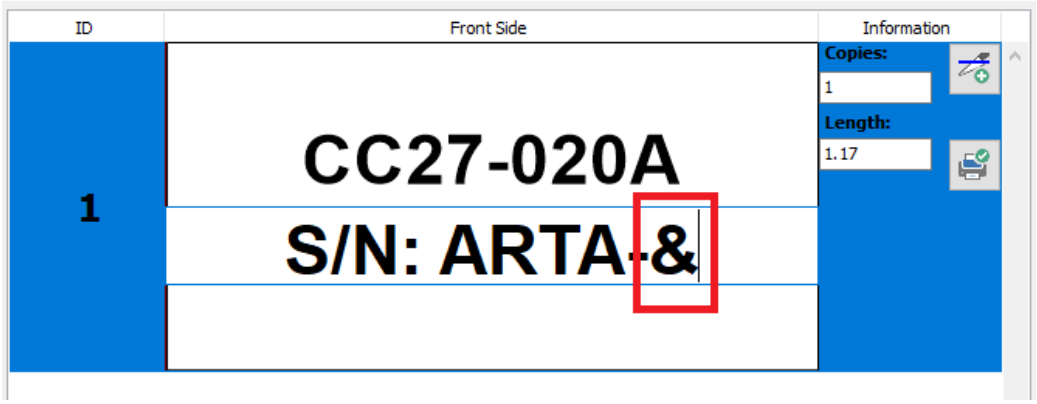
SumiLabel comes with several advanced features that will make the process of developing complex, multi-element markers easy as a recipe.

Serialization

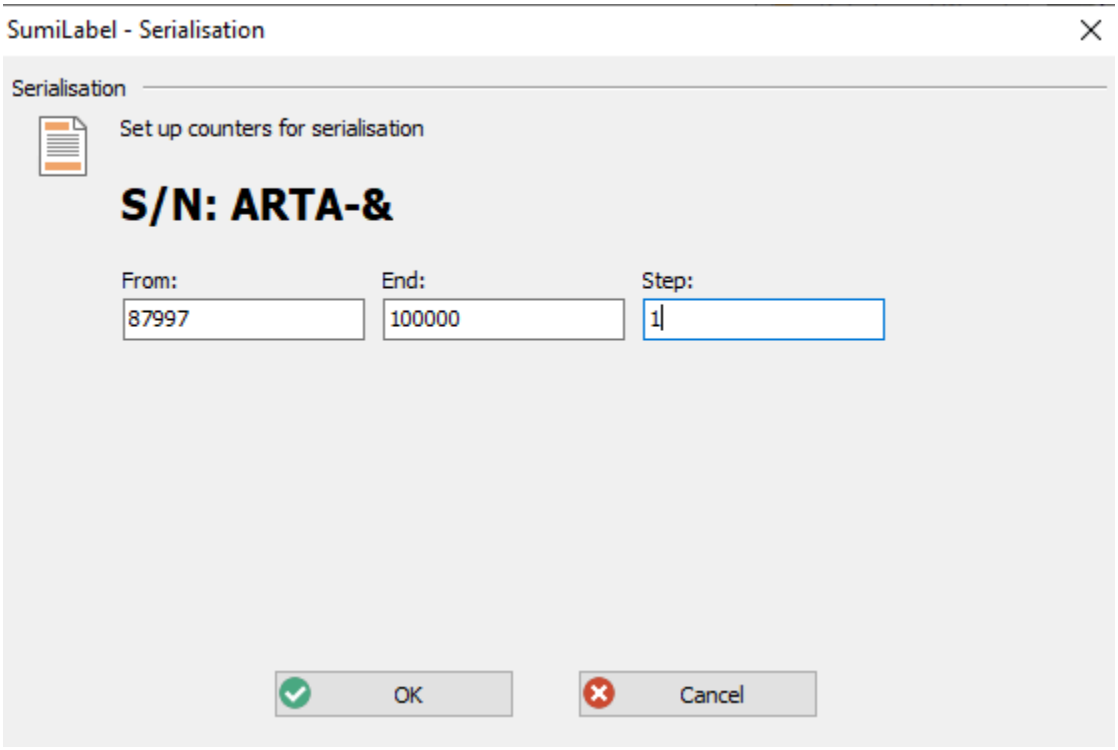
Sumilabel offers a simplified serialization function which "activates" when the ampersand symbol (&) is placed in a template.

On the Set Editor screen, type in your text. The location of where you want the serialization to be in the text is where you will place the "&" symbol:

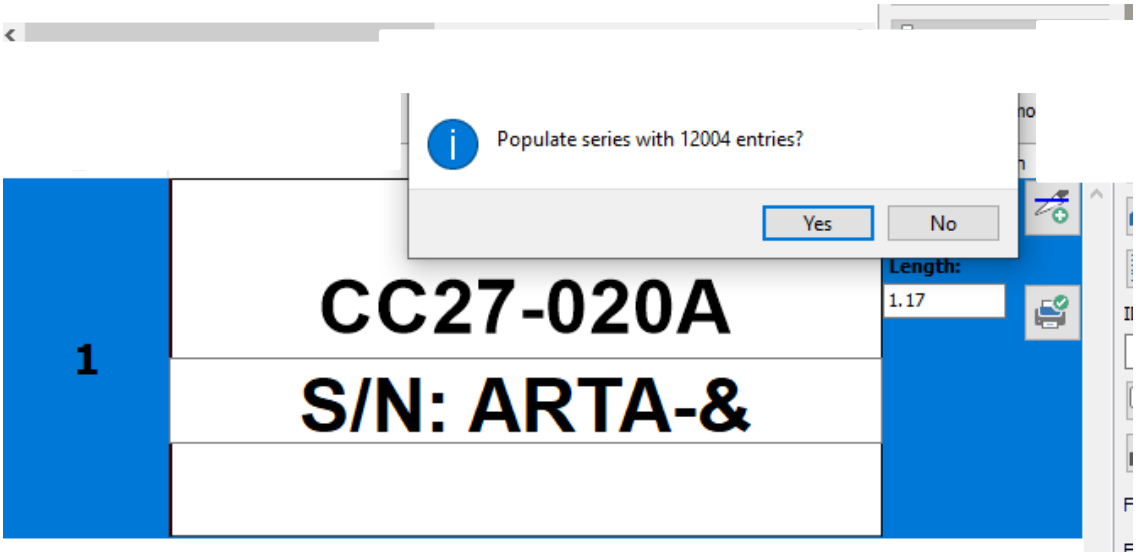




After entering the "&" symbol, press Enter. The Serialization window will appear. ***From*** is the number you want to start the serialization at. ***End*** is what number you want the serialization to stop on and ***Step*** is the increments the counter will increase by. Enter the parameters desired and click OK.

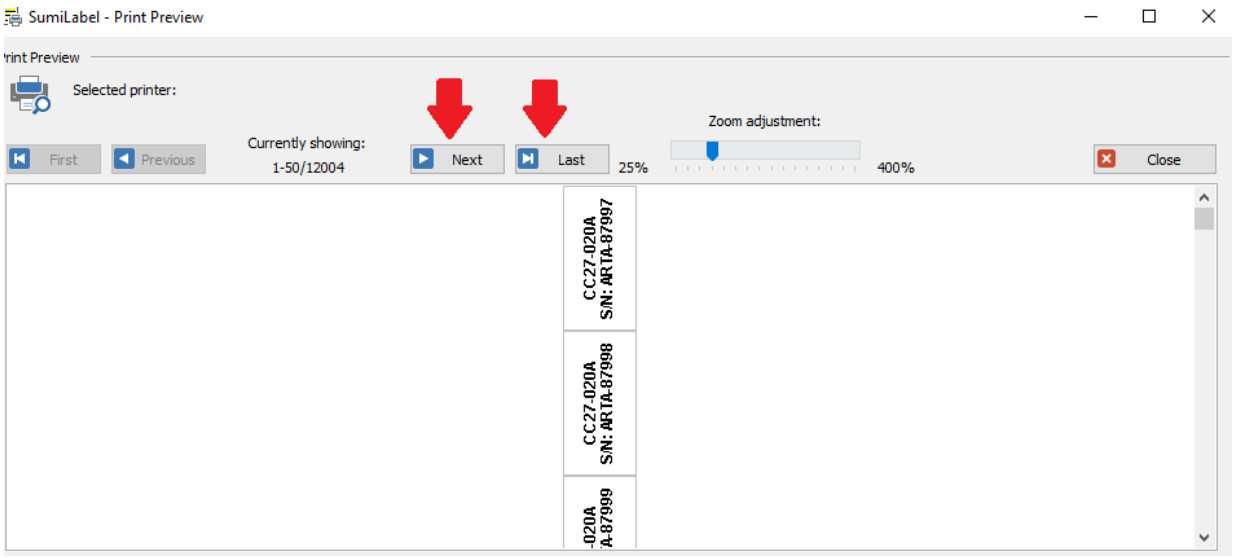


If you choose to have all the markers visible on the Set Editor screen, select Yes. Selecting No will only show the 1st marker.



To view the string after selecting No, go to the Quick Print Preview option.

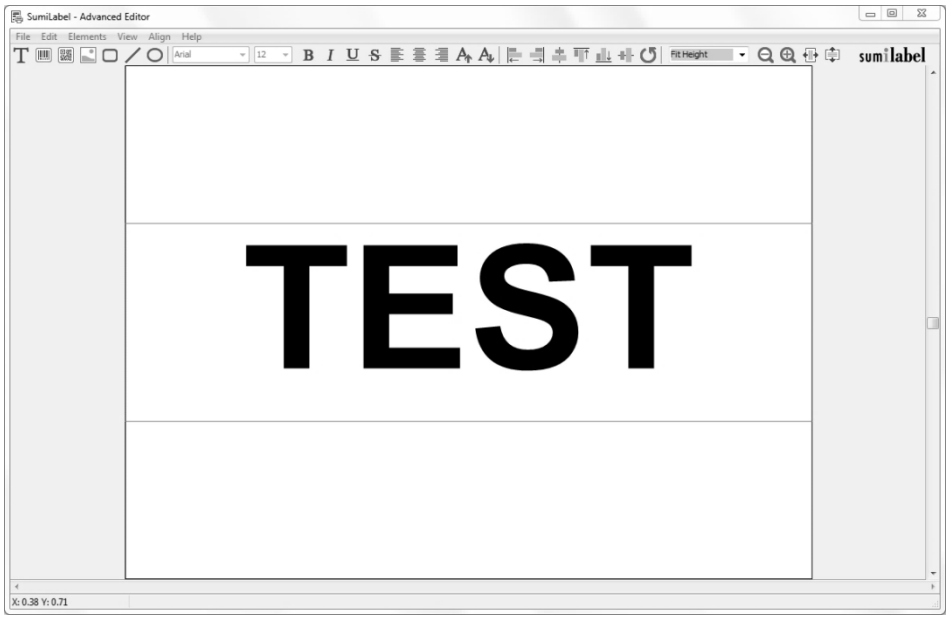
From there you can see each sequential marker. To view the next set, click on Next or Last



The markers are now ready to print with serialization embedded into them.

Advanced Editor

Used for adding important marker elements like graphics and barcodes in addition to positioning and scaling, the Advanced Editor can be your one-stop-shop for all things marker editing—that is, if you're willing to brave the awesome responsibility that comes with such unbridled power.



The Advanced Editor considers every individual bit of your marker to be an Element—be it a line of text, a graphic, or a barcode. You can add, move, scale, rotate, and edit Elements from within the Advanced Editor.

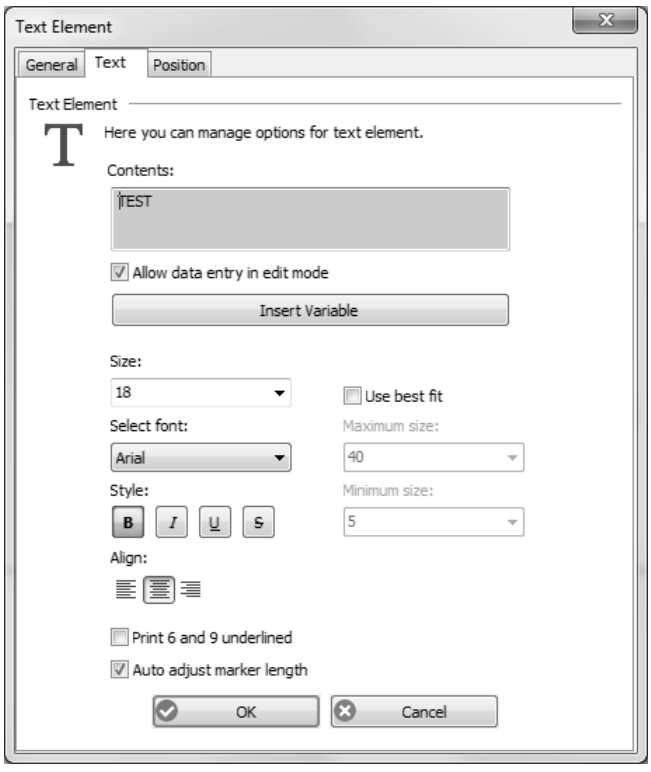
Please Note: When saving changes to a marker in the Advanced Editor, before exiting the window, navigate to the "File" menu to view your options. To save a template of the marker as it appears, choose "Save" or "Save As". To apply the changes made in the Advanced Editor to the marker that was selected, choose "Apply". If you wish to overwrite every marker in the Job with every element exactly as it appears in the Advanced Editor, choose "Apply To All".

The same goes for exiting the Advanced Editor. When prompted to save changes to the page (marker), "Yes" will save the changes to the individual marker, while "Yes to All" will overwrite every marker in the Job.

At the left side of the toolbar along the top of the workspace, you will find buttons to insert each type of element: Text, Barcode, 2D Barcode, Image, followed by the Rectangle, Line, and Circle shapes.

Adding elements is as simple as clicking the appropriate icon, then positioning the element within the marker by clicking and dragging it. The image above shows the blue bounding box for the text element on the marker.

By right-clicking on an element, you can open a context menu that includes many different options, one of which is the element's Properties.



The Properties window for an element within the Advanced Editor opens up every aspect of the element for you to modify as desired. For a Text Element, you're able to change the text, font, font size, style, and alignment, among other attributes.

Additional Resources

For more information on SumiLabel, including recaps of the information contained in this manual, take a look at the support documents and videos available on the web:

http://www.SumiSupport.com

Technical Support

If you have any questions, comments, or concerns, please contact our Technical Support department.

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San Marcos, CA 92069-1440

Email:	**Identification@seipusa.com**
Website:	**www.SumiSupport.com**
Phone:	**(760) 761-0600**

Please have the following information available:

- Your computer's Operating System and version of SumiLabel software you are using. *Example: Windows 10 and SumiLabel 3.0 Build 300*
- The product you are trying to print on. *Example: SM3-12 – 3/16 inch*
- Sumimark® IV PLUS Printer serial number.

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