



WinLabel User's Manual

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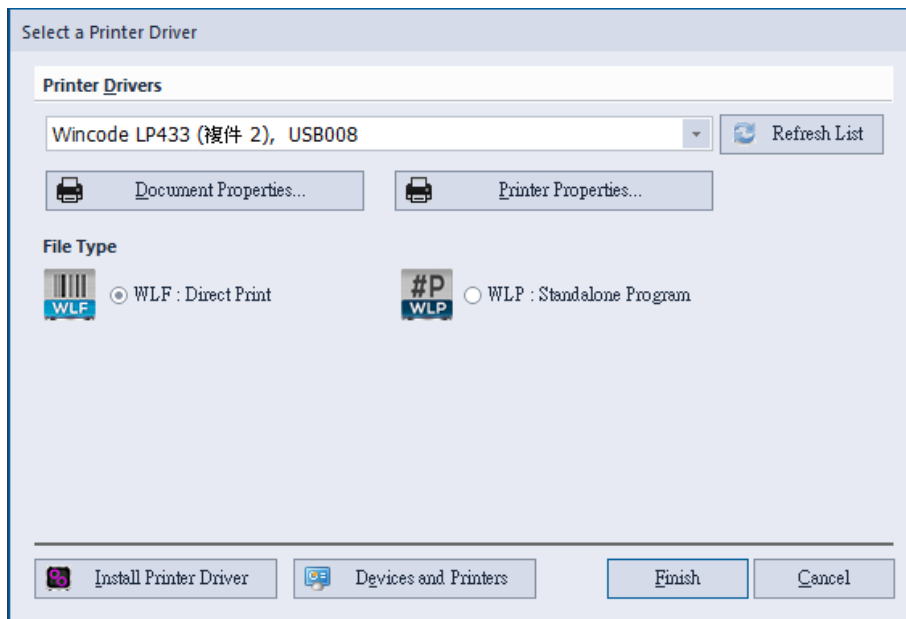
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STARTUP

Click WinLabel icon  on the desktop to open the program as the Figure 1 below, click the new label (or browse the file list to open a saved-label file); and then see the Figure 2, select a printing method (Command Printing or Graphic Printing) and then click the “Finish” button; enter the Figure 3, set the label size in setup page and click” OK” to enter the operation menu.

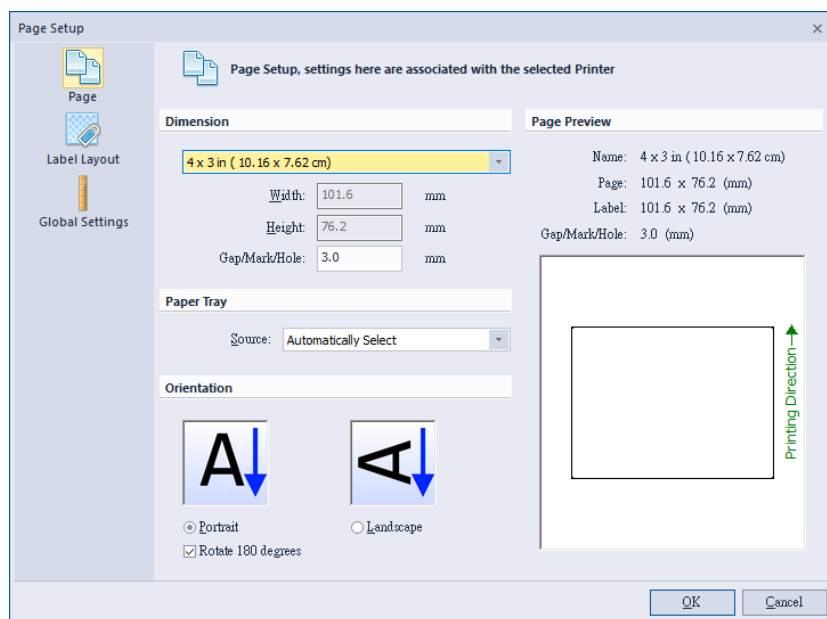


(Figure 1)



(Figure 2)

Item	Description
Document Properties & Printer Properties	Please refer to the description of 3.1.2 Printing Setup
WLF: Direct Print	Normal label design file
WLP: Standalone Program	Standalone file, only support LP423A and LP433A models for standalone operation
Install printer driver	Please refer to the description of 6.2 Install Driver
Devices and Printers	A shortcut connecting to the <u>Devices and Printers</u> of Windows dialog



(Figure 3)

OPERATING INTERFACE OVERVIEW

- I. Start Button, Quick Access Toolbar and Style Setting Toolbar: Listing open/save, print, and other icons of common commands.

These command icons on the Quick Access Toolbar can be added/decreased by user's interest and demand.

Style Setting Toolbar has language and theme settings.

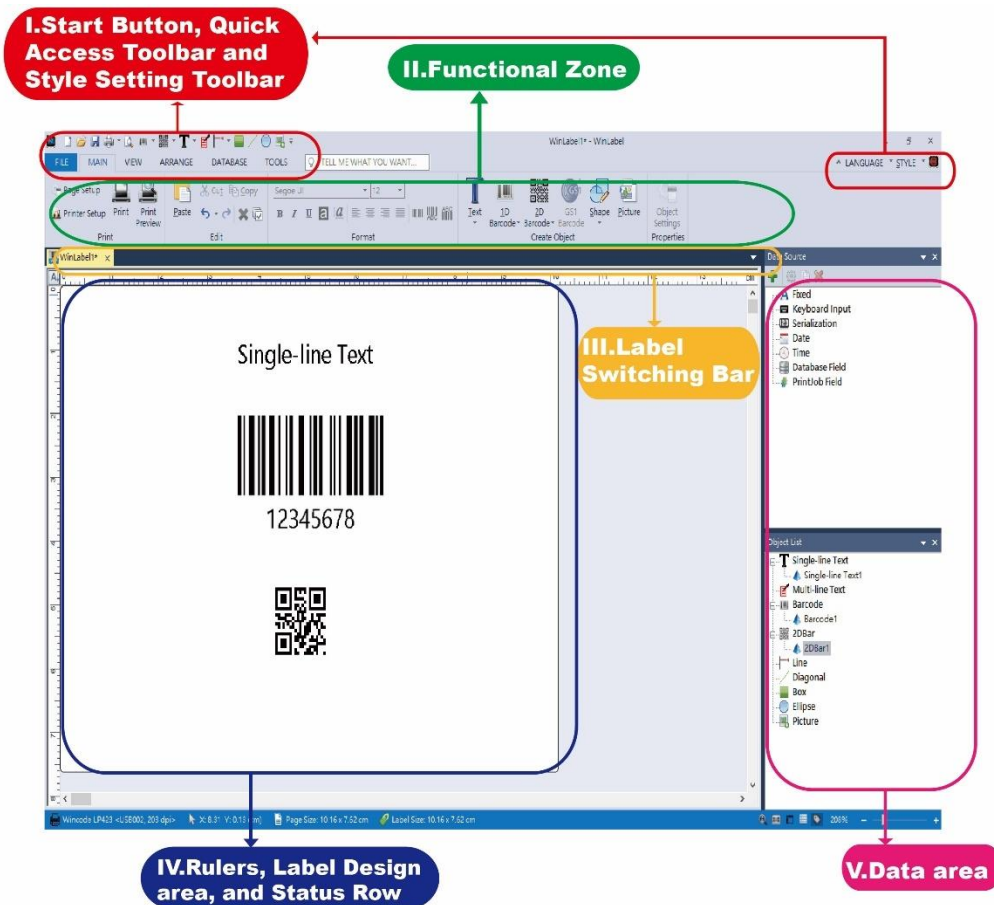
- II. Functional Zone: Listing main functions of designing label for user to efficiently execute functional icons.
- III. Label Switching Bar: A number of Label designs is placed on this bar to allow user to switch labels for editing. The selected label is appeared on the top screen.
- IV. Rulers, Label Design area, and Status Row:

Rulers: Having measurement function for user to measure object size. (Click unit icon at the upper right bar to change different unit)

Label Design area: Editing and composing objects

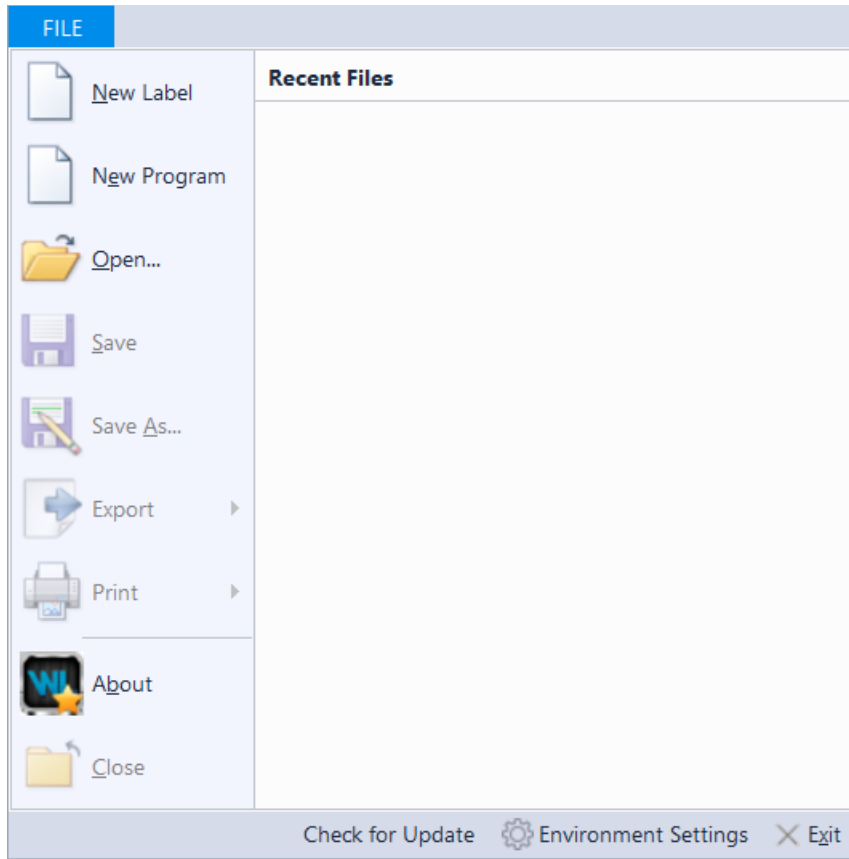
Status Row: Provide shortcut functions to set printer property, page/label setup and cursor coordinates.

- V. Data area: Data Source and Object List.

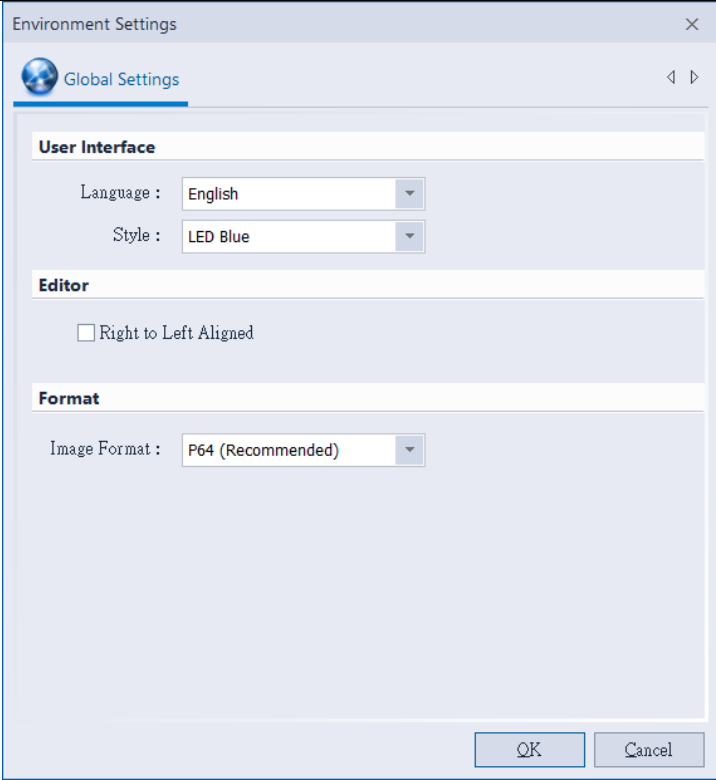


1 START Button, QUICK ACCESS Toolbar and Style Setting

1.1 Start Button



Item	Description
New label	Open a blank label
Open	Open a file dialog to choose the existing file
Save	Save the current editing label file
Save as	Save the current editing label file and designate another file name
Export	Save file as PDF format or graphic file (supports file suffix : png 、 bmp 、 jpg 、 gif 、 tiff)
Print	<ul style="list-style-type: none"> ➤ Preview (refer to 2.1.3Print) ➤ Print Setup: printer and paper setup
About	WinLabel version
Close	Close the current editing label
Recent Files	List recent 10 label files to let user open file quickly
Check for update	Version confirmation and update

<p>Environment Settings</p>	 <p>User Interface:</p> <ul style="list-style-type: none"> ➤ Language: English / 中文(简体) / 中文(繁體) / Español / Türkçe / Tiếng Việt support, select and effect after restarting the program ➤ Style: Different style of interface for users' preferences. <p>Editor:</p> <ul style="list-style-type: none"> ➤ Right to Left Aligned: Typing from right to left <p>Format:</p> <ul style="list-style-type: none"> ➤ Image Format: P64, PNG, PCX <ul style="list-style-type: none"> PCX: Recommended for firmware 1.0.66 or less. P64: Recommended for firmware 1.0.66 or more.
<p>Exit</p>	<p>Exit WinLabel program</p>

1.2 Quick Access Toolbar



User can adjust common command icons on this toolbar, toolbar position, and minimize the Functional Zone.

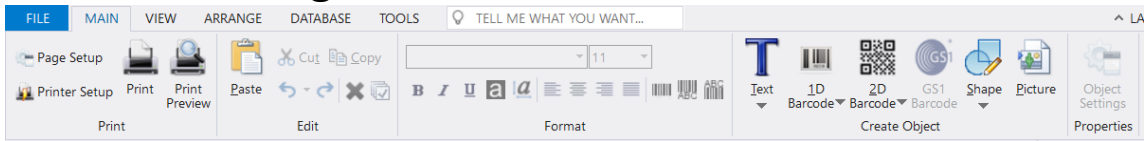
1.3 Style Setting Toolbar



<i>Item</i>	<i>Description</i>
Language	Support simplified Chinese, traditional Chinese, Spanish, Turkish, Vietnamese, and English. Effect after restarting the program.
Style	Choose theme style with user's preferences.
Printer Utility	Refer to the 2.4.1 Printer Utility

2 FUNCTIONAL ZONE

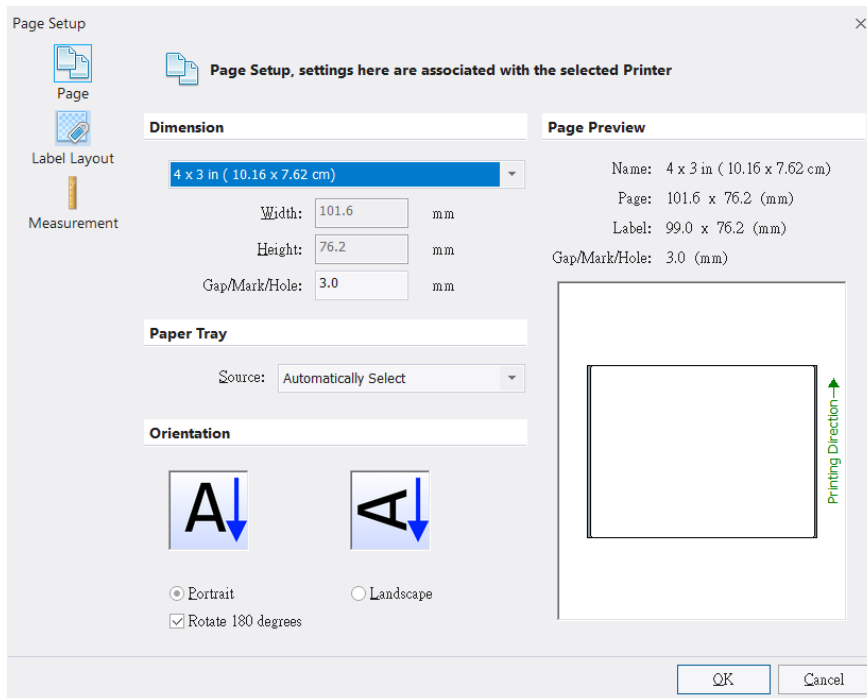
2.1 Main Page



2.1.1 Page Setup

1) Page

Set up the size of label paper, paper tray, printing orientation, and page preview as below Figure 1.

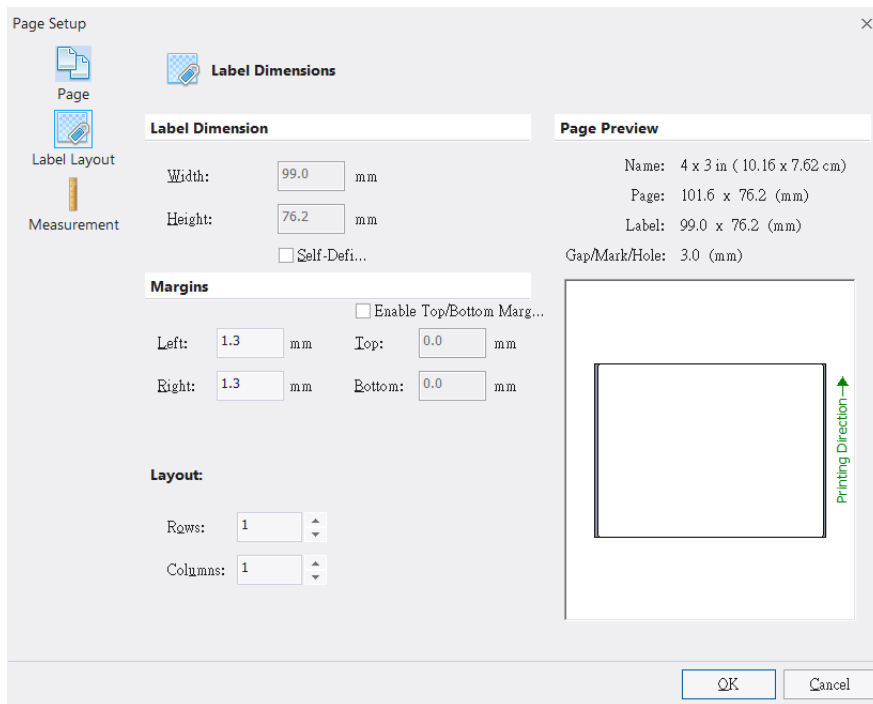


(Figure 1)

Item	Description
Dimension	The dimension means each page size (the width setting is from left- most to right-most) . The default setting has two label sizes (4 x 3 inch and 2 x 1 inch). If needed, user can tick "Self-Defined" button to set width and height of each page size respectively.
Paper tray	Default is "Automatically Select"
Orientation	Portrait and Landscape (Rotate 90 degrees), user can also choose 180-degree rotation

2) Label layout

Set up the size of label design area as Figure 2

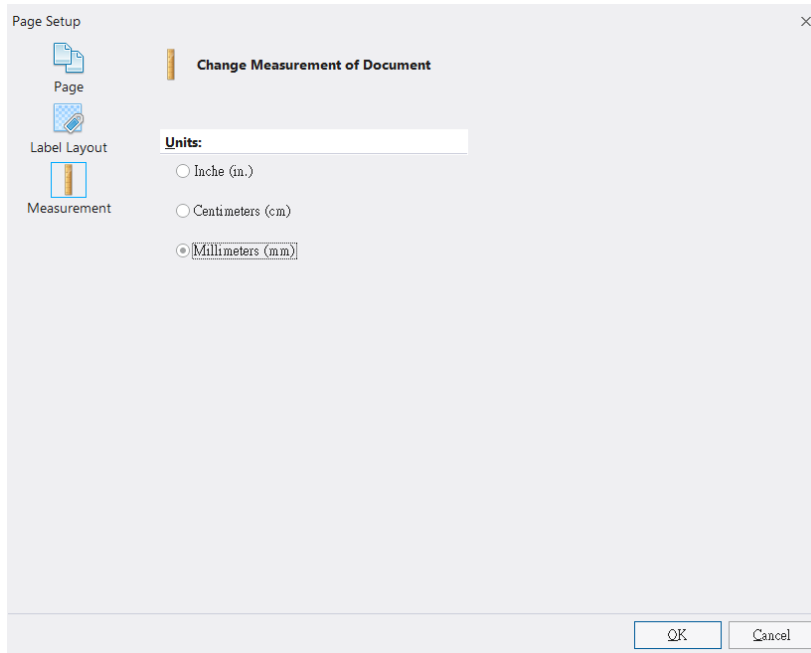


(Figure 2)

<i>Item</i>	<i>Description</i>
Label dimensions	<p>Set up each label size that would be also automatically adjusted based on the margins settings and row/column quantities.</p> <p>If size is not compatible, user can set up each label size manually and get the result in the “Page Preview” area.</p>
Margins	<p>Margin distance can be adjustable</p> <ul style="list-style-type: none"> ➤ Select “Enable Top/Bottom Margin” to arrange the top/bottom margin.
Layout	<p>Set up a number of labels in a page by adjusting row and column number.</p>
Row/column Gaps	<p>Set up horizontal and vertical gap distances between labels. Manually set up is allowable.</p>

3) Measurement

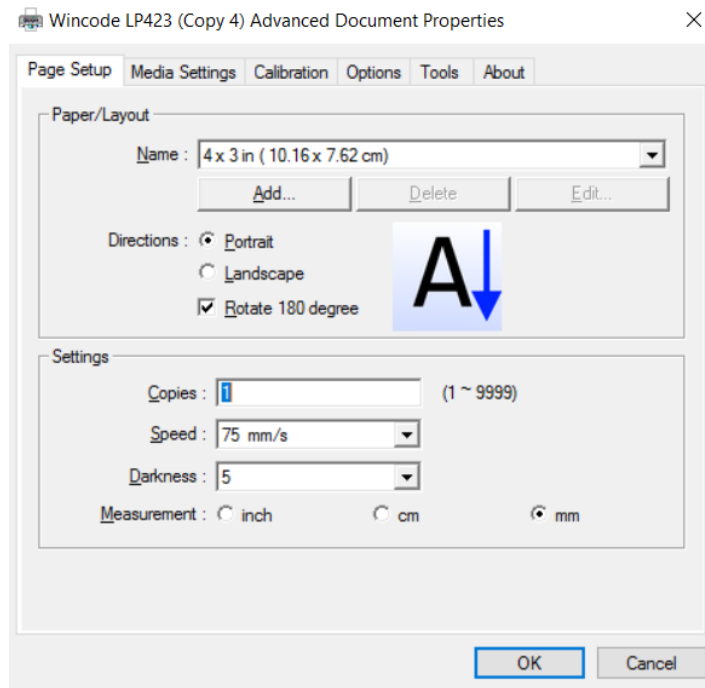
set up measurement unit and image output format.



<i>Item</i>	<i>Description</i>
Units	Inch (in.), Centimeter (cm), and Millimeter (mm) are selected.

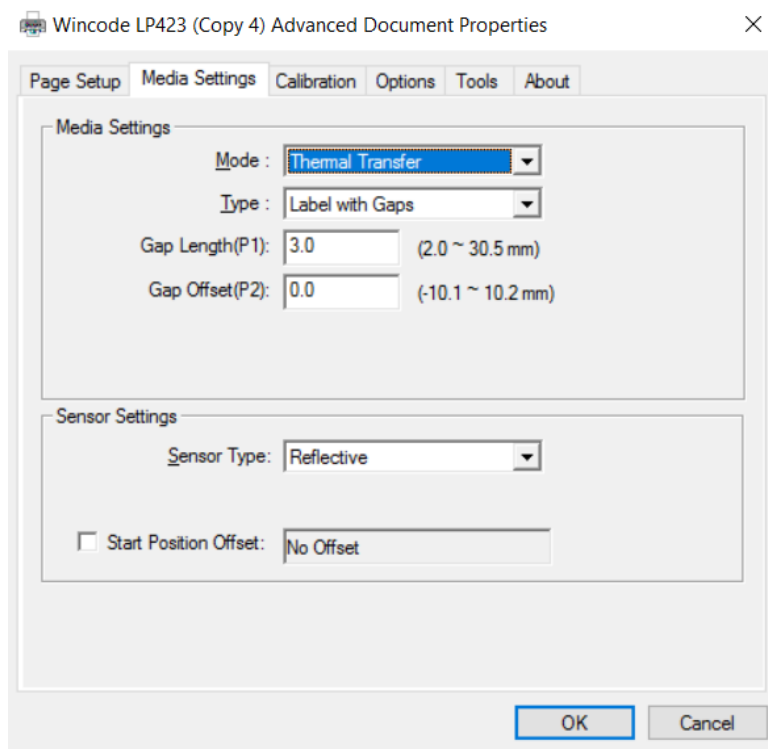
2.1.2 Printer Setup (Driver Setup)

1) Page Setup



Item	Description
Paper/Layout	<ul style="list-style-type: none"> ➤ Name : Choose paper size (4 x 3 inch and 2 x 1 inch); User can also define each paper size. ➤ Directions : Portrait and landscape (rotate 90 degrees); 180 degrees, rotation is accepted.
Settings	<ul style="list-style-type: none"> ➤ Copies : Each page quantity ➤ Speed : Printing speed ➤ Darkness : Adjust Printing darkness status. Caution: If the value is higher, that would cause the temperature of print head higher, and would make ribbon melting and breaking easily. (Suggest value less than 8 for wax ribbon loading) ➤ Measurement : inch, cm, and mm options

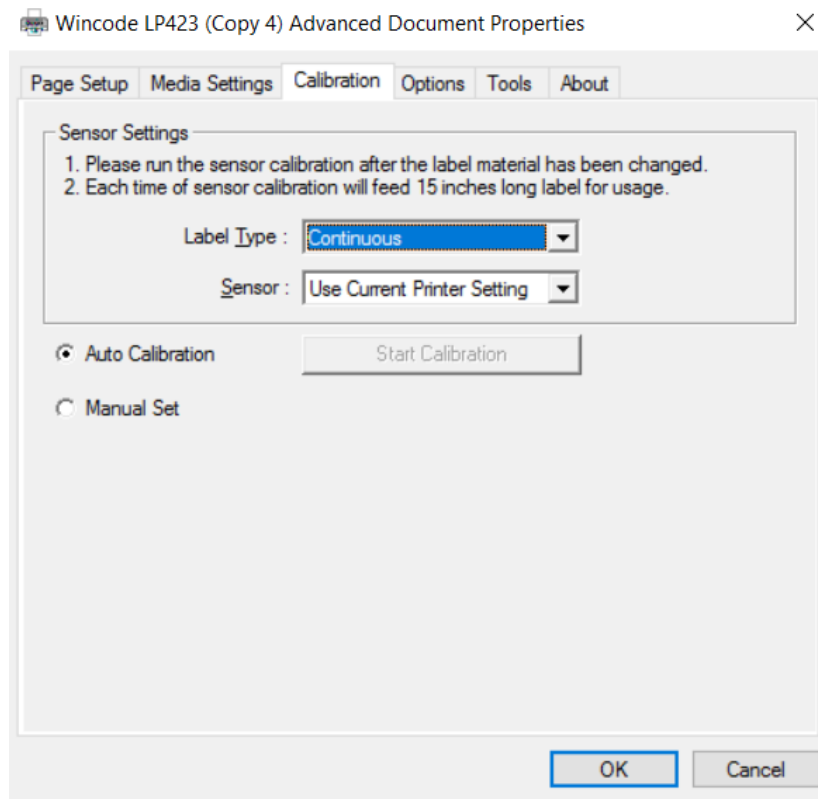
2) Media Settings



Item	Description
Mode	<p>Thermal Transfer and Direct Thermal.</p> <p>“Thermal Transfer” mode means that printer needs to be loaded ribbon for printing label.</p> <p>“Direct Thermal” mode means that printer does not need to be loaded ribbon for printing label.</p>
Type	<p>Label with gaps:</p> <div data-bbox="518 1397 1289 1704" style="border: 1px solid gray; padding: 5px; margin-bottom: 10px;"> </div> <ul style="list-style-type: none"> ➤ Gap Length: the distance between two labels. ➤ Gap Offset: the label will be moved an offset distance after moving a gap distance. <p>PS: The minus value means backward movement after each label printing; The plus value means forward movement after each label printing.</p> <p>Label with marks:</p>

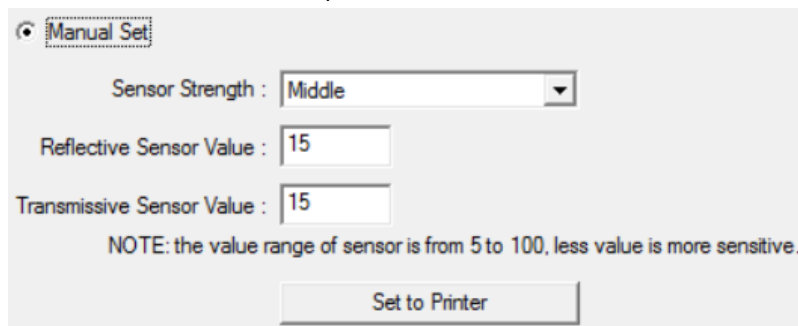
	<p>Media Settings</p> <p>Mode : Thermal Transfer</p> <p>Type : Label with Marks</p> <p>Black Line(P1): 0.118 (0.079 ~ 1.181 inch)</p> <p>Thickness Offset(P2): 0.000 (-0.390 ~ 0.394 inch)</p> <ul style="list-style-type: none"> ➤ Black Line: the thickness in each black line. ➤ Thickness offset: the paper needs to be moved a distance after each black line movement. <p>Continuous:</p> <p>Printing with Ignoring "Gap" and "Black Line".</p> <p>Media Settings</p> <p>Mode : Thermal Transfer</p> <p>Type : Continuous</p> <p>Stop Offset: 0.0 (0.0 ~ 50.8 mm)</p> <p><input type="checkbox"/> Stop On Last Element</p> <ul style="list-style-type: none"> ➤ Stop Offset: The paper will be moved a distance after each printing action stops. (Yet not functional.) ➤ Stop On Last Element: Printing action will stop while printing the last label, unselect while printing assigned label size. (Yet not functional.)
Sensor settings	<p>Sensor type:</p> <ul style="list-style-type: none"> ➤ Use Current Printer Setting (default) ➤ Reflective ➤ Transmissive <p>Start Position Offset: If selected, user can fill up how many dots to adjust the start printing position. (recommend to input number when the printing position has a little bit shift up or shift down)</p>

3) Calibration

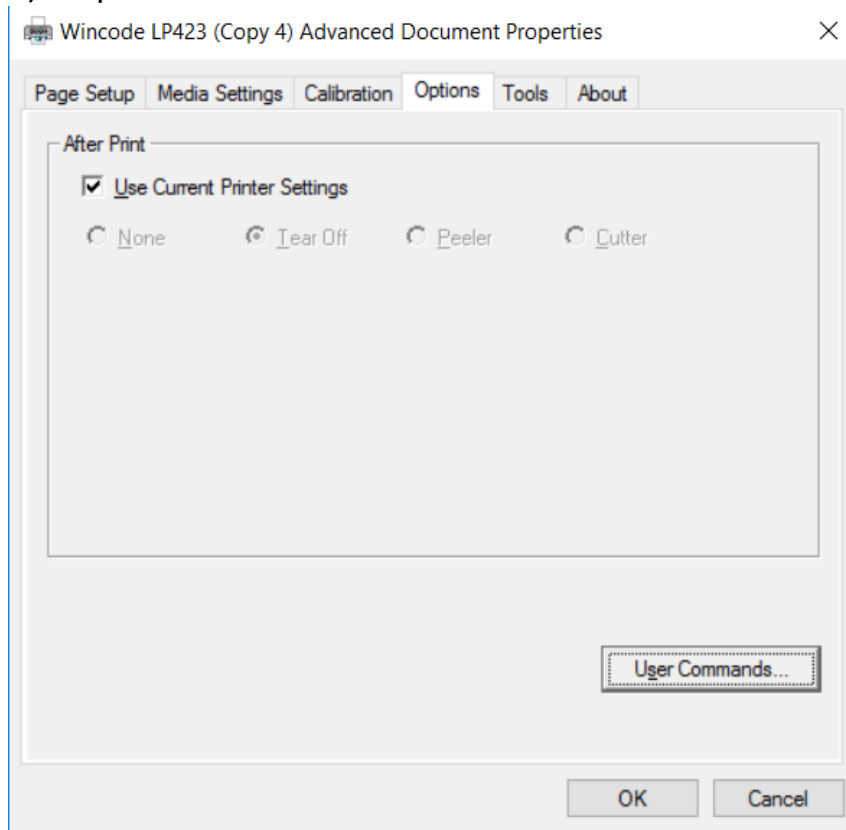


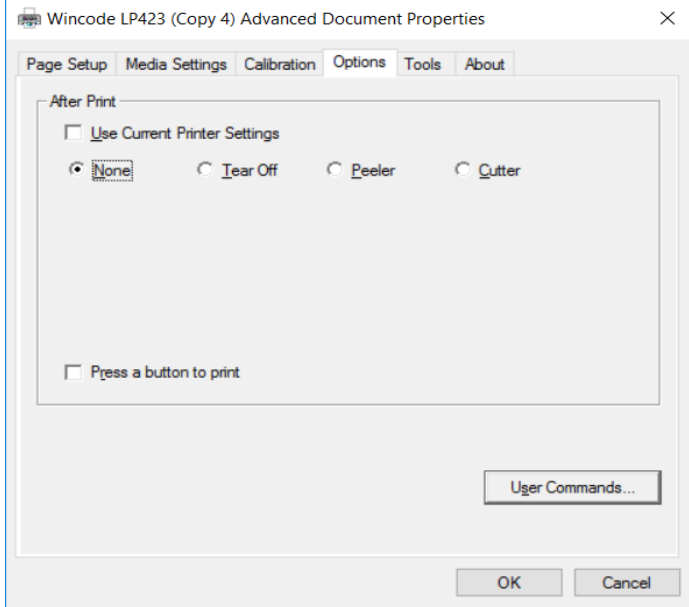
Please run the sensor calibration after the label material has been changed. If it is the same material but different size of label, the user will only need to change the "Page Setting" of WinLabel.

Auto Detection recommend. Select "Manual Set" when there is specific material which could not be detected. Insert the Sensor Value (default value is 15, the value range is from 5 to 100, less value is more sensitive).



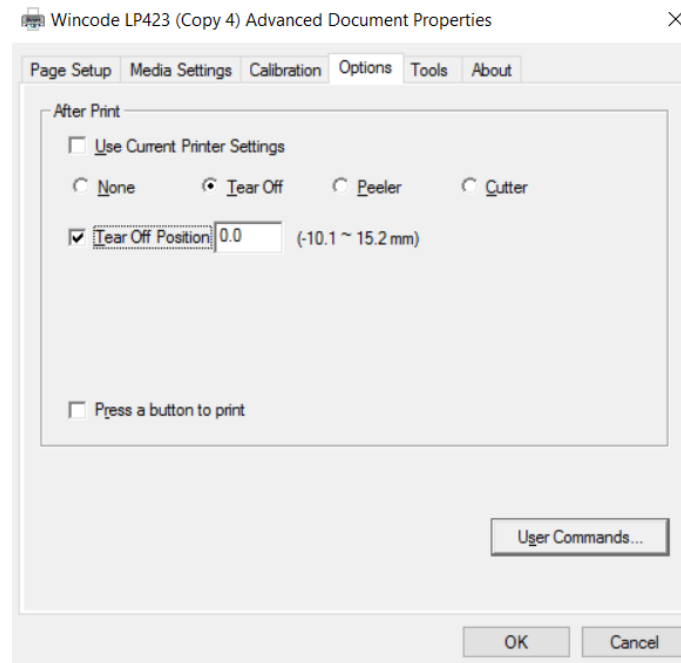
4) Options



<i>Item</i>	<i>Description</i>
After Print	<p>Use Current Printer Settings: Tick this option (default option) Removing tick option would have below several options</p> <ul style="list-style-type: none"> ➤ None <p>Press a button to print: execute the label printing while pressing the “Feed” button each time.</p> 
	<ul style="list-style-type: none"> ➤ Tear off

The label gap is stopped at the tear off position to let user easily tear off label.

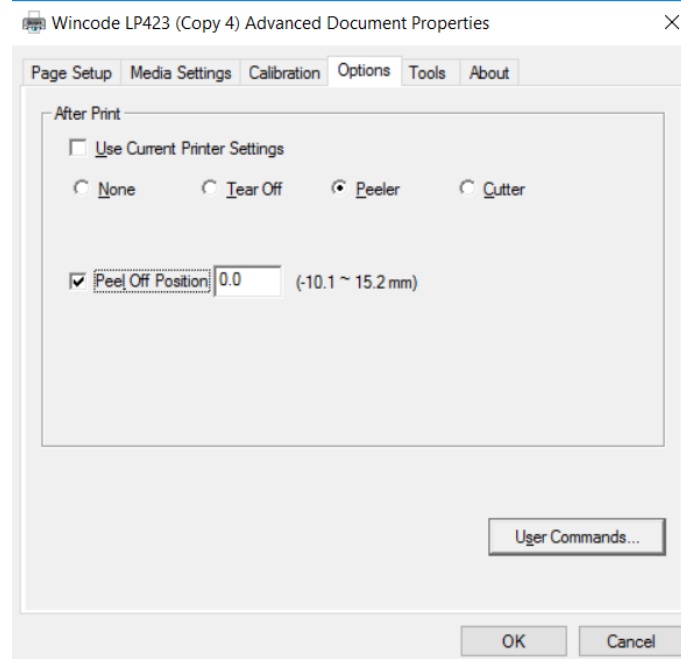
- Tear Off Position: to adjust the tear off position
- Press a button to print: execute the label printing while pressing the "Feed" button each time.



➤ Peeler

Peeler module can peel labels continuously while printing. The printer will run the next label after removing peeled label.

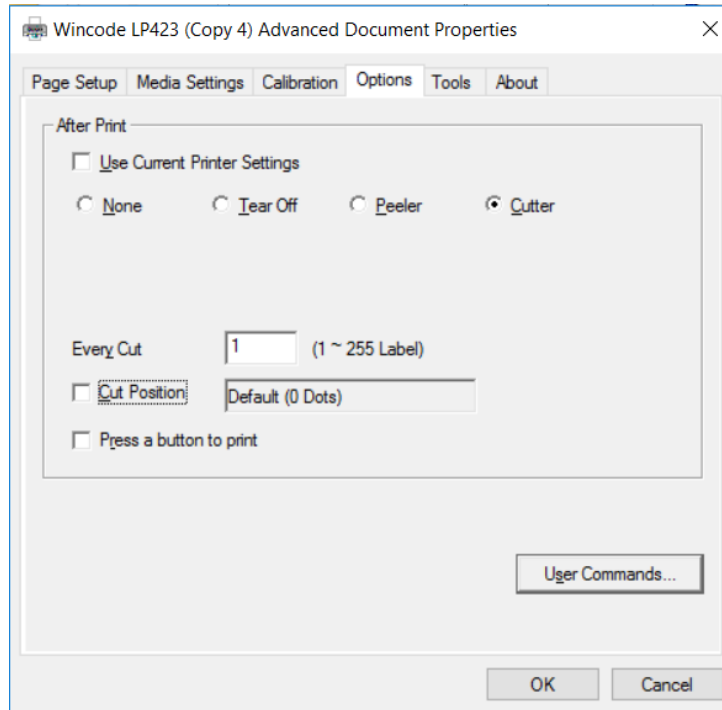
- Peel Off Position: to adjust the peer position



➤ Cutter

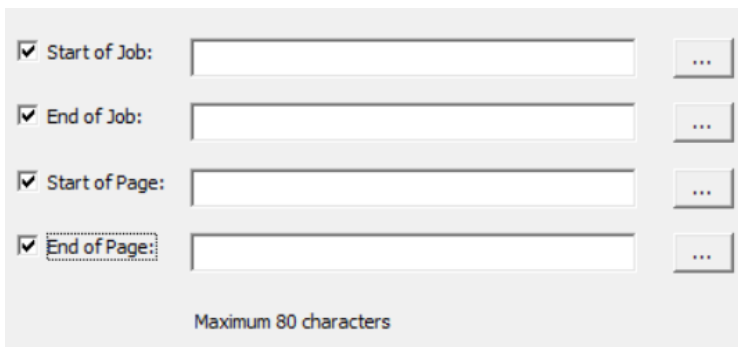
The cutter will run after printer ends each label printing.

- Every Cut: the amount of label come out to run the cutter once.
- Cut Position: to adjust the cutting position
- Press a button to print: execute the label printing while pressing the "Feed" button each time.

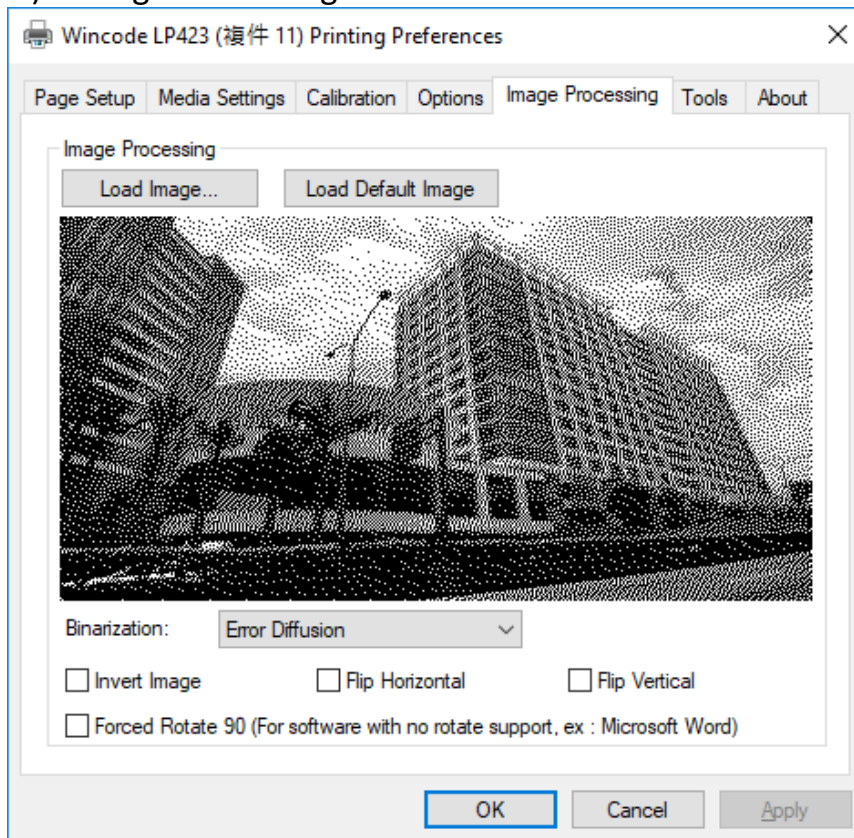


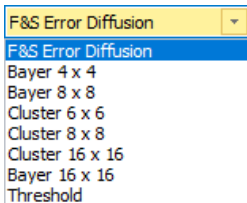
User Commands

User can fill printer commands in this dialog when there are specific commands needed. Select and click "..." to insert more data.

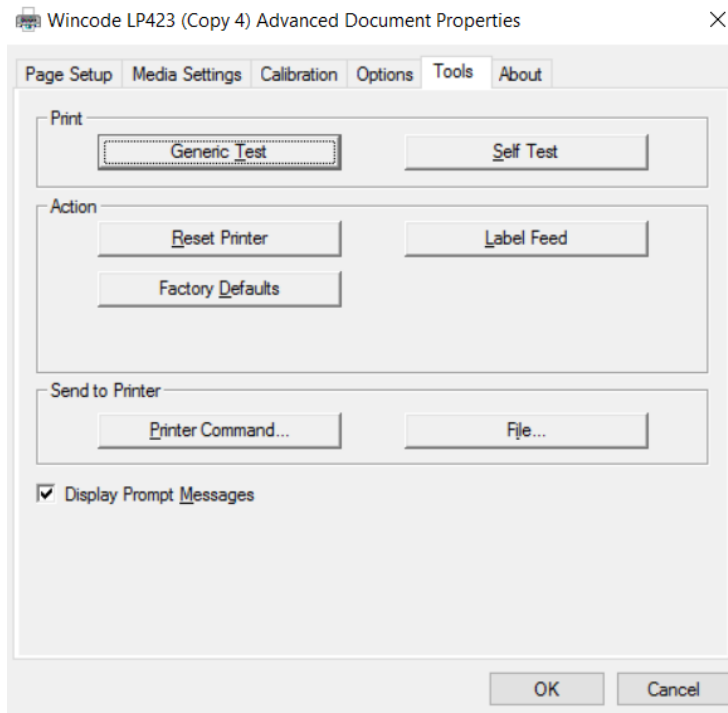


5) Image Processing



Item	Description
Image Processing	<ul style="list-style-type: none"> ➤ Load Image: The selected image will be displayed in below area. ➤ Load Default Image ➤ Binarization: <p>Converts color images to different kind of black-and-white image.</p>  ➤ Invert Image: Convert image color. ➤ Flip Horizontal: Flip along X axis. ➤ Flip Vertical: Flip along Y axis. ➤ Forced Rotate 90° (For software with no rotate support. ex: Microsoft Word.): Users can check this item when the printing results was error in landscape. Self Test: Printer will print the inside settings on the label

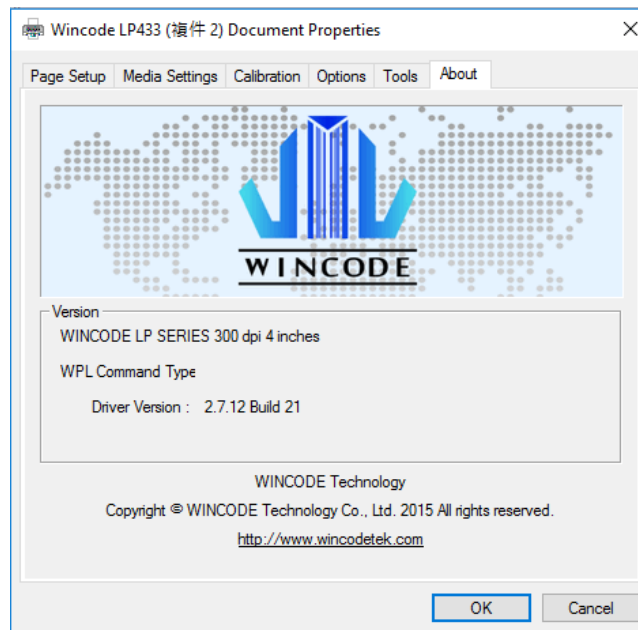
6) Tools



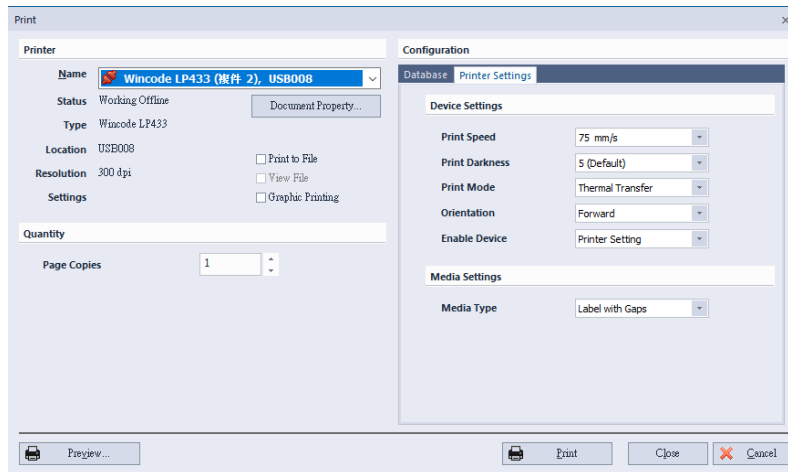
<i>Item</i>	<i>Description</i>
Print	<ul style="list-style-type: none"> ➤ Generic Test: Order printer to print a label with texts for testing purpose. ➤ Self Test: Printer will print the inside settings on the label
Action	<ul style="list-style-type: none"> ➤ Reset Printer : Restart printer. ➤ Factory Defaults : Inside parameters to be default ➤ Label Feed : Order printer to deliver a label come out
Send to Printer	<ul style="list-style-type: none"> ➤ Printer Command: send command to the printer. ➤ File: select the file that needed and send to the printer.

7) About :

WinLabel driver version



2.1.3 Print



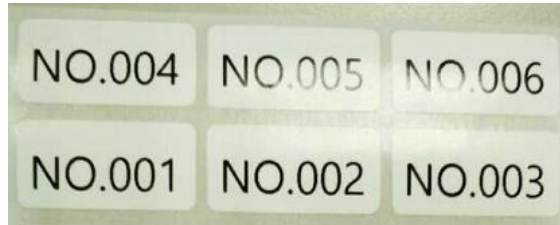
Item	Description
Printer	<ul style="list-style-type: none"> ➤ Name: Listing all connecting printer, user can choose proper printer with corresponding interface port. ➤ Status : Showing the current printer connection status. (Ready or Printer Offline) ➤ Document property: Please refer to the 2.1.2 Printer Setup ➤ Type: The current printer name ➤ Location: Interface port ➤ Resolution: The resolution of current print head ➤ Print to file: Save label design to the specified printer file (*.prn) >>View file : This option can be selected when ticking “Print to file”. The printer file will be opened by “Notepad” program for reviewing or editing (it is necessary to select “Wincode’s Font” in order to show command codes completely in the Notepad). ➤ Graphic printing: Graphic command sent to printer
Quantity	<ul style="list-style-type: none"> ➤ Page Copies : Printing amount of copies of each page. The default is 1, please check it if you want to set it. ➤ Copies per Label/SN: Printing how many copies of each label. ➤ Serial Numbers : enter when using serial numbers. <div data-bbox="555 1758 1029 1960" style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <p>Page Copies <input type="checkbox"/> 1</p> <p>Copies per Label / SN 1</p> <p>Serial Numbers 1</p> </div> <p>Take the example below:</p> <p>Quantity Settings:</p>

Page Copies 1

Copies per Label / SN 1

Serial Numbers 6

Printing Result:



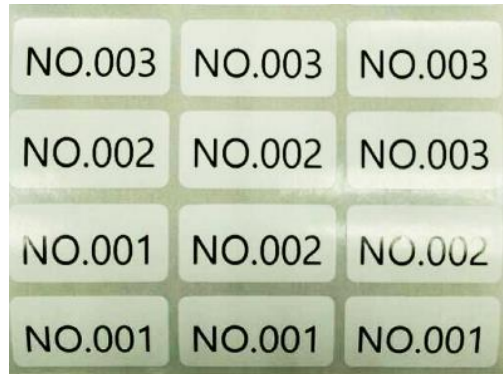
Quantity Settings:

Page Copies 1

Copies per Label / SN 4

Serial Numbers 3

Printing Result:



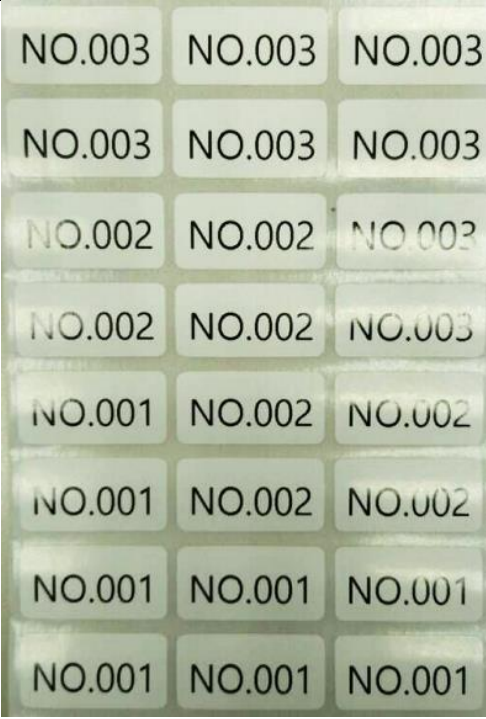
Quantity Settings:

Page Copies 2








Copies per Label / SN 4

Serial Numbers 3

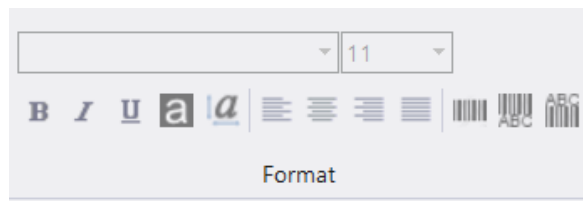
Printing Result:

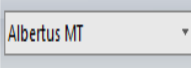
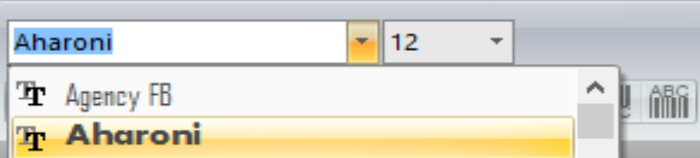
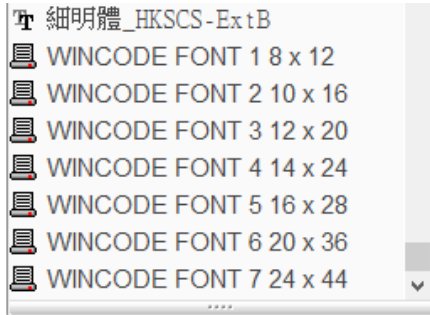
	 <p>The image shows a 3x8 grid of labels. The numbers on the labels are as follows:</p> <table border="1"> <tr><td>NO.003</td><td>NO.003</td><td>NO.003</td></tr> <tr><td>NO.003</td><td>NO.003</td><td>NO.003</td></tr> <tr><td>NO.002</td><td>NO.002</td><td>NO.003</td></tr> <tr><td>NO.002</td><td>NO.002</td><td>NO.003</td></tr> <tr><td>NO.001</td><td>NO.002</td><td>NO.002</td></tr> <tr><td>NO.001</td><td>NO.002</td><td>NO.002</td></tr> <tr><td>NO.001</td><td>NO.001</td><td>NO.001</td></tr> <tr><td>NO.001</td><td>NO.001</td><td>NO.001</td></tr> </table>	NO.003	NO.003	NO.003	NO.003	NO.003	NO.003	NO.002	NO.002	NO.003	NO.002	NO.002	NO.003	NO.001	NO.002	NO.002	NO.001	NO.002	NO.002	NO.001	NO.001	NO.001	NO.001	NO.001	NO.001
NO.003	NO.003	NO.003																							
NO.003	NO.003	NO.003																							
NO.002	NO.002	NO.003																							
NO.002	NO.002	NO.003																							
NO.001	NO.002	NO.002																							
NO.001	NO.002	NO.002																							
NO.001	NO.001	NO.001																							
NO.001	NO.001	NO.001																							
Advance	<ul style="list-style-type: none"> ➤ Database : Please refer to the Database printing ➤ Printer settings : Please refer to the Printer Setup 																								
Preview	Preview the printing outcome																								
Print	Print label design in the printer																								


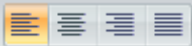
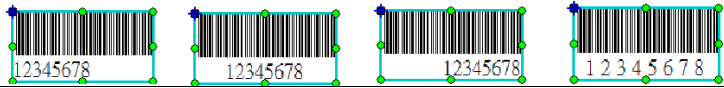



2.1.4 Edit

Item	Description
Paste 	Paste the object to the editing area
Cut 	Cut the selected object and store it in the clipboard
Copy 	Copy the selected object and store it in the clipboard
Undo 	Undo the last action
Redo 	Redo the previously undo action
Delete 	Remove an object from the editing area
Select All 	Select all objects from the editing area

2.1.5 Format



Item	Description
Font 	<ul style="list-style-type: none"> ➤ Display selectable fonts, press pull down button to select as below figure.  ➤ Wincode fonts are placed in the bottom of this list as below figure. Wincode fonts only support ASCII 32~255, English, numbers and symbol characters. ➤ PS: Wincode fonts have been built-in in the Wincode's printer. 

<p>Font size <input type="text" value="12"/></p>	<p>Display font size, and press pulldown button to modify or input the font size value.</p>
<p>Bold, Italic, Underline, White on Black, Font Scale</p> <p>B <i>I</i> <u>U</u> a <i>a</i></p>	<p>As long as selecting a text object, press these icons can alter the text appearance directly.</p> <p>A group of text objects can be altered together.</p> <p>a White on Black : the black font color into white color; the white background color into black color, see below examples.</p> <p></p> <p>a Font Scale : the text size (up and down) can be expanded. Otherwise, the text size can be adjusted by fixed length-to-width ratio.</p>
<p>Text Align</p> <p></p>	<p>The texts in the 1D barcode can be aligned to left side, middle, right side, and left-right sides. Note: These icons are not supported general text object.</p> <p></p>
<p>The text position in the 1D barcode</p> <p></p>	<p>The texts in the 1D barcode can be adjusted in the different positions (upon barcode, under barcode, hidden texts)</p> <p></p> <p>And adjust the gap between barcode and text by press and hold the orange point.</p> <p></p>

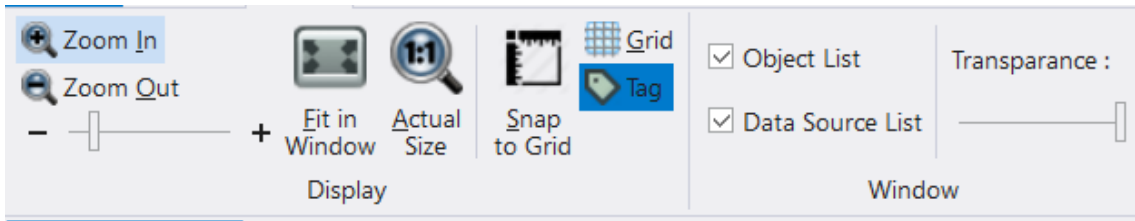
2.1.6 Create Object








WinLabel provides some common objects for usage. User may choose requested objects to design label to meet a variety of applications. The object setting description is in the next [Chapter 3](#) for reference.

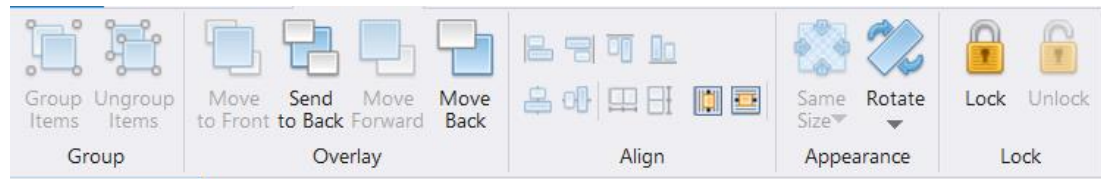
<i>Item</i>	<i>Description</i>
Text	<ul style="list-style-type: none"> ➤ Single Line Text : Set up a text object in a single row ➤ Multi-Line Text : Set up a text object in multiple rows
1D Barcode	Set up 1D barcode as Code11, EAN/JAN-8, UPC-A ...etc.
2D Barcode	Set up 2D barcode as QR code, Data Matrix, Code49 ...etc.
GS1 Barcode	Developing, not available now
Shape	<ul style="list-style-type: none"> ➤ Line : Use solid line to draw a vertical/horizontal line or a solid square/rectangular. ➤ Diagonal : Make a line with any angle in three different line styles (Solid, Dashed, and Dotted); The line thickness is adjustable. ➤ Box : Make a hollow or solid square/rectangular. The four corners can be rounded; The line color/style, fill color, and line thickness can be adjustable. ➤ Ellipse : Make a hollow or solid circle/ellipse. The line style/thickness can be adjustable.
Pictures	A window object is appeared in the design area, then click this window image to open a sub-dialog for user to insert an image file. The image size is adjustable.

2.2 VIEW

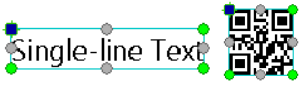


<i>Item</i>	<i>Description</i>
Zoom In	Zoom-in function for label design area
Zoom Out	Zoom-out function for label design area
Fit in Window 	Label design area fits your window
Actual Size 	The actual label size in the design area
Snap to Grid 	The objects can be moved in grid distance in the label design area
Grid 	The dots appeared in the background of design area for easily typesetting.
Tag 	A tick is showed/hidden in the bottom right corner of object PS: a tick is only appeared in the object that includes variable data
Object list	Open/close the right side Object List window in the Data area
Data Source List	Open/close the right side Data Source List window in the Data area
Transparent	Drag indicator to adjust transparency of the whole window

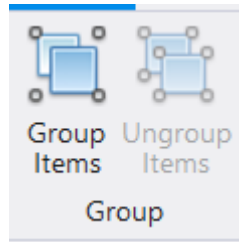
2.3 ARRANGE



2.3.1 Mouse Operation to Select Object

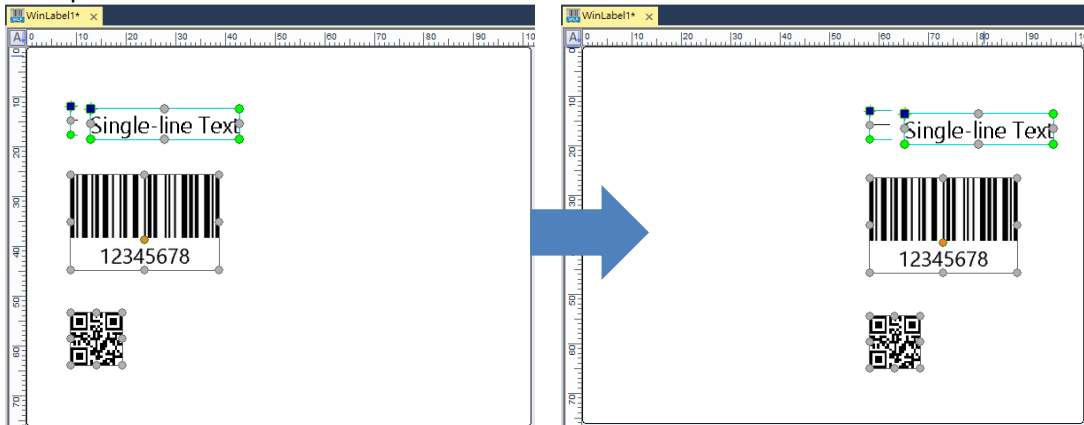
<i>Item</i>	<i>Description</i>
Single object selected	Move cursor to click a single object and then the green border is come out. In the meanwhile, you can adjust the position and size of this object.
Multiple objects selected	<ul style="list-style-type: none"> ➤ Hold the keyboard “Ctrl” button and then choose multiple objects (grey color border) at the same time.  <ul style="list-style-type: none"> ➤ When selecting multiple objects once, one of these objects with green border is a reference target, then user can execute alignment and arrangement of these objects together.
Enclose object	Press the left button of mouse to drag a box in dotted line, then make this box to enclose selected object.
Object movement	Move cursor to the select object and then hold the left button of mouse to move a single object or a group of objects.
Object size adjustment	While selecting a single object, user can drag eight green dots rounded the object border to adjust the size.
Zoon in and Zoom out	Hold the “Ctrl” button, and then roll the middle wheel of mouse, the label design area would be Zoom-in or Zoom-out.
Vertical movement	While rolling the middle wheel of mouse, the design label area is moving up or down.
Horizontal movement	While holding the “Shift” button and rolling the middle wheel of mouse, the design label area is moving to left or right side.
Press the right button of mouse	<ul style="list-style-type: none"> ➤ Move cursor on the object, and press right button of mouse, then a window related with object properties is come out. ➤ Press the right button on the blank label design area, a window related with layout settings is come out.
Press double left button of mouse	<ul style="list-style-type: none"> ➤ Double press left button of mouse in the blank design area, a “Page Setup” window is come out. ➤ Move cursor on the object, and double press left bottom of mouse, then specified “Modify object” window is come out.

2.3.2 Group

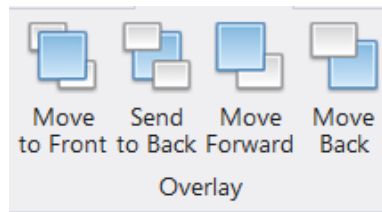


<i>Item</i>	<i>Description</i>
Group Items	Use mouse to enclose multiple objects and then click “Group Items” icon to group all selected objects. If moving one single object, the other objects in the same group can be moved together.
Ungroup Items	Cancel “Group Items” command to release each single object



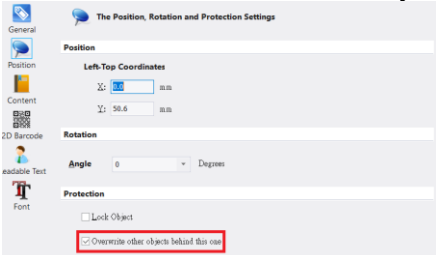
Example:



2.3.3 Overlay
















Provide overlay function to adjust overlay order of single object. If an object overlays the other objects, user can apply these functional icons to make objects to be highlighted/covered as below examples.





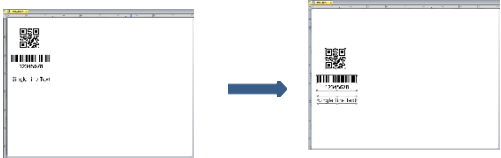
Texts under the barcode	Texts upon the barcode
	
<p>After moving texts forward, the user need to enter the objects settings and then check “Overwrite other objects behind this one” in Position settings.</p> 	

2.3.4 Align

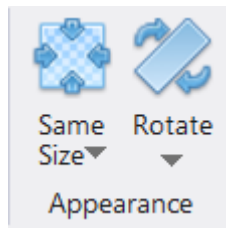


User can apply this function to make more than two objects aligning together and make more than 3 objects to be placed in the same gaps.

<i>Item</i>	<i>Description</i>
> Align left 	> A group of objects can be aligned left according to the left side position of selected object as reference target. 
> Align right 	> A group of objects can be aligned right according to the right side position of selected object. 
> Align top 	> A group of objects can be aligned top according to the top position of selected object. 
> Align bottom 	> A group of objects can be aligned bottom according to the bottom position of selected object. 
> Align horizontal center 	> A group of objects can be aligned center horizontally according to the center position of selected object. 
> Align vertical center 	> A group of objects can be aligned center vertically according to the center position of selected object. 
> Space across 	> While selecting a group of objects, press this button, the objects can be spacing horizontally with the same gap.

<p>➤ Space down</p> 	<p>➤ After selecting a group of objects, press this button, the objects can be spacing vertically with the same gap.</p>
<p>➤ Center horizontally in the design area</p> 	<p>➤ A group of objects can be placed horizontally in the center of design area.</p> 
<p>➤ Center vertically in the design area</p> 	<p>➤ A group of objects can be placed vertically in the center of design area.</p> 

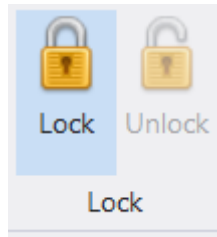
2.3.5 Appearance



- 1) Provide user to set multiple objects having the same dimensions including height, width or both.
- 2) Provide rotation function to the object.

<i>Item</i>	<i>Description</i>
Width	The width of a group of objects all can be set up the same width based on the width of selected object.
Height	The height of a group of objects all can be set up the same height based on the height of selected object.
Both	<p>The width and height of a group of objects all can be set up the same dimensions based on the dimensions of selected object.</p>
Rotate	Rotate selected objects in Left 90 degrees, Right 90 degrees, and 180 degrees.

2.3.6 Lock



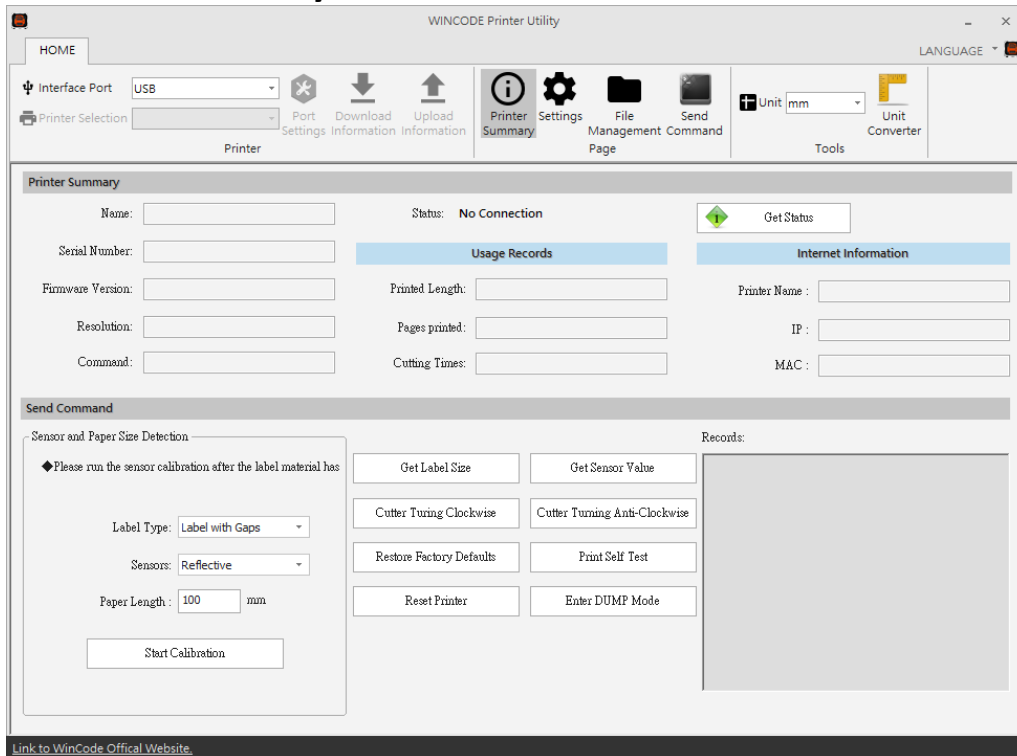
- 1) Provide fixed function to the selected object. If user wants object fixed in the design area, open this Lock function.
- 2) If the object has been locked, a small lock icon is appeared in the left-top corner of this object.



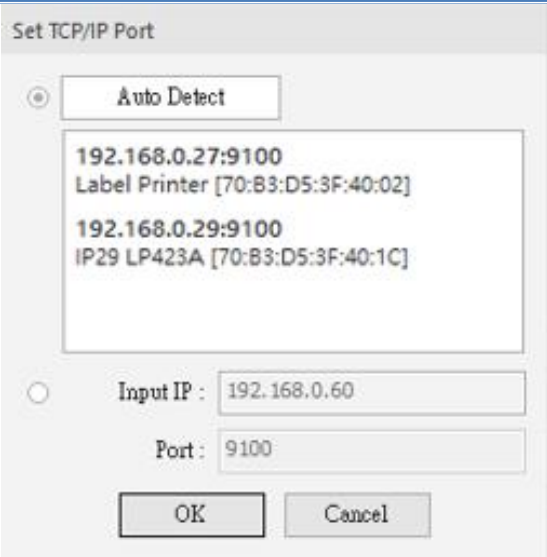
- 3) When a group of objects moving together, the locked object cannot be moved.

2.4 TOOLS


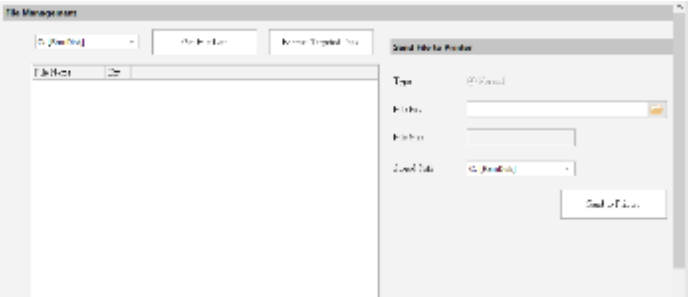
2.4.1 Printer Utility



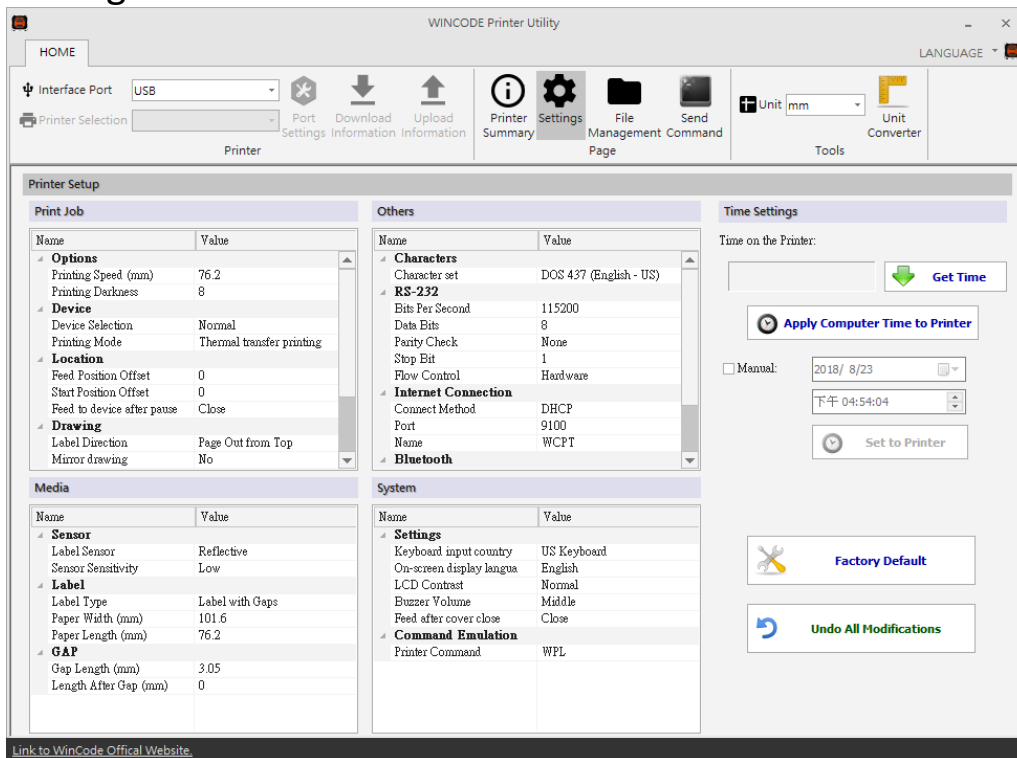
Item	Description
Interface port	Interface port selection: USB, RS232, LPT (Centronics), Ethernet.
Printer selection	While the printer is connected to the computer, the program can automatically detect the printer device. User can select a connected printer from the pulldown list.
Port settings	<p>When RS-232 or Ethernet is connected, select for interface settings</p> <ul style="list-style-type: none"> RS-232: bps, data bit, parity check, stop bit, flow control selection. <div data-bbox="517 1417 1003 1944" style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p>RS232 ✕</p> <p>Bits Per Second : 115200 ▼</p> <p>Data Bits : 8 ▼</p> <p>Parity Check : None ▼</p> <p>Stop Bit : 1 ▼</p> <p>Flow Control : Hardware ▼</p> <p style="text-align: center;"> <input type="button" value="OK"/> <input type="button" value="Cancel"/> </p> </div> <ul style="list-style-type: none"> Ethernet: auto or manual insert selection

	
<p>Download information</p>	<p>The current printer setting information can be showed in the Printer Summary area.</p>
<p>Upload information</p>	<p>The settings in the Printer Utility will be uploaded to the printer.</p>

1) Printing Summary

<p>Printer Summary</p>	<ul style="list-style-type: none"> Listing printer information  <p>Send Command window</p> <ul style="list-style-type: none"> Start Calibration <p>Run the sensor calibration after the label material has changed. If it is the same material but different size, only need to adjust the “Page Setup” at WinLabel. It is recommended to use “auto detection”.</p> <ul style="list-style-type: none"> Get Label Size: get the detected value of label size at the right table Get sensor value: get the detected value of the sensors at the right table Cutter Turning Clockwise: cutter cuts label from top to bottom (Fully cut) Cutter Turning Anti-Clockwise: cutter cuts from bottom to top (Not completely cut-off the label, the user can tear off the label) Restore Factory Defaults: restore the parameters of the printer to factory default settings. Printer Self Test: print out the internal settings of the printer. Reset Printer: restart the printer <ul style="list-style-type: none"> Enter DUMP Mode: enter to the DUMP mode (Press “menu” for returning to the original mode)
<p>Settings</p>	<p>Please refer to the 3.5.2 Settings</p>
<p>File Management</p>	<p>Check the detail files in the different store spaces</p> 
<p>Send command</p>	<p>Be able to send command to the printer, please refer to the Printer Command Manual.</p>
<p>Unit- Tools page</p>	<p>Printing measurements: millimeter (mm), centimeter (cm), inch (in).</p>

2) Settings



➤ Print Job

Item	Description
Printing Speed (mm)	Select required speed
Printing Darkness	Select the required parameters from 0 to 15; adjust the temperature of the print head (8 is recommended for wax ribbon)
Device Selection	Normal, tear-off, peel-off and cutter modes are selectable.
Printing Mode	Direct Thermal and Thermal Transfer modes are selectable
Feed Position Offset (After printing)	Input the required parameters. (If the printer is connected to cutter/peeler, user may use this for offset settings. Default: 0)
Start Position Offset (Before printing)	Input the required parameters (Plus value feeds more distance; minus value back feeds more distance) * 203 dpi:8dot=1mm, 300 dpi:12dot=1mm
Feed to device after pause	Close: while pressing button, printer stop printing immediately. Open: while pressing pause button, printer will stop printing after completing the current label.
Label Direction	Label-out from the top or Label-out from the bottom
Mirror Drawing	No effect or mirror reflection.
Drawing origin X axis offset	Input the required parameters
Drawing origin Y axis offset	Input the required parameters

➤ Media

Item	Description
Sensor-Label Sensor	Which sensor is using; Reflective / Transmissive selectable.
Sensor-Sensor Sensitivity	Low / Middle / High selectable.
Label-Label Type	Label with Gaps / Label with Black Line / Continuous label selectable.
Label-Paper Width	User can enter the parameter. (default: 4 inches)
Label-Paper Length	User can enter the parameter. (default: 3 inches)
Gap-Gap Length	User can enter the parameter. (default: 0.4016 inches)
Gap-Length after Gap	User can enter the parameter.
Label with Black Line-Black Line Thickness	User can enter the parameter. (default: 0.4016 inches) (Only when it is loaded the label with black line.)
Label with Black Line-Length after Black Line	User can enter the parameter. (Only when it is loaded the label with black line.)

➤ Others

Item	Description
Characters	User can adjust the parameters.
RS-232	User can adjust the parameters when the port is RS-232.
Internet Connection	User can adjust the parameters while selecting "manual". Default: DHCP.
Bluetooth	User can enter the name and PIN code.

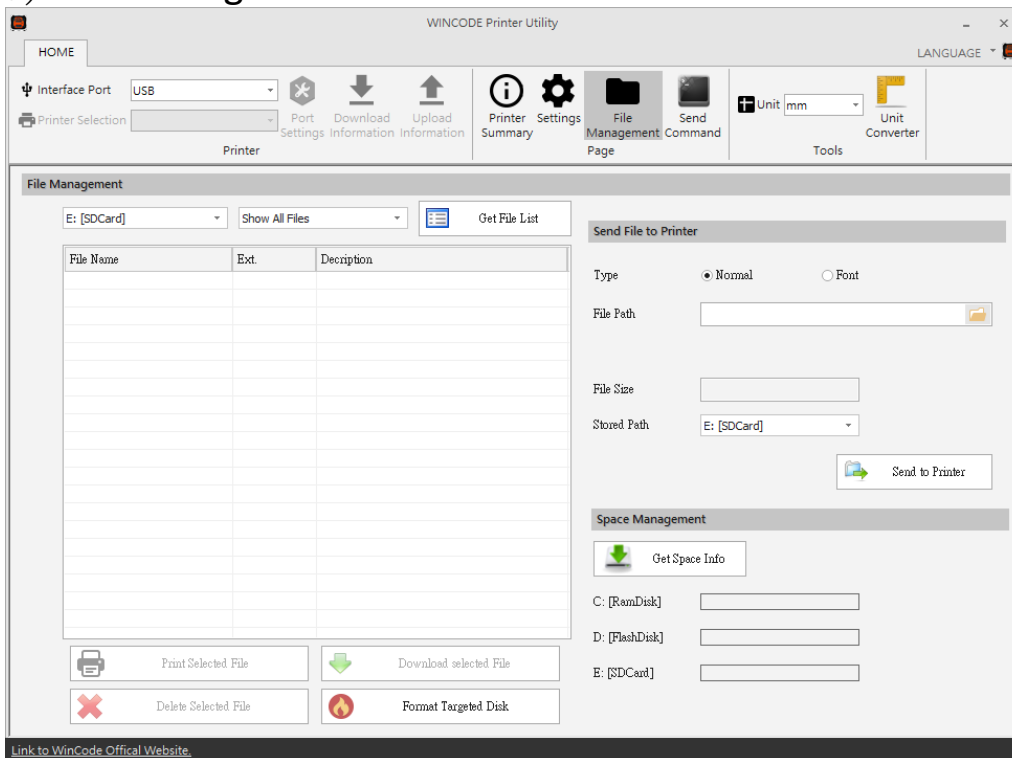
➤ System

Item	Description
Setup-Keyboard Input country	Default: US Keyboard
Setup-On-screen display language	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Vietnamese, Korean.
Setup-LCD Contrast	Review the LCD contrast settings
Setup-Buzzer volume	Review the Buzzer volume settings in the printer
Setup-Feed after cover closed	Close / Open
Setup-label used up indication	Close / Open (Optional)
Setup-label length Error control	Close / Open, after selected, if the label size does not match the settings, the system sends the error report.
Printer Command	Printer Emulation Switch Auto Detect (Default), detect WPL, TSPL, ZPL, EPL, DPL automatically.

➤ Time Setup

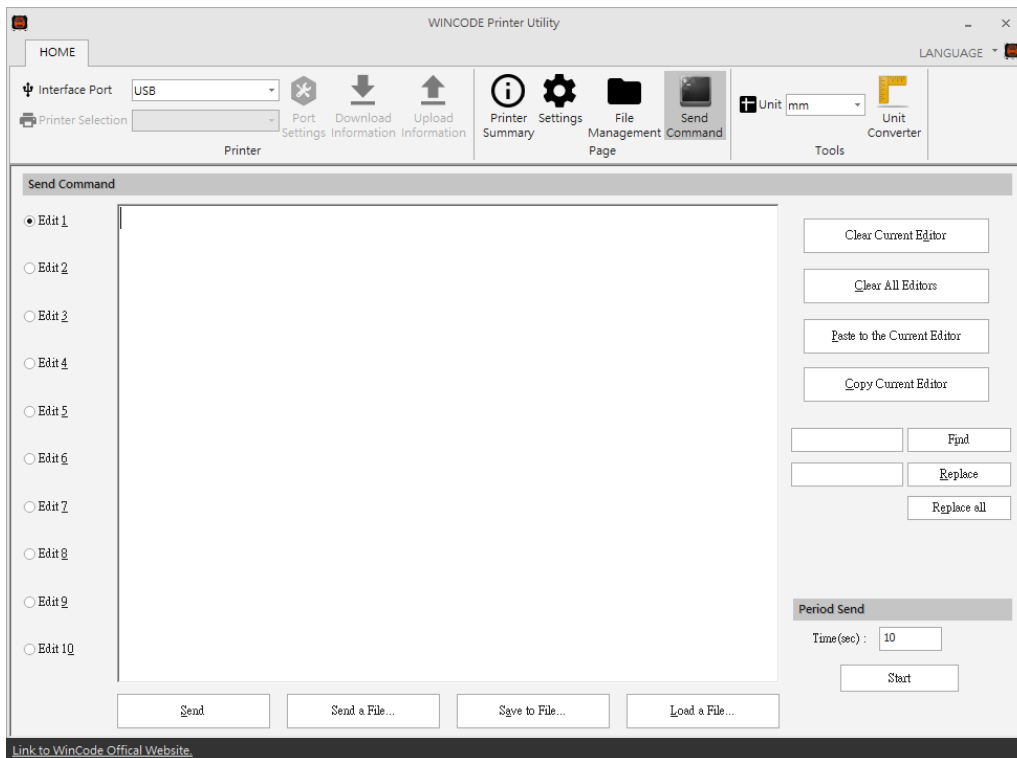
Item	Description
Printer Current Time	<ul style="list-style-type: none"> • Get the time: to get the current time of the printer. • Synchronize the time of the computer to the printer. • Manual setup: the user can setup the time of the printer.
Reset to manufacturer default	Reset the printer to manufacturer default
Undo	Reset all the parameters to the original parameters, will not affect the setup in the printer.

3) File Management



Item	Description
Get the file list	To get the file list from C:[RamDisk], D:[FlashDisk] or E:[SDcard]
Format the target disk	Initialize the disk
Delete selected file	Delete the selected files.
Download selected file	Download the selected files.
Print selected file	Print out the selected files.
Send the file to the printer	<p>Send the selected files or font to the assigned storage area in the printer</p> <ul style="list-style-type: none"> File path: select the file that needed to be uploaded File size: show the size of the file automatically Storage location : select the storage location from C:[RamDisk]、D:[FlashDisk]、E:[SDcard]

4) Send Command



Item	Description
Edit Zone	Edit the command <ul style="list-style-type: none"> • Clear the current edit zone : to clear the command in the current edit zone • Clear all the edit zone : to clear all the command in the edit zone • Paste to the current edit zone : paste the command to the current edit zone • Copy the current edit zone : copy the content in the edit zone • Search: search the specific content in the edit zone • Search and replace: replace the searched content • Replace all: replace all the assigned content from the edit zone
Send	Send the command to the printer
Send the file	Send the file to the printer
Save the file	Save the command in the edit zone
Read the file	Read the file at the edit zone

2.4.2 Printer Installation

The printer supports USB, COM, LPT and TCP/IP connection. For WIFI, Ethernet, please connect with TCP/IP; for Bluetooth, RS-232, please connect with COM.

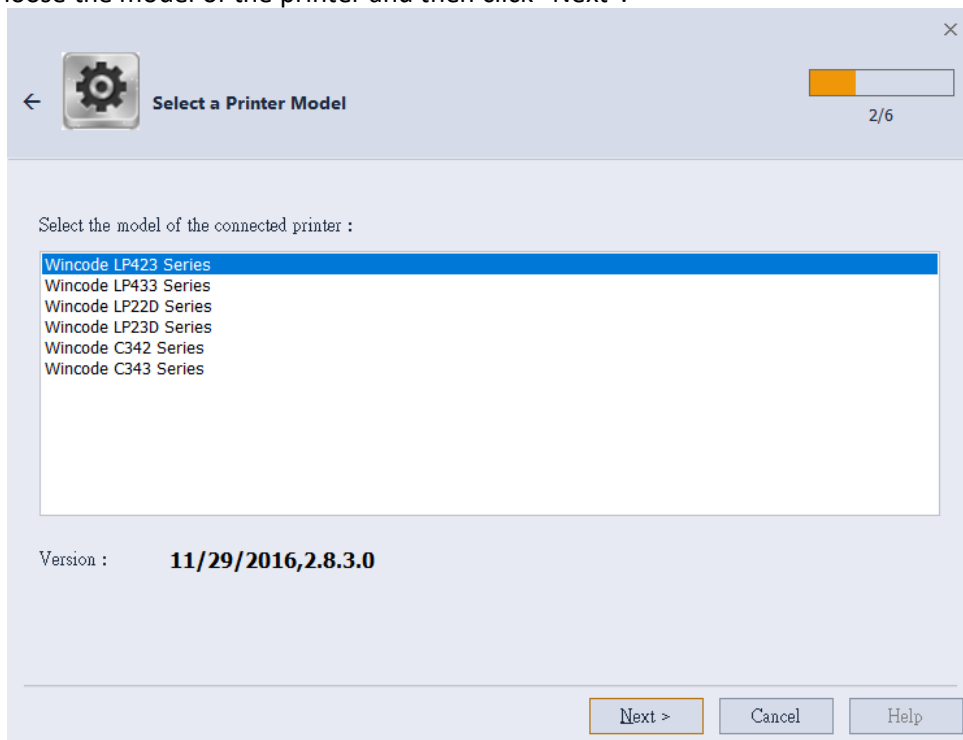
Step1

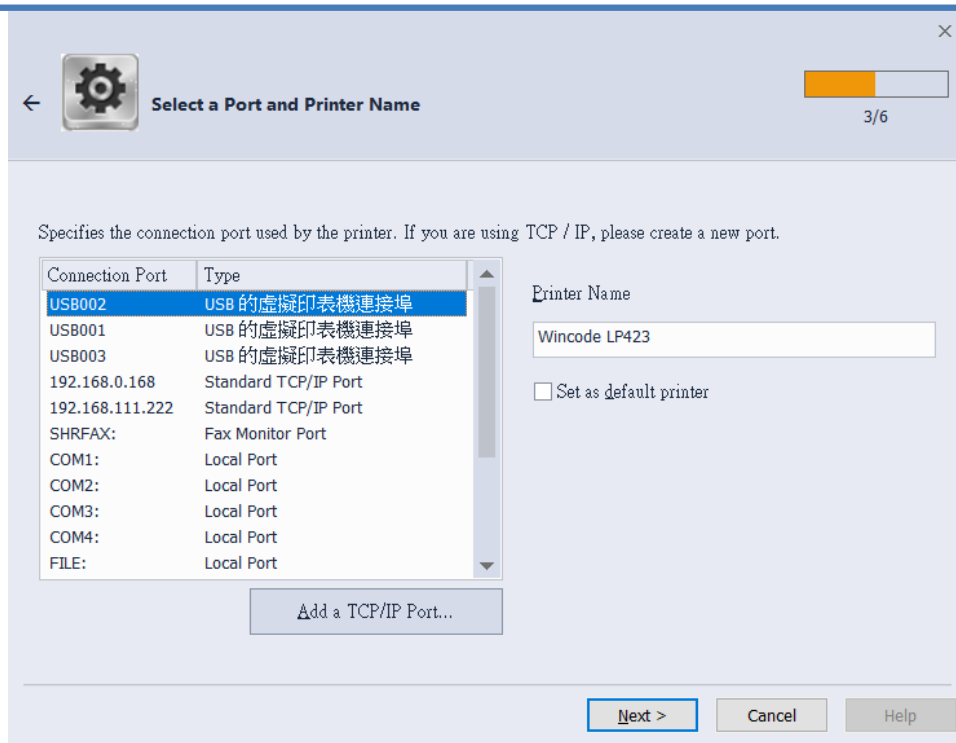
Open WinLabel software and click InstallDriver, the user will see the figure below. Connect the printer to the computer with USB / RS-232 / LPT cable and press Next.



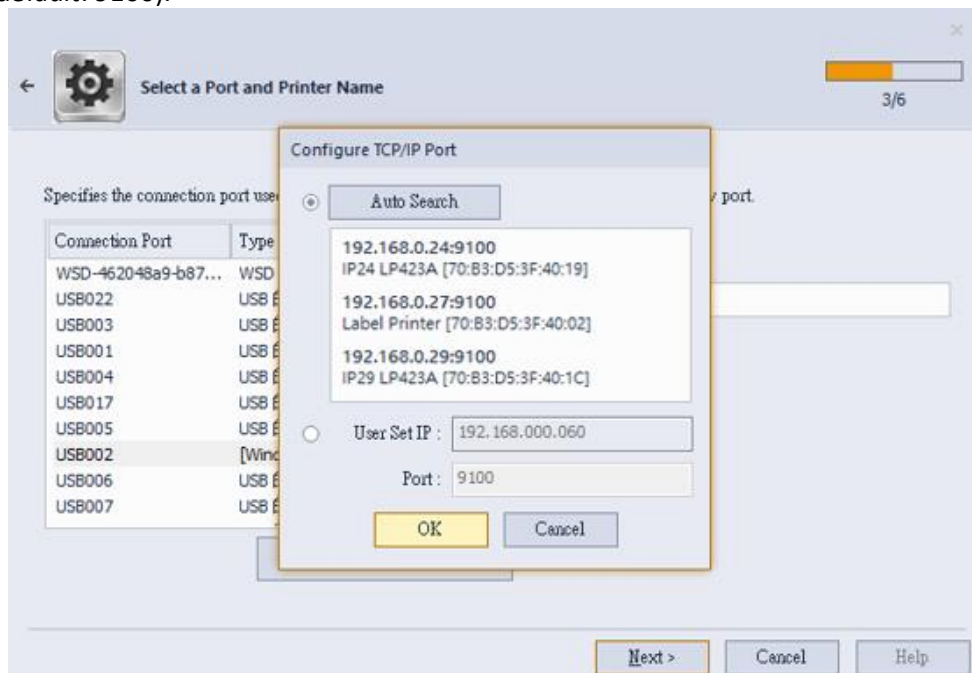
Step2

Choose the model of the printer and then click "Next".



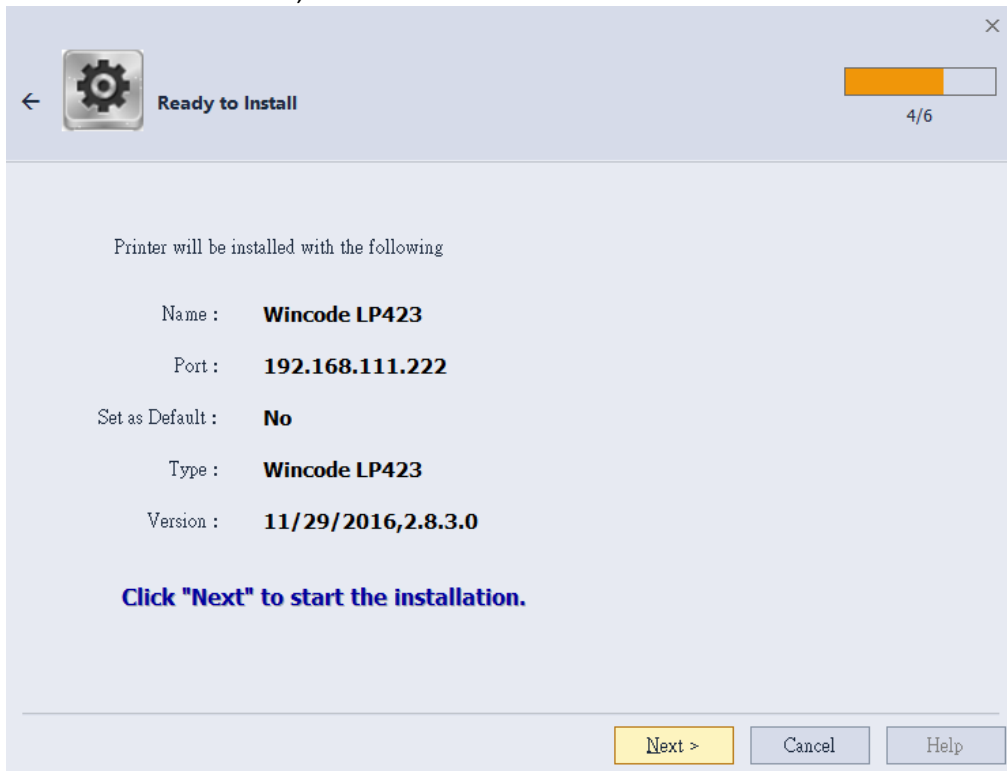


- USB connection: the program will select the port of the printer automatically.
- RS-232, LPT connection: please select the correspond COM or LPT.
- Ethernet, WIFI and IP Sharer connection: please select “add ICP/IP port”
 - Use automatically search: It will search the whole printers that connected to the internet, the program will bring the user to the selected printer IP and the number of port automatically.
 - If the user select manual insert, please insert the number of the IP and port (default: 9100).



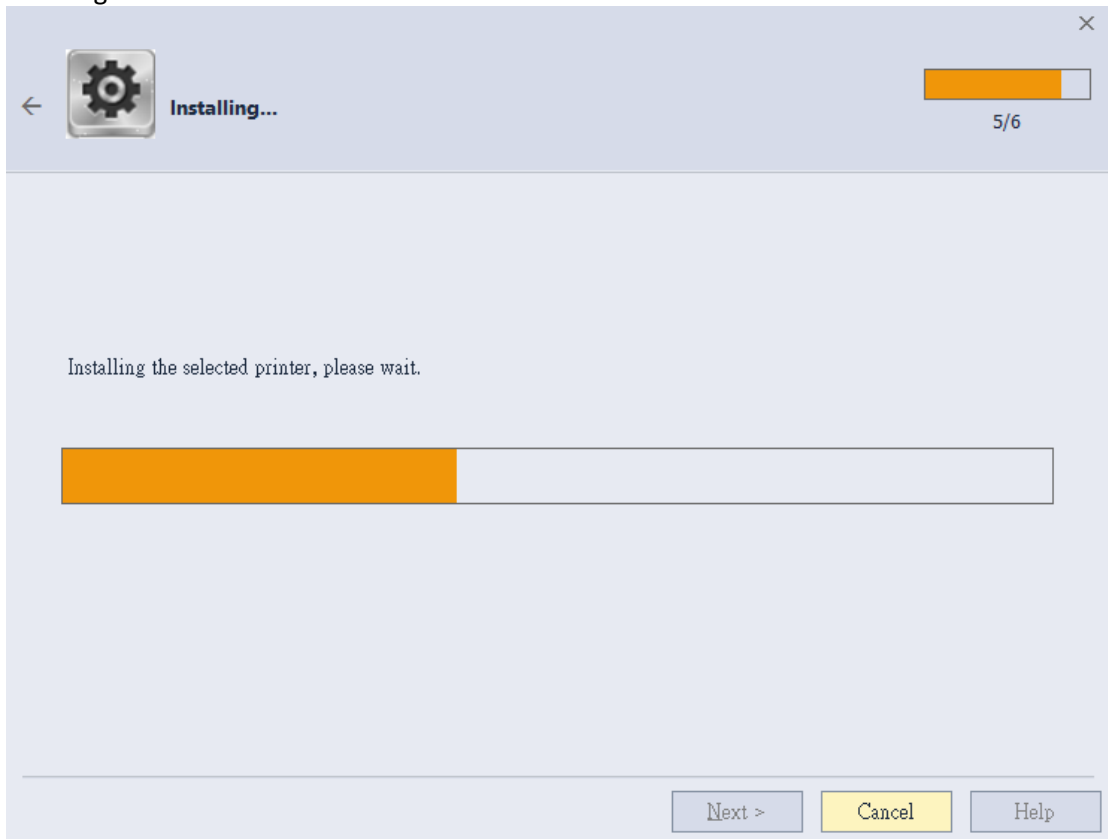
Step3

If the information is correct, click "Next" to start the installation.



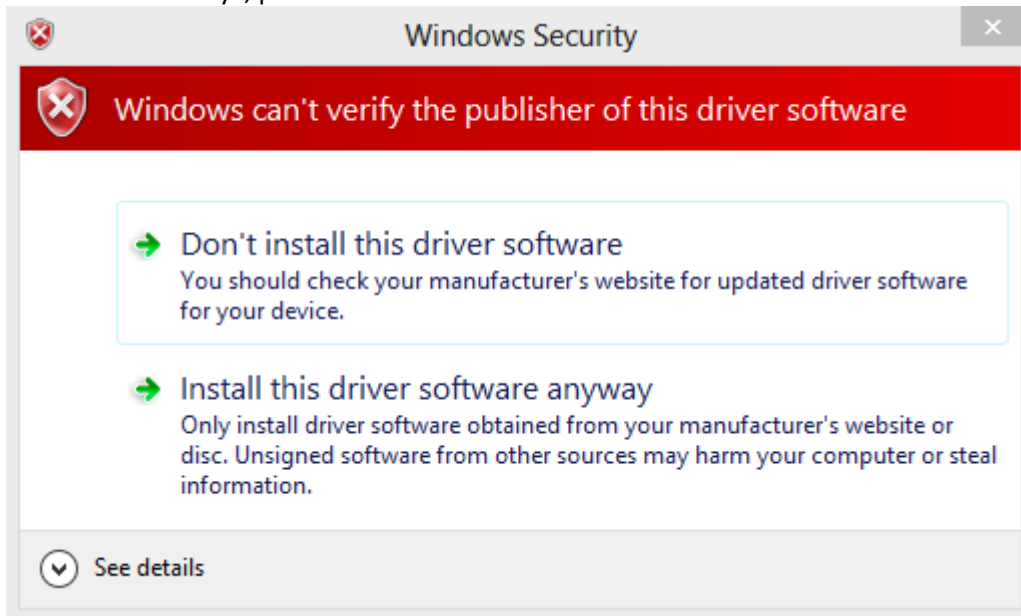
Step4

Installing

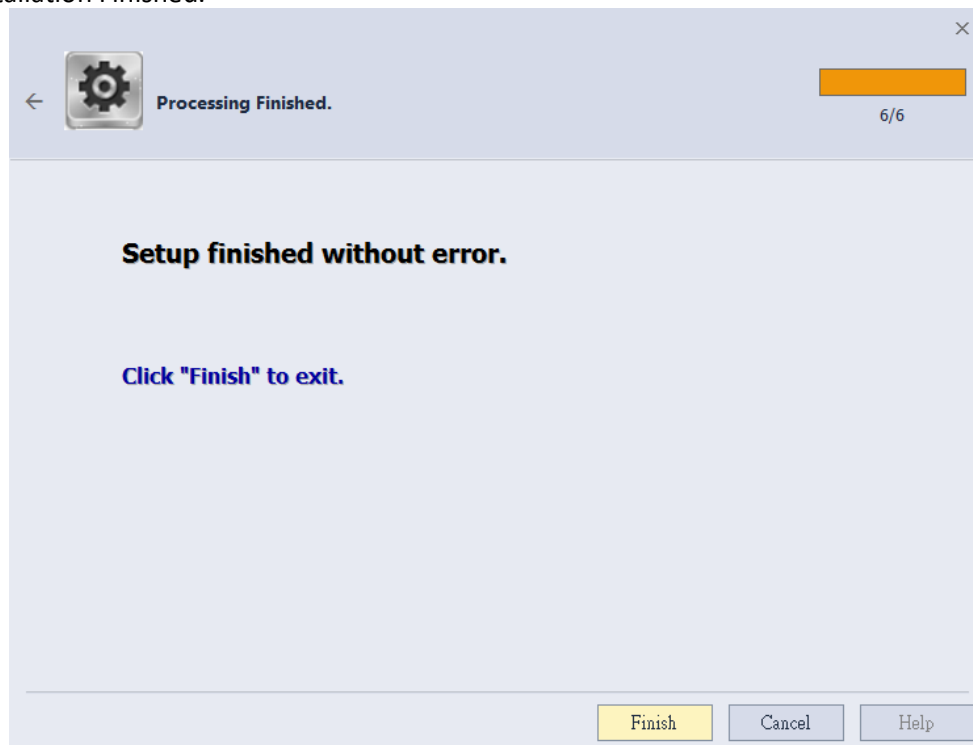


Step5

"Windows Security", please select "continue the installation".

**Step6**


Installation Finished.



3 CREATING AND EDITING OBJECT

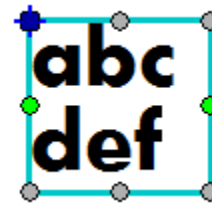
3.1 Create Text Object (Single-line / Multi-line text)

3.1.1 How to Create

- 1) Click the  icon to create a text object.
- 2) Pull down this option to choose "Single Line Text" or "Multi- Line Text"
- 3) Put the cursor at the position that needed the object and click.
 - "Single-line Text" object can be adjusted size by using mouse to draw four green dots at four corners of object border; "Multi-line Text" object only can be adjusted width by drawing two dots in the left and right sides of border.



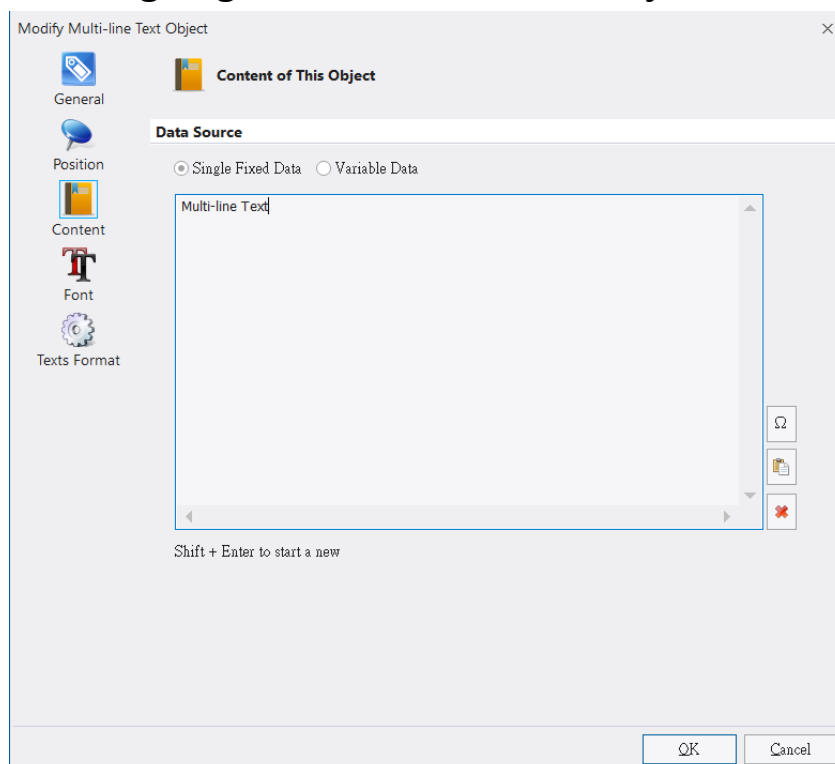
Single Line Text



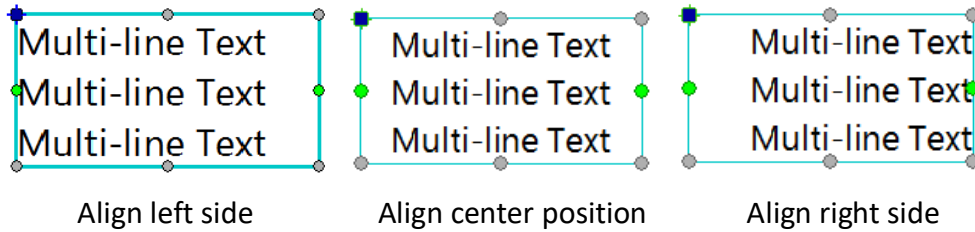
Multi-Line Text

- The object properties of each text object can be entered via clicking "Object Setting" at the "MAIN" page.

3.1.2 Aligning for Multi-Line Text Object




User can use aligned functions (“FORMAT”–“MAIN” page) to adjust the multi-line texts' aligned positions, please see the below examples.



3.2 Create 1D Barcode Object

3.2.1 How to Create

- 1) Click  icon from the “Create Object” bar to create 1D barcode object.
 - The barcode size can be adjusted by drawing eight dots rounded the object border.




3.2.2 1D Barcode Setting

Modify Linear Barcode Object

Barcode Settings

Barcode Type

 Code 39 - Standard or Extended

Dimensions

Narrow Bar Width: mm Ratio:

Height: mm

Special Options

Valid Codes: Full 128 Character ASCII Set (0 ~ 127)


Start Character:


Stop Character:

Check Digit (MOD 43)

OK Cancel

While selecting 1D barcode object, click the “Object Settings” icon in “MAIN”

page to open a dialog and then select  in the left column to enter 1D “Barcode Settings” page. See the below details.

<i>Item</i>	<i>Description</i>
Barcode Type	Selected 1D barcode › Code11, Code39, Code93, Code128, CODABAR, EAN/JAN-8, EAN/JAN-13, Interleaved 2 of 5, ITF14, MSI, Telepen, UPC-A, UPC-E, Post Code, UCC-128
Dimensions	<ul style="list-style-type: none"> ➤ Narrow bar width <ul style="list-style-type: none"> ■ The narrowest bar width ■ Ratio: the width of thick bar to the width of narrow bar ■ If a barcode has three different bar widths, the width ratio would be adjusted automatically. ➤ Height: The height of 1D barcode 
Special Options	<p>There are different settings while selecting different barcode type as following figures.</p> <p>Code11</p> <div data-bbox="488 1167 1251 1525" style="border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0;"> <p>Special Options</p> <p>Valid Codes: 0 ~ 9</p> <p><input checked="" type="checkbox"/> Check Digit</p> </div> <p>Code39</p> <div data-bbox="488 1603 1259 1977" style="border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0;"> <p>Special Options</p> <p>Valid Codes: Full 128 Character ASCII Set (0 ~ 127)</p> <p>Start Character: * <input type="text"/></p> <p>Stop Character: * <input type="text"/></p> <p><input type="checkbox"/> Check Digit (MOD 43)</p> </div>

Special Options

Code93/Code128

Special Options

Valid Codes: Full 128 Character ASCII Set (0 ~ 127)

Check Digit

CODABAR

Special Options

Valid Codes: 0 ~ 9 \$-:/.+ Check digit: None

Start Character:

Stop Character:

EAN/JAN-8

Special Options

Valid Codes: 0 ~ 9 Length: 8 digits (7+1)

Check Digit

Supplementary Length:

None



2 Digit



5 Digit



EAN/JAN-13

Special Options

Valid Codes: 0 ~ 9 Length: 13 digits (12+1)

Check Digit

Supplementary Length:

None



2 Digit



5 Digit



Interleaved 2 of 5

Special Options

Valid Codes: 0 ~ 9 Even number of digits

 Check Digit Readable Text Check Digit Visibility

Bearer Bars

 None Top/Bottom RectangleThickness: Quiet Zone:

ITF14

Special Options

Valid Codes: 0 ~ 9 Length: 14 digits (13+1)

 Check Digit

Bearer Bars

 None Top/Bottom RectangleThickness: Quiet Zone:

MSI

Special Options

Valid Codes: 0 ~ 9

Select a Type:

- MSI with Check Digit (MOD 10)(Default)
- MSI without Check Digit
- MSI with Check Digit (MOD 11)
- MSI with Check Digit (MOD 1010)
- MSI with Check Digit (MOD 1110)
- Basic Plessey (non-MSI)

Telepen

Special Options

Valid Codes: Full 128 Character ASCII Set (0 ~ 127)

 ASCII NumbersStart Character: Stop Character: Check Digit


UPC-A


Special Options


Valid Codes: 0 ~ 9 Length: 12 digits (11+1)

Check Digit

Supplementary Length:

None 

2 Digit 

5 Digit 

UPC-E

Special Options

Valid Codes: 0 ~ 9 Length: 7 digits (6+1)

Check Digit

Supplementary Length:

None 

2 Digit 

5 Digit 

Post Code

Special Options

Valid Codes: 0 ~ 9

Type:

Settings:

Check Digit

Standard Size

UCC

Special Options

Valid Codes: Full 128 Character ASCII Set (0 ~ 127) Length: 20 dig

Check Digit

Code Set:

Options description	<ul style="list-style-type: none"> ➤ List allowed data code and date length ➤ Data content has inconformity with character code, the program will delete this character code automatically. ➤ Data content is exceeded the specified barcode length; the program will delete the exceeded character code. ➤ Data content is less than specified barcode length, the program will automatically add number "0" until meeting the specified barcode length.
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3.2.3 Readable Text Page Settings

- Vertical Alignment: See below options



None



Below barcode



Above barcode

- Start/end characters : Show the start/end characters, but part of barcode type does not have this function

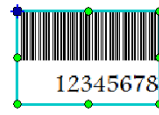
- Horizontal Alignment: See below options



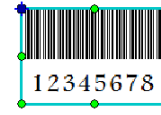
Left



Center




Right



Justify

3.3 Create 2D barcode Object

3.3.1 How to Create

- 1) Click  icon (in "MAIN" page) to create required 2D barcode object.
- 2) Select the type of barcode.
- 3) Put the cursor at the position that needed the object and click.
 - 2D barcode object means that two dimensional barcode is a graphical image that stores information both horizontally and vertically. WinLabel program provides user several 2D barcode types that are classified in the Matrix and Stacked styles.
 - The 2D barcode size can be adjusted by drawing eight green points rounded in the object border. The "Matrix" style size only can be adjusted by drawing four corner points.



- If the content is not conformed with 2D barcode's standard, a red "x" mark is appeared in the center of 2D barcode and this object will not be printed out.

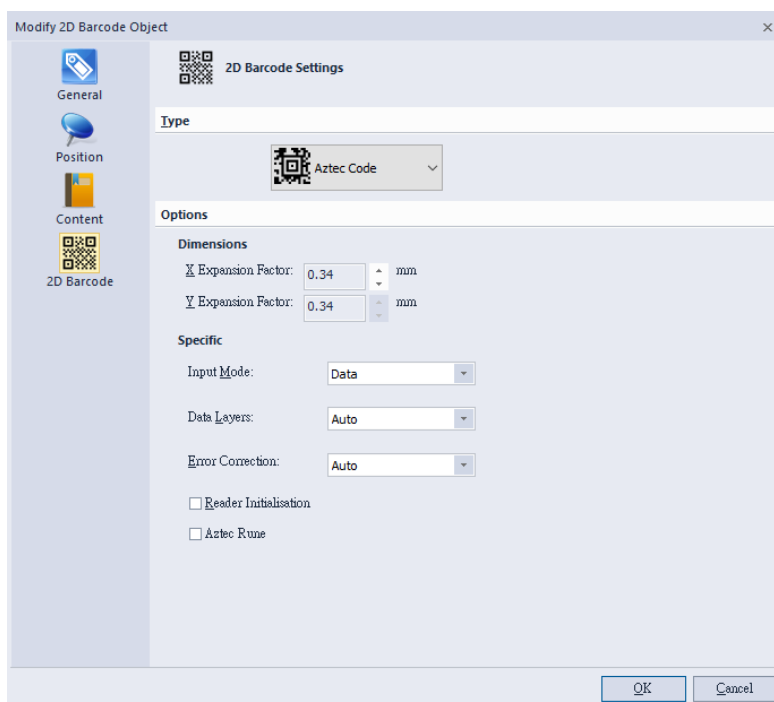


3.3.2 2D Barcode setting

Double-click the object and enter the setting page, please see the introduction below:

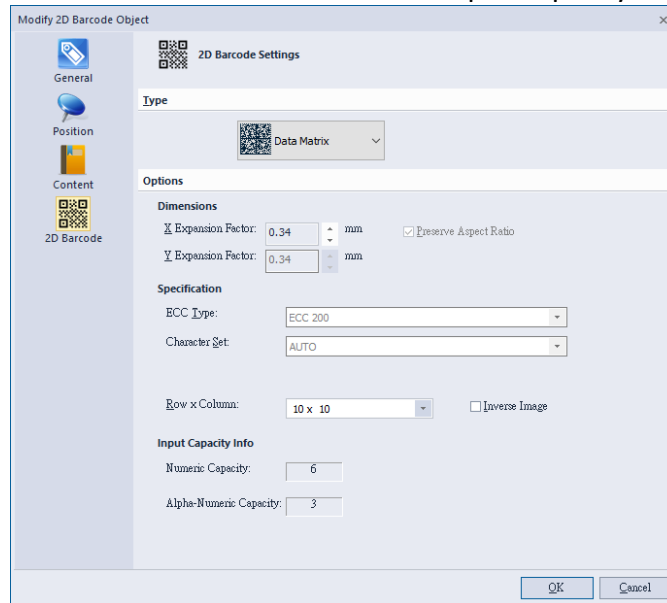
1) Aztec Code

- Dimensions : Adjust object size
- Input Mode : Choose input data type
- Data Layer : More information is included and the image size is bigger (Auto option is suggested)
- Error Correction : Provide 10%, 23%, 36% and 50% four options (Auto option is suggested)



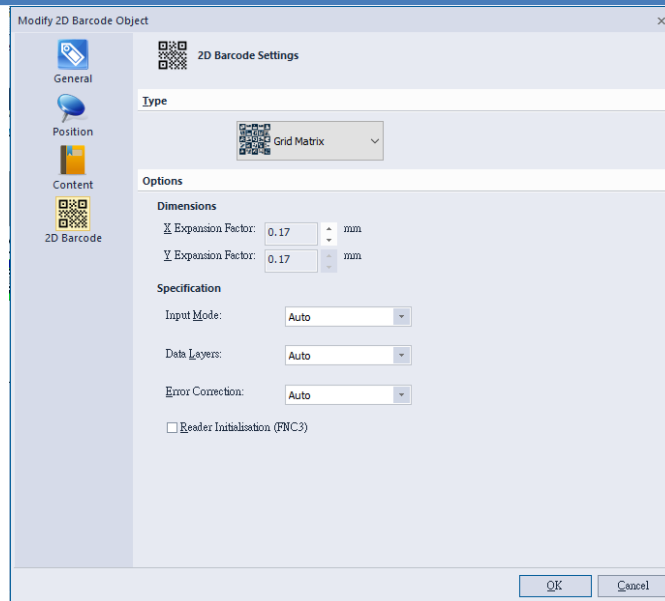
2) Data Matrix

- Dimensions : Adjust object size
- Specification : Only support ECC 200
- Row x Column : The capacity of filling character and number, the details can be reviewed in the “Input Capacity Info”



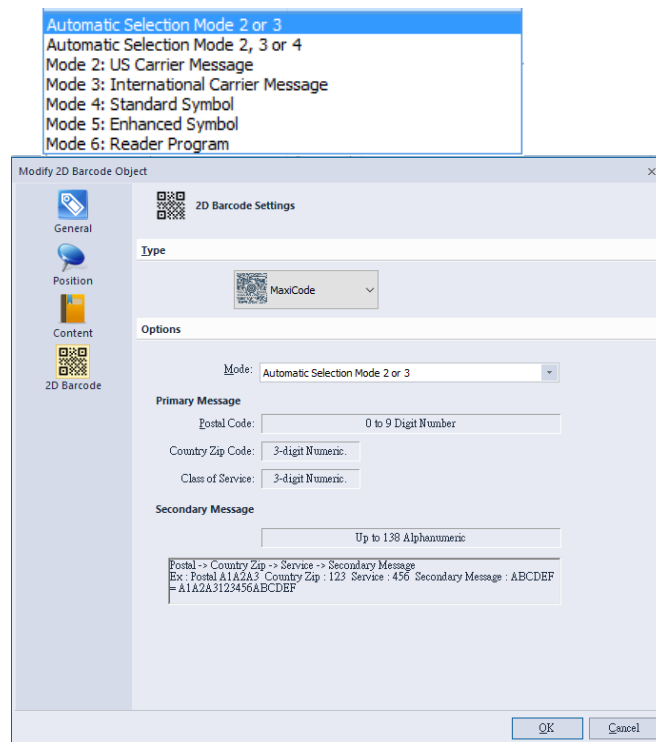
3) Grid Matrix

- Dimension : Adjust 2D barcode size
- Input model : Select required date type
- Data layer : The more data input and the bigger 2D barcode size (Auto option is suggested)
- Error correction : Provide 10%, 20%, 30%, 40%, and 50% options (Auto option is suggested)



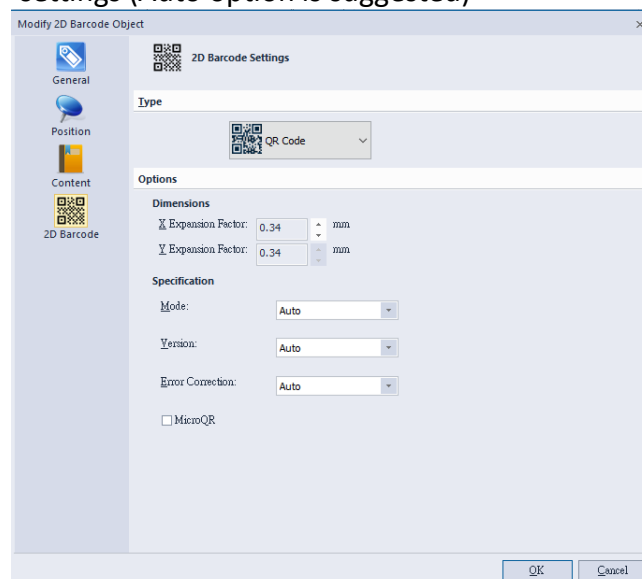
4) MaxiCode

- Different modes are selectable as below Figures



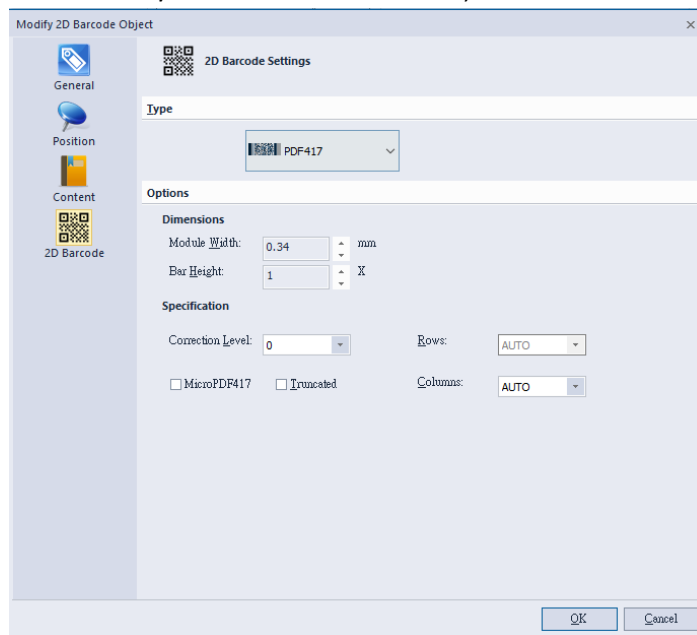
5) QR Code and Micro QR Code

- Dimension : Adjust 2D barcode size
- Mode : Select data input mode (Auto option is suggested)
- Version : The more data input and the bigger size of barcode (Auto option is suggested)
- Error Correction : Provide L-7%, M-15%, Q-25%, and H-30%
- settings (Auto option is suggested)



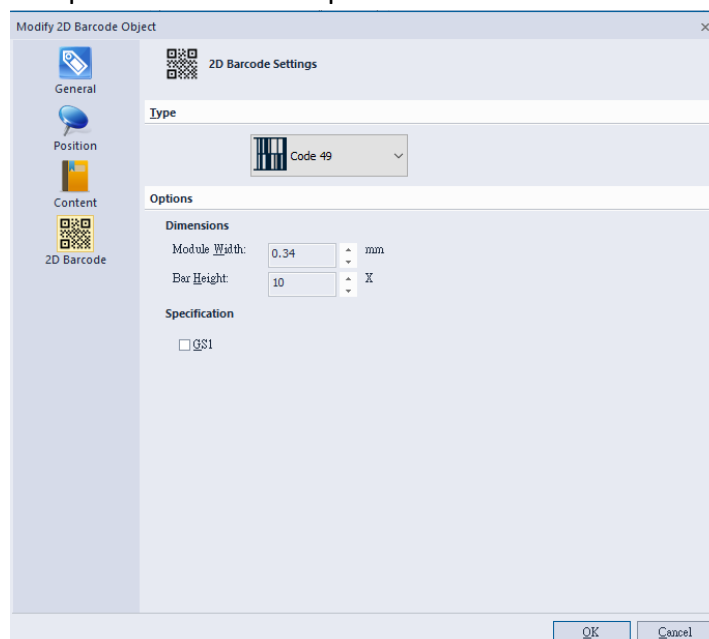
6) PDF417 and Micro PDF417

- Dimension : Adjust 2D barcode size
- Correction Level : Provide 1-8 level option
- Truncated : If ticking this option, barcode size can be truncated a half of length.
- Under the Micro PDF417 model, the "Correction Level" and "Truncated" options cannot be selected.
- Columns/Rows : Auto is default, but raw value is adjustable.



7) Code 49 / Code 16K

- Dimension : Adjust 2D barcode size
- Specification : GS1 option can be selected



3.4 Create Shape object – “MAIN” page

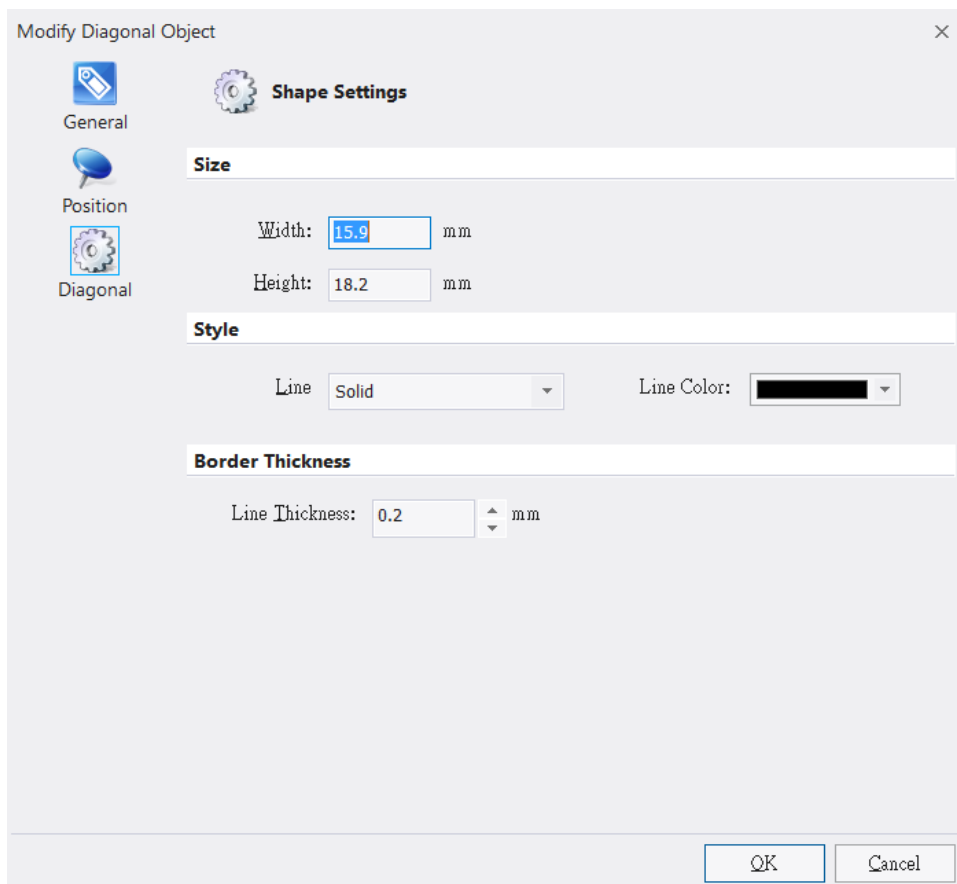
3.4.1 How to Create



- 1) Click the icon from the “Create Object” toolbar (“Main” page)
- 2) Pull down a list to select Line, Diagonal, Box, and Ellipse options.
- 3) Drag the shape at the edit zone.

3.4.2 Line Object

- Solid lines: Vertical or horizontal line, and solid square or rectangle shape is possible.
- Using mouse to draw eight green points rounded the object to adjust size. Or input dimensional values in the “Object Settings” dialog to adjust size.
- It will be output as a command while printing to keep the quantity of data lower.

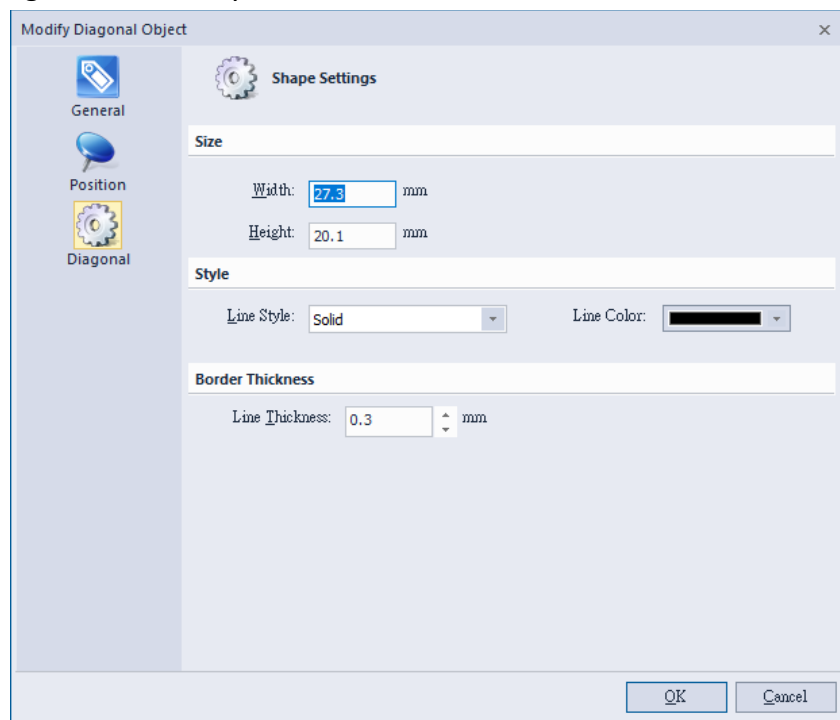


3.4.3 Diagonal Object

- Create a line with any angle
- Line Style: Solid, dashed, and dotted styles
- Move cursor to draw the diagonal size, or input the dimensional

values in the “Object Settings” to adjust size

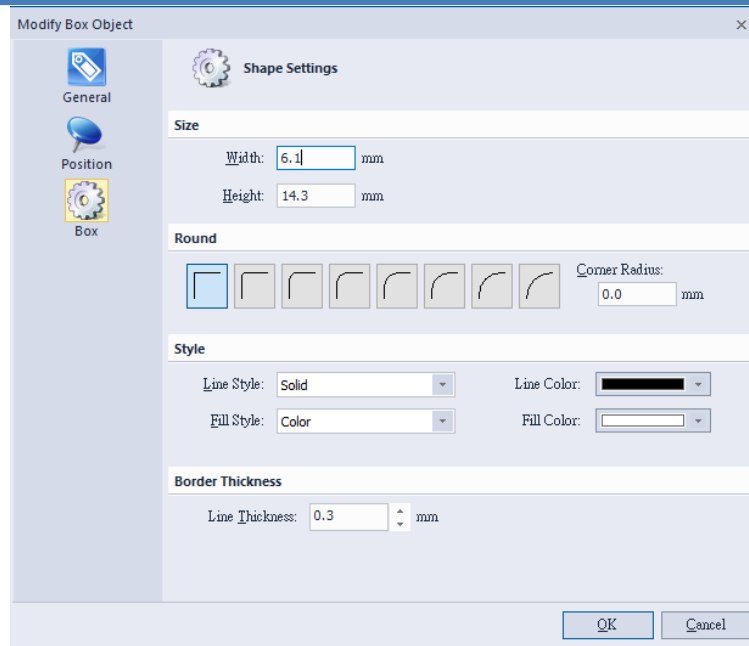
- Shape settings: Size, Line color, Line style and Line thickness
- Diagonal object is sent to printer in graphic mode, the data volume is bigger than sending in command mode.
- The line color is selectable but non-black color line is printed out in vague black dot style.



3.4.4 Box Object

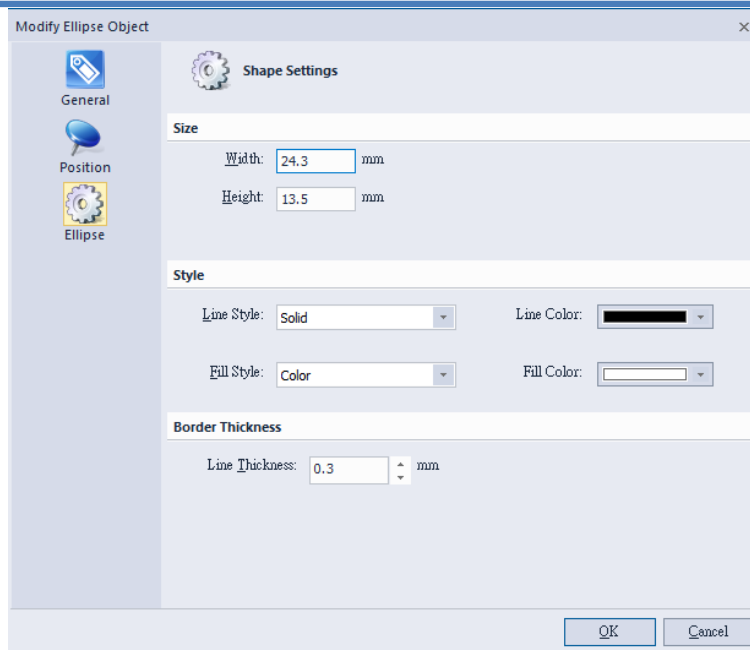
- Solid or hollow block with different radius corners, the border line can be solid, dashed, and dotted styles.
- Drawing eight green points rounded the block object to adjust size or inputting dimensional values in the “Object Settings” dialog.
- Line color and style (solid, dashed, dotted) are selectable but non-black line is printed out in vague black dot style.
- Fill color: fill specified color in the block object.
- Border thickness: input value to adjust line thickness
- Corner radius: click the below examples or input value in the “Corner Radius” area.






3.4.5 Ellipse Object

- Solid or hollow circle/ellipse, the drawing line can be solid, dashed, dotted styles.
- Moving cursor to draw eight green points to adjust the object size or inputting dimensional value in “Object Settings” dialog.
- The ellipse size, line color, line style, and line thickness are selectable.
- Line color and Line style (solid, dashed, dotted) are selectable but non-black line is printed out in vague black dot style.
- Fill color: fill specified color in the inside object
- Border thickness: input value to adjust line thickness



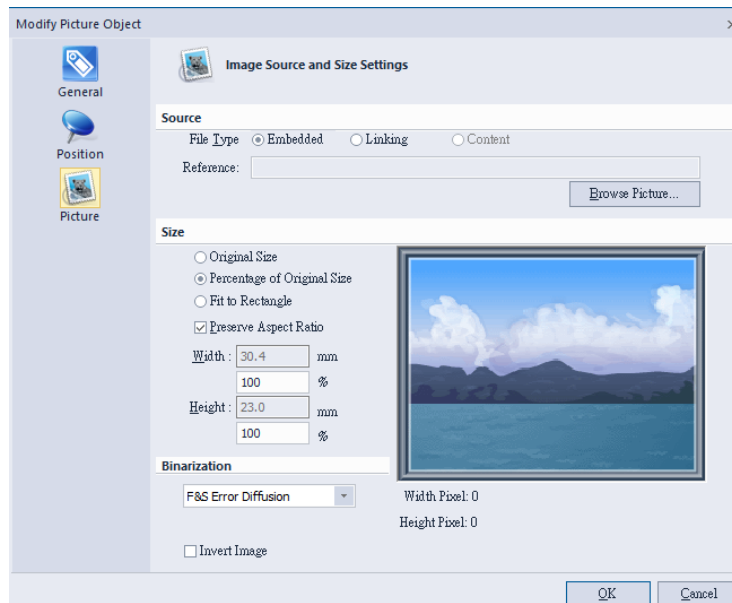
3.5 Create Picture Object – “MAIN” page

3.5.1 How to Create

- 1) Click  icon in the “Create object” toolbar to create a picture object.
- 2) Put the cursor at the position that needed the object and click.
 - The size of the object can be adjusted by drawing eight dots rounded the object border.

3.5.2 Image Source and Size Settings

Double-click the object and then enter the setting page.

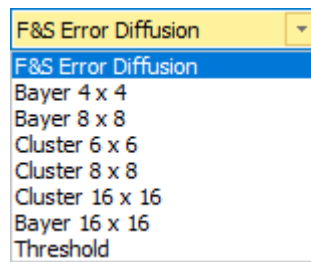


- Image file supports following formats as BMP, DIB, GIF, ICO, JIF, JPEG, JPG, PCX, PNG, TIF, and TIFF ◦
- There are three ways (embedded, linking, content) to insert

image in the label design area.

<i>Item</i>	<i>Description</i>
Embedded	The file is stored in the label file
Linking	The image is not stored in the label file so when opening this label design, the image needs to be existed in the same folder together.
Content	The file can insert many images

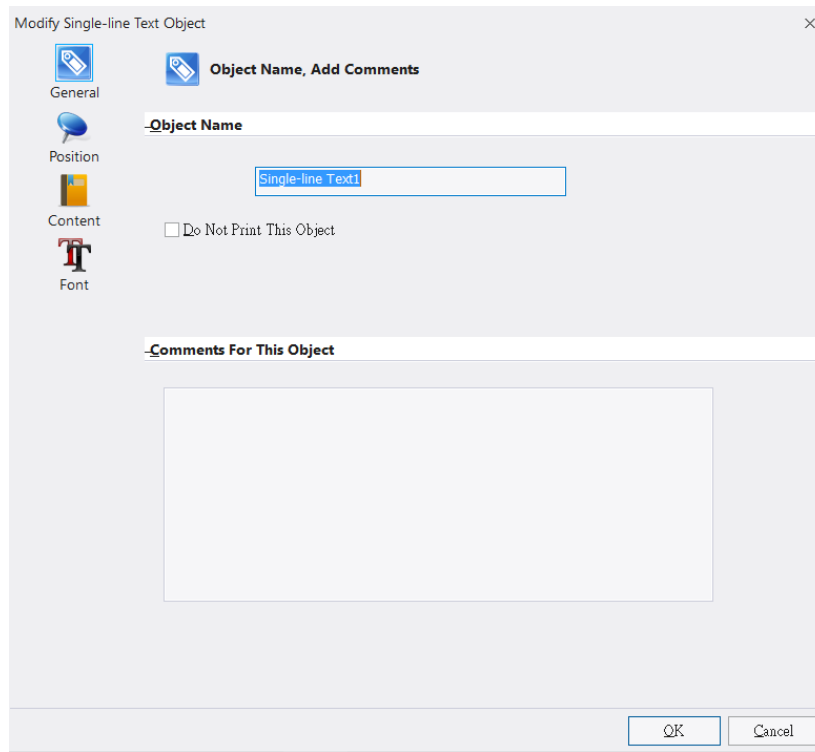
- The image size can be adjusted in three modes: Original Size, Percentage of Original Size, and Fit to Window.
- Preserve Length-Width Ratio: If selected, the image size is adjusted by fixed ratio.
- User can press the “Browse File” to open a file list to select required image file.
- Binarization : Converts color images to different kind of black-and-white image.



3.6 Object Settings

Double-click the object and then enter the setting page.

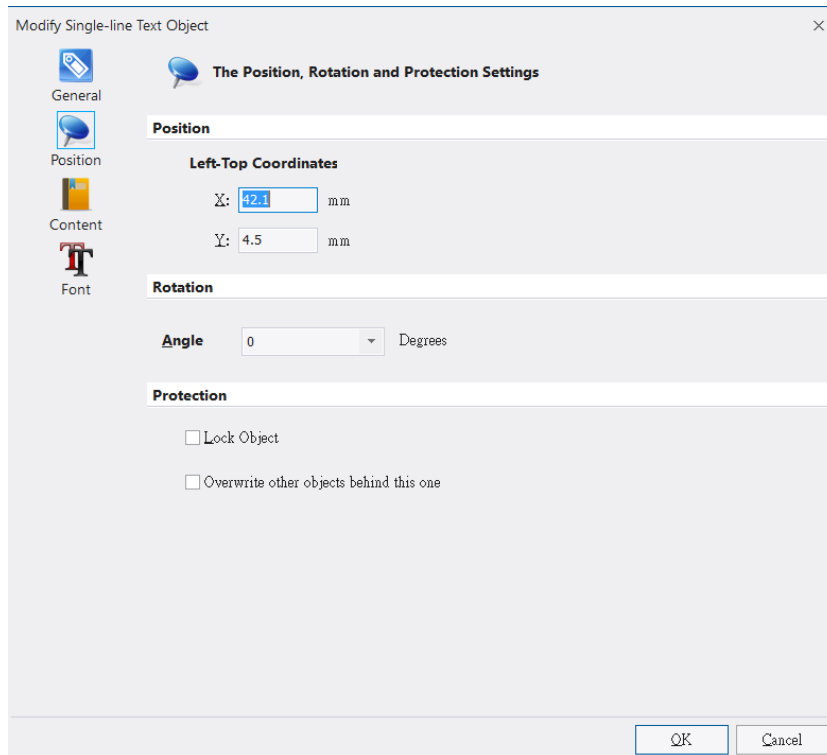
3.6.1 General



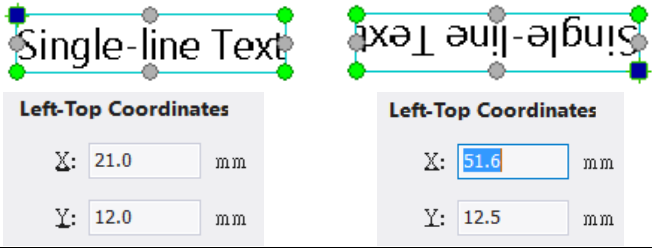
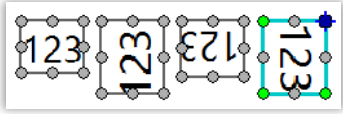


This “General” dialog shows the general information of this object, such as object name, comments for this object, and option for “Do not print this object”.

<i>Item</i>	<i>Description</i>
Object Name	Object name is unique and it cannot be repeated with any object name.
Do Not Print This Object	If ticking this option, this object will not be printed on the label.
Comments for This Object	User can input relevant information for future reference.

3.6.2 Position



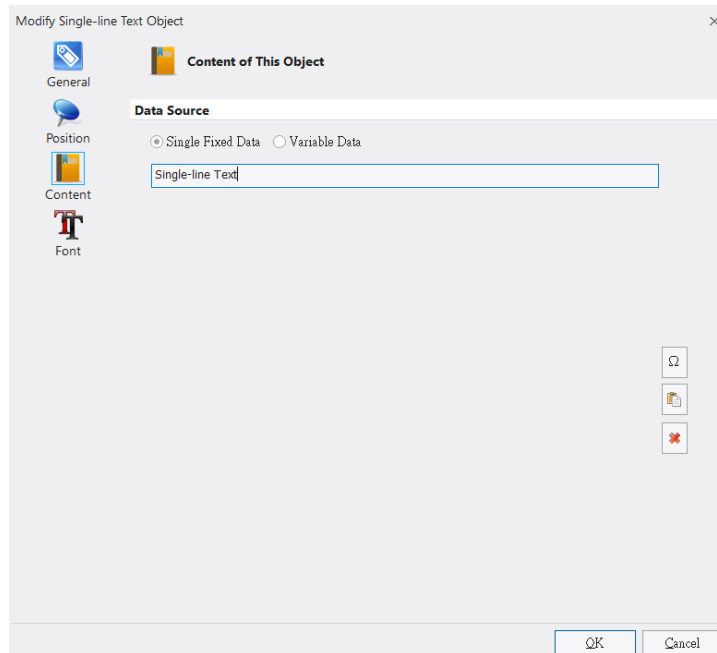
The “Position” page includes object coordinates, rotation option, and protection function, please see the below description.

Item	Description
Position	<ul style="list-style-type: none"> While object is selected, a blue dot showed in the top left corner in the object border. The coordinates status of this blue dot is showed in this area. 
Rotation	<p>The angle of selected object is adjustable (0, 90, 180, 270 degrees)</p> 
Protection	<p>The object cannot be moved in the design area under this option.</p> 
Overwrite other objects behind this one	<p>The other objects behind will be covered under this option.</p> 

3.6.3 Object Content

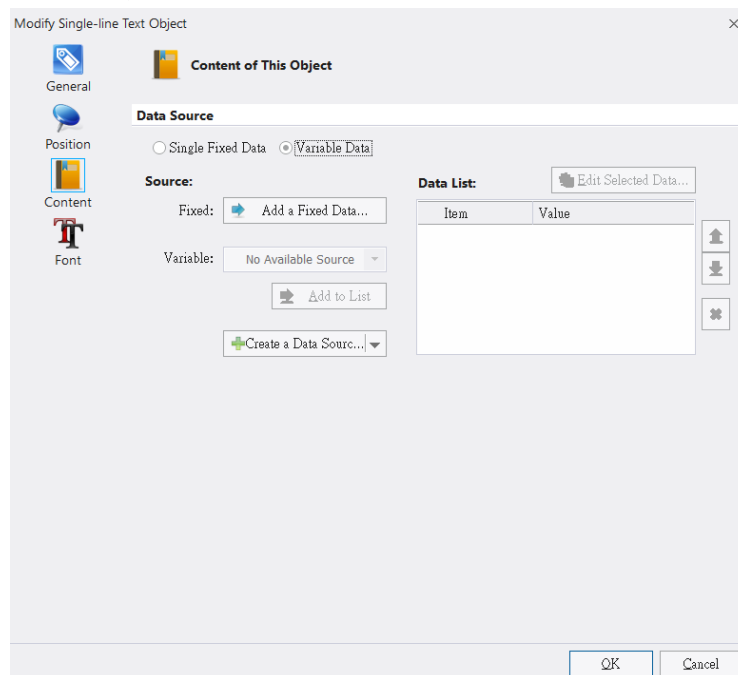
1) Single Fixed Data

A single line text, the user can type in the content that needed.

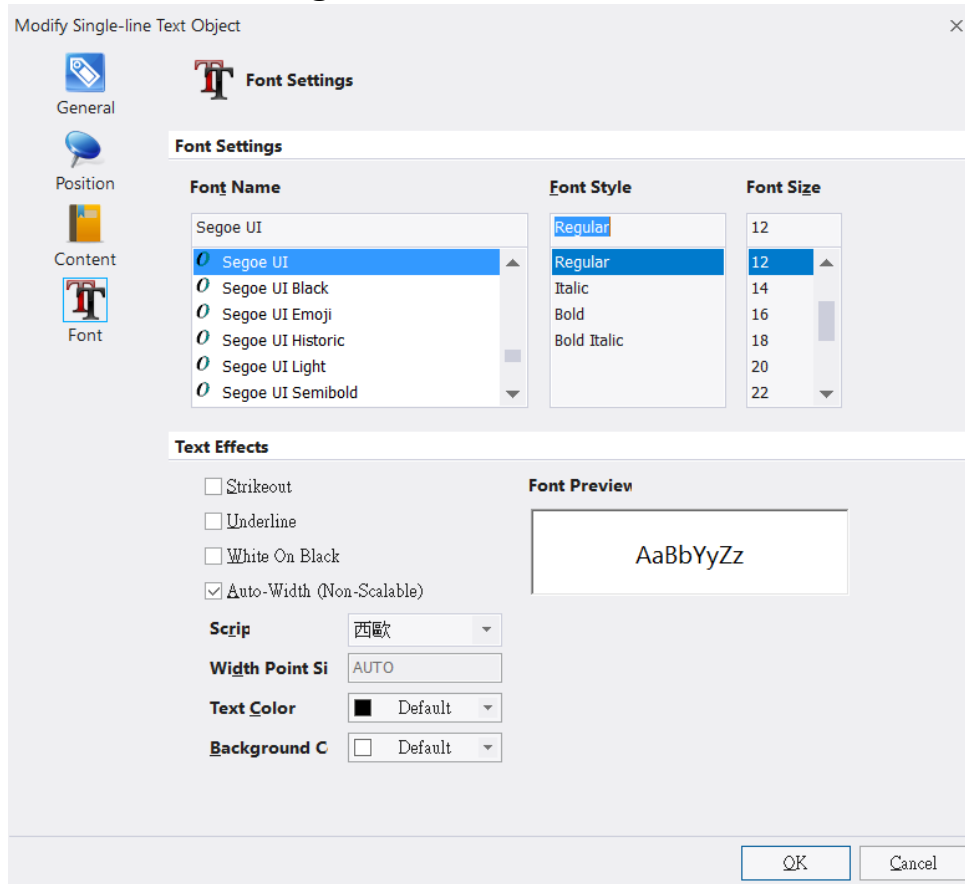


2) Variable Data

User can select different data sources to build different text string combinations. This option can support words, articles, 1D barcode, and 2D barcode objects. Please refer to Data Source Introduction



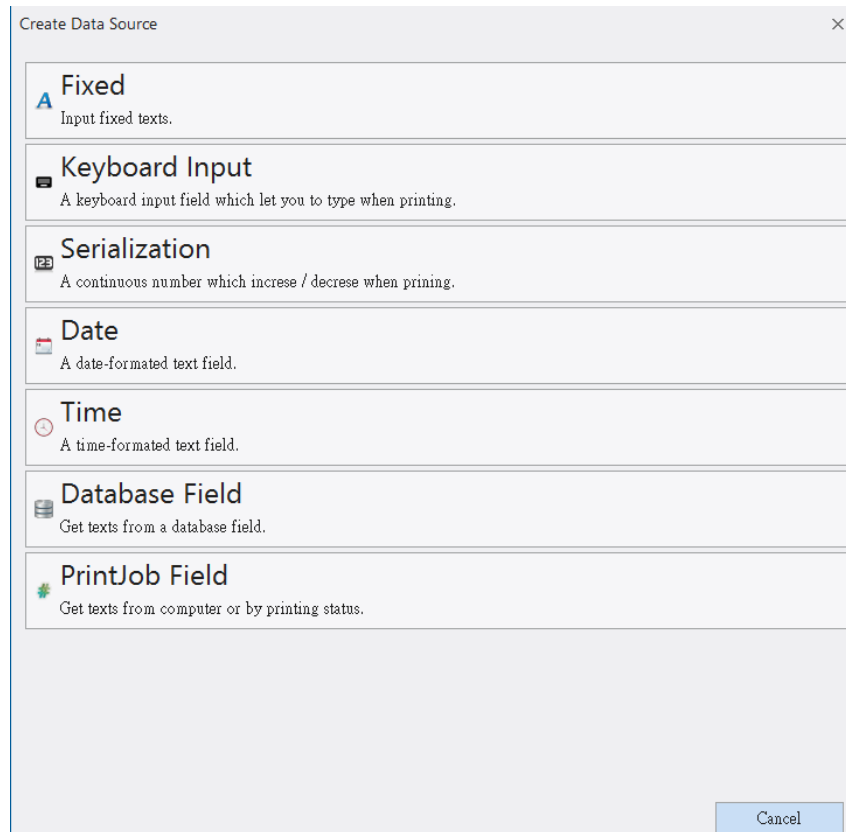
3.6.4 Font Settings



User can select font style, typeface, font size and text-effects options in this page.

- Provide strikeout, underline, white on black, scale options to adjust text-effects.
- While undo the “Scale” option, user can fill up the required value to adjust font’s width.
- Wincode’s Fonts are not supported strikeout, underline, and font color functions.
- Font Preview: font style preview.

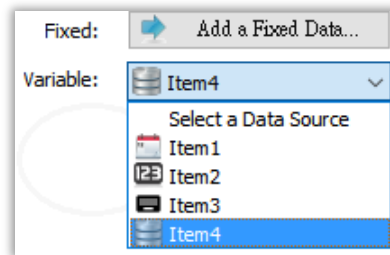
4 Data Source Introduction



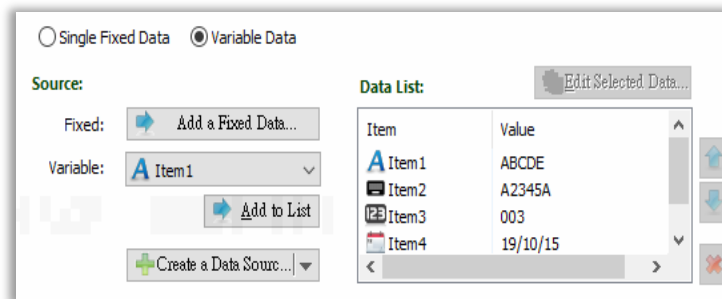
- 1) Fixed: Input single-line text
- 2) Keyboard Input: A keyboard input field that user can input text while printer is connected with keyboard.
- 3) Serialization: A continuous number is increasing/decreasing when printing continuous labels.
- 4) Date: Input a Date field; Date can be showed in the different styles.
- 5) Time: Input a Time field; Time can be showed in the different styles.
- 6) Database Field: Data come from Database, please refers to Database Setting and printing.
- 7) PrintJob Field: Get the texts from the printing status or computer.

4.1 Data List

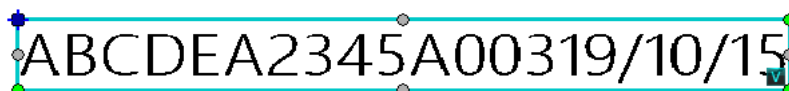
- User can double click left button of mouse on the object or click upper right “Data Source” area to select each variable item.
- The variable items can be selected in the pulldown list as the Figure below, the user can click “Add to List” button to add selected item to the Data List.




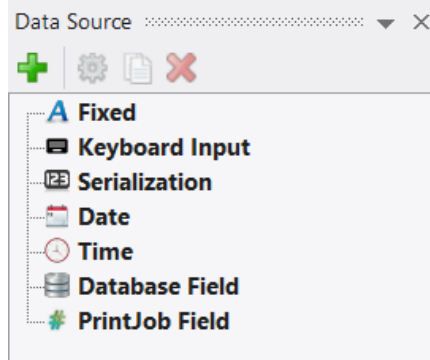
- For example: There are four items in a “Single-Line Text” object. The first item is a text as “ABCDE”. The second item is a keyboard input field “A2345A”. The third item is a serial number “003”. The fourth item is a date field. Each item name can be edited but not be repeated. The result of this editing content as below Figure.



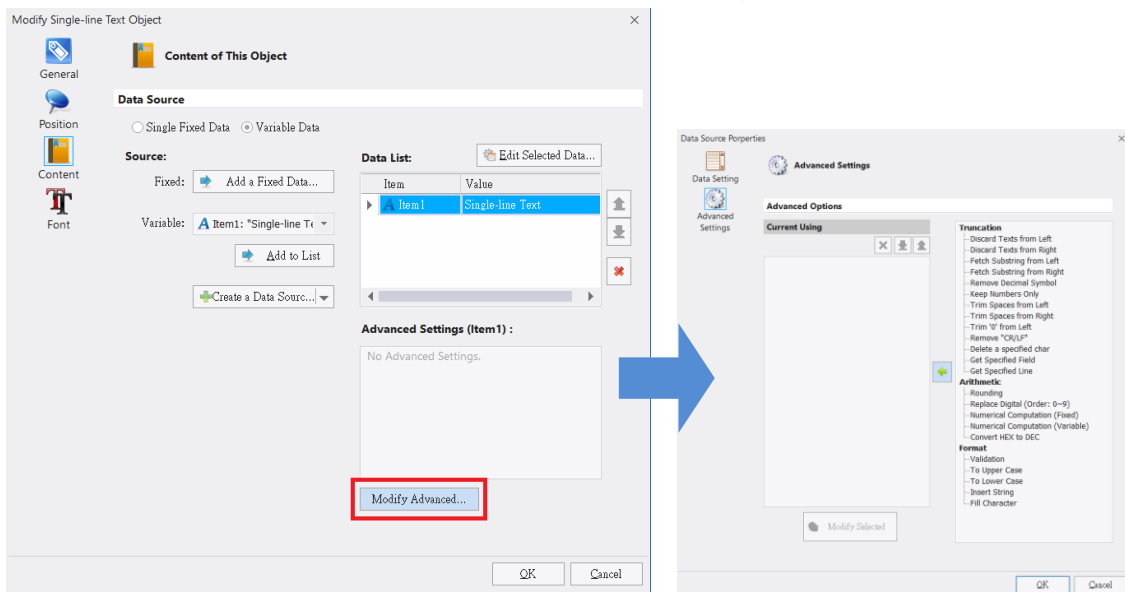
- The user can also adjust variable item order or delete item by clicking rightmost side icons.
- Press “OK” to leave the dialog, the object is showed in the Label Design area as below.



- A  symbol showed in the right side of object that means there is variable data in this object.
- The “Data Source” area at the right side lists all variable items to let user edit each variable data quickly.



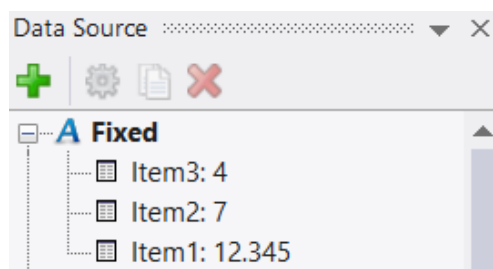
4.2 Data Source (Advanced Settings)



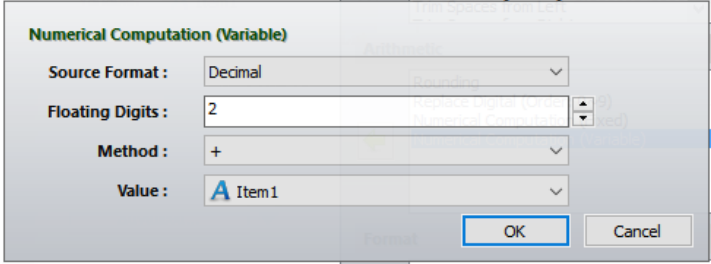
The default is “Close”. If user wants to open this option, click “Create a Data Source”, select any item in the Data List and then click “Advanced Settings” button to enter the setting dialog that would shown Truncation, Arithmetic, and Validation functions. Also the user may click “Modify Advanced” button from the main dialog. Please see the description below:

4.2.1 Arithmetic

Set 3 groups of fixed text at the data source area and then adjust them as 3 groups of numbers as the figure below:



<i>Item</i>	<i>Description</i>
Rounding	<p>Floating Digits: if choose 4, the number will show the four digit decimal places.</p> <p>Benchmark: carry digit. If choose 5, the number will be rounding at 5.</p>
	<p>Position: choose the number position for carrying digit. 0 means unit digit 1 means ten digit -1 means one decimal place</p>
Replace Digital (Order: 0~9)	<p>The original data in the item to be replaced with filled symbols, numbers or letters. e.g. Replace object 1 as below:</p> <div data-bbox="576 947 1278 1115" style="border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0;"> <p>Replace Digital (Order: 0~9)</p> <p>Value : <input type="text" value="abcDEF@#\$%"/></p> <p style="text-align: right;"><input type="button" value="OK"/> <input type="button" value="Cancel"/></p> </div>
Numerical Computation (Fixed)	<p>Source Format: Decimal is recommended Floating Digits: how many positions in the decimal place Computation: fill the computation symbol and number, please see the below computation samples.</p> <div data-bbox="576 1305 1286 1563" style="border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0;"> <p>Numerical Computation (Fixed)</p> <p>Source Format : <input type="text" value="Decimal"/></p> <p>Floating Digits : <input type="text" value="2"/></p> <p>Computation : <input type="text"/></p> <p>Ex : +5, -2.1, *7, /5.4, %3</p> <p style="text-align: right;"><input type="button" value="OK"/> <input type="button" value="Cancel"/></p> </div>

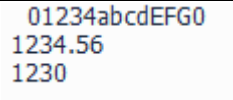
Numerical Computation (Variable)	<p>Source Format: Decimal is recommended Floating Digits: how many positions in the decimal place Method: select computation symbol Value: select an item with filled data</p> 
Convert HEX to DEC	Converts string from HEX to DEC.

4.2.2 Format

<i>Item</i>	<i>Description</i>
Validation	<p>Ex: 0.0, 0.00, #.#, #.##, #.#0, #.##0, \$#.##0</p> <p>0: digit reserved position. If input 8.9, the custom format is 0.00, and the showed value is 8.90.</p> <p>#: digit reserved position. The same rule is as format 0, but the input number is less than the number of format #, the value will not show the extra 0. For example: input 8.9, the custom format is #.##, and the value result is 8.9.</p> <p>\$: showing symbol. For example: input 8.9, and the format is \$#.##0, the value result is \$8.90.</p>
To Upper Case	To convert original English lower case letters to upper case.
To Lower Case	To convert original English upper case to the lower case.
Insert String	<p>The original text is "1234ABCD".</p> <p>Insert string "000" at the position "3" from the right side.</p> <p>The result is "1230004ABCD"</p>
Fill Character	<p>The original text is "123ABC".</p> <p>Fill character : The length is "7", the string is "W"</p> <div data-bbox="507 1137 1155 1339" style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;"> <p>Fill Character</p> <p>Length : <input type="text" value="7"/></p> <p>String : <input type="text" value="W"/></p> <p style="text-align: right;"><input type="button" value="OK"/> <input type="button" value="Cancel"/></p> </div> <p>The result is "W123ABC".</p>

4.2.3 Truncation

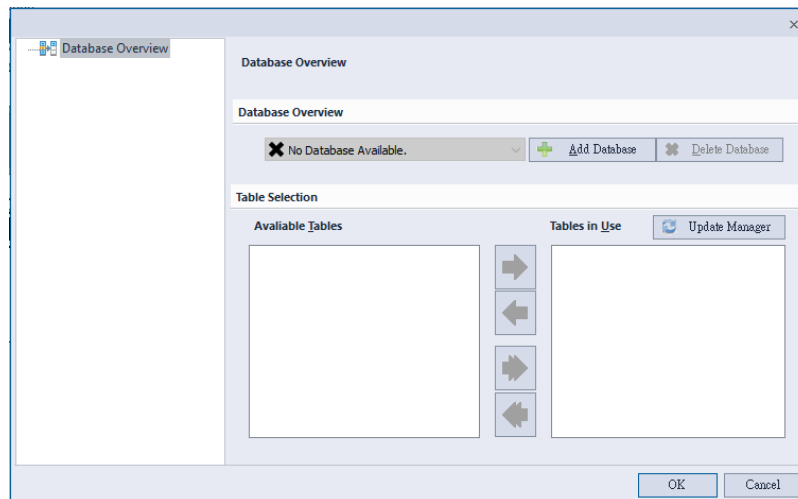
<i>Item</i>	<i>Description and Example</i>
Discard Text from Left	<p>The original text is "ABCDE12345"</p> <p>Discard 3 characters from the left side of text.</p> <p>The result is "DE12345"</p>
Discard Text from Right	<p>The original text is "ABCDE12345"</p> <p>Discard 3 characters from the right side of text</p> <p>The result is "ABCDE12"</p>

Fetch Substring from Left	The original text is "ABCDE12345" Get a substring from the left side of text: the value is 2; Character length is 3; The result is "BCD"
Fetch Substring from Right	The original text is "ABCDE12345" Get a substring from the right side of text: the value is 2; Character length is 3 The result is "45" Get a substring from the right side of text: the value is 5; Character length is 3 The result is "123"
Remove Decimal Symbol	The original text is "ABCDE.12345" If selected, the result is "ABCED12345"
Keep Numbers Only	The original text is "ABCDE0.12345!@#%&^* ". If selected, the result is "0.12345"
Trim Spaces from Left	The original text is " ABCDE12345". If selected, the result is "ABCDE12345".
Trim Spaces from Right	The original text is "ABCDE12345___". If selected, the result is "ABCDE12345".
Trim "0" from Left	The original text is "0000ABCDE12345". If selected, the result is "ABCDE12345".
Remove "CR/LF"	Remove the line break and line feed symbols from the "Multi line Text" object.
Delete a specified char	The original text is "ABBCD1234". Delete "B" letter. The result is "ACD1234".
Get Specified Field	The original text is "Product name: beef Product, number:1234". Get Specified Field : the value is " Product number:" The result is "1234".
Get Specified Line	The original text is  " ". Get Specified Line : the value is "2". The result is "1234.56".

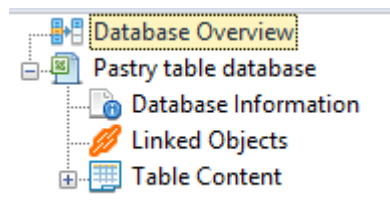
5 DATABASE SETTING AND PRINTING

5.1 How to Use Database

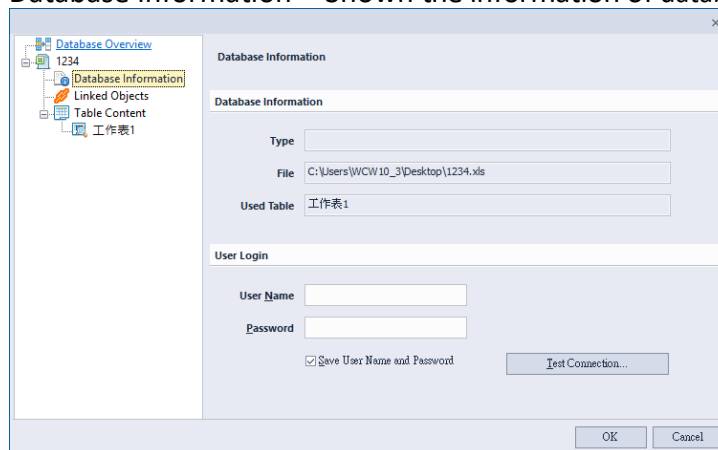
- 1) Click the “Database Setup” icon from the “DATABASE” page to open a Database Overview dialog. Then click the “Add Database” button to open a sub dialog “Database Type”.



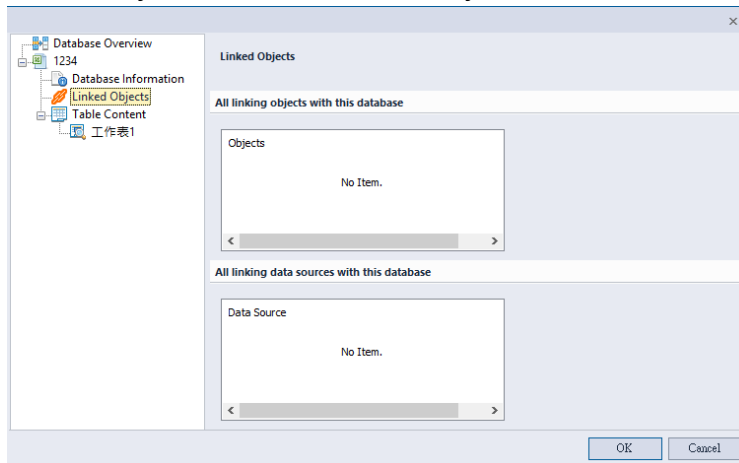
- 2) Select the Database Type (refer to the [Database settings](#))
- 3) A tree diagram is showed in the left side position of “Database Overview” dialog. Click the relevant items to review data content.



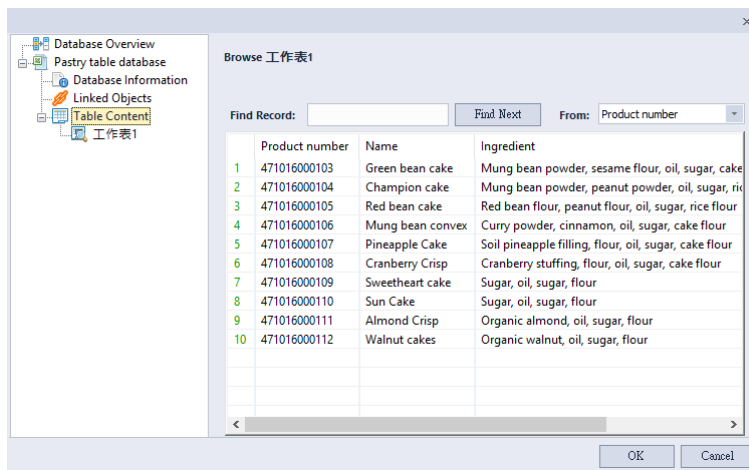
- Database information : Shown the information of database source.



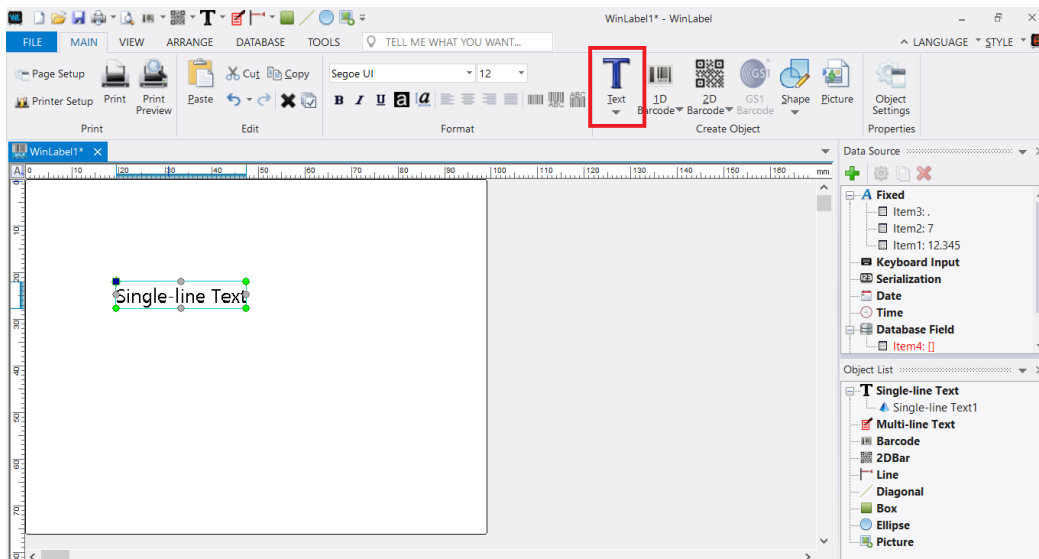
- **Linked Objects** : Show all linked objects, and all linked items

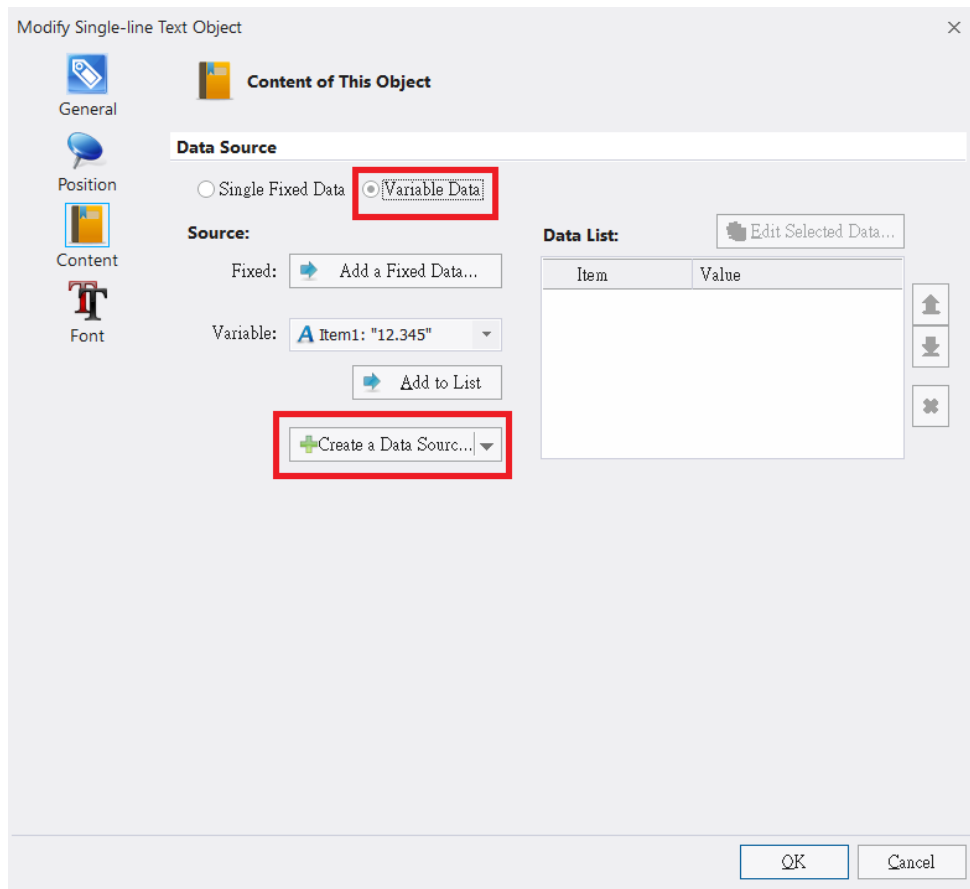


- **Table Content**: To find the relevant key word string from the database via “Find Record” button.

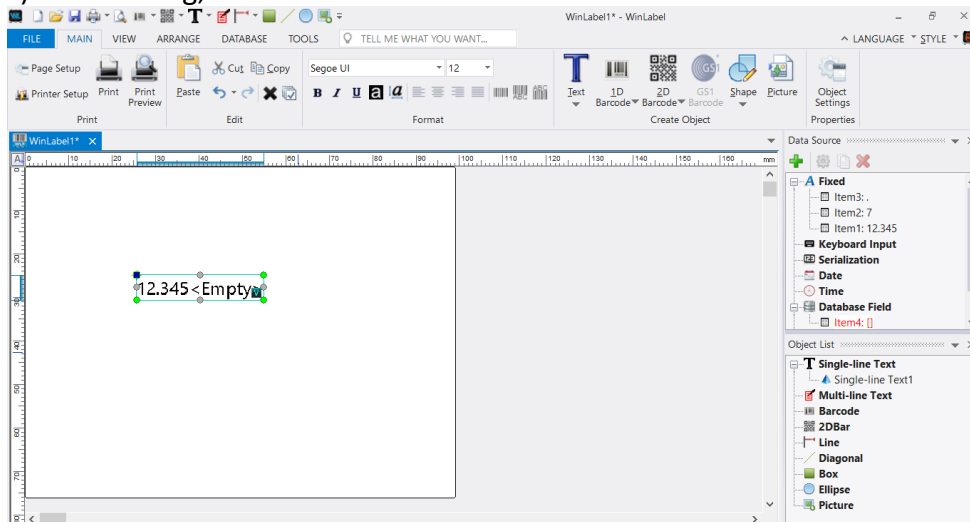


4) Create a Text or Barcode object and then enter setting, set the Variable Data source as “Database Field” to start the database function.





5) After setting, the hint text will show on the screen.

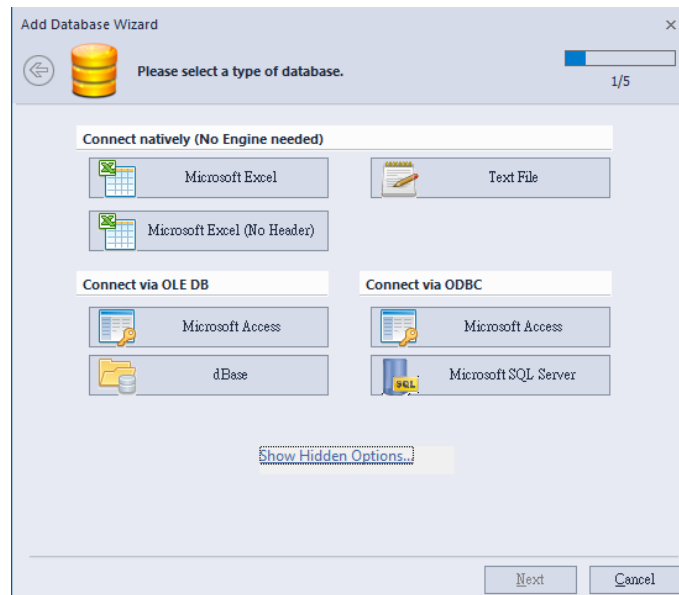


5.2 Database Settings

When open “Database Setup” dialog, and click “Add Database” button, there are three columns named “Connect natively (No Engine needed)”, “Connect via OLE DB” and “Connect via ODBC”. The “Connect natively (No Engine needed)” mode is suggested to connect database.

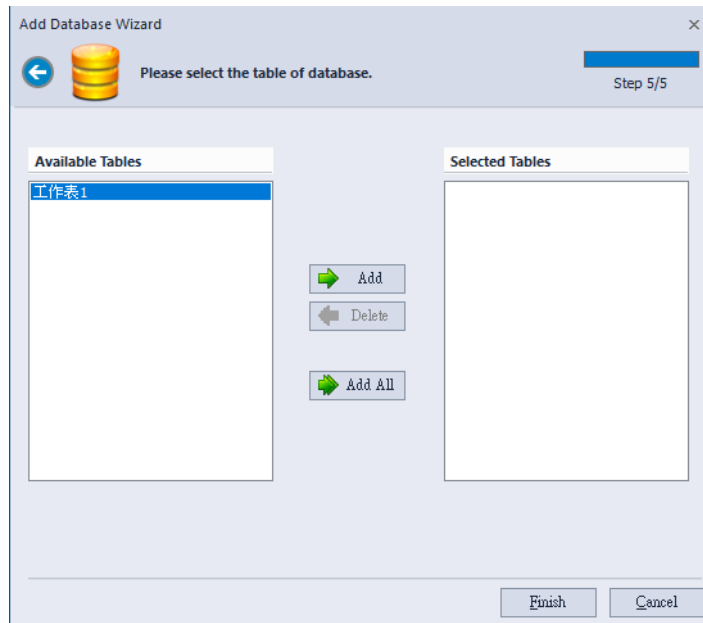
If use “OLE DB” mode and it cannot be connected database successfully, user can choose “ODBC” mode as alternative.

The following is to describe how to connect with different types of database. (Note: if user cannot connect with database successfully, please download and install the OLE DB Support Suit file from the CD disc or our website: www.wincodetek.com)

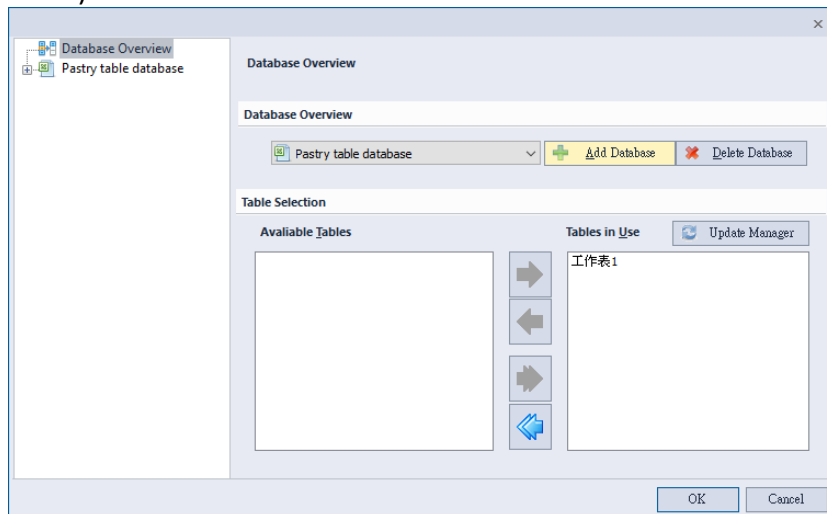


5.2.1 Connect Microsoft Excel File (*.xls, *.xlsx)

- 1) Choose "Microsoft Excel" and then browse file list to choose the specified Excel file.
- 2) Then a table will show all pages of this Excel file in the "Available Tables" field, user can add/delete requested page into the right "Selected Tables" field.



- 3) Click "Finish" button and back to "Database Overview" dialog.



PS: The Microsoft Access and dBase database connections are the same way with Microsoft Excel connection.


5.2.2 Connect SQL Database

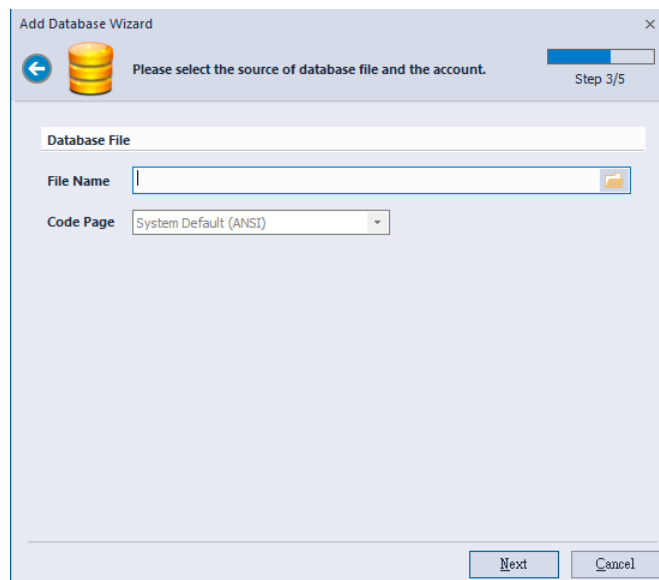
- 1) Before connecting SQL server, the operated platform has to be installed SQL Express or SQL Server Management Studio Express.
- 2) Click “Microsoft SQL Server” from the “Database Type” dialog.
- 3) Input the name of SQL Server and login information, and press “Get Database List” to obtain a database list from the server, then decide the target database.

The screenshot shows the 'Add Database Wizard' dialog box, Step 2/5. The dialog is titled 'Add Database Wizard' and has a close button (X) in the top right corner. Below the title bar, there is a back arrow, a database icon, and the text 'Please select the SQL server and database.' followed by a progress bar and 'Step 2/5'. The main content area is divided into sections: 'SQL Server Data Link' with a 'Server Name' dropdown; 'Login' with radio buttons for 'Use Windows Integrated Security' (selected) and 'Use a Specific User Name and Password', followed by 'User Name' and 'Password' text boxes, and a 'Save User Name and Password' checkbox; and 'Select a database on the server' with a 'Database Name' dropdown. Buttons for 'Test Connection...', 'Get Database List', 'Next', and 'Cancel' are visible.

- 4) The next dialog lists available tables, and then select requested tables into right “Selected Table” to finish setting.

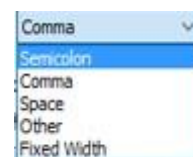
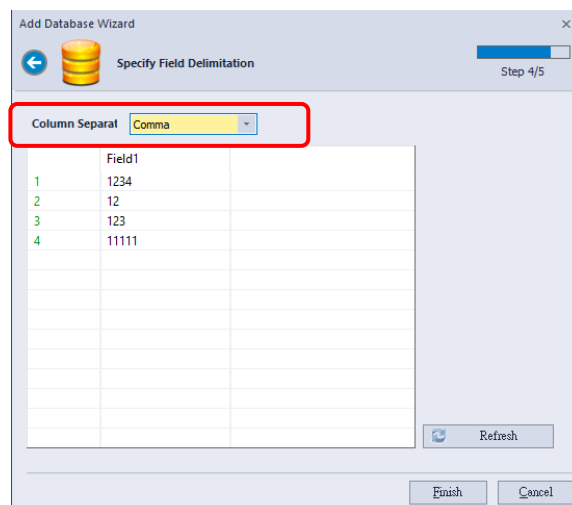
5.2.3 Connect Text File (*.txt, *.dat, *.csv)

- 1) Click "Text file" in the "Database Type" dialog.
- 2) Press  button to select (*.txt, *.dat, *.csv) files and choose corresponding character code, then press "Next" button to the next dialog.

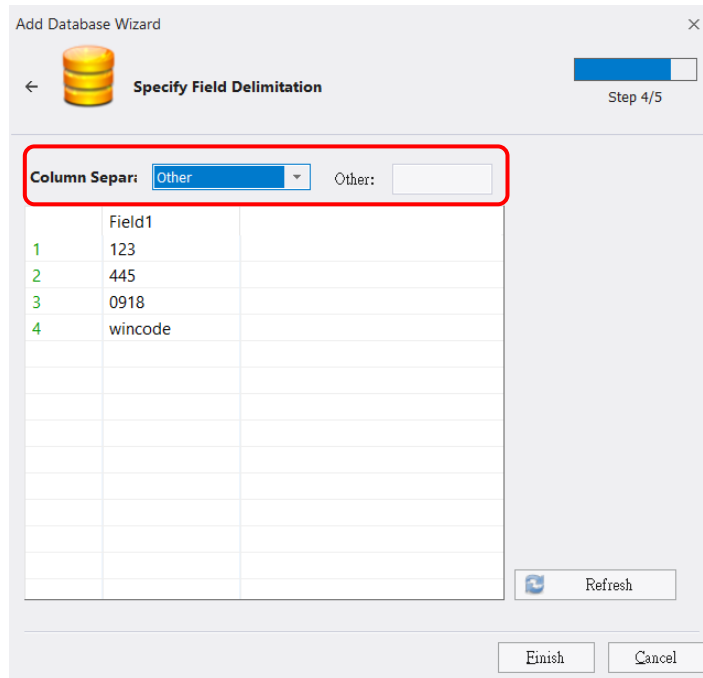




- 3) This dialog lists the content of this table, the column in the table can be decided by placing symbol (semicolon, comma, space) or self-defined character to separate different columns in the Text file.

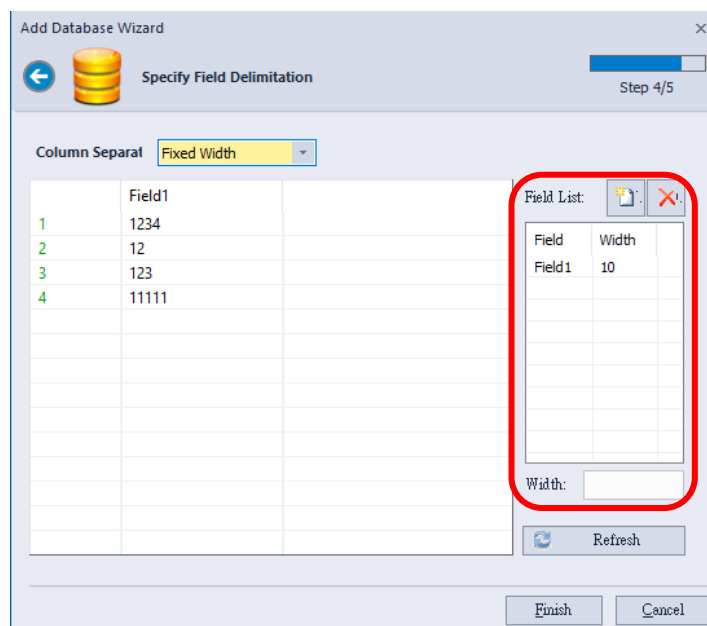
The column separation type is listed as Figure below. User can choose the corresponding symbol to separate data listing in the different columns. (PS: The data in the Text file was separated by the same symbol)



- 4) User can choose "Other" option to define separated character, and fill the specified character in the "Other" field (PS: The data in the Text file was separated by the same defined character)

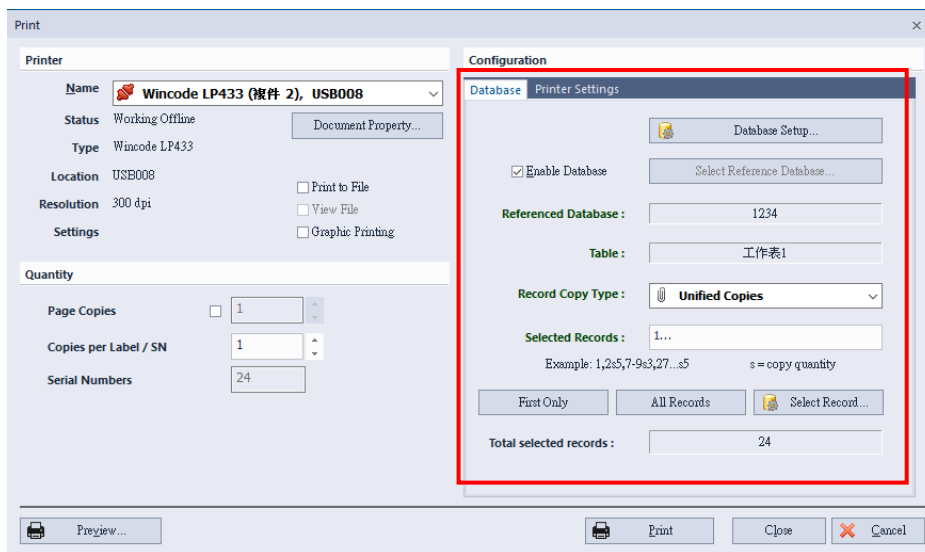
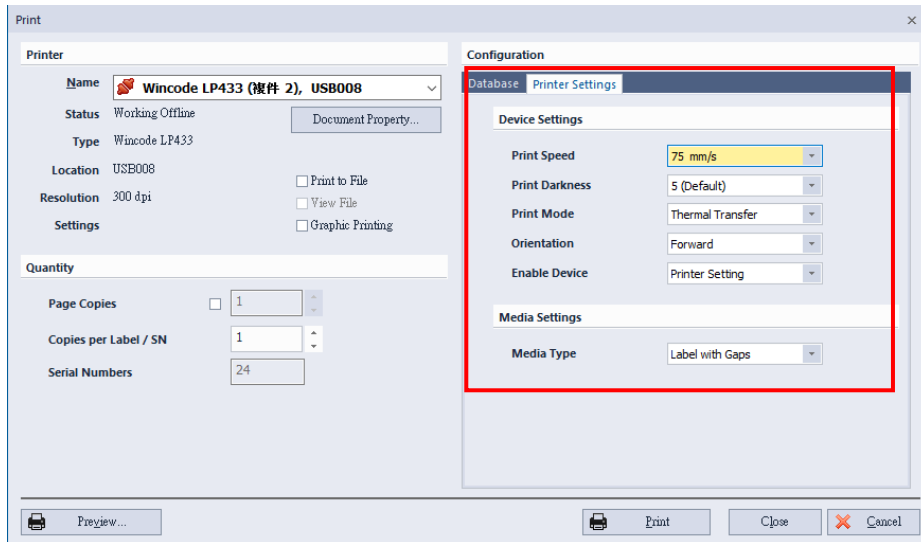


- 5) User can choose "Fixed Width" to define how many characters in a single column.
- If needed, press the  button to add column or press the  button to delete column.
 - When update the value in the "Width" field, press the "Refresh" to update the left table.

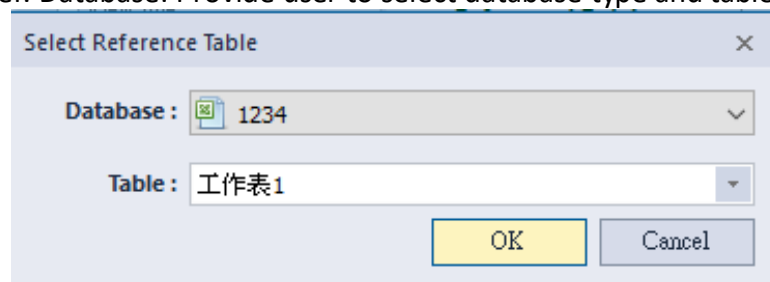


5.3 DATA PRINTING

- 1) If any object connects with database, there is a Database setting area in the "Print" dialog for user's option.

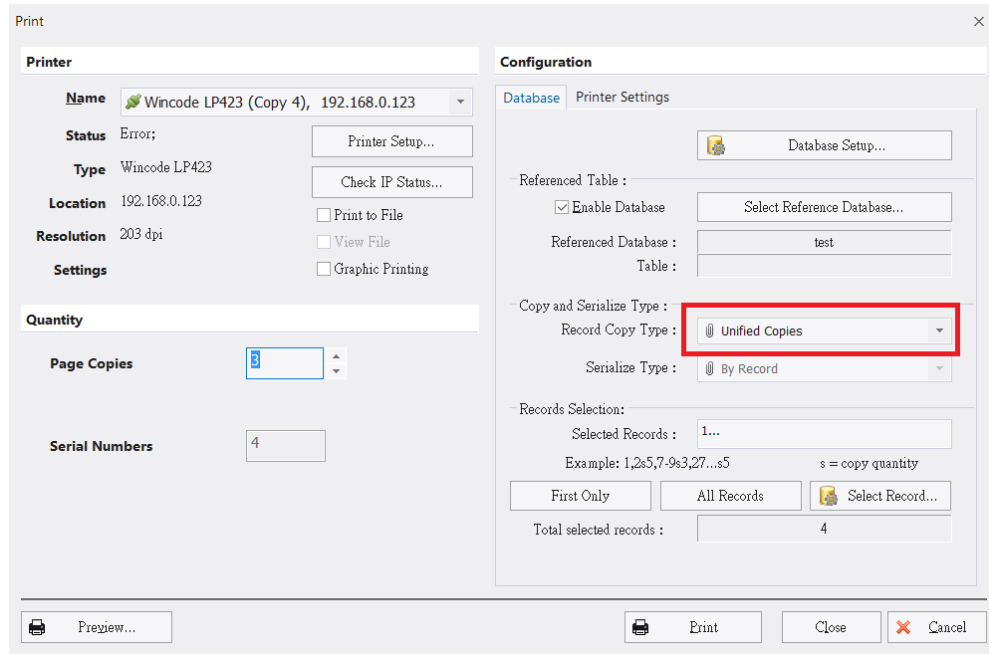


- 2) Select Ref. Database: Provide user to select database type and table.

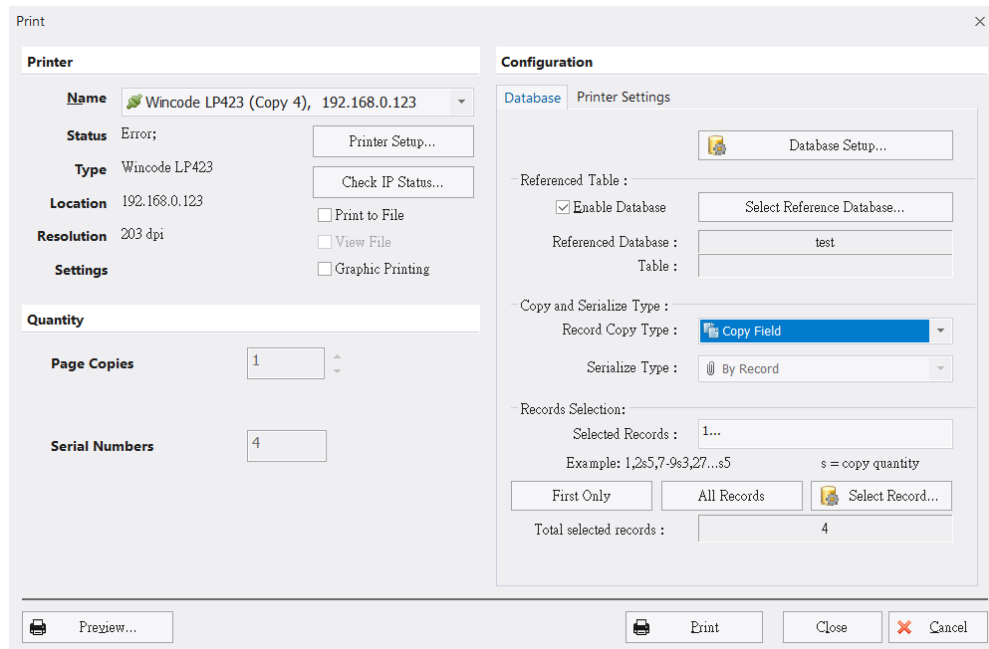


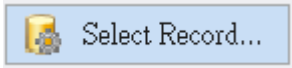
3) Copy mode

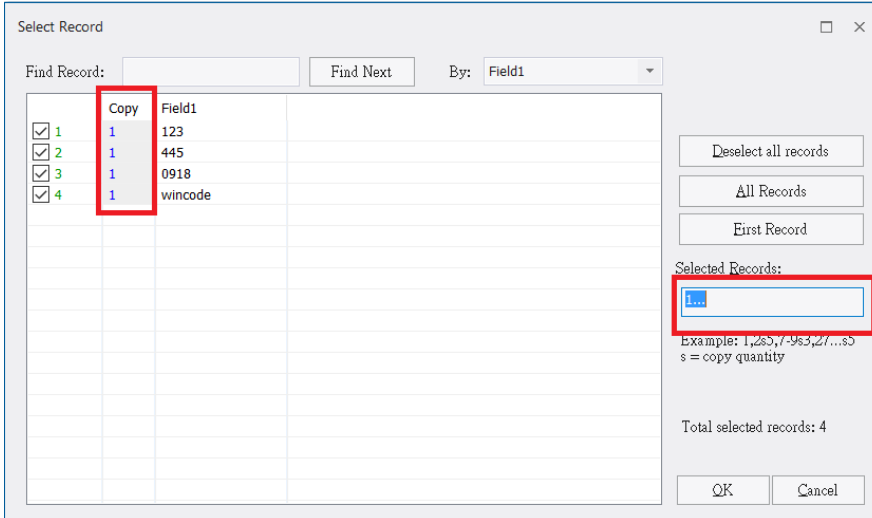
- Unified copies: Print out the same amount of all the records from “Selected Records”, the amount can be set at “Page Copies” at the left



- Copy field: Add a record from the “Select Record”, can print out different amounts of label



- 4) Please click  to enter the Figure below, set the printing amount at "Copy" column and it will be shown at "Selected Records".



Select Record

Find Record: Find Next By: Field1

	Copy	Field1
<input checked="" type="checkbox"/>	1	123
<input checked="" type="checkbox"/>	1	445
<input checked="" type="checkbox"/>	1	0918
<input checked="" type="checkbox"/>	1	wincode

Deselect all records

All Records

First Record

Selected Records:

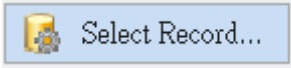
Example: 1,2s5,7-9s3,27...s5
s = copy quantity

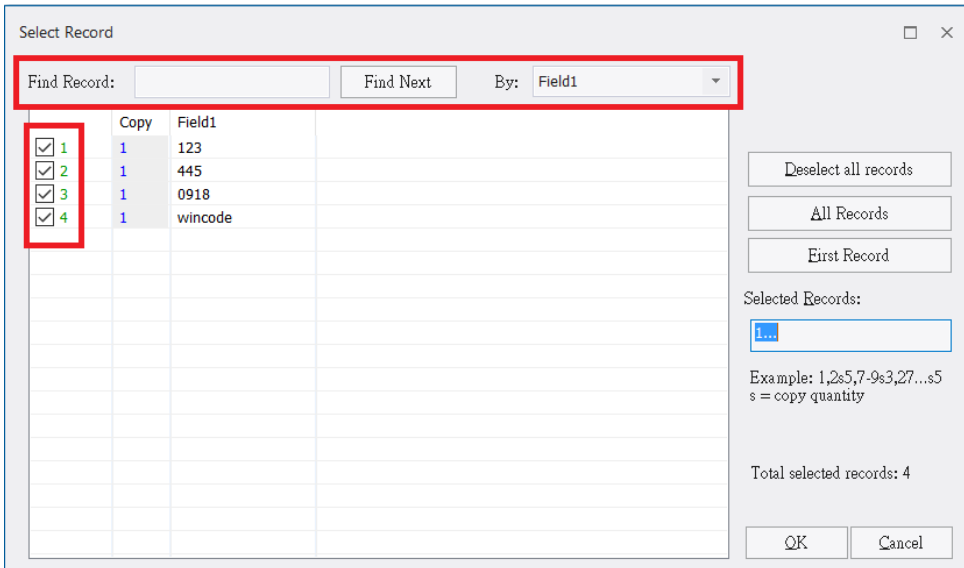
Total selected records: 4

OK Cancel

- 5) Selected Records: User can input printing commands to set the selected records. (Printing command introduction: 1,5,8,10 (individual selection); 18-20 (part selection); 18,19,20 (specified selection); 30... (after 30th selection, including 30)).

- 6) Click "First Only" or "All records" buttons to print the first label or all labels.

- 7) Click , user can input keyword to find relevant character in a table. Execute with "By...", also be able to select the records that needed to be print.



Select Record

Find Record: Find Next By: Field1

	Copy	Field1
<input checked="" type="checkbox"/>	1	123
<input checked="" type="checkbox"/>	1	445
<input checked="" type="checkbox"/>	1	0918
<input checked="" type="checkbox"/>	1	wincode

Deselect all records

All Records

First Record

Selected Records:

Example: 1,2s5,7-9s3,27...s5
s = copy quantity

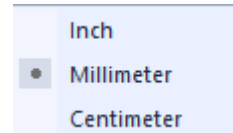
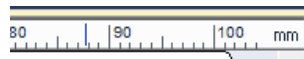
Total selected records: 4

OK Cancel

6 RULER, LABEL DESIGN AREA, AND STATUS ROW

6.1 Ruler

WinLabel provides ruler in three dimensional standards (inch, centimeter, millimeter) to let user measure object in the Label Design area conveniently. Click the top right side of horizontal ruler to switch measurement unit. The default is inch.



- Centimeter





- Millimeter



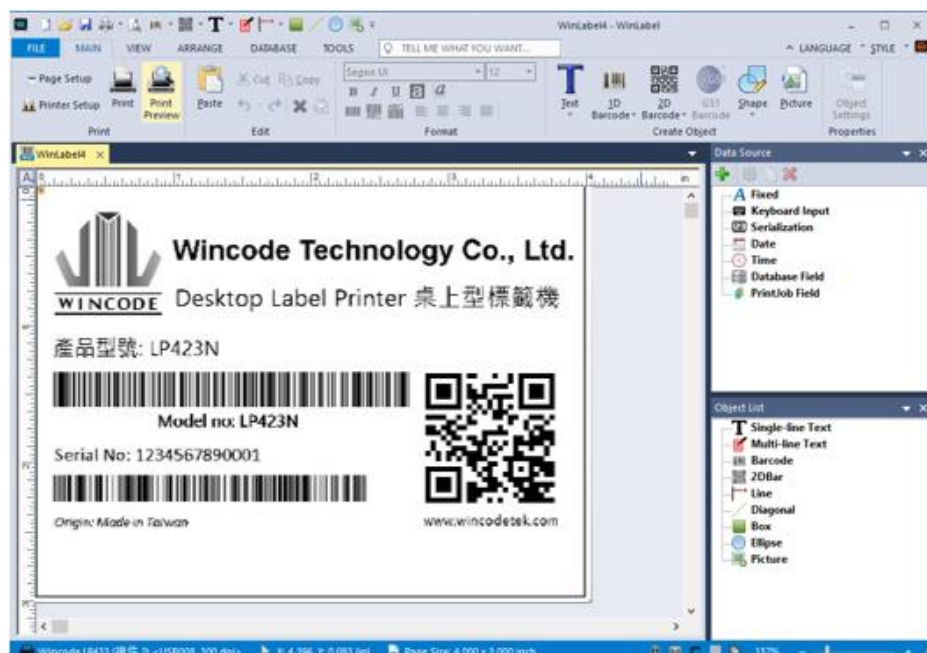
- Inch



The top left side of horizontal ruler has  or  icon that represents the printing direction, please refer to “Page Settings”.

6.2 Label Design Area

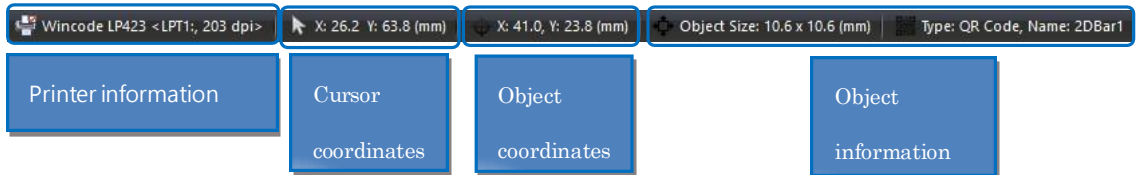
User can compose objects in this area, and open the “Grid” function to align objects on the grid. Besides, if open the “Snap” function, the object can be moved in a grid unit.



6.3 Status Row

Provide printer information, cursor coordinates, object coordinates, and object information.

- Object is selected



- Nothing is selected

