

# **BARDRAWER USER MANUAL**

2011/10/18 Ver. 1.5.8

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## Contents

1. Description of main window and menu bar .....	6
1.1 Description of main window.....	6
1.2 Description of menu bar .....	7
1.2.1 Multi-languages interface.....	7
1.2.2 Menu bar .....	7
1.2.3 Tool bars.....	11
1.2.4 Status bars .....	12
1.2.5 Edit area.....	12
1.2.5 Edit area.....	13
2. Create a label or form and print .....	15
2.1 Description of label and form .....	15
2.2 Wizard .....	15
2.3 Label and print.....	16
2.3.1 Label.....	16
2.3.2 Print label .....	17
2.4 Form and download.....	19
2.4.1 Form .....	19
2.4.2 Download form .....	20
2.4.3 Form name setup .....	21
2.4.4 Form storage setup .....	22
3. Label page and printer driver setup .....	23
3.1 Label and page description .....	23
3.2 Page setup dialogue box .....	24
3.2.1 Page setup.....	24
3.2.2 Label layout setup.....	25
3.2.3 Ruler setup .....	25
3.3 Label property .....	26

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3.4 Single label setup .....	27
3.5 Multiple labels setup .....	29
3.5 Printer driver setup.....	31
3.5.1 Label layout setup.....	31
3.5.1 Label layout setup.....	32
3.5.2 Option description : .....	33
3.5.3 Command description : .....	37
3.5.4 Tool description .....	38
3.5.5 About description .....	40
4. Creating objects .....	41
4.1 Object description.....	41
4.1.1 Appearance page in object properties.....	42
4.1.2 General in object properties.....	43
4.2 Creating a text objects .....	44
4.2.1How to create .....	44
4.2.2 Tool bar .....	44
4.2.3 Text object source.....	46
4.2.4 Text object font.....	46
4.3 Creating a paragraph object .....	48
4.3.1How to create .....	48
4.3.2 Tool bar .....	48
4.3.3 Paragraph object source.....	50
4.3.4 Paragraph object typeface .....	51
4.3.4 Paragraph object mode .....	52
4.4 Creating a 1D barcode object .....	53
4.4.1 How to create .....	53
4.4.2 Using tool bar.....	53
4.4.3 1D barcode source .....	55
4.4.4 1D specifications .....	55
4.4.5 Human readable font type setup.....	59
4.5 Creating a 2D barcode object .....	60

---

4.5.1 How to create .....	60
4.5.2 PDF417 barcode setup .....	62
4.5.3 DataMatrix barcode Setup .....	63
4.5.4 QR code setup.....	64
4.5.5 MaxiCode setup .....	65
4.6 Creating a Line object .....	67
4.6.1 How to create .....	67
4.6.2 Print as command in Line object.....	67
4.6.3 Print as graphic in Line object .....	68
4.7 Creating a Diagonal object.....	69
4.7.1 How to create .....	69
4.7.2 Style setup in Diagonal object .....	69
4.8 Creating a Box object .....	70
4.8.1 How to create .....	70
4.8.2 Box object Print as command .....	70
4.8.3 Box object Print as graphic.....	70
4.9 Creating a Ellipse object .....	72
4.9.1 How to create .....	72
4.9.2 Ellipse object setup .....	72
4.10 Creating a Picture object.....	73
4.10.1 How to create .....	73
4.10.2 Picture setup.....	74
5. Objects content .....	75
5.1 How to setup data source .....	75
5.2 Object properties content .....	75
5.3 Object source presentation.....	76
5.4 Object source Advanced setup.....	77
5.5 Entering and arranging Data .....	79
5.6 Fixed data source .....	80
5.7 Keyboard input.....	80
5.8 Counter .....	82
5.9 Date .....	83
5.10 Time.....	85
5.11 Database.....	86

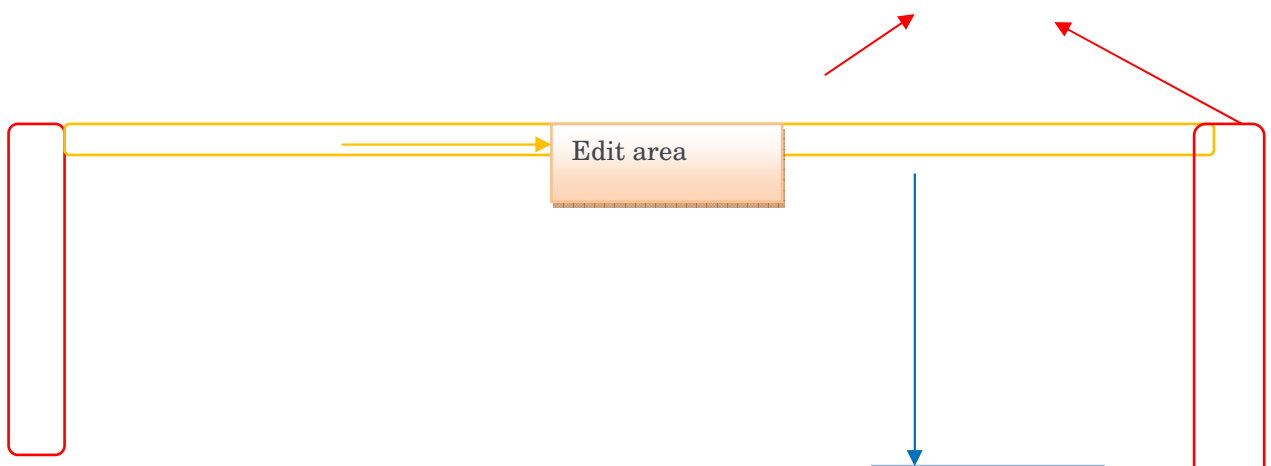
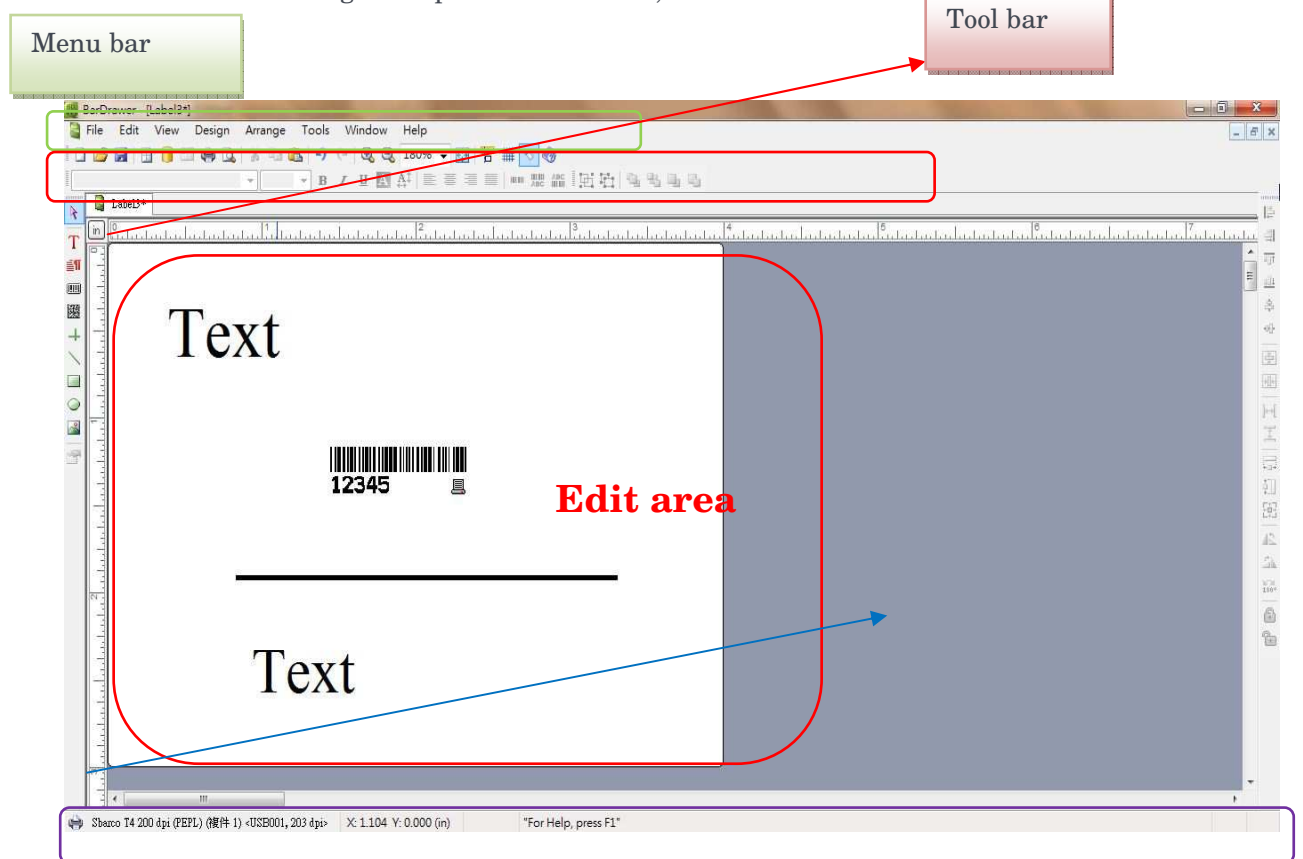
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5.12 Refer to Object.....	86
6. Database linking.....	88
6.1 How to use database to print.....	88
6.2 How to set database.....	92
6.2.1 How to link Microsoft Access database (*.mdb).....	92
6.2.2 How to link Microsoft Excel (*.xls).....	94
6.2.3 How to link Text file (*.dat, *.csv).....	96
6.2.4 How to link SQL database and print.....	99
6.3 How to select record in printing.....	101
7. Functions in edit field.....	104
7.1 Mouse operatin.....	104
7.2 Grouping function.....	105
7.3 Ordering function.....	106
7.4 Aligning function.....	107
7.5 Object center aligning function.....	108
7.6 Space evenly function.....	110
7.7 Make same size.....	111
7.8 Rotation function.....	112
7.9 Lock function.....	113

# 1. DESCRIPTION OF MAIN WINDOW AND MENU BAR

## 1.1 Description of main window

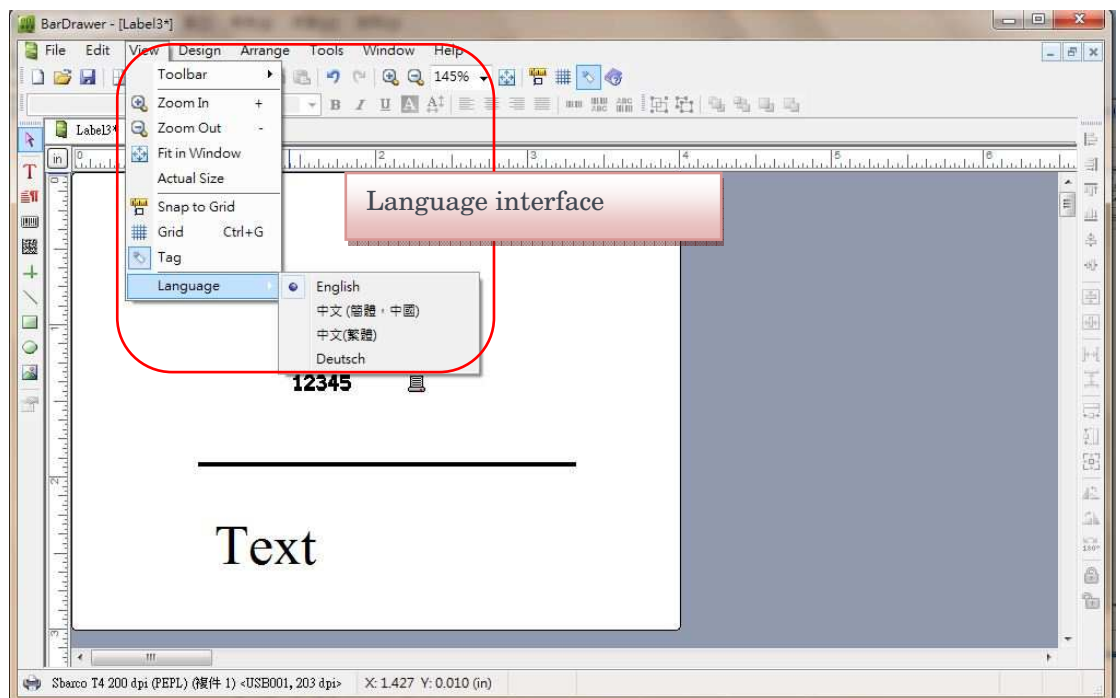
- BarDrawer provides multiple-language interfaces as German, English, Traditional Chinese and Simplified Chinese
- BarDrawer can edit labels and forms
- Main area: menu bar, toolbar, status bar, window tag, edit area and ruler.
- Menu bar provides main function of the software.
- Toolbar provides user the most used icons.
- Status bar provides the shortcut to printer property and show the selected objects status. It provides the coordinate of mouse.
- Edit area can edit the created objects and print. It is "what you see is what you get".
- Tags in edit area can let users to switch different editing label.
- Ruler provides measuring functions, the unit could be switched on clicking left top side icon to inch, mm and cm.



## 1.2 Description of menu bar

### 1.2.1 Multi-languages interface

- BarDrawer provides Traditional Chinese, Simplified Chinese and German.
- The language interface will be the OS language as default.
- Users can select View\Language to select the proper language, as figure shown.

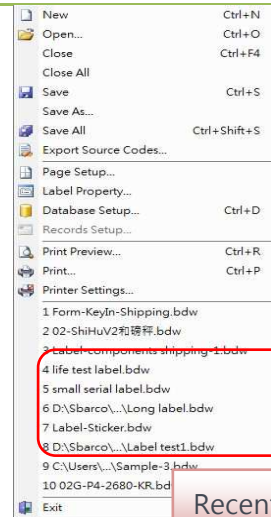


### 1.2.2 Menu bar

- Top of the window is menu bar, provide the main function of BarDrawer.

Item	Description
Menu bar	<p>There are 2 modes :</p> <ul style="list-style-type: none"> <li>➤ Only File, View, Tool and Help will be shown when there is no any file is loaded or created.</li> </ul> <pre>File View Tools Help</pre> <ul style="list-style-type: none"> <li>➤ All the functions as File, Edit, View, Design, Arrange, Tool, Window and Help will be shown when files are loaded or created.</li> </ul> <pre>File Edit View Design Arrange Tools Window Help</pre>
File	<ul style="list-style-type: none"> <li>➤ "New" is to create a new blank label or form.</li> </ul>

- “Open” is to open browser dialogue box to open a file.
- “Close” is to close the current editing label or form.
- “Close all” is to close all the editing labels or forms.
- “Save” is to save the editing labels or forms. °
- “Save as” is to save the editing label or form as another file name.
- “Save all” is to save all the editing files or forms.
- “Page Setup” is to setup label size, label work area and ruler. Please refer to [“Page Setup dialogue”](#)
- “Label property” indicates label file information. Please refer to [File Property](#).
- “Database setup” is to set database functions. Please refer to [Database link setup](#).
- “Print preview” is to preview the print content before printing.
- “Print” is to print the edited label. Please refer to [Print label](#) or [Form download](#)
- “Printer setting” is to set printer property. Please refer to [Printer driver setup](#)
- Recently used label will show 10 used records.
- “Exit” is to close all the files and leave the BarDrawer program.

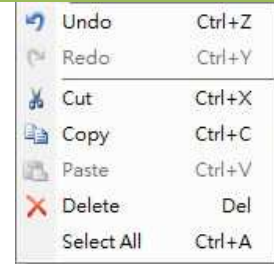


#### Edit

- “Undo” means to go back to last act.
- “Redo” means to redo next act.
- “Cut” means to cut the selected objects off and store it in clipboard.

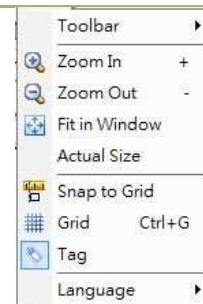


- “Copy” means to copy the selected object and store it in clipboard.
- “Paste” means to paste the stored objects from the clipboard to the edit area. The objects could be from other labels, forms or other program as WOR, Excel...etc.
  - Paste supports text and graphic if it is pasted from other programs.
  - If it is pasted from the other labels in BarDrawer, it supports all the object functions. But it will be transformed automatically between label and form or between 200 dpi and 300 dpi.
- “Delete” means to delete the selected object. “Undo command can restore the deleted objects.
- “Select all” means to select all objects. Ctrl+A can also select all objects.



## View

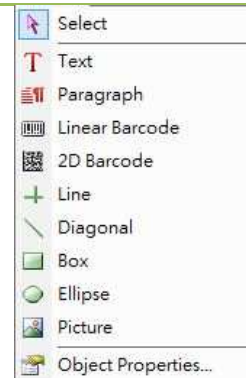
- “Toolbox” means to enable or disable the functions of Toolbox.
- “Zoom in” means to increase the object detail.
- “Zoom out” means to decrease the object detail.
- “Fit in Window” means to present the edit area to whole computer screen.
- “Actual size” means to zoom the edit area to actual label size.
- “Snap to grid” means to move the object with a fixed distance.
- “Grid” means to show grids on edit area.
- “Tag” means to show a specific icon on the object. Select Tag to enable or disable this function.



- “Language” means to switch different language interfaces.

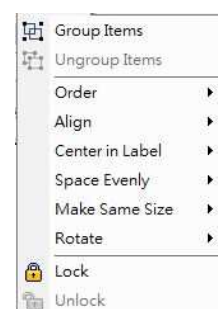
## Design

- “Select” means to select an object in edit area.
- “Text” means to create text objects.
- “Paragraph” means to create paragraph objects.
- “Linear Barcode” means to create 1D barcodes.
- “2D Barcode” means to create 2D barcodes.
- “Line” means to draw lines.
- “Diagonal” means to draw diagonals.
- “Box” means to draw squared boxes.
- “Ellipse” means to draw ellipses.
- “Picture” means to insert pictures.
- “Object properties” means to open text dialogue. Please refer to [Object description](#) °



## Arrange

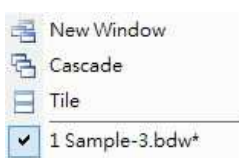
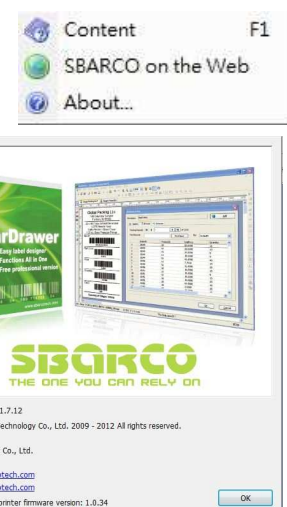
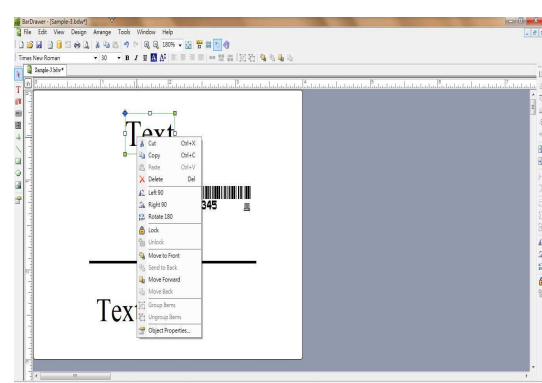
Please refer to [Arrange description](#)



## Tools



- “Printer Utility” means to execute printer tool to setup the printer.
- “Install Driver” means to install driver when BarDrawer cannot find the proper driver.

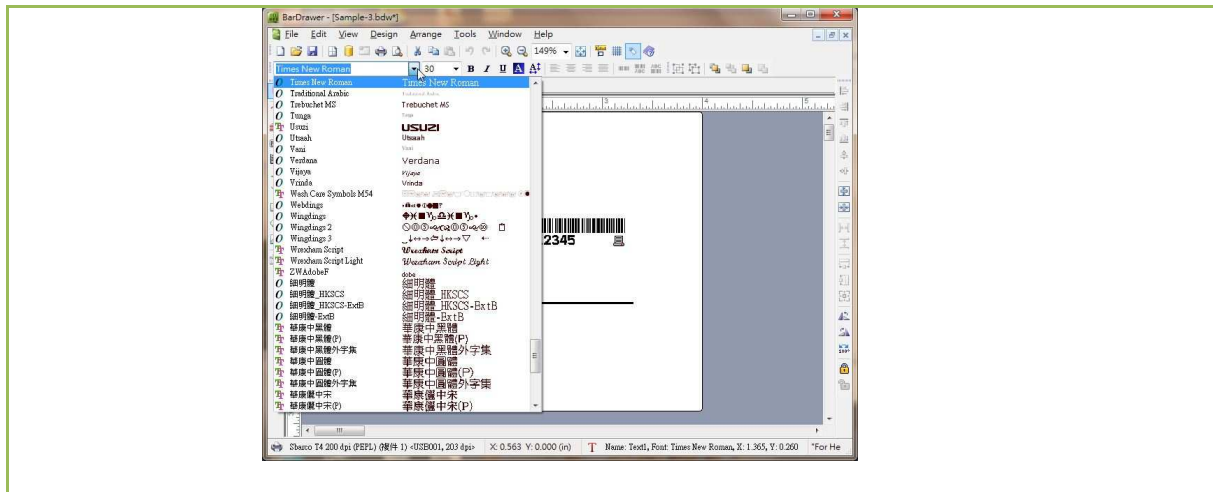


<p><b>Window</b></p>	<p>To overlap, arrange or switch different windows.</p>	
<p><b>Help</b></p>	<ul style="list-style-type: none"> <li>➤ “Content” means this document.</li> <li>➤ “Sbarco on the web” means to link to Sbarco website.</li> <li>➤ “About” means the information of BarDrawer.</li> </ul>	
<p><b>The shown menu on clicking right button of mouse.</b></p>	<ul style="list-style-type: none"> <li>➤ Click right button of mouse on object, the relative menu will be shown</li> <li>➤ Click the right button of mouse on the blank area, the relative menu will be shown.</li> </ul>	

### 1.2.3 Tool bars

- These tools allow you to execute the routine tasks more quickly.

Item	Description
<p><b>Main tool bar</b></p>	<p>These show the relative icons to file, edit and view mode...etc.</p> 
<p><b>Text tool bars</b></p>	<ul style="list-style-type: none"> <li>➤ These icons allow to change the text formatting and barcode relative functions.</li> </ul>  <ul style="list-style-type: none"> <li>➤ Font drop-down list allows you to preview the text font.</li> </ul>



**Design toolbar** ➤ These icons show the shot-cut of creating objects.

**Order toolbar** ➤ These icons show the shot-cut of object order functions.

**Arrange toolbars** ➤ These icons show the object order relative functions.


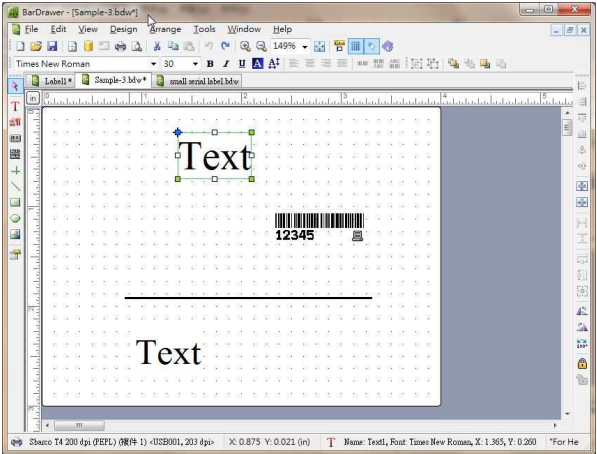




### 1.2.4 Status bars

● Provides printer, mouse coordinate and object info.

Printer status	Mouse coordinate	Object Info.	Func. help	Others
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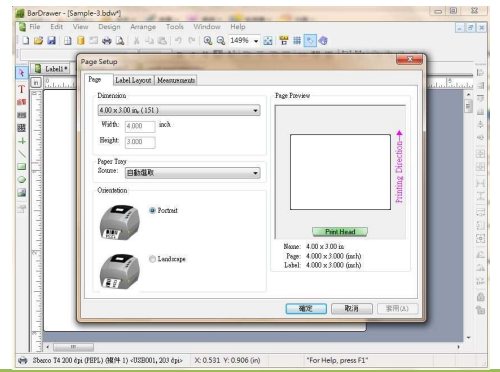
## 1.2.5 Edit area

- Object edit area where is going to be printed.

Item	Description
<b>Window tag</b>	<p>BarDrawer could show multiple documents and tagged by the file name.</p> <p>When user clicks the file, the file will be shown on the top.</p> 
<b>Edit area</b>	<p>In Edit area, you could edit the objects and show the grip (as figure shown) to align. Snap to grip let users to move any object in fixed distance.</p> 
<b>Ruler</b>	<ul style="list-style-type: none"> <li>➤ BarDrawer provides inches, centimeter and millimeter for measurement.</li> <li>➤ Shot-cut icons  to switch the unit.</li> <li>➤  cm</li> <li>➤  mm</li> <li>➤  in</li> </ul>

Double-click on right button of mouse to edit

Click on right button of mouse in blank area of editing label, the dialogue box will be shown.



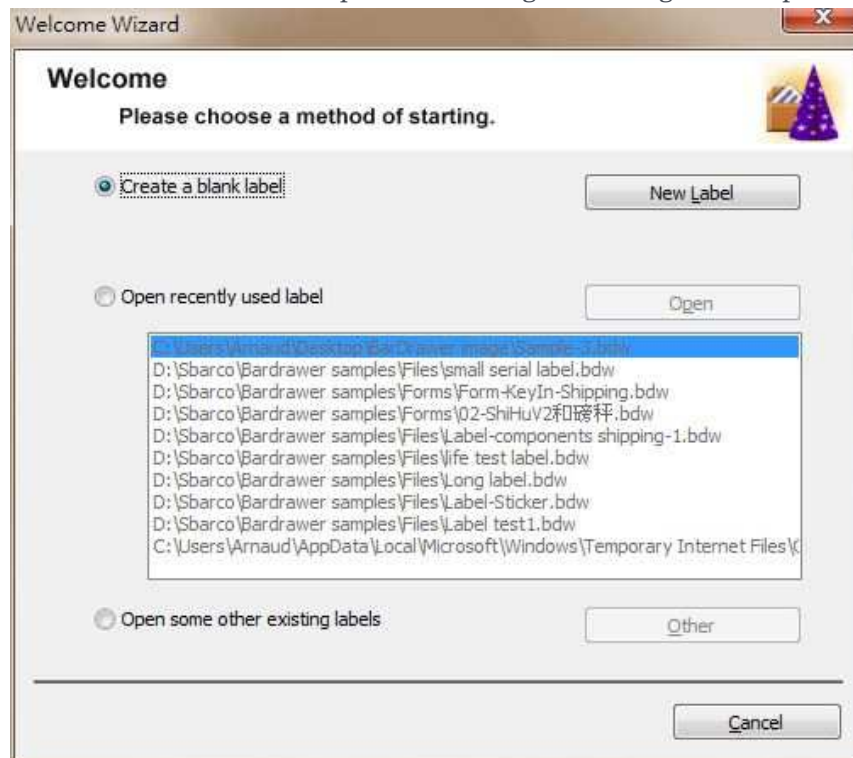
## 2. CREATE A LABEL OR FORM AND PRINT

### 2.1 Description of label and form

- Label model:
  - Connect printer to PC and print label out through PC.
  - Can link to database to print label.
  - Variable can be input, data and time from PC can be catch to print.
- Form
  - Print label out without connecting PC, standalone operation.
  - After editing a form file, this file could be download and stored in printer or SD card to print this file.
  - Variable could be entered through KB, Scanner or Scale when printer is operated through LCD monitor.

### 2.2 Wizard

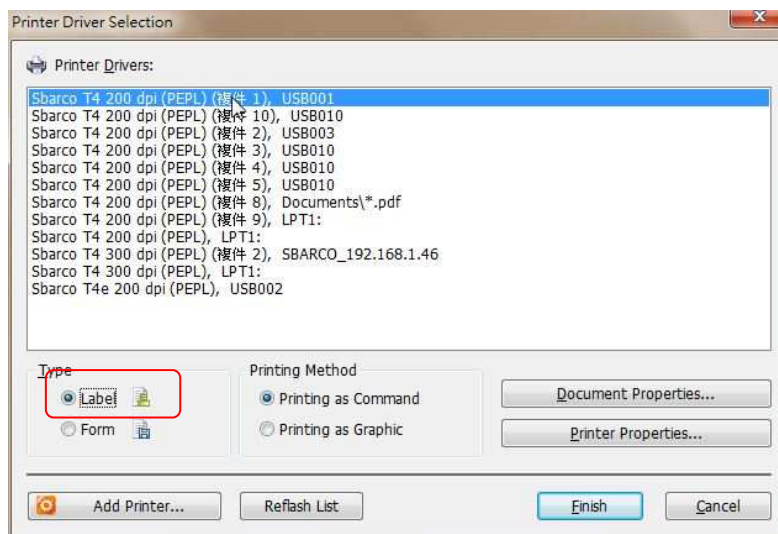
- When BarDrawer is executed, the wizard dialogue will be shown to help user to open label files.
- "Create a blank label" means to create a new label or form. You could also select File\New File to open a new file.
- "Open recently used file" means to open one of latest 10 created or used files. You could also select the file from the menu bar.
- "Open some other existing labels" means to open a browser window to select file. You could also open the existing file through File\Open file.



## 2.3 Label and print

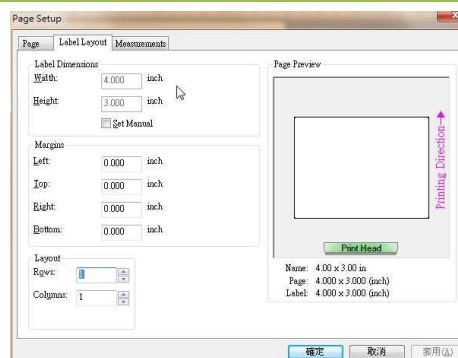
### 2.3.1 Label

- Select “Label” when creating a new blank label.

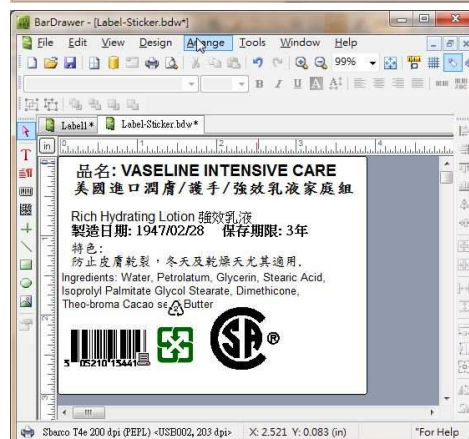


Item	Description
Printer Drivers	It will list all the supported printer drivers. User select a proper printer and output port.
Type	BarDrawer provides Label and Form.
Document and printer properties	“Document properties” and “Printer properties” can setup the printer parameters. After pressing “Finish” button, all the value will be brought to new label file.

- Setup firstly and page size. Please refer to [Page setup dialogue](#).



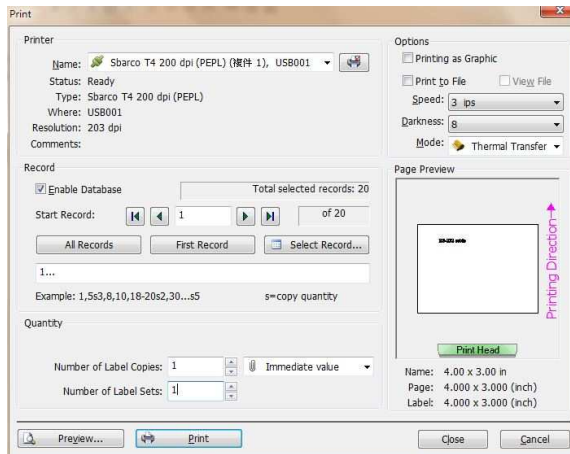
- After setting up the label and page size, you could start to edit the object, as figure shown. Please refer to [Create objects](#).



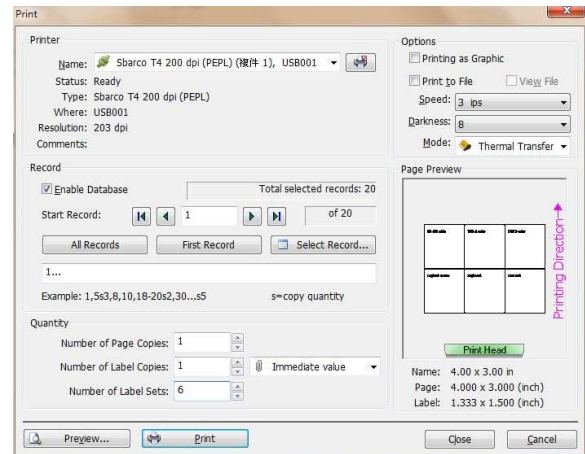


## 2.3.2 Print label




- After finishing edit, then can print label.





**Single label**



**Multiple labels**

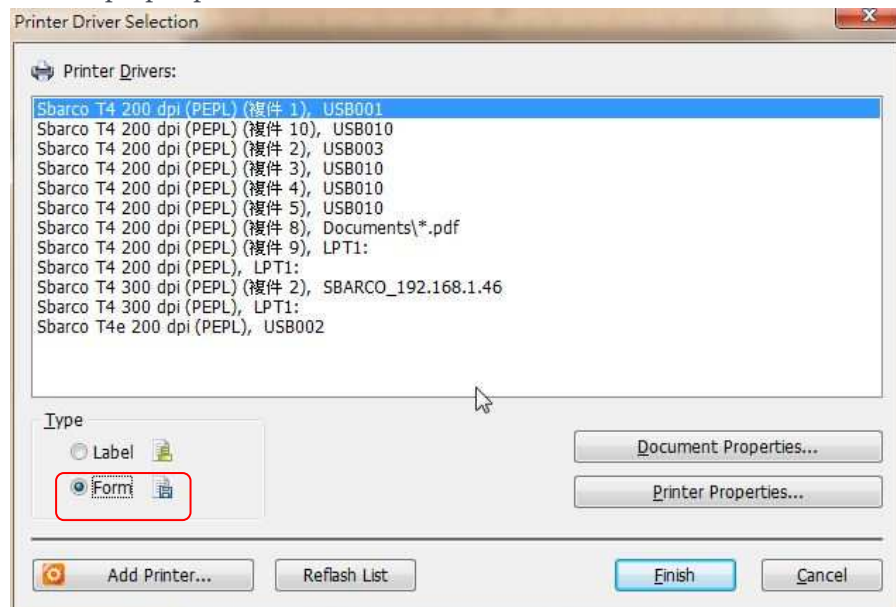
Items	Description
<b>Printer</b>	<ul style="list-style-type: none"> <li>➤ All the supporting drivers will be listed. User select a proper printer driver and output port.</li> <li>➤ This icon  means to enter to the printer driver properties to modify the setup. Please refer to <a href="#">Printer driver setup</a></li> </ul>
<b>Status</b>	<ul style="list-style-type: none"> <li>➤ It will show the printer status. Offline will be shown by  icon; Online will be shown by .</li> <li>➤ Type means the printer name.</li> <li>➤ Where means the output port.</li> <li>➤ Resolution means the printing resolution. BarDrawer supports 203 and 300 dpi.</li> <li>➤ Comments is printer note message.</li> </ul>
<b>Record</b>	When database is loaded and linked, this area will show the necessary records to let users to setup the

	printed record. Please refer to <a href="#">Database source 料庫</a> and <a href="#">Database linking setup</a>						
<b>Options</b>	<ul style="list-style-type: none"> <li>➤ “Print to file” means to save in a specific file while printing</li> <li>➤ “View file” is selected, the content of file will be opened in Note.</li> <li>➤ “Speed” is printing speed.</li> <li>➤ “Heat” is printing heat to darker or lighter the darkness.</li> <li>➤ “Mode” means to select the printing method. Thermal direct is to print without ribbon; Thermal transfer is to print with ribbon.</li> </ul>						
<b>Preview</b>	<p>In preview, 1, 1, 2, 2, 3, 3 means the print out order if label is set to counter and multiple labels.</p> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">3</td> </tr> </table>	1	1	2	2	3	3
1	1	2					
2	3	3					
<b>Quantity</b>	<ul style="list-style-type: none"> <li>➤ “Number of page copies” means the number of copies for each equal labels, it is only shown in multiple labels.</li> <li>➤ “ Number of label sets” means the number of copies for each equal label.</li> <li>➤ “ Number of label copies” means the counter copy number.</li> </ul>						
<b>Print</b>	 <b>Print</b> Print out through printer.						
<b>Preview</b>	 <b>Preview...</b> preview the printing result						

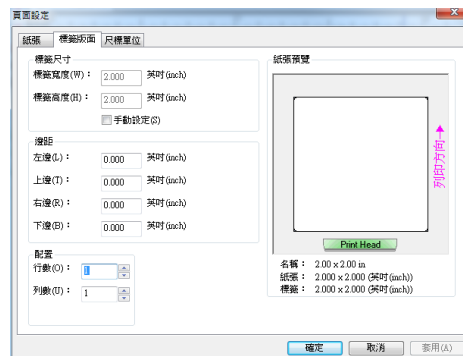
## 2.4 Form and download

### 2.4.1 Form

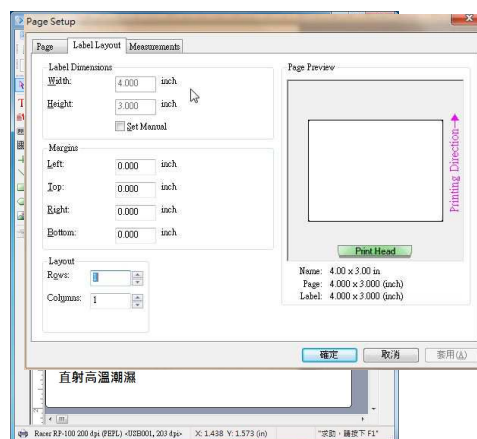
- Select “Form” when creating a new label.
- Select the proper printer driver.



- Setup the page size after entering the edit field. Please refer to [Page setup dialogue](#)

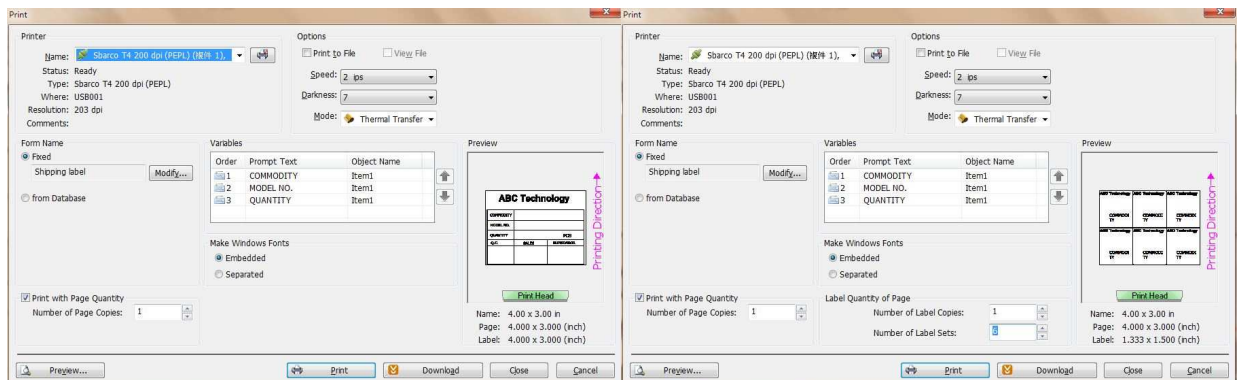


- After finishing the page size setup, you could start to edit the object. Please refer to [Create Objects](#).



## 2.4.2 Download form


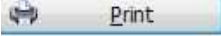
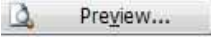
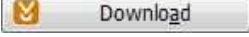
- After editing, you could start the download and print test.



### Single label

### Multiple

Items	Description
Form setup	
Print with page quantity	<p>➤ When “Print with page quantity” is selected, the printing quantity will be stored in printer and print out after all the variable data is entered to printer.</p> <p>➤ “ Number of label copies” means the printing quantity for a equal label.</p> <p>➤ “ Number of label sets” means the number of printing sets.</p>
Print quantity	<p>➤ It is not show but on variable data</p> <p>➤ “ Number of page copies” means the printing quantity for each equal label.</p> <p>➤ “ Number of label sets” means the printing</p>

	quantity label sets.	
Printer	Please refer to <a href="#">Print label</a>	
Printer info.	Please refer to <a href="#">Print label</a>	
Options	Please refer to <a href="#">Print label</a>	
Preview	Please refer to <a href="#">Print label</a>	
Print		Print out through printer.
Preview		Preview the printing result
Download		Download form to storage interfaces.

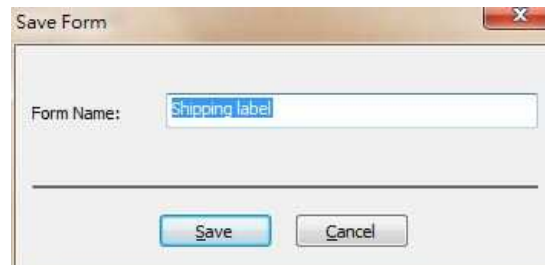
### 2.4.3 Form name setup

- “Modify” button could modify the form name which is going to save in storage interface.
- 2 modes for the form name: “Automatic recall form” and “User define”.
- “Automatic recall form” will load the form automatically to printer every time the printer is power on.
- “User define” can let user to enter the form name. Max. characters number is 8 ASCII.

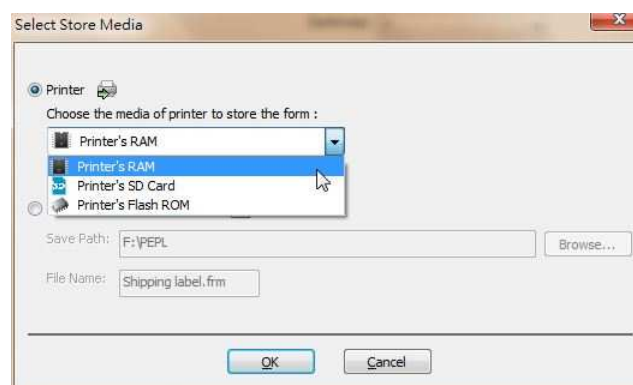


## 2.4.4 Form storage setup

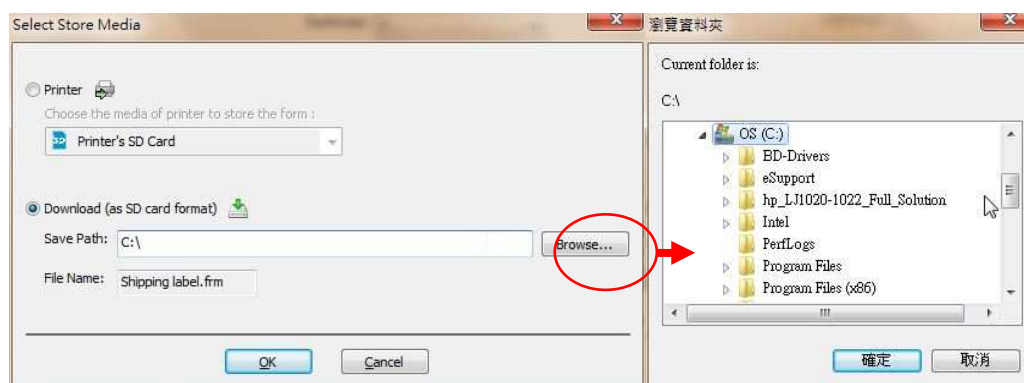
- Pres “Download in print dialogue, save dialogue will appear to let user confirm the saving form name. Besides, printer will double check if the form name is repeated. This checking function is available only for USB port.



- 3 storage medias could select while loading to printer:
  - Printer’s RAM: all the data will disappear when printer power is off.
  - Printer’s SD card
  - Printer’s Flash ROM: The data will be kept forever unless they are deleted.



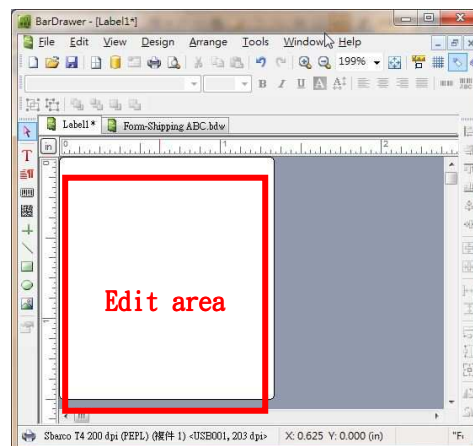
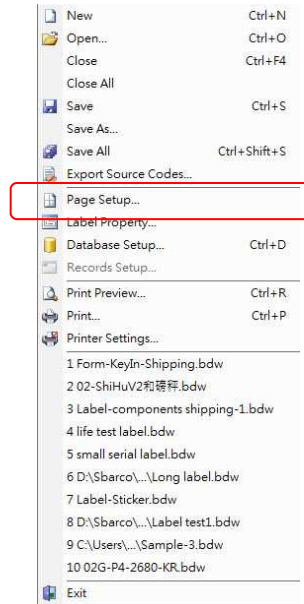
- When “Download (as SD card format)” is selected, the form will be save in PC file. Users can specify the path and folder to save the form and then save these forms under the folder PEPL of SD card. Then, insert the SD card, printer could execute the forms in SD card.



## 3. LABEL PAGE AND PRINTER DRIVER SETUP

### 3.1 Label and page description

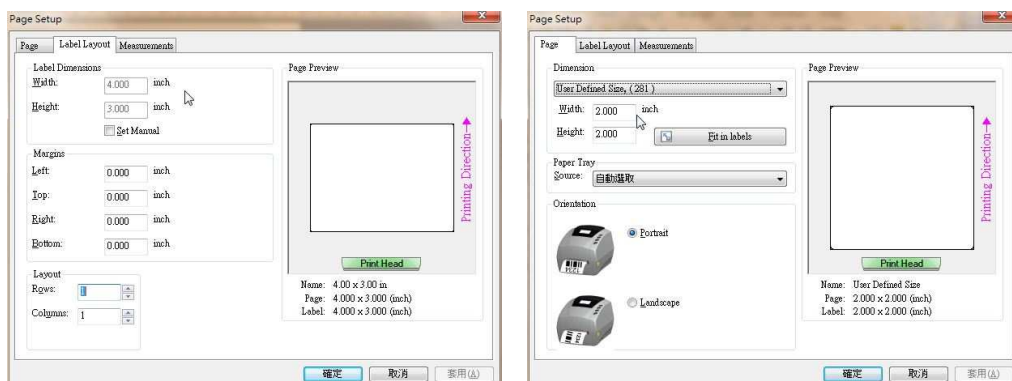
- Page means the back paper of label, including the margin tab of two borders.
- Label means the adhesive sticker, usually, it is a single label or multiple columns label. Please refer to [Column labels](#) .
- Label and page could be as one, as care label, tag, ticket or satin...etc.
- Page has different type: continuous, gap, black mark. Please refer to [printer driver setup](#) for page setup.
- From menu bar\page setup or double-click on edit area to enter the page setup dialogue box.


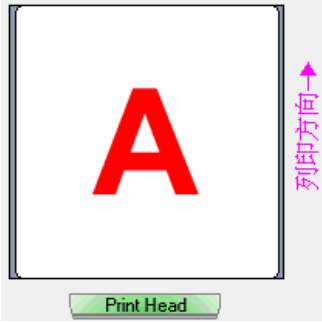
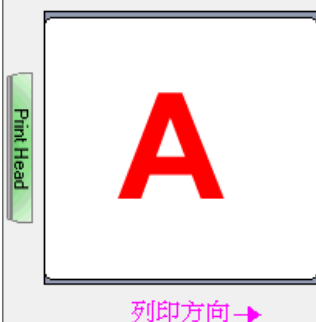


## 3.2 Page setup dialogue box

### 3.2.1 Page setup

Page size, printing direct and preview function could be set in this setup.

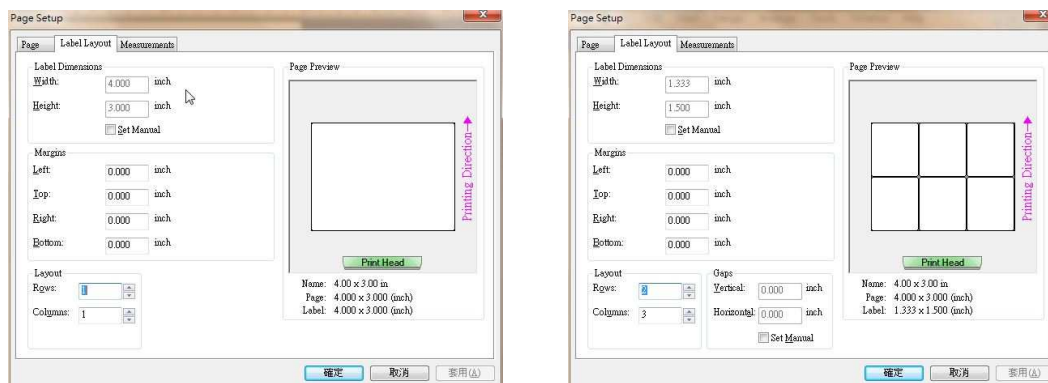


Item	Description
<b>Dimension</b>	The page size here means the back paper size including the margin tab of two borders. BarDrawer has set the default page size. User Define could be also selected to set the page size.
<b>Width and Height</b>	It shows the specific width and height. It is to set User Define, width and height is needed to enter. Simultaneously, the icon  will be shown to let the size of page be the same as page size.
<b>Paper tray</b>	Automatic always
<b>Orientation</b>	<p>Portrait and landscape (90 degree), as image shown.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Portrait</p> </div> <div style="text-align: center;">  <p>Landscape</p> </div> </div>



### 3.2.2 Label layout setup

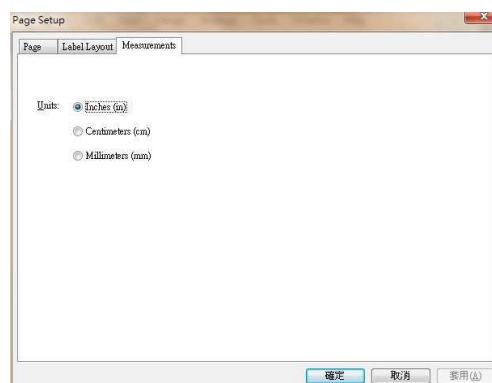
Label layout means the edit area size.



Item	Description
<b>Label dimension</b>	It is to set the edit area size, the size will be adjusted automatically by the margins of label, row and column. It can be also set by manual. Preview can see the result.
<b>Margins</b>	Set the margins of label.
<b>Layout</b>	If it is single label, set row and column to 1. If it is multiple labels, the number of row and column should be set bigger than 1. Preview could see the result.
<b>Gap</b>	It is to set the gap between column and row, it can be also set by manual.

### 3.2.3 Ruler setup

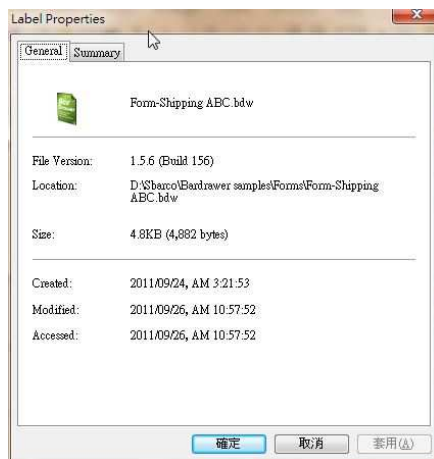
The unit could be configured in inches, centimeters and millimeters.



### 3.3 Label property

- Label property means label or form information, as saving folder, file size, setup date, modified date and author...etc.
- User can key-in necessary date by self.
- Go to File\Label property to enter the property dialogue box.

#### ●General



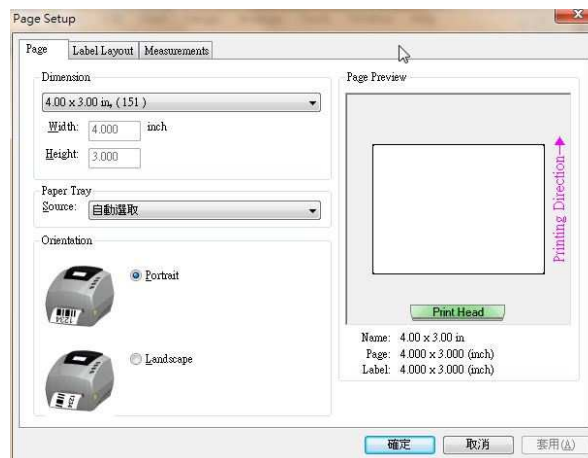
#### ●Summary



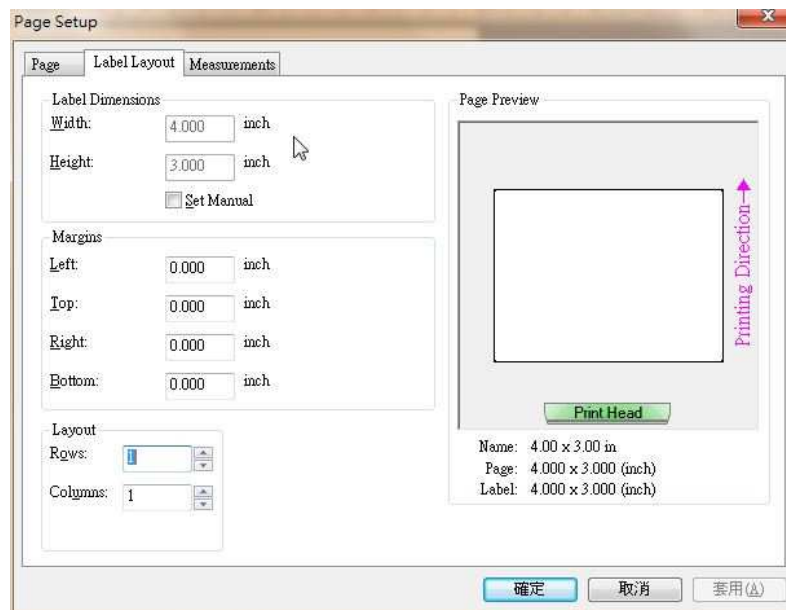
## 3.4 Single label setup

BarDrawer supports two different printing type: single label print and multiple labels print. Setup the label size before edit, it can print the single label or multiple column labels.

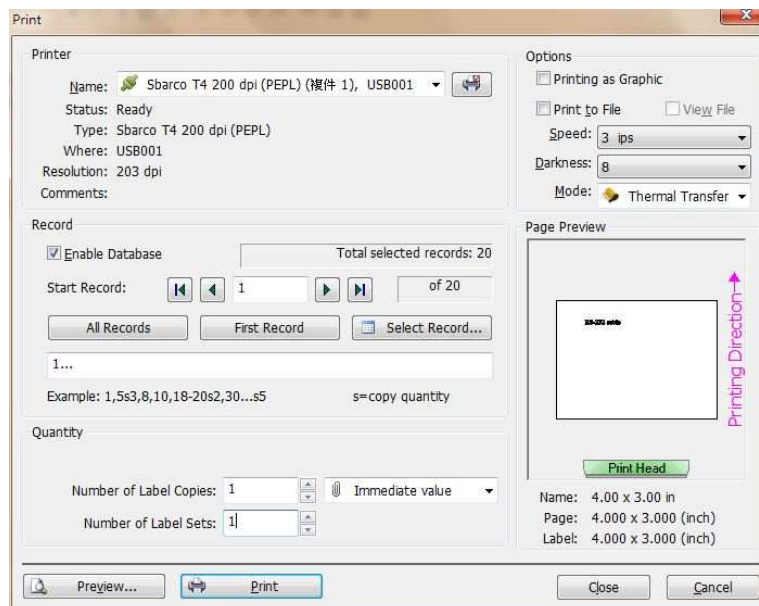
- It will print a single label if editing is in single label type.
- Select in Menu bar File\Page Setup or double-click on left button of the mouse can enter to the Page setup dialogue.
- [Page Setup](#) · select the page size. If the default size cannot match the which you have, please select “User Define” and enter the width and height, then, select the printing orientation.



- Lable layout · firstly, setup number per column and per row to 1, then set the margin from edge to label.

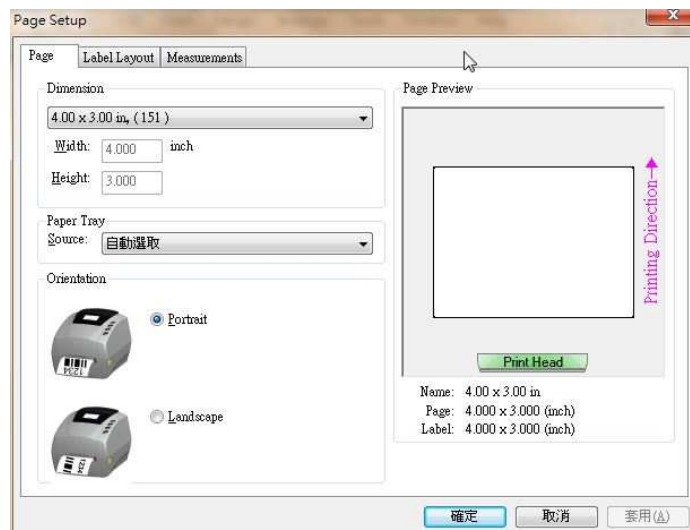


- After finishing setup, you could start to edit the label.
- After editing, you could start printing process. Only one label can be seen in Preview, "Number of label copies" and "Number of label sets" will be shown to let user to enter the quantity.

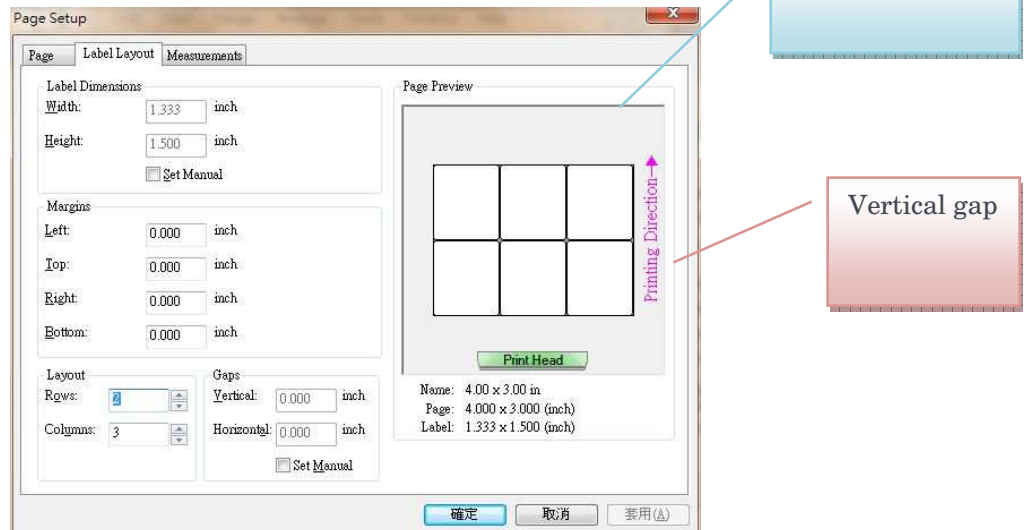


### 3.5 Multiple labels setup

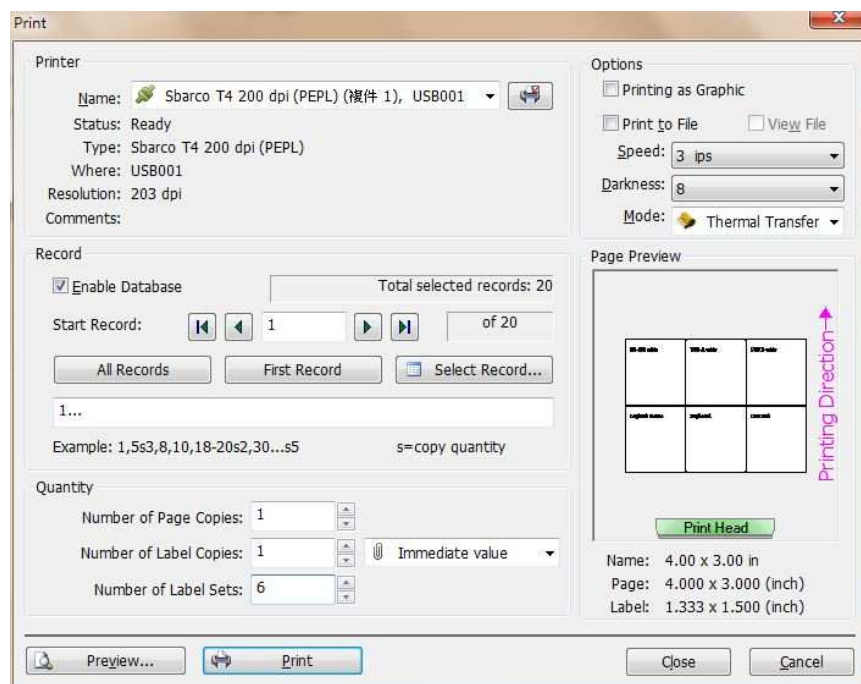
- BarDrawer supports two different printing type: single label print and multiple labels print. Setup the label size before edit, it can print the single label or multiple column labels
- It will print a single label if editing is in single label type.
- Select in Menu bar File\Page Setup or double-click on left button of the mouse can enter to the Page setup dialogue.
- [Page Setup](#) · select the page size. If the default size cannot match the which you have, please select “User Define” and enter the width and height, then, select the printing orientation.



- **Label setup** · firstly, enter the value of label per column and per row in layout, distance between edge and label. Please enter the value in margins field if there are gaps in labels.



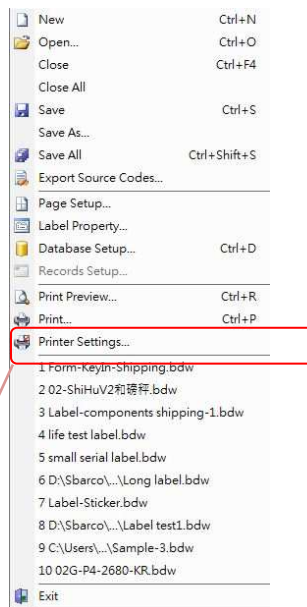
- After setting the label setup, you could start to edit label.
- After editing, you could preview the multiple columns and rows. In quantity field, "Number of label to print" will be shown to let you enter the value.
- In preview, 1, 1, 2, 2, 3, 3 means the counter will print by order.



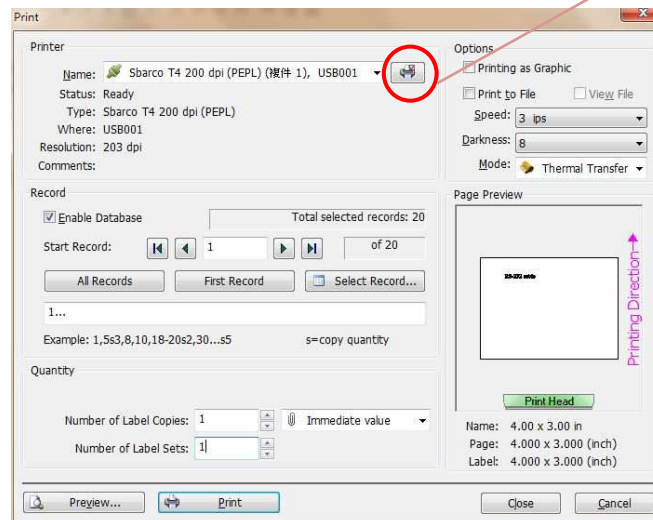
## 3.5 Printer driver setup

Printer driver will work the printer by the setup value, without the exact value, the printer might cause the problem during the printing.

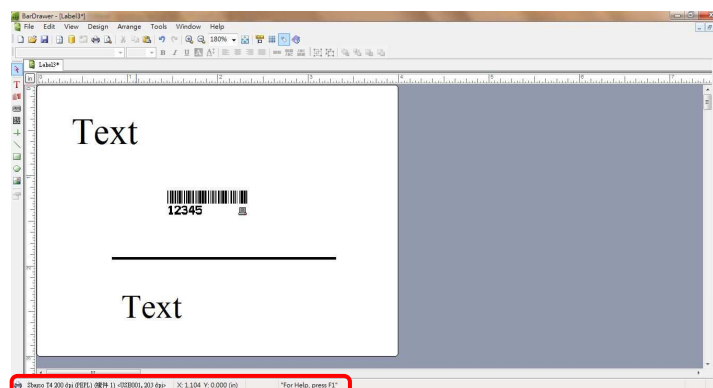
- Printer value will store in the label file and be opened in any PC. User can use the same file without reset all the parameters.
- The property of printer driver is Label layout, Option, Command, Tool and about.
- 3 ways to setup the driver: From Menu bar\Printer setup; from icon in Print dialogue box; from Status bard on the bottom of edit field.



From  
"Menu bar"

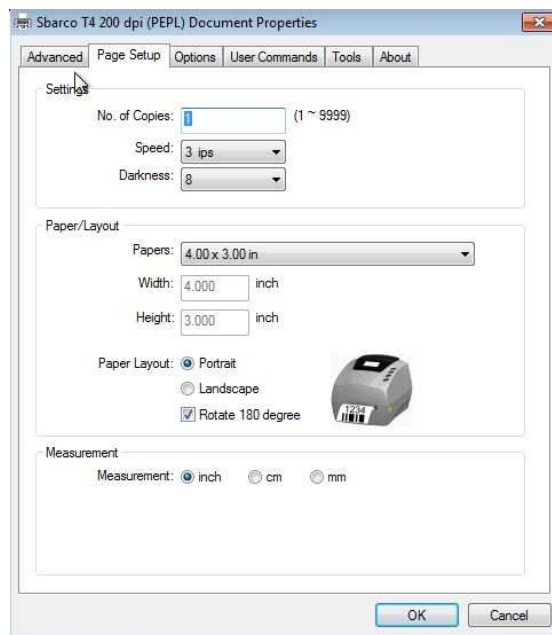


Click "print"  
icon to setup  
driver.



From Printer  
Status bar

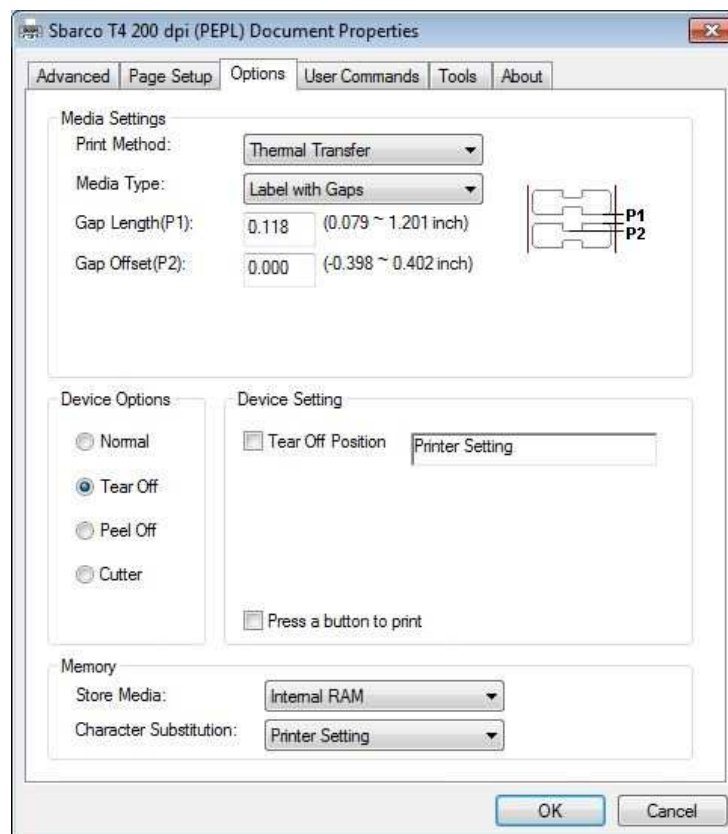
### 3.5.1 Label layout setup



Item	Description
Copy	Number of label copy
Print speed	Print speed
Print darkness	Print darkness, the ribbon will melt if darkness value is too high
Layout	Label actual size, there are integrated label size. You could also choose "User Define" to set the label size.
Width, height	Label width and height, when "User Define" is selected, the value could be entered in these field.
Page setup	Print in portrait or landscape (90 degree). When the printing width is larger than the printer width, user should select "landscape" to print.
Rotation 180 degree	Rotate the print out 180 degree. If this function is not selected, the printout is upside down.
Unit	Means to enter with what measurement.



### 3.5.2 Option description :



Item	Description
Label type	Gap, black mark and continuous label
Gap	<div data-bbox="469 1283 1005 1512"> <p>Media Settings</p> <p>Print Method: Thermal Transfer</p> <p>Media Type: Label with Gaps</p> <p>Gap Length(P1): 0.118 (0.079 ~ 1.201 inch)</p> <p>Gap Offset(P2): 0.000 (-0.398 ~ 0.402 inch)</p> </div> <div data-bbox="1021 1317 1308 1478"> </div> <ul style="list-style-type: none"> <li>◆ “Gap height P1” means distance of P1.</li> <li>◆ “Gap shift P2” means to set the P2 distance from the origin of coordinate after setting P1 distance. If the value is negative, it should shift to inside gap; if the value is positive, it should shift to outside gap.</li> <li>◆ When the sensor moves to B, printer cannot detect the gap distance, you should enlarge the P1 value to let B to close to P2, which could make printer detect the real gap.</li> </ul>

- ◆ When the sensor moves to A or C, printer can detect exact distance of gap, you just need to enter the P1 value.

### Black mark

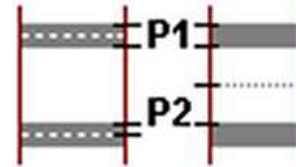
Media Settings

Print Method: Thermal Transfer

Media Type: Label with Marks

Black Line(P1): 0.118 (0.079 ~ 1.201 inch)

Thickness Offset(P2): 0.000 (-0.398 ~ 0.402 inch)



- ◆ “Black mark P1” is distance of P1.
- ◆ “Shift P2” means after setting P1, you need to shift the P2 distance from the origin of coordinate. If the value is negative, shift to inside of black mark; if the value is positive, shift to outside of black mark.

### Continuous

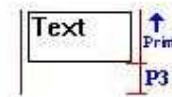
Media Settings

Print Method: Thermal Transfer

Media Type: Continuous

Stop Offset (P3): 0.000 (0.000 ~ 2.000 inch)

Stop On Last Element



- ◆ “Continuous” is to ignore the gap and black mark of the label to print the specific label length.
- ◆ “Stop shifting P3” means how many distance printer should feed after the last printed element.
- ◆ “Stop to last element” means that label will stop on the last printed element. In that case, label will not stop on the specific position. Disable this option could feed the label to specific length.

### Print mode

Select if printer print labels with or without ribbon. When mode “Thermal direct” is selected, the printer could print label without ribbon. When the model “Thermal transfer” is selected, printer need ribbon to print label out.

### Character

It means to select Zero with slash or Zero without slash.

replacement

Zero with slash , Zero without slash 

**Storage media** Store the form in

- ◆ " SDRAM" , all forms will disappear when power is off.
- ◆ " Flash ROM" all forms are still stored in printer even power is off. ◦
- ◆ " SD card in printer"

**Device** Default  
(normal)

**Device option**  
(Tear )



The screenshot shows two panels: 'Device Options' and 'Device Setting'. In 'Device Options', there are four radio buttons: 'Normal', 'Tear Off' (which is selected), 'Peel Off', and 'Cutter'. In 'Device Setting', there is a checkbox for 'Tear Off Position' which is checked, followed by a text input field labeled 'Printer Setting'. At the bottom of the 'Device Setting' panel, there is another checkbox for 'Press a button to print' which is unchecked.

- ◆ When print stops, printer will feed the label gap to the position of metal tear bar to let user to tear off the label easier.
- ◆ "Tear off position" could be adjusted by selecting tear of position.

**Device option**  
(Peel off)



The screenshot shows two panels: 'Device Options' and 'Device Setting'. In 'Device Options', there are four radio buttons: 'Normal', 'Tear Off', 'Peel Off' (which is selected), and 'Cutter'. In 'Device Setting', there is a checkbox for 'Peel Off Position' which is checked, followed by a text input field labeled 'Printer Setting'.

- ◆ Printer will peel off the label when printer stops printing. Printer will feed next label after removing the printed label.
- ◆ "Peeling position" could be adjusted to specific position when this option is selected and value is entered.

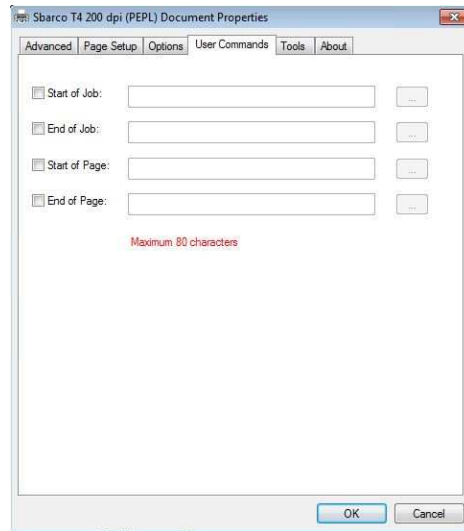
## Options (Cutter)

Device Options	Device Setting
<input type="radio"/> Normal	
<input type="radio"/> Tear Off	
<input type="radio"/> Peel Off	
<input checked="" type="radio"/> Cutter	
	Every Cut <input type="text" value="1"/> (1 ~ 255 Label)
	<input type="checkbox"/> Cut Position <input type="text" value="Printer Setting"/>
	<input type="checkbox"/> Press a button to print

- ◆ Printer will cut label after printing.
- ◆ “Cutting position” could be adjusted to the specific position when this option is selected and value is entered.
- ◆ “Gap cutting” is to cut by batch. You could set the batch of cut to decide how many printed labels to cut a time.

### 3.5.3 Command description :

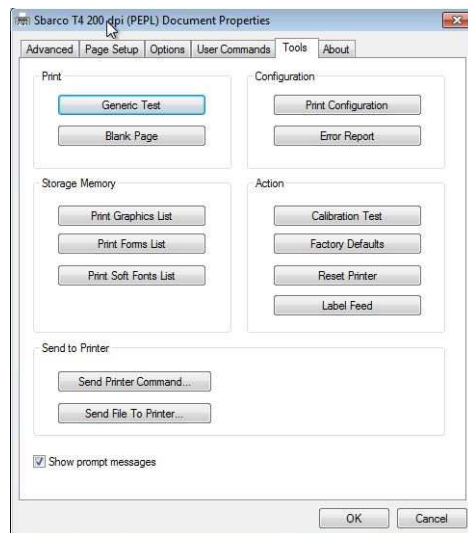
Users could enter the command when there is any specific command to transfer to printer. Select the needed item, press“ ...” button, the dialogue box will be shown to let user to enter the commands.



Item	Description
<b>Document start</b>	To transfer commands or data to printer before printer starts to print.
<b>Document end</b>	To transfer commands or data to printer after printer ends the print.
<b>Label start</b>	To transfer commands or data to printer before printing each label.
<b>Label end</b>	To transfer command or data to printer after printing each label.

### 3.5.4 Tool description

Tool provides some the most used functions by pressing “function buttons” .



Item	Description
Test	To print a “TEST” label.
Blank label	To feed a blank label.
Printer status	To print a printer configuration label.
Error report	To print a error code label.
Print image list	To print a stored images list.
Print forms list	To print a stored forms list.
Print fonts list	To print a stored fonts list.
Calibration	To calibrate label.
Default	To reset printer to factory default.
Reset	To reset printer.
Feed a label	To feed a blank label.
Send printer	Dialogue box will be shown to let user to enter commands or data.

---

<b>command</b>	After entering, software will send the commands or data to printer.
<b>Send file to printer</b>	Browser box will be shown to let user to select a file and send to printer.
<b>Message</b>	If this option is selected, printer will show a message to let user know that the job is done.

### 3.5.5 About description



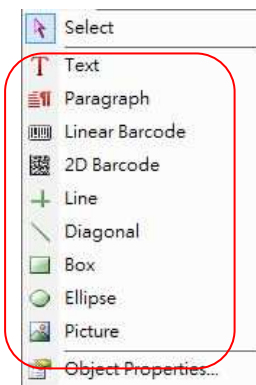
Item	Description
Driver version	Printer driver version.
Command version	Printer command driver version.
Firmware version	Software supporting firmware version.



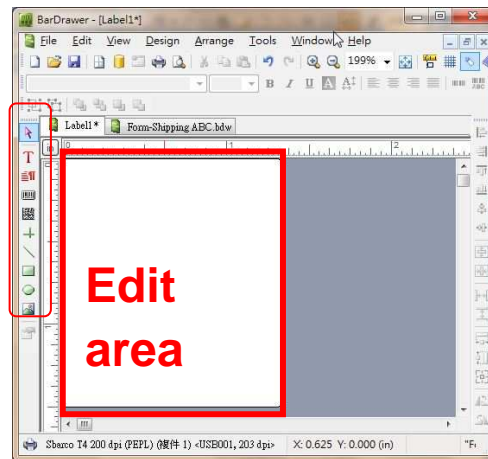
## 4. CREATING OBJECTS

### 4.1 Object description

- BarDrawer provides the most used objects to let users to create objects in edit field.
- You could create object simply using: Design in menu bar or creating tool bar on left side of edit field.



Menu bar\Design



Tool bar on left side of edit field

- Objects description :

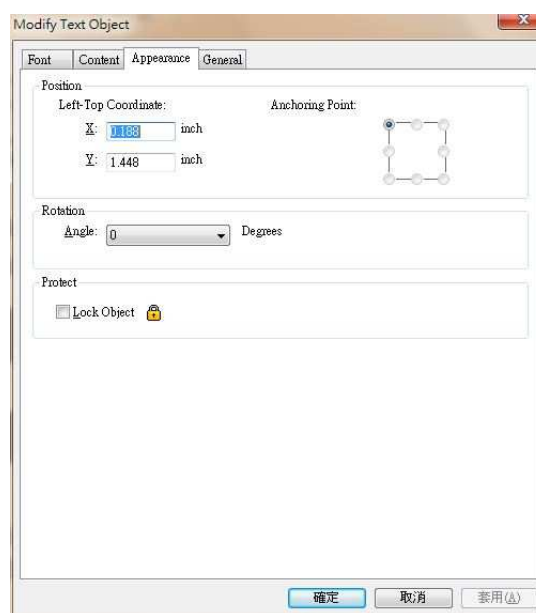
Item	Description
Text	A single text
Paragraph	A paragraph, paragraph will wrap onto additional lines when it is on the border of square.
1D	1D barcode, as Code39, Code128, EAN8/13...
2D	2D barcode, as QR code, DataMatrix, PDF417...
Line	A solid line, could be vertical, horizontal or square.
Diagonal	Any angle of line, a dashed-line, comma-line or solid-line.
Box	A hollow or solid square with round corners.
Ellipse	A hollow or solid roundness.

**Picture** A single picture, it is adjustable.

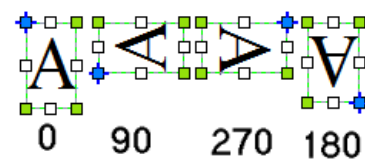
- After creating an object, double-clicking on button of mouse to enter to object properties dialogue; or to menu bar\design\object properties.
- There are pages in object properties to show all the setting value. Basic pages are content, appearance and general. The other pages will be shown by the different objects.
- Please refer to [Object properties page](#) for object properties content page.

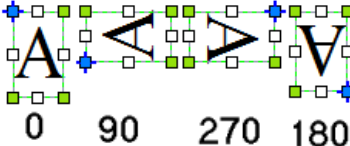

#### 4.1.1 Appearance page in object properties

Appearance page is mainly to show the object relative position setting. You could enter the coordinate value, rotation angle and lock object functions.



Item	Description
<b>Left-top coordinate</b>	<ul style="list-style-type: none"> <li>➤ Selected object will be marked on blue on left top corner. The entered coordinate value is the blue mark.</li> <li>➤ The blue mark will be change following rotation angle.</li> </ul>



<b>Rotation angle</b>	There are 4 angle rotations, as image shown.	
<b>Lock object</b>	Object cannot change the position if it is locked.	

#### 4.1.2 General in object properties

General page will show the general information as object name and note. General information will not be printed if “Do not print object” option is selected.

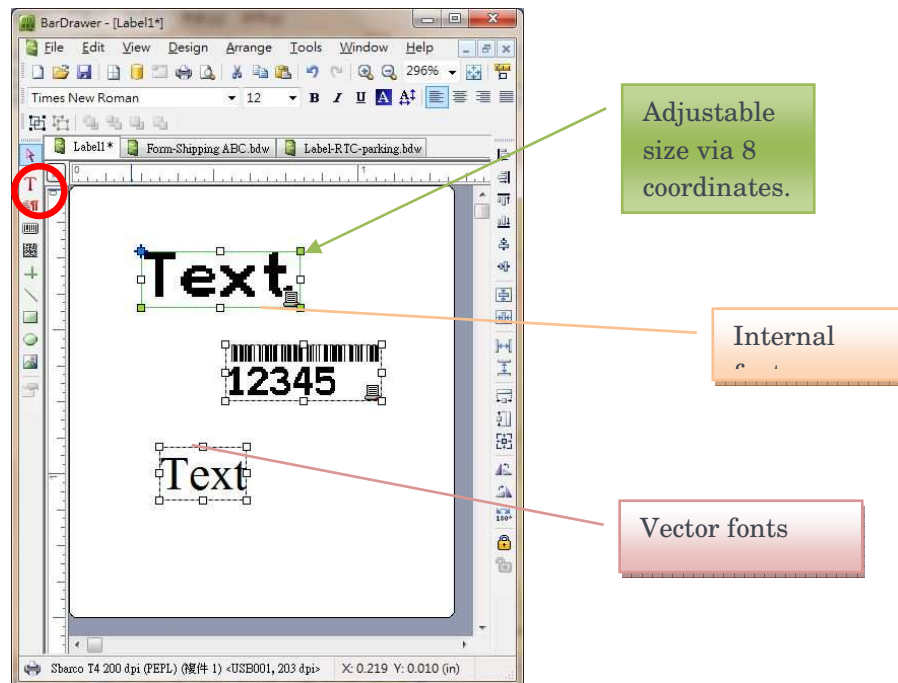


Item	Description
<b>Object name</b>	<ul style="list-style-type: none"> <li>➤ Object name must be the only one and cannot be repeated.</li> <li>➤ Object name will be shown in “refer to” to let user to select and in “Database setup\relative” .</li> </ul>
<b>Do not print object</b>	The object will not be printed when this option is selected.
<b>Comment</b>	Comment of the object for users’ reference.

## 4.2 Creating a text objects

### 4.2.1 How to create

- Text object means a single line text. It can be a vector or internal font in printer. Click **T** to create a text object.
- The size of the object could be adjusted by 8 marked coordinates.



### 4.2.2 Tool bar



- Objects could be adjusted via the Tool bar.



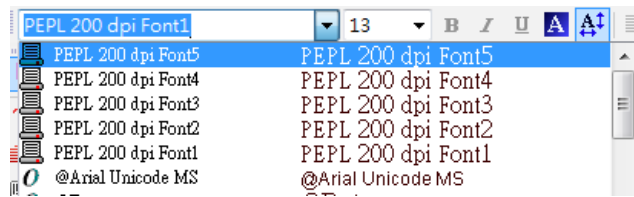
Font typeface

Font size


Does not support text object

Item	Description
Font typeface	<ul style="list-style-type: none"> <li>➤ It shows the font type name, can be changed by clicking drop-down button .</li> <li>➤ Drop-down list will show the font name and font size, as shown.</li> </ul>  <ul style="list-style-type: none"> <li>➤ Internal and vector fonts are shown in same list.</li> </ul>

- Internal fonts will be listed on the top, it supports PEPL 200 dpi Font 1~5, English characters, Numeric and symbols.



**Font size**

- It shows the font size and can be adjusted by clicking  button to adjust. Font size value could be also entered directly.
- Vector size range is larger than internal font, as image shown.
- There are only 8 internal fonts, as image 2 shown.

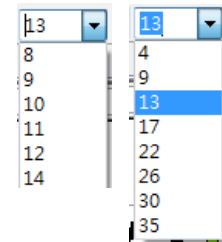



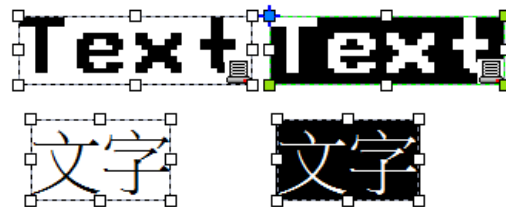
Image 1 Image 2

**Bold, Italic, Underline**



Text object(s) could be changed by the shown images.   

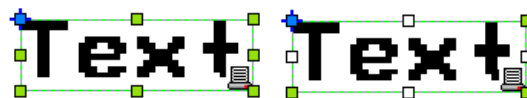
**White on black**

Text can be shown in White on black if this image  button is pressed.



**Font scale**

- Default of font scale is same ration of width and length. When the icon  is active, text size could be adjusted as desired. .
- When "Scale Auto width" function is disable, the adjustable point will be in green. When it is enable, only four corner points are in green, as image shown.

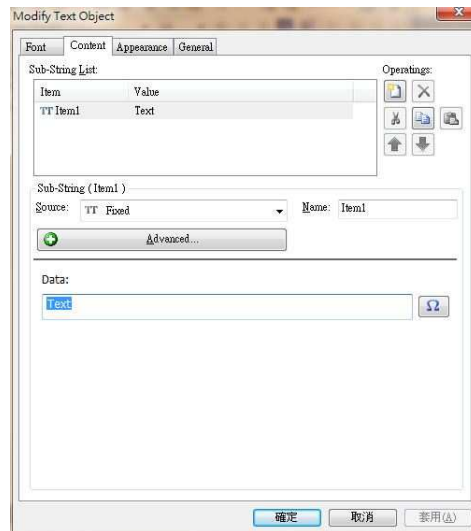


Adjustable

Auto width

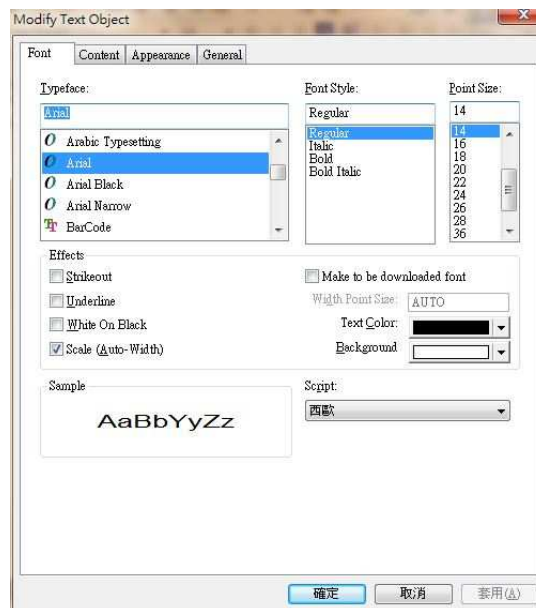
### 4.2.3 Text object source

It can be entered via the “Content” page of “Modify text object” or refer to [Use of text object source](#)



### 4.2.4 Text object font

You could select more font type and preview the fonts.




Item	Description
Typeface	It shows the font name. °
Font style	<ul style="list-style-type: none"> <li>➤ Normal, Italic, Bold and Bold Italic</li> <li>➤ Internal font doesn't support Italic, Bold and Bold Italic font style °</li> </ul>

---

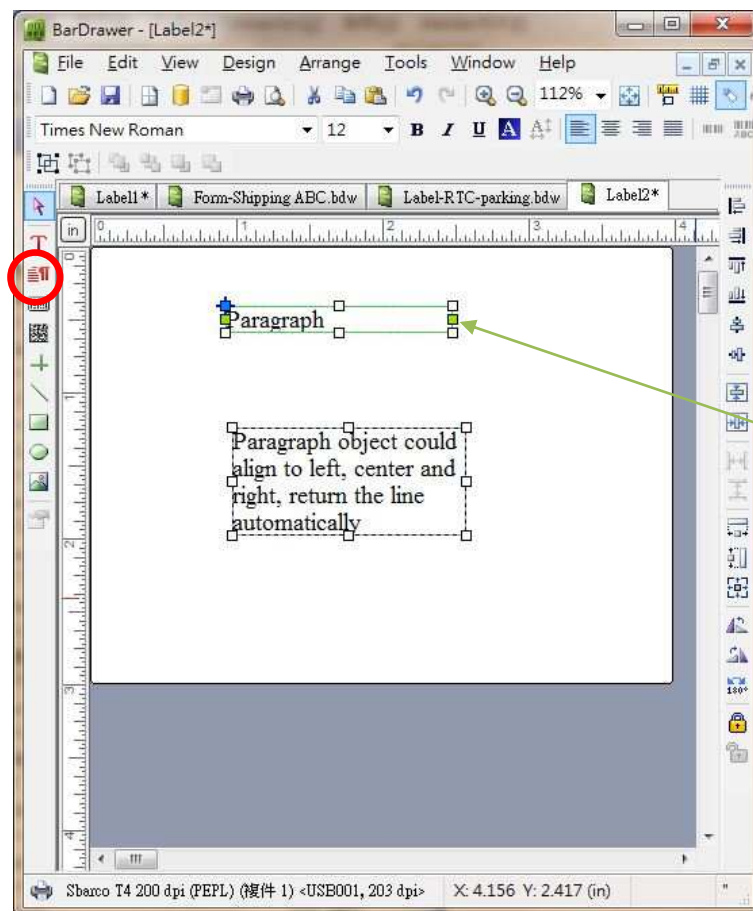
<b>Point size</b>	It shows the selected font size.
<b>Effects</b>	<ul style="list-style-type: none"><li>➤ Strikeout, Underline, White on black and color.</li><li>➤ Internal font doesn't support Strikeout, Under line, and color.</li></ul>
<b>Scale (Auto width)</b>	<ul style="list-style-type: none"><li>➤ Refer to "Auto-width" function.</li><li>➤ When this function is disable, width value could be entered directly.</li></ul>
<b>Sample</b>	Preview selected font.
<b>Script</b>	If the language is not the current default language of OS, all the images will be shown in confusing code.

## 4.3 Creating a paragraph object

### 4.3.1 How to create

- Paragraph object means multiple line text and it is vector text. Click on  image to create a paragraph text.
- When object is created, paragraph width could be adjusted through 2 points in green.
- The contents in the object will be adjusted automatically. As image shown.

Paragraph object could align to left, center and right, return the line automatically



2 points in green can adjust

### 4.3.2 Tool bar

- The typeface could be adjusted through toolbar.






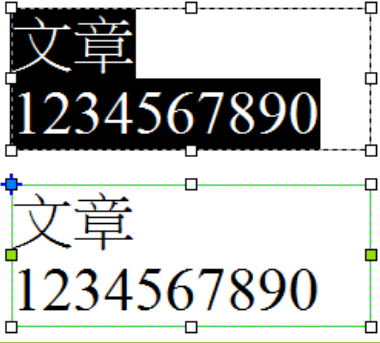
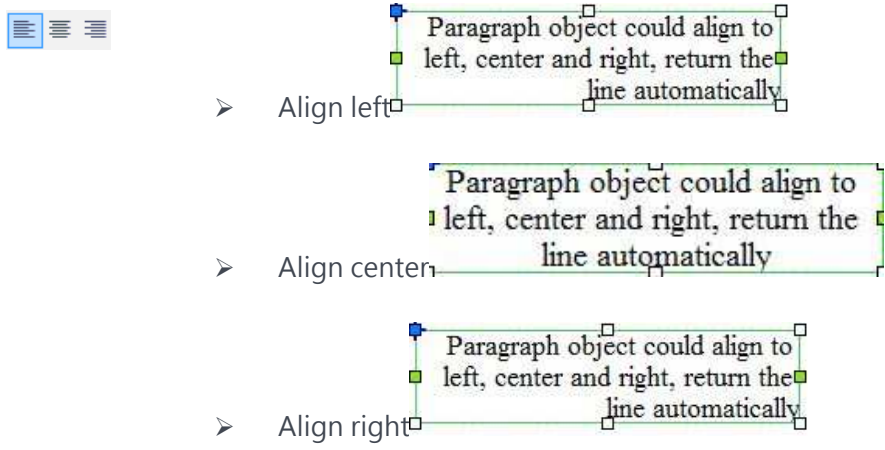





Typeface

Font size

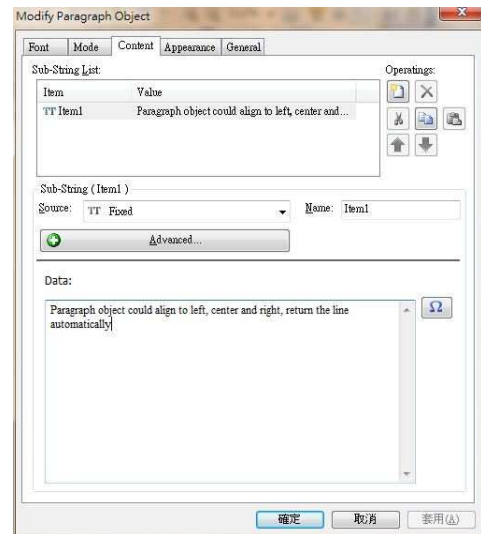
Horizontal Vertical



Item	Description
<b>Typeface</b>	<ul style="list-style-type: none"> <li>➤ It shows the selected font name, drop down button  can select different fonts.</li> <li>➤ List fonts support only vector.</li> <li>➤ Drop down list shows the font name and typeface, as images shown.</li> </ul> 
<b>Font size</b>	<ul style="list-style-type: none"> <li>➤ It shows the font size. Drop down button  could select different font size, or enter value to change font size."</li> </ul>
<b>Bold, Italic, Underline</b>	<p>Through the images  , paragraph object could be changed to different shape.</p>
<b>White on black</b>	<p>Paragraph could show the reverse type after pressing  icon, as images shown.</p> 
<b>Text align</b>	<ul style="list-style-type: none"> <li>➤ Paragraph object could adjust the horizontal align.</li> </ul>  <ul style="list-style-type: none"> <li>➤  Align left</li> <li>➤  Align center</li> <li>➤  Align right</li> </ul>

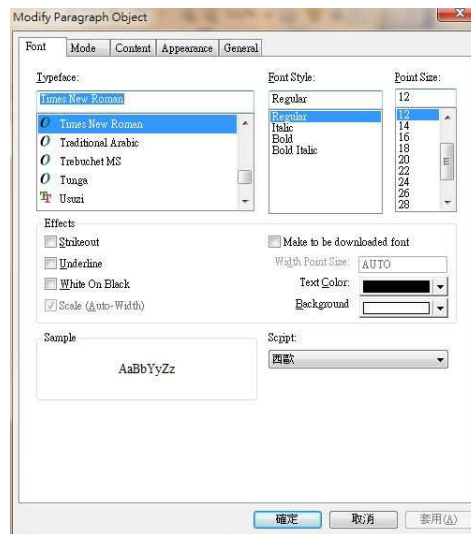
### 4.3.3 Paragraph object source

- Data could be entered directly from the Content page, or refer to [use of object content](#) to create more sources.
- Entering type could be multiple lines.



### 4.3.4 Paragraph object typeface

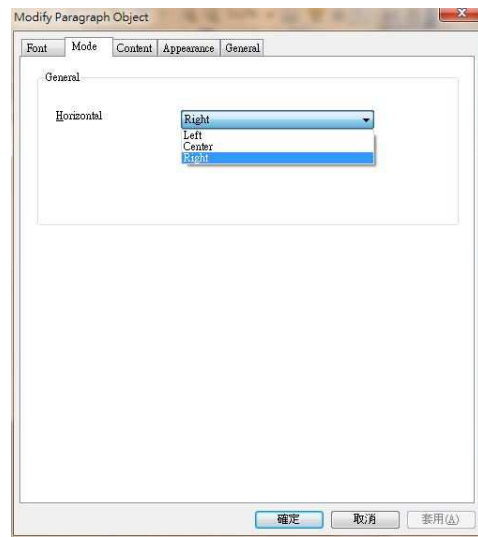
More font type could be set and previewed in “Font” page.



Item	
Typeface	It shows the font name. °
Font style	<ul style="list-style-type: none"> <li>➤ Normal, Italic, Bold and Bold Italic</li> <li>➤ Internal font doesn't support Italic, Bold and Bold Italic font style °</li> </ul>
Point size	It shows the selected font size.
Effects	<ul style="list-style-type: none"> <li>➤ Strikeout, Underline, White on black and color.</li> <li>➤ Internal font doesn't support Strikeout, Under line, and color.</li> </ul>
Scale (Auto width)	Paragraph object doesn't support this function.
Sample	Preview selected font.
Script	If the language is not the current default language of OS, all the images will be shown in confusing code.


#### 4.3.4 Paragraph object mode

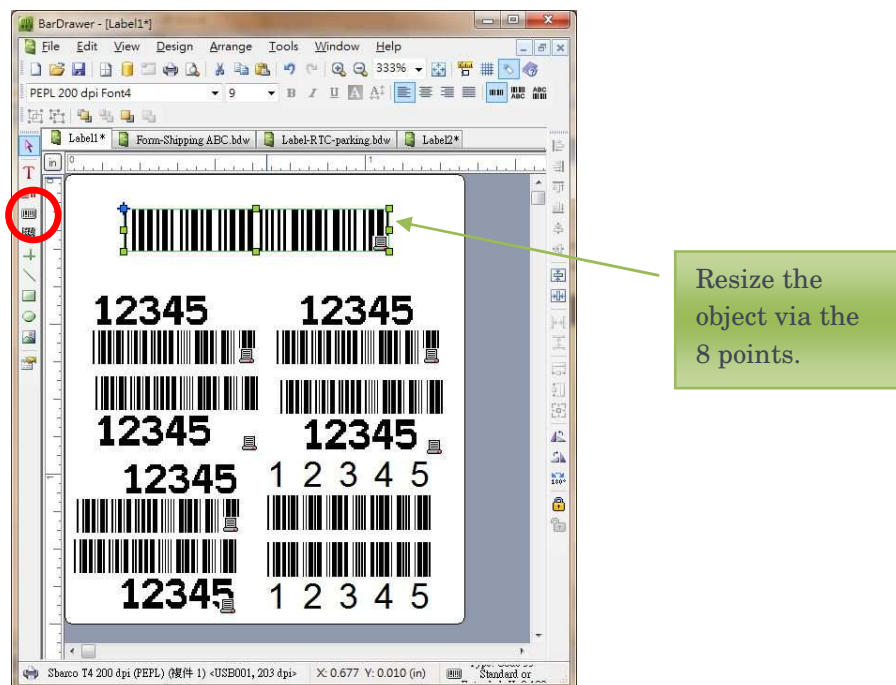
It could set the horizontal align, as left align, center align and right align.



## 4.4 Creating a 1D barcode object

### 4.4.1 How to create

- 1D barcode object means 1 dimension barcode, it can print with the internal font and vector font. Through the tool bar  to create a barcode object.
- When the 1D barcode object is created, barcode size can be adjusted by the 8 coordinate points.
- Human readable characters could be above, below barcode and hidden.
- Human readable characters could be left, center, right and justified alignment.




### 4.4.2 Using tool bar

- Typeface could be adjusted through the tool bar.



Human readable type face Font size

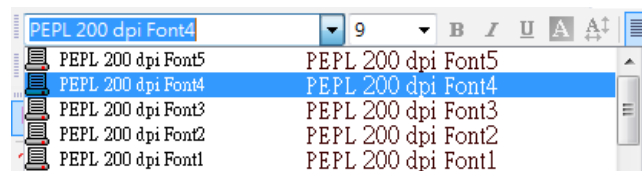
Horizontal Vertical

Item	Description
Typeface	<ul style="list-style-type: none"> <li>➤ It is Human Readable characters font type. Font type could be selected through drop down button .</li> <li>➤ Drop down list will show the font name and sample, as image</li> </ul>


shown.

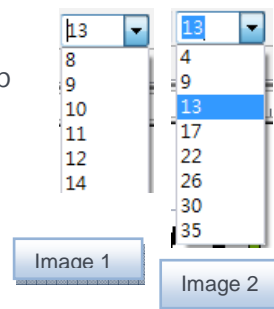


- List will show all the vector and internal fonts.
- Internal fonts are shown on the top of list. It supports only PEPL 200 dpi Font 1~5. Internal font supports ASCII 32~255 and English, numeric and symbols.



**Font size**

- Font size means “Human readable” font size. You could select font size through drop down button  or enter the value directly.
- Font size range is wide for vector font, as images 1 shown.
- There are 8 fonts size for internal font, as “4,9,13,17,22,26,30,35” , as image 2 shown.

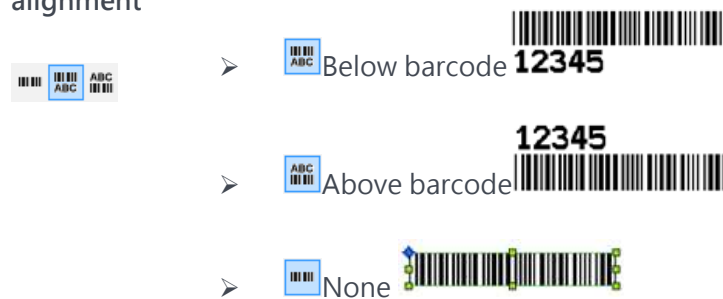


**Bold**

“Human readable” in vector supports Bold function, via **B** button to set it.

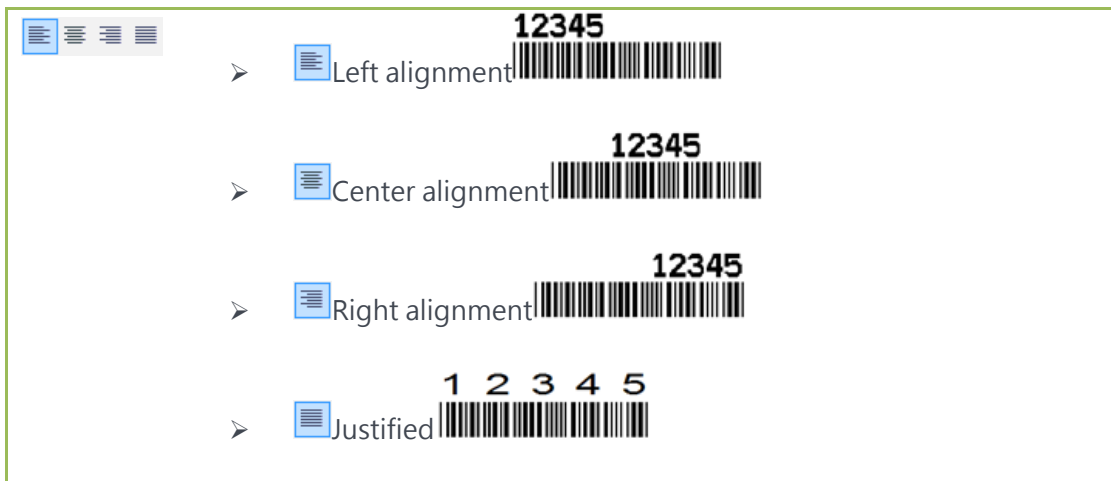
**Vertical alignment**

- Vertical alignment of “ Human readable” could be adjusted. °



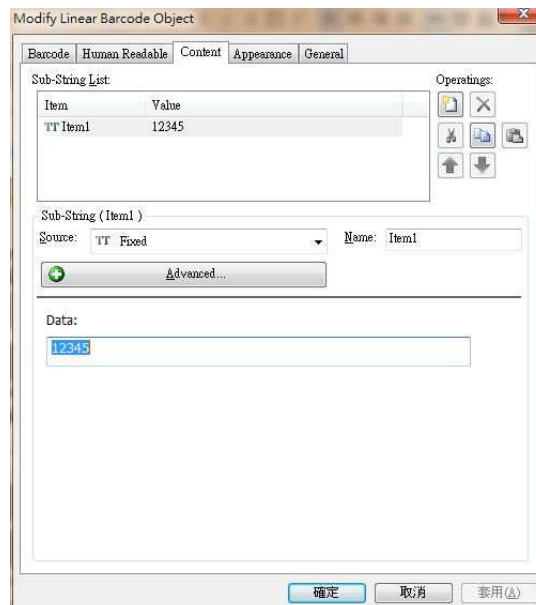
**Horizontal alignment**

- Horizontal alignment of “Human readable” could be adjusted.



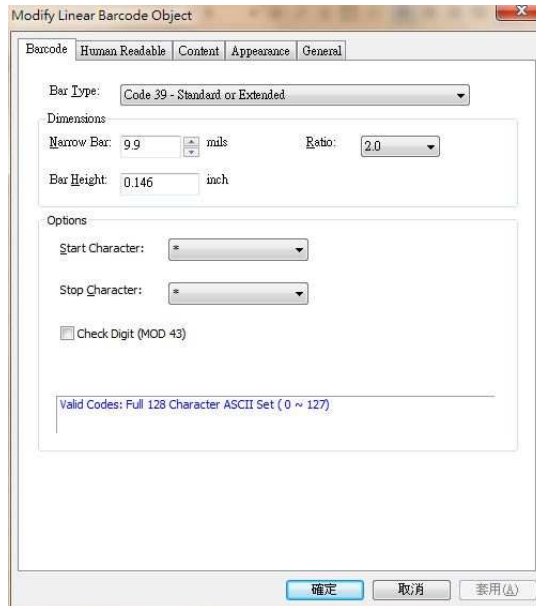
#### 4.4.3 1D barcode source

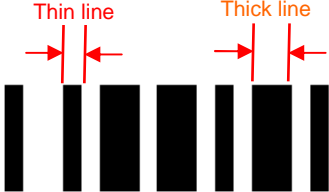
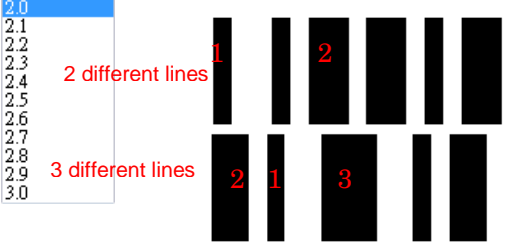
Data could be entered directly from the Content page, or refer to [use of object content](#) to create more sources.



#### 4.4.4 1D specifications

In this page, you could set the barcode specifications. The content page of the barcode setting will be different following different selected barcode. You could also set the barcode narrow bar width, height and ratio.



Item	Description
Bar type	BarDrawer provides Code39, Code93, Code128, Codabar, EAN/JAN-8, EAN/JAN-13, Interleaved 2 of 5, UPC-A, UPC-E
Narrow bar width	<ul style="list-style-type: none"> <li>➤ Means the most thinnest black line width of barcode.</li> <li>➤ Thick line is multiple of thin line, usually, it is 1:2 or 1:2:3.</li> </ul> 
Ratio	<ul style="list-style-type: none"> <li>➤ Means the relationship between black and thick line. If there are only 2 different width line, ratio is from 2.0 ~3.0, as image shown.</li> <li>➤ The ration will be presented automatically if there are 3 different line widths, as image shown.</li> </ul>  <p style="text-align: center;">Ratio: <input type="text" value="AUTO"/></p>
Bar height	Barcode line height
Options	It means the setup of each barcode, each barcode has different setup value, as images





shown.

### Code39

Options

Start Character: \*

Stop Character: \*

Check Digit (MOD 43)

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

### Code93

Options

Check Digit

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

### Code128

Options

Check Digit

Code Set: Auto

Mode:  Standard  UCC/EAN  UCC

  
(12)345

  
(12) 3 4567890 123456789 0

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

### Codabar

Options

Start Character:

Stop Character:

---

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

## EAN/JAN-8

Options

Check Digit

No Lead, Separator, Trailer

Supplementary Length:

None     2 Digit     5 Digit



---

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

## EAN/JAN-13

Options

Check Digit

No Lead, Separator, Trailer

Supplementary Length:

None     2 Digit     5 Digit



---

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

## Interleaved 2 of 5

Options

Check Digit

Human Readable Check Digit Visibility

Bearer Bar (Rectangle)



---

Valid Codes: 0 ~ 9

## UPC-A

Options

Check Digit

No Lead, Separator, Trailer

Supplementary Length:

None     2 Digit     5 Digit

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

### UPC-E

Options

Check Digit

No Lead, Separator, Trailer

Supplementary Length:

None     2 Digit     5 Digit

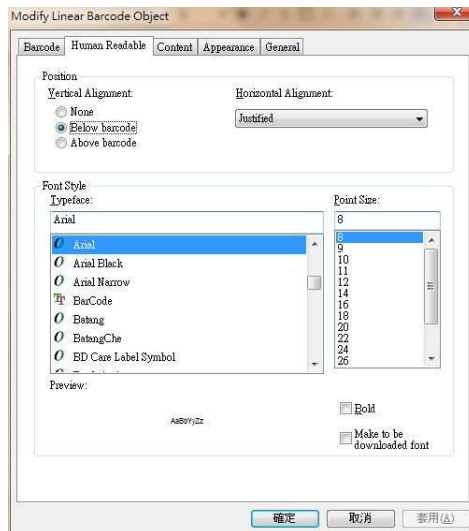
Valid Codes: 0 ~ 9  
Length: 7 digits (6+1)








#### Valid code and length

- The valid code and length will be shown.
- BarDrawer will delete automatically the code when the entering content doesn't match the code.
- BarDrawer will delete automatically the exceeded code when the entering length is too long.
- BarDrawer will add automatically "0" when the entering code is short than specific length.

#### 4.4.5 Human readable font type setup

To setup more font types, position and preview.



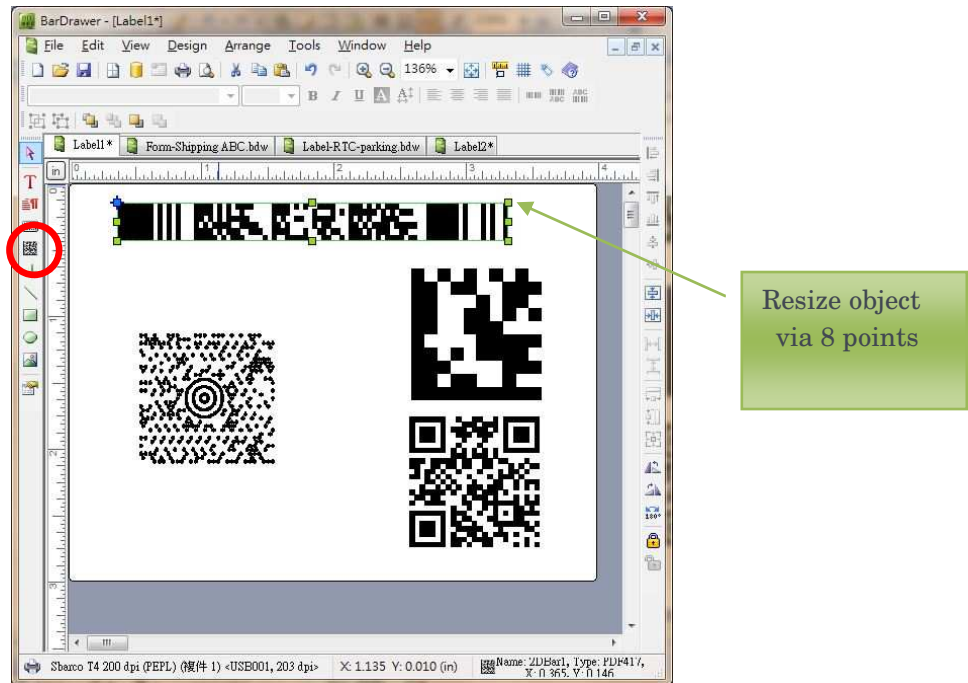
Item	Description
Font style	It means the font of "Human Readable" . Please refer to <a href="#">Using tool bar</a> .
Point size	It means the font size of "Human Readable" . Please refer to <a href="#">Using tool bar</a> .
Bold	It means the Bold function on the "Human Readable" when the vector font is selected.
Vertical alignment	<p>➤ The vertical position of " Human Readable" could be aligned to Below, Above or none.</p> <p>Below  · Above  · None </p>
Horizontal alignment	<p>➤ The horizontal position of " Human Readable" could be aligned to Left, Right, Center and justified.</p> <p>➤ Left  · Center </p> <p>➤ Right  · Justified </p>

## 4.5 Creating a 2D barcode object

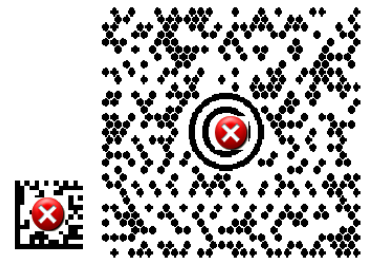
### 4.5.1 How to create

- 2D barcode object means 2 dimension barcode. You could use the icon  in tool bar to create a 2D barcode.

- When 2D barcode object is created, you could adjust the 2D barcode size through the 8 points. MaxiCode doesn't support the adjustment of the size.



- When the content of the 2D barcode doesn't match the specification, the 2D barcode will be shown as the left image. Besides, barcode will not be printed.



## 4.5.2 PDF417 barcode setup

- You could set the PDF417 specifications.
- 2 modes for PDF417: standard and truncated.

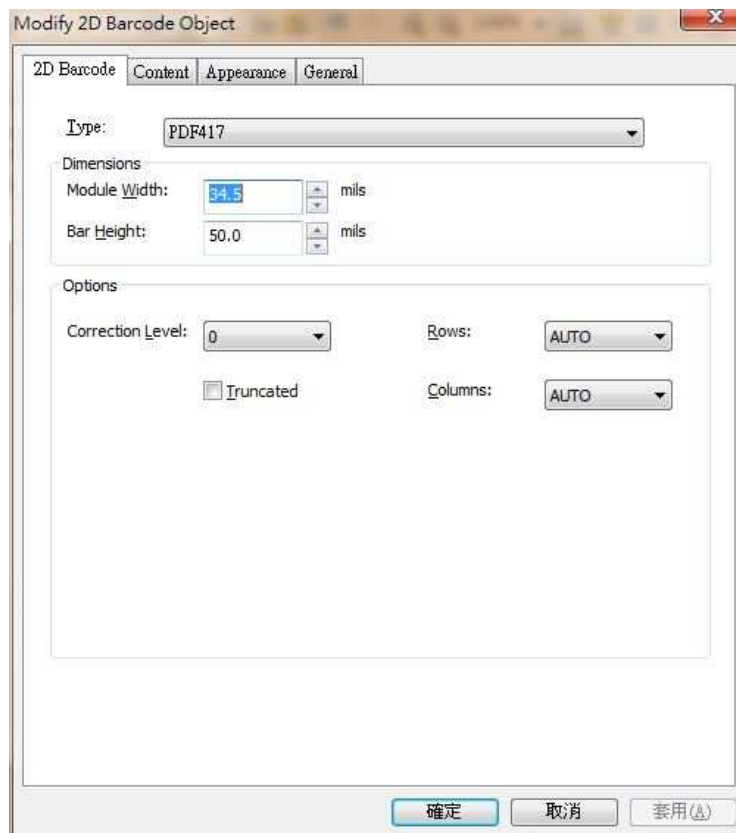


Truncation



Standard

- Value of the barcode will be adjusted automatically or by hand to match the data size.
- Please refer to PDF417 for rest of specifications.



### 4.5.3 DataMatrix barcode Setup

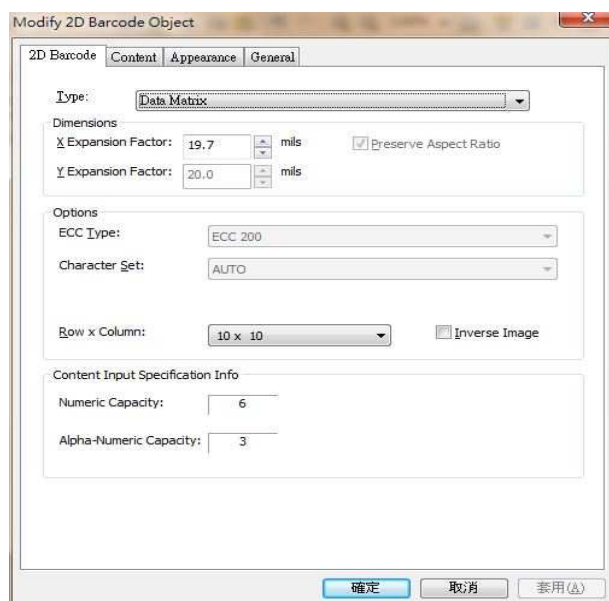
- You could set DataMarix specifications.
- It doesn' t support rotation function for DataMatrix.
- It supports only ECC200 type for DataMatrix. Image size will change following the data size.



- The value of row and column needs to adjust by hand to match the data size.
- Inverse image function is added in BarDrawer.



- Content Input Specification info can let user know the limitation of input data. When input data exceeds the limitation, barcode will not be shown. The content will be changed following row x column.
- Please refer to the DataMatrix specification for the rest.

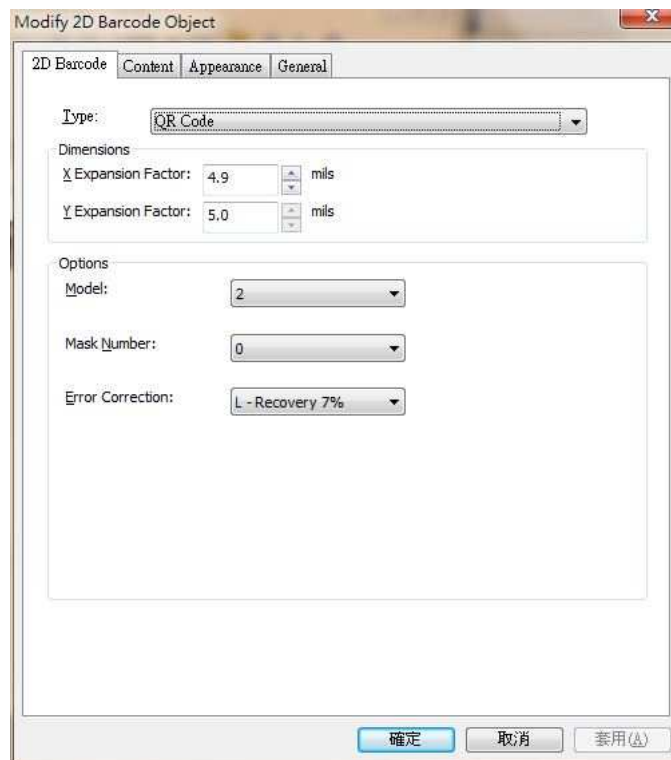


#### 4.5.4 QR code setup

- User can setup QR code specification.
- The level of Error correction in BarDrawer supports L-Recovery 7%, M-Recovery 15%, Q-Recovery 25%, H-Recovery 30%. Please refer to the following images.



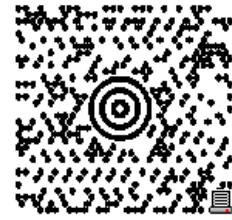
- The mode supports 1 and 2.
- Mask number supports 0 ~ 7.
- Please refer to QR code specification for the rest.





#### 4.5.5 MaxiCode setup

- User can setup MaxiCode specification.
- Mode support Automatic selection mode 2 or 3.
- User has to input 3-digit number in Service class.
- User has to input 3-digit country zip code.
- User has to input 5~9 digit field in postal code.
- Remake content can catch string in the data field and preview created data in content page.
- Please refer to MaxiCode specification for the rest.



Modify 2D Barcode Object

2D Barcode **Content** Appearance General

Type: MaxiCode

---

Format: Normal

Primary Message

Mode: Automatic Selection Mode 2 or 3

Class of Service: 3-digit Numeric.

Country Zip Code: 3-digit Numeric.

Postal Code: One 5 or 9 Digit Field

- “Secondary Me...” means the rest of data.
- Please follow the specification to enter the data.

Modify 2D Barcode Object

2D Barcode Content Appearance General

Sub-String List

Item	Value
TT Class of Service	300
TT Country Code	840
TT Postal Code	123456789
TT Secondary Me...	Mexico Message

Operations:

Sub-String (Class of Service)

Source: TT Fixed Name: Class of Service

Advanced...

Data:

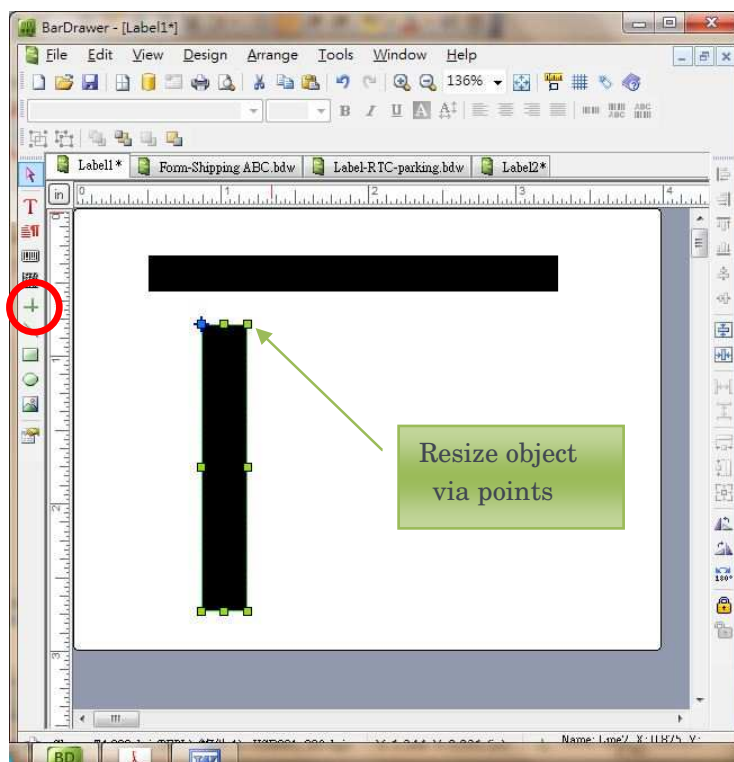
300

確定 取消 套用 (A)

## 4.6 Creating a Line object

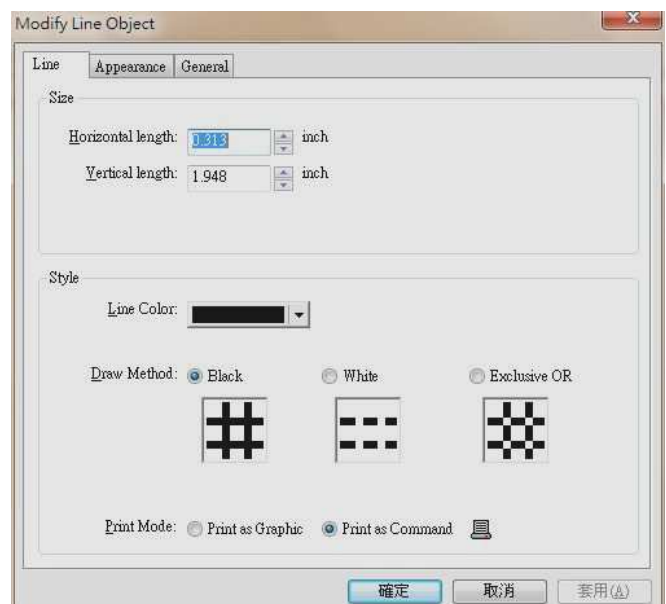
### 4.6.1 How to create

- Line object is a solid line, can be horizontal line, vertical line or solid square. Use **+** button on tool bar to create a line object.
- There are 2 print mode for line: "Print as graphic" and "Print as command".
- There are 8 points to adjust the line object size or enter to properties dialogue to adjust line object size.



### 4.6.2 Print as command in Line object

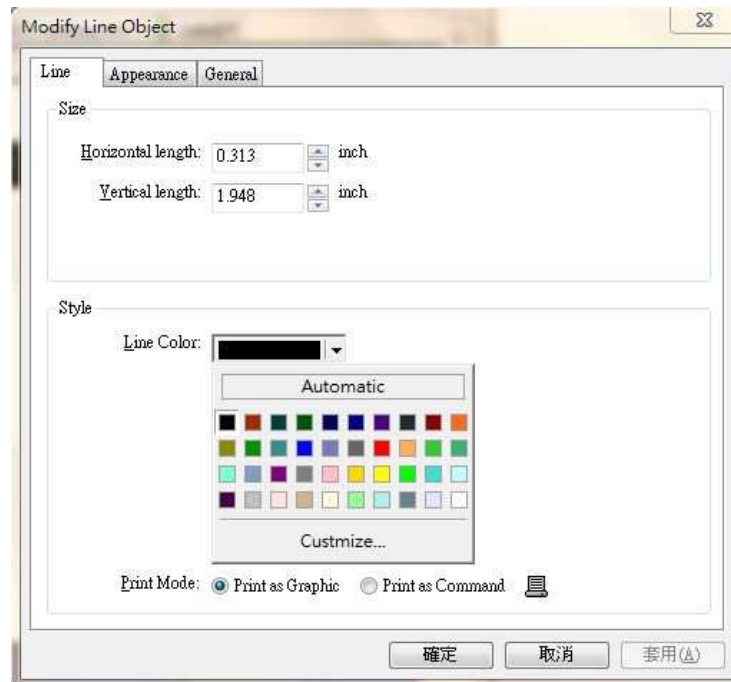
- "Print as command" is factory default, it cannot set the line color.
- The black line in draw mode is output in black line and will overwrite the image.
- The white line in draw mode is output in white line and will overwrite the image.
- Exclusive or mode will overwrite the black color image with white line.



- The output size is small cause it is printed in command mode.


#### 4.6.3 Print as graphic in Line object

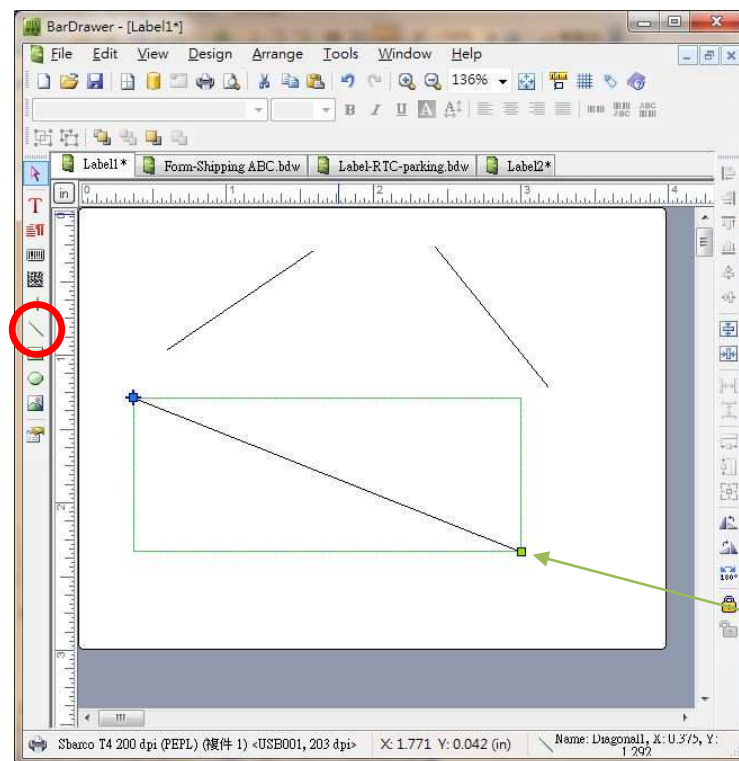
- "Print as graphic" means to print in graphic mode, the file size is big.
- Line color can be set, but no black color is printed in diffusion.



## 4.7 Creating a Diagonal object

### 4.7.1 How to create

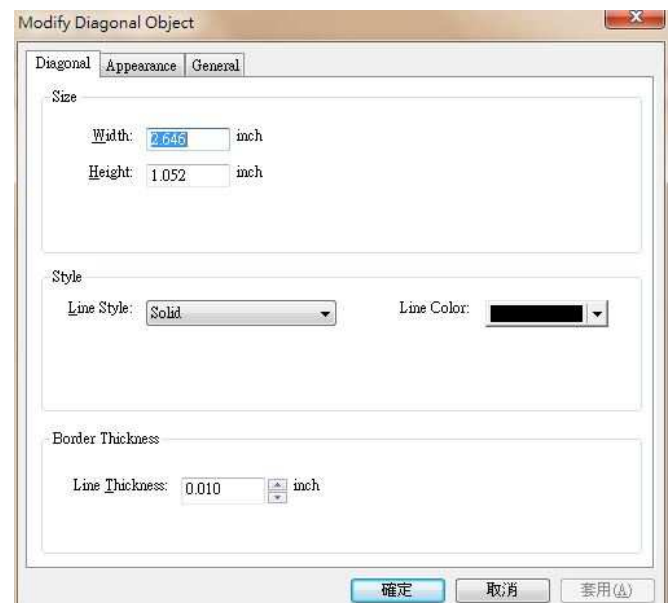
- Diagonal object can be any direction, can be created through the button  in tool bar.
- 3 different line styles: Solid, Dashed and dotted.
- Diagonal object size could be adjusted through 2 green points or enter the value in properties.



Resize object  
via 2 points


### 4.7.2 Style setup in Diagonal object

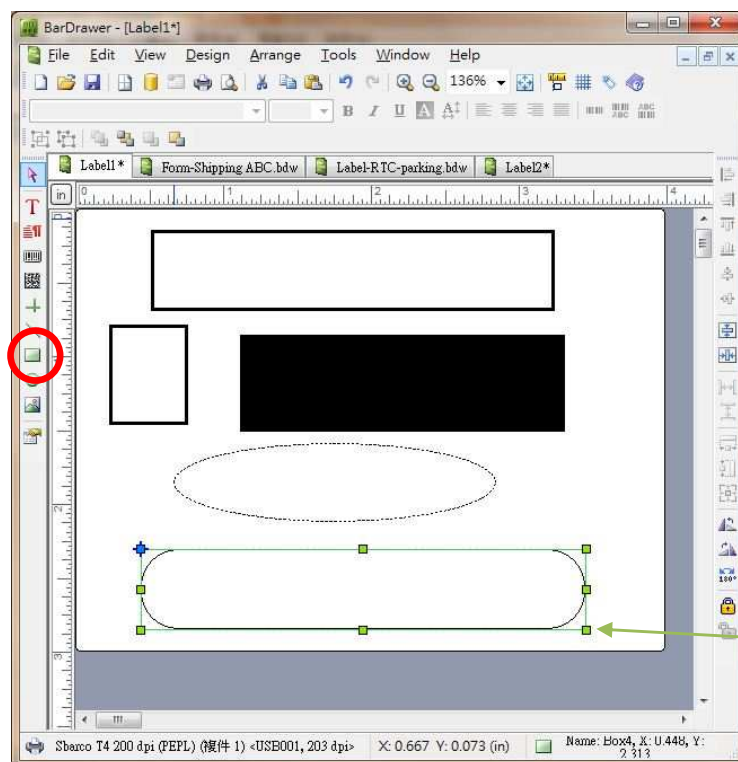
- Size, color, style and border thickness can be setup.
- Oblique line is printed in image, the file size is bigger.
- Line color can be selected, but the non-black color is printed in diffusion.
- There are 3 different line styles: solid, dashed and dotted.



## 4.8 Creating a Box object

### 4.8.1 How to create

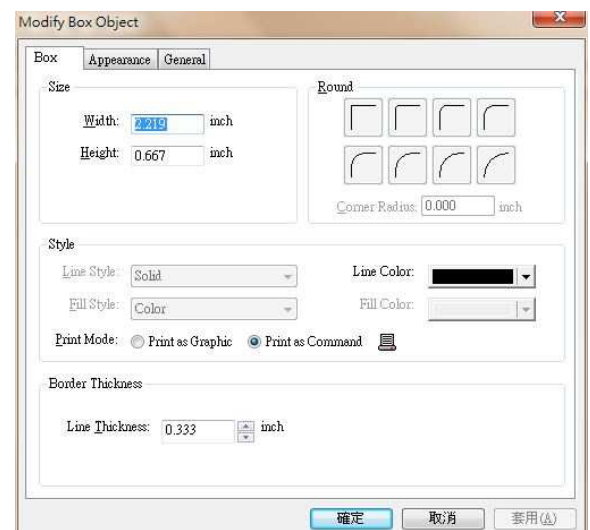
- Box object can be solid, hollow or round square; box line can be solid, dashed or dotted line. Box object could be created through the  button in tool bar.
- 2 different print modes for box object: Graphic and command.
- There are 8 green points to adjust the box size or to enter the value in properties to adjust the size.



Resize object  
via 8 points

### 4.8.2 Box object Print as command

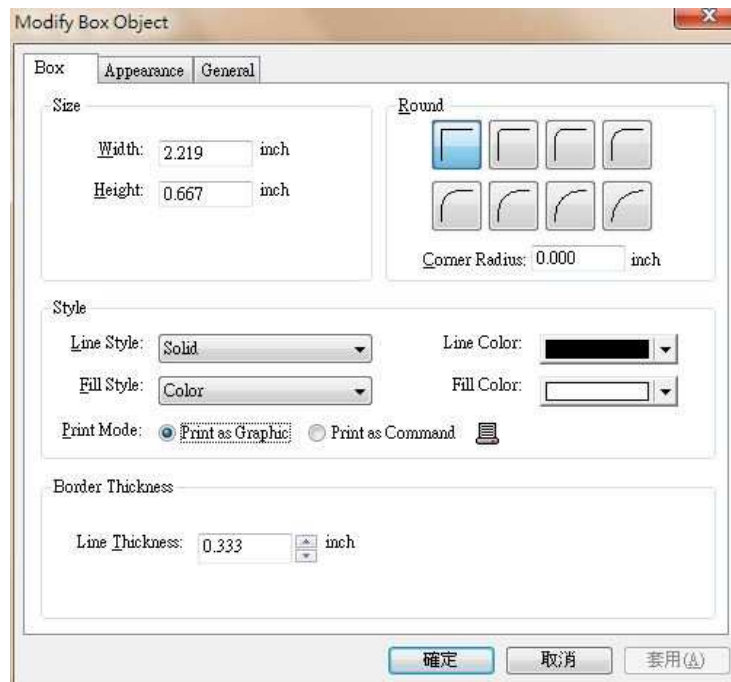
- "Print as command" doesn't support style, color and round functions, but border thickness and size functions.
- The file size is smaller in "Print as command".



### 4.8.3 Box object Print as graphic


- "Print as graphic" means to print in graphic, file size is bigger.

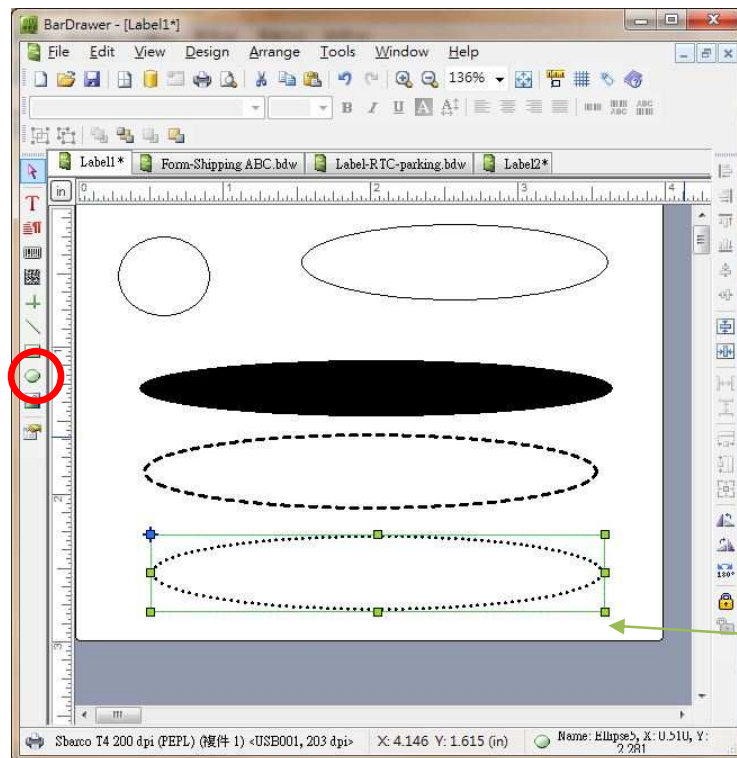
- It supports line color setup, non black color is printed in diffusion.
- Line style supports Solid, Dashed and Dotted.
- Full color can paint the selected color in box object.
- It supports line thickness and size setup.
- It supports corner radius set up by provides buttons (as images shown) or by the entering radius value.



## 4.9 Creating a Ellipse object

### 4.9.1 How to create

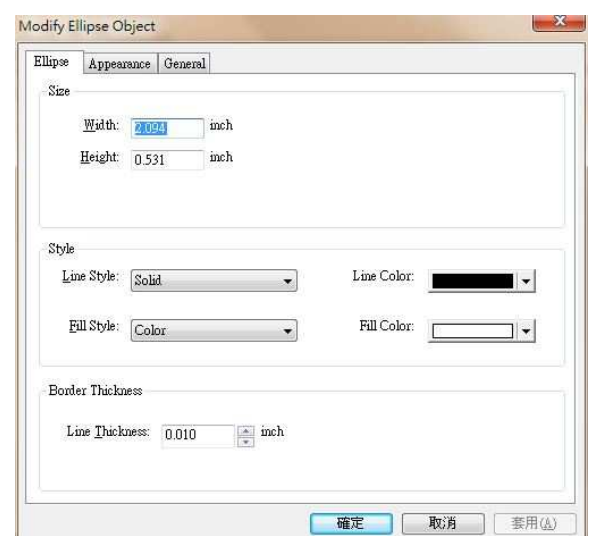
- Ellipse could be solid or hollow, line could be solid, dashed or dotted. Ellipse object could be created by the button  in tool bar.
- There are 8 green points to adjust the box size or to enter the value in properties to adjust the size.



Resize the object via 8 points.

### 4.9.2 Ellipse object setup


- Ellipse size, color, style and border thickness could be setup.
- Ellipse is printed as graphic, the file size is bigger.
- It supports line color setup, non black color is printed in diffusion.
- Full color can paint the selected color in ellipse object.
- Line style supports Solid, Dashed and Dotted.

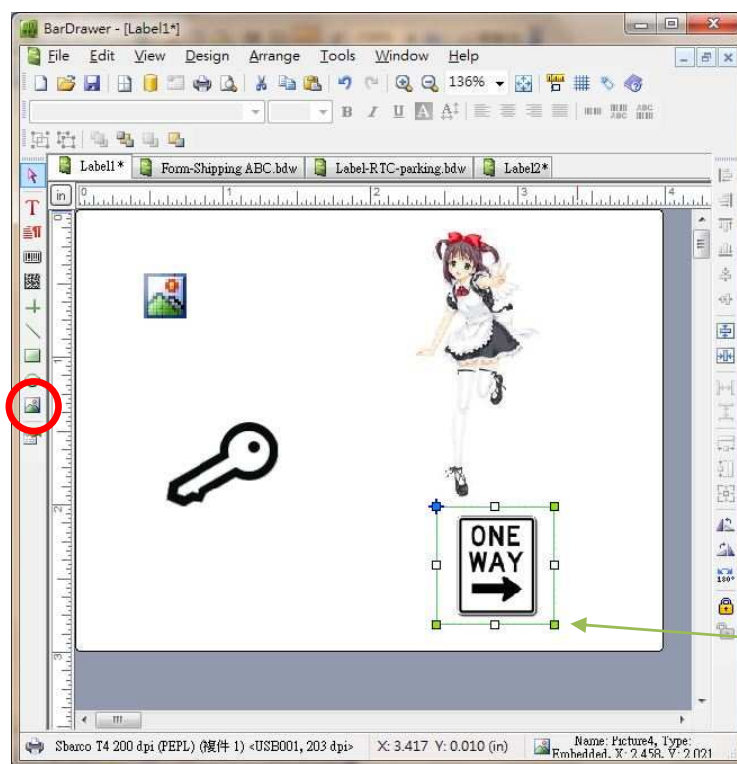




## 4.10 Creating a Picture object

### 4.10.1 How to create

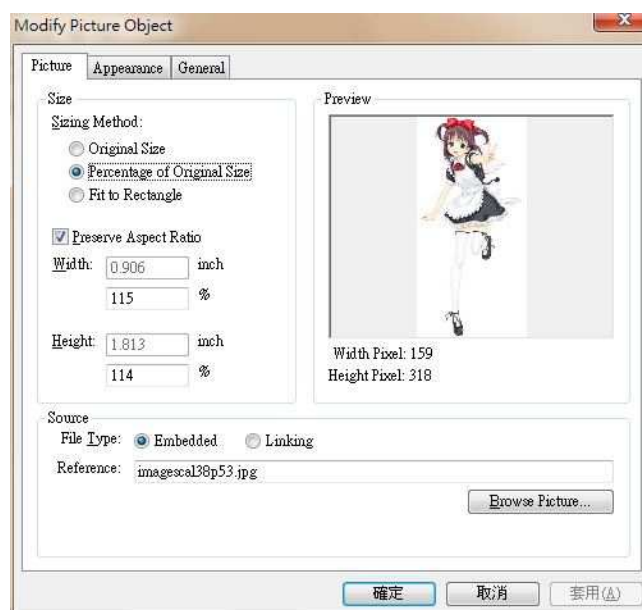
- Picture object could be created through the  button in the tool bar.
- Size could be adjusted by the green points to resize the object.
- The picture source supports BMP, DIB, GIF, ICO, JIF, JPEG, JPG, PCX, PNG, TIF, TIFF.
- Picture size could be adjusted by Original size, Percentage of original size and Fit to Rectangle.
- Type of file source can be “Embedded” or “Linking” to save picture.



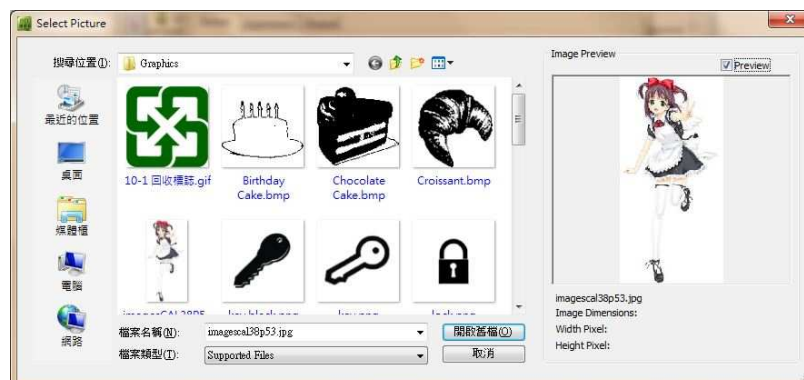
Resize object  
via 8 points

#### 4.10.2 Picture setup

- Sizing method includes Original size, Percentage of original size and Fit to rectangle.
- When “Percentage of original size” is selected, the picture size will be adjusted by width and length ratio.
- Picture will be saved in the label if the file type source is embedded.
- Picture file will not be saved and needs to be save together with the file if the file type source is linking.
- Picture preview can let user know which picture is being used.



- Select Browse picture button, a dialogue box as image shown will appear to select picture.

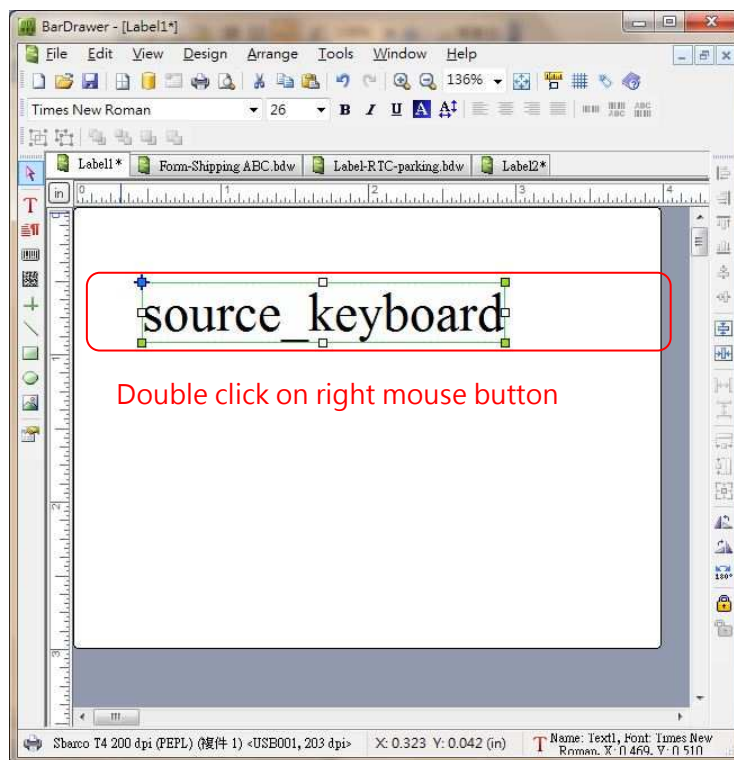


## 5. OBJECTS CONTENT

- Objects content is combined by the strings. User can select different string items by needs.
- Sub-strings include Fixed, keyboard input...etc.
- Every string could be setup, as truncation...etc.

### 5.1 How to setup data source

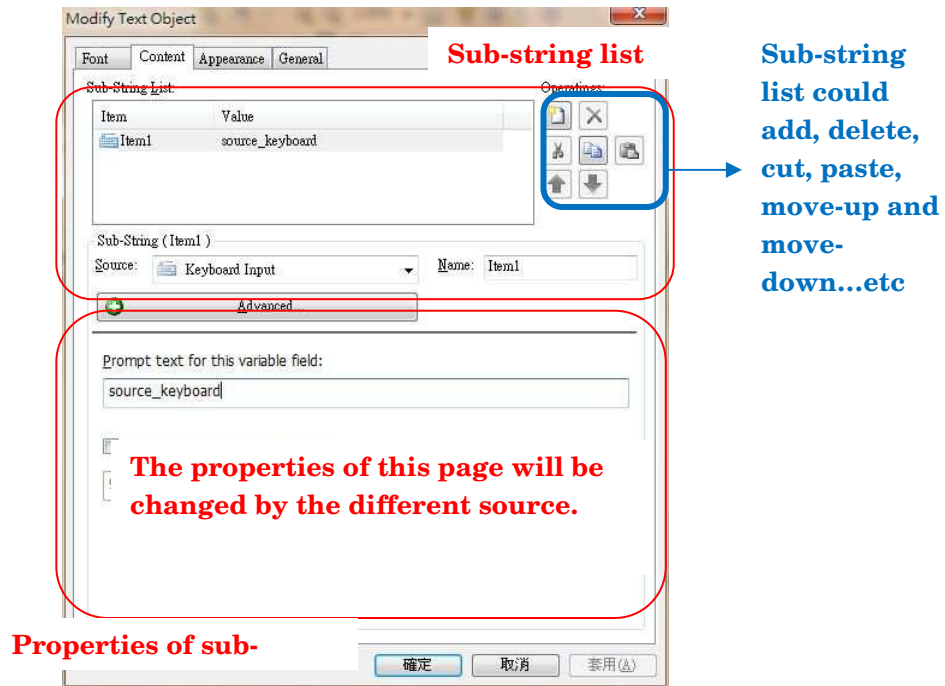
- After creating an object, double click on the left button of the mouse or Design\Object properties or click on right button of the mouse to enter the object properties.



### 5.2 Object properties content

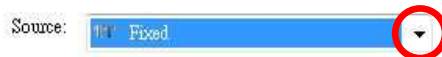
- Content page shows the data source.
- Content page will be shown on Text, Paragraph, 1D and 2D barcode objects.

- There are 2 parts in content page: Sub-string list and Sub-string data.
- Sub-string list provides function to add and delete string items, adjust strings order, copy and delete strings, and advanced setup.
- When the item is selected in the list, the right side image will show the necessary buttons ; the data page on the bottom will show the proper page of the item.

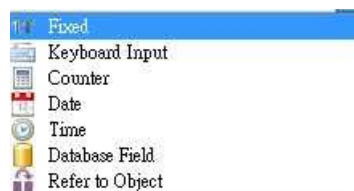


### 5.3 Object source presentation

- When you click the drop down button, as image shown, the item in the list will be different from the selected label or form. Database function doesn' t support the form.



- Drop-down list, as image shown :



	Supporting items in label	Supporting items in Form
Text	Fixed, keyboard input, Counter, Date, Time,	Fixed, keyboard input, Counter, Date, Time, Refer to

	Database, Refer to object	object
Paragraph	Fixed	Fixed
1D barcode	Fixed, keyboard input, Counter, Date, Time, Database, Refer to object	Fixed, keyboard input, Counter, Date, Time, Refer to object
2D barcode	Fixed	Fixed

- As example shown, it creates 3 sub-strings, fixed, keyboard input and date.

Item	Value
TT Item2	Text
Item1	source_keyboard
Item3	01/10/12

- After pressing OK button, the text object in the edit field becomes as image shown:

Textsource\_keyboard01/10/12

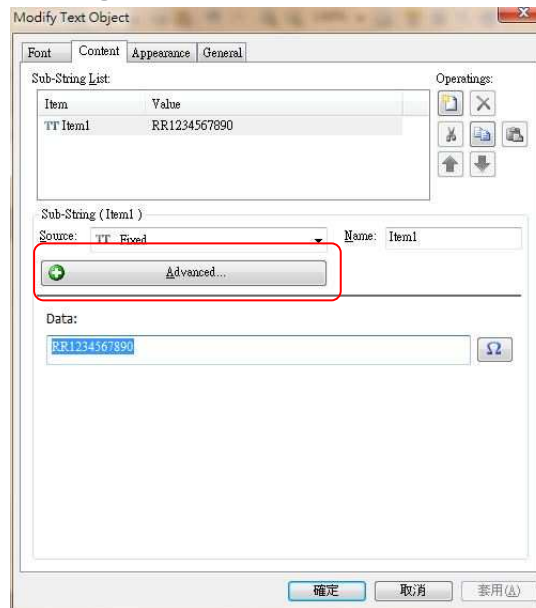
- Sub-string name will be numbered from item 1, user can modify it, but the item name cannot be repeated.

Variables		
Order	Prompt Text	Object Name
1	COMMODITY	Item1
2	MODEL NO.	Item1
3	QUANTITY	Item1

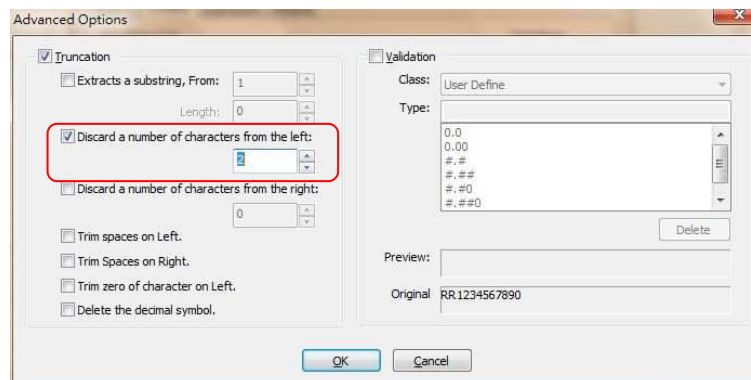
## 5.4 Object source Advanced setup

- Advanced setup function is disabled in factory default.

- Clicking the Advanced button to enter the setup dialogue box.

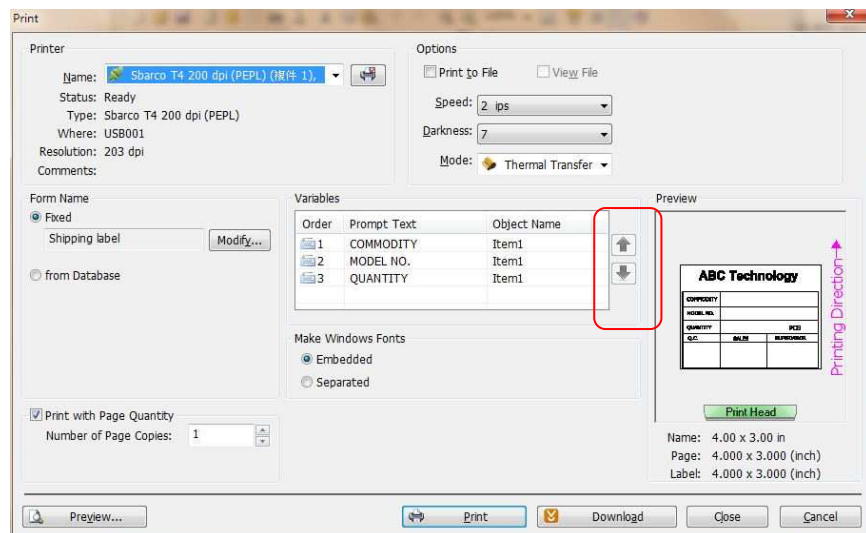


- Advanced setup provides truncating function. For example, truncate 2 characters from the left, the original R1234567890 becomes 1234567890.

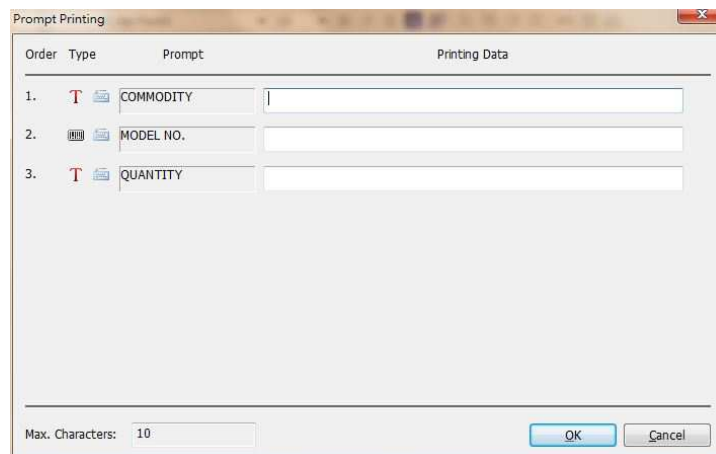


## 5.5 Entering and arranging Data

- After setting up the data source, Bardarwer will show a dialogue box before printing to enter the variable initial value. If it download the form , the dialogue box will not be shown.
- Make sure the entering order. Press Up and Down button to adjust the entering order.



- Prompt printing dialogue box will list and ask to enter the variable data. On left side, it shows the variable type and prompt name. The max. entering characters is shown on the bottom.



## 5.6 Fixed data source

- It provides the fixed string. Enter the necessary data in this field. ◦

## 5.7 Keyboard input

- Keyboard input supports label print and form making. The data could be input through keyboard, keypad or scanner.



- The exceed data will be deleted if max. number of character is entered.
- Horizontal alignment means when data is entered, printer will align to left, center and right to print out the data following the max. length. When this option is not selected, it will print it out to right direct following the pointed coordinate.
- "Prompt text" will be shown on the LCD monitor to ask the user to enter variable data, as images shown in red mark.

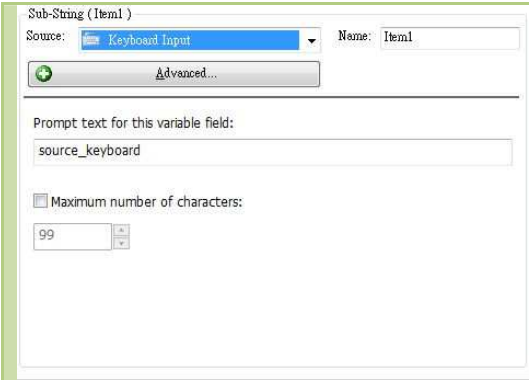
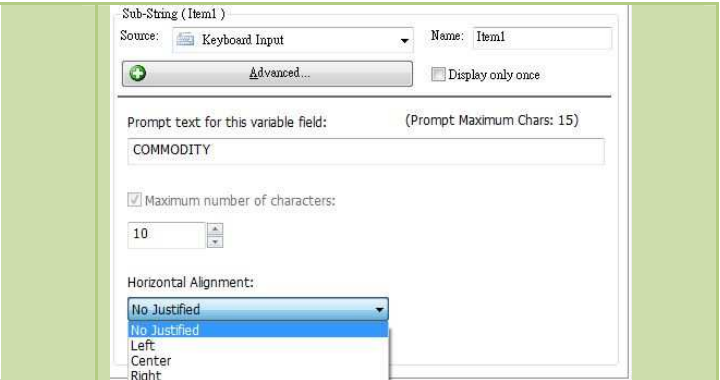


- Supporting items :

Supporting items in label

Supporting items in form



	
Doesn't support horizontal alignment	It supports printer internal fonts PEPL 200 dpi Font1 ~5, ASCII 32~255 · English, numeric and symbols.

## 5.8 Counter

- It provides the serial number function for each label.
- When serial number is variable, printing dialogue box will show “Number of page sets” . If there not variable data to enter, only “Number of page copies” be shown.
- It provides decimal 0~9 digits, ASCII Alphanumeric (based on 26 positional notation A~Z or a~z).
- It provides Increment and decrement steps. For example Increment “ 1,2,3,4,5” , decrement “ 5,4,3,2,1” .
- Counter is available only in the max. character length.
- “Update data after print” means to update to last printed serial number after printing.
- “Horizontal alignment ” means printer will align to left, center and right follow the max. characters length after data is entered. When this option is not selected, printer will print to right direction from the assigned coordinate.
- “Prompt text” will show on the LCD monitor to ask user to enter the data, as image shown in red mark.



- Supporting items :

Supporting items in label	Supporting items in form
Doesn' t support “Horizontal alignment”	Doesn' t support “Update data after print”

and "Prompt text" .

Support only internal font PEPL 200 dpi Font1

~5

## 5.9 Date

- It will show the date from the PC or RTC in printer.
- BarDrawer provides different date formats, which are shown in drop down list.
- BarDrawer provides also the date offset function , which could applied in expiry date.
- Supporting items:

### Supporting items in label

Sub-String (Item1)

Source: Date Name: Item1

Advanced...

Date Format:  
01/10/12 (Day/Month/Year)

Date Offset:  
0 Days 0 Months 0 Years

Preview:  
01/10/12

01/10/12 (Day/Month/Year)  
01-10-12 (Day-Month-Year)  
01.10.12 (Day-Month-Year)  
01.10.2012 (Day-Month-Year:4 digits)  
01102012 (Day + Month + Year:4 digits)  
10/01/12 (Month/Day/Year)  
10/01/2012 (Month/Day/Year:4 digits)  
10-01-12 (Month-Day-Year)  
10-01-2012 (Month-Day-Year:4 digits)  
10.01.12 (Month.Day-Year)  
10.01.2012 (Month.Day-Year:4 digits)  
1012 (Month + Year)  
12/10/01 (Year/Month/Day)  
12-10-01 (Year-Month-Day)  
12.10.01 (Year.Month.Day)  
121001 (Year + Month + Day)  
20121001 (Year:4 digits + Month + Day)  
121000 (Year + Month + 00)  
2012/10/01 (Year:4 digits/Month/Day)  
2012-10-01 (Year:4 digits-Month-Day)  
2012.10.01 (Year:4 digits.Month.Day)  
01 (Day: 2 digits)  
1 (Day: 1-2 digits)  
10 (Month: 2 digits)  
10 (Month: 1-2 digits)  
October (Month:full)  
Oct (Month:abbreviated)  
12 (Year: 2 digits)  
12 (Year: 1-2 digits)  
October 01, 2012 (Month:full Day, Year:4 digits)

### Supporting items in form

Sub-String (Item1)

Source: Date Name: Item1

Date Format:  
01/10/12 (Day/Month/Year)

Date Offset:  
0 Days

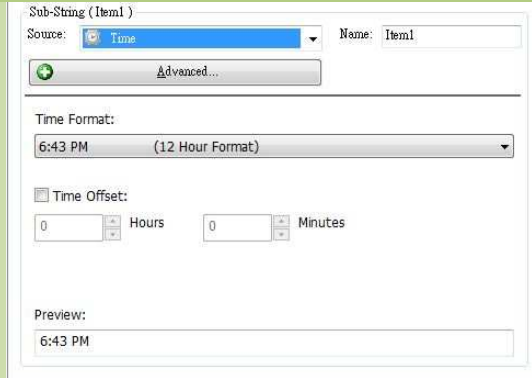
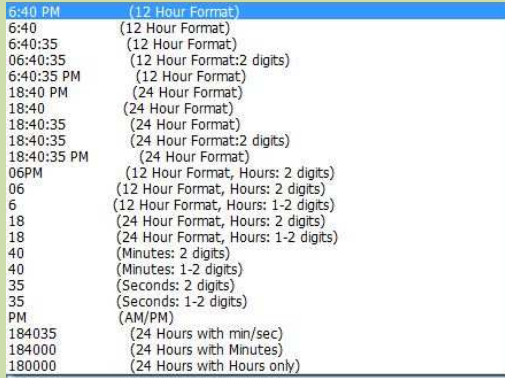
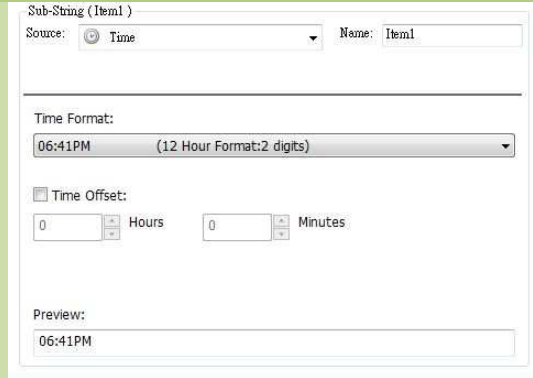
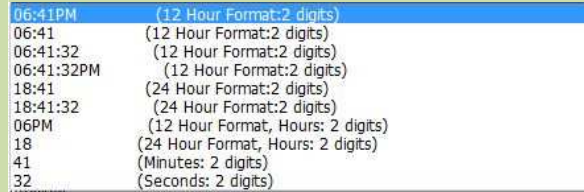
Preview:  
01/10/12

02/09/11 (日/月/年)  
02-09-11 (日-月-年)  
02.09.11 (日.月.年)  
02.09.2011 (日.月.年:4位數)  
09/02/11 (月/日/年)  
09/02/2011 (月/日/年:4位數)  
09-02-11 (月-日-年)  
09-02-2011 (月-日-年:4位數)  
09.02.11 (月.日.年)  
09.02.2011 (月.日.年:4位數)  
11/09/02 (年/月/日)  
11-09-02 (年-月-日)  
11.09.02 (年.月.日)  
2011/09/02 (年:4位數/月/日)  
2011-09-02 (年:4位數-月-日)  
2011.09.02 (年:4位數.月.日)  
02 (日:2位數)  
09 (月:2位數)  
Sep (月:縮寫)  
11 (年:2位數)  
02 09.2011 (日 月.年:4位數)  
02-Sep-11 (日-月.縮寫-年)  
09,11 (月.年)  
Sep,11 (月.縮寫,年)  
245 (太陽日:3位數)  
245 (太陽日:1-3位數)  
2452011 (太陽日:3位數 + 年:4位數)

<pre>Monday, 01 10, 2012 (Weekday, Day Month, Year:4 digits) 01 10,2012 (Day Month,Year:4 digits) 01-Oct-12 (Day-Month:abbreviated-Year) 10,12 (Month,Year) Oct,12 (Month:abbreviated,Year) 1 (Weekday: 0 - 6; Sunday is 0) Monday (Weekday) 40 (Week of Year: Sunday as first day of week 00-53) 40 (Week of Year: Sunday as first day of week 0-53) 40 (Week of Year: Monday as first day of week 00-53) 40 (Week of Year: Monday as first day of week 0-53) 275 (Julian Calendar:3 Digits) 275 (Julian Calendar:1-3 Digits) 2752012 (Julian Calendar:3 Digits + Year:4 digits) 275402012 (Julian:3 Digits + Week:Monday00-53 + Year:4 digits)</pre>	
Support all date format	Support limited date form and date offset.  Support internal font PEPL 200 dpi Font1 ~5

## 5.10 Time

- It shows the time from PC or RTC in printer.
- It provides different time formats, it is shown in the drop down list.
- BarDrawer provides time offset function.
- Supporting modes:

Supporting item in label	Supporting item in form
 	 
Support all date and time offset function.	Support limited time format  Support 5 internal font PEPL 200 dpi Font1 ~5

## 5.11 Database

- BarDrawer supports only Label Print. Please refer to [Database linking setup and use](#)
- When database is loaded, Field name in content page will show all the field name to let user to select. Prompt text will change following the different selected field.
- The Max. Character length will limit the entered data, the exceed data will be deleted.
- Prompt text will change following the selected field or entered by users. When OK button is pressed, the object data will show it as a prompt text.

Field: 產品1.Product Name

Sub-String (Item1)

Source: Database Field Name: Item1

Advanced...

Database: Access database  
Table: 產品1

Field Name: Product Name

Max. Characters: 255

Prompt Text: Field: 產品1.Product Name

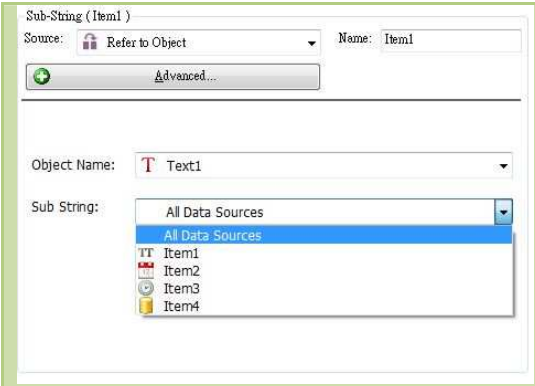
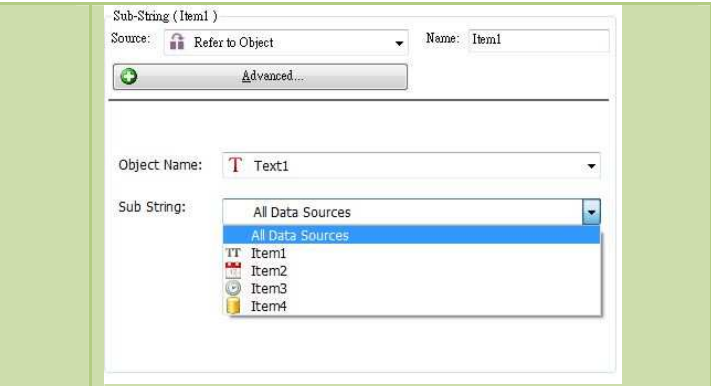
Database Setup...

## 5.12 Refer to Object

- This function could refer to other objects of sub-strings as the data source.
- "All data sources" means to refer to all the sub-strings as the data sources.


Supporting items in label

Supporting item in form

	
Support "All data sources" or single sub-string.	Support only single sub-string and internal font PEPL 200 dpi Font1 ~5

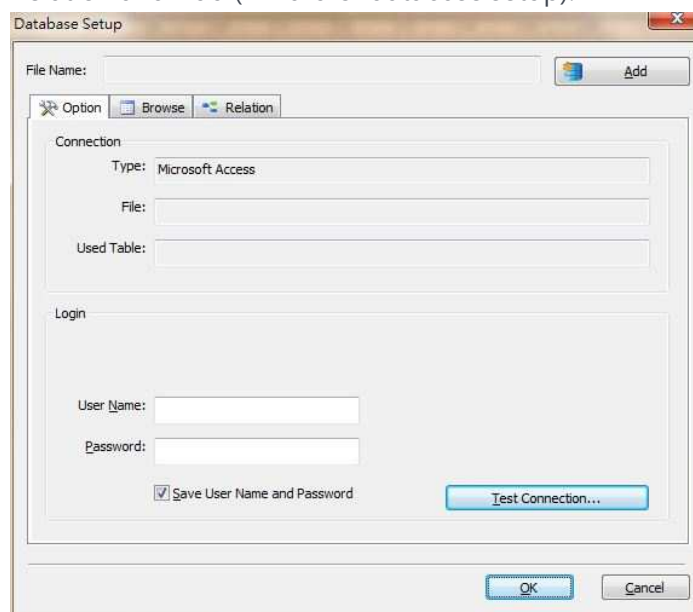
## 6. DATABASE LINKING

### 6.1 How to use database to print

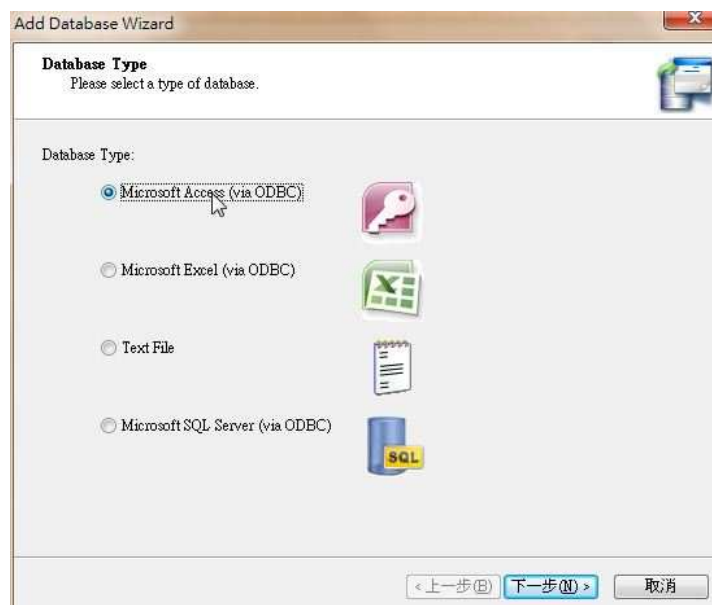
- 1.It supports only Label print mode.
- 2.Firstly, select “File\Database setup” in main bar or press the icon  on the main tool bar to add the database. One label supports one database.



- 3.Dialogue box in database setup has the pages of Options, Browse, Relation and Add (Wizard of database setup).

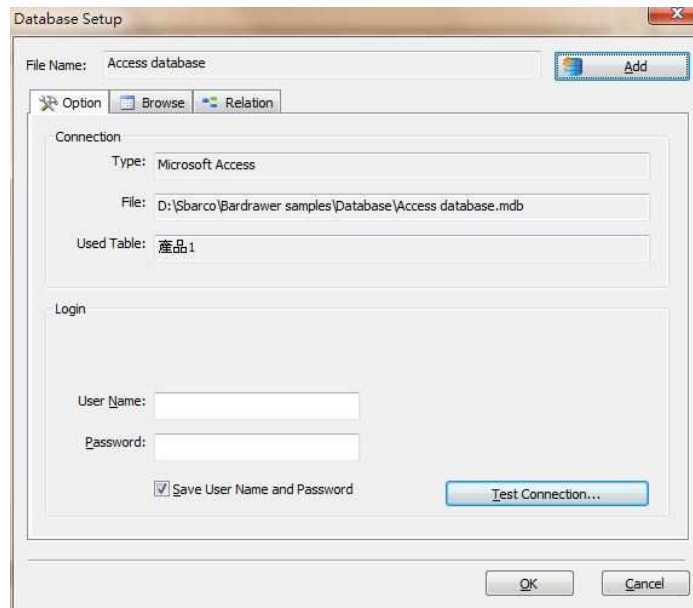


- 4.After pressing “Add” button, Add Database Wizard will show to set up the database.



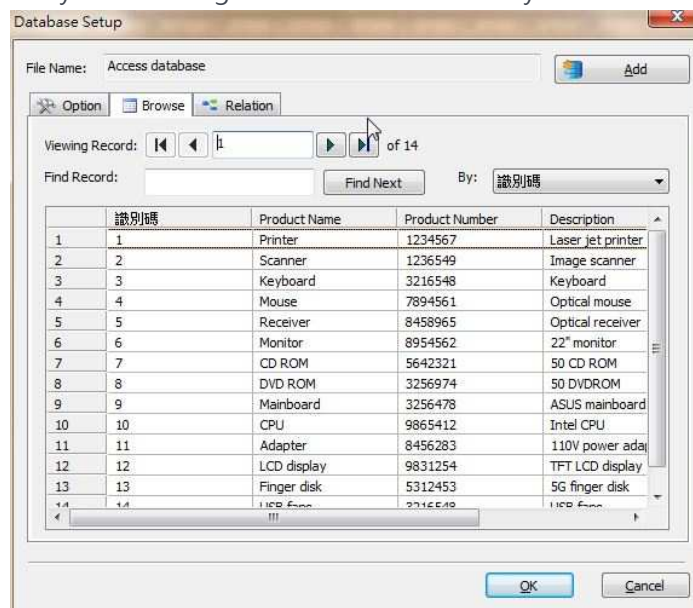


5. After adding the database via Wizard, it will load all the data to the database.

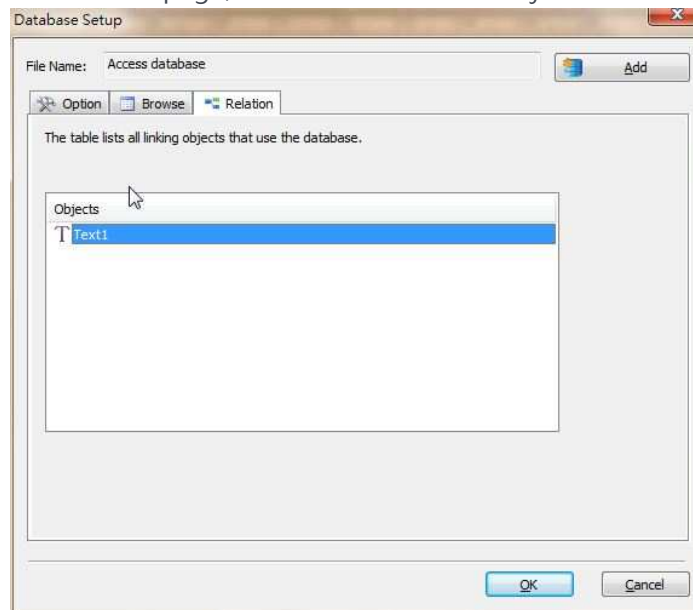


6. Select Browse page to preview the content of the database.

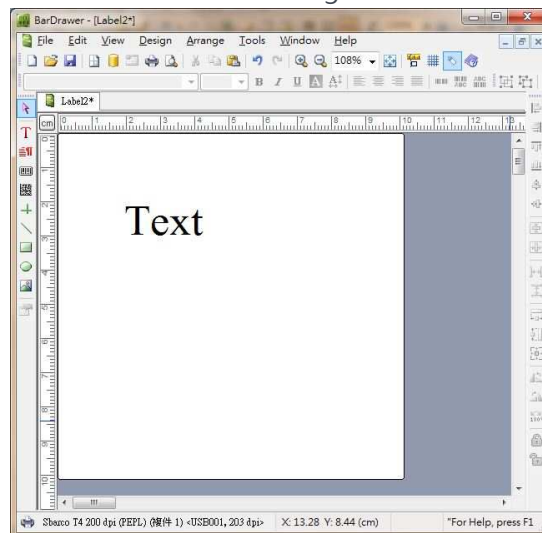
- Through Browse, you could check every record. You could also enter the record number to find the exact record.
- Through Find Record, you could find the relative key string by selecting different fields.
- "By" could assign the filed as relative key field



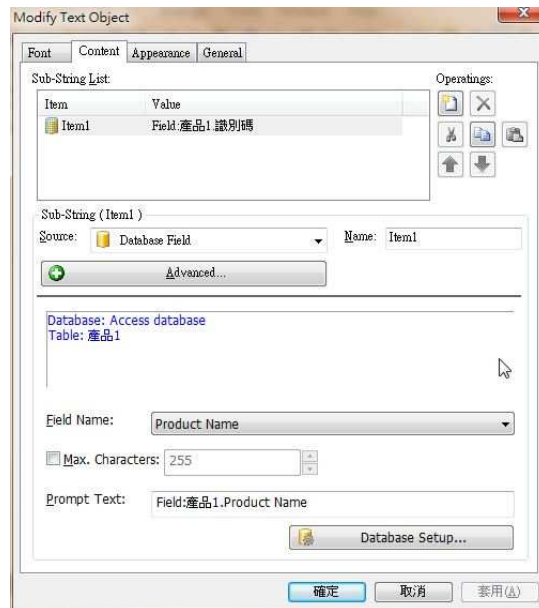
7. In the Relation page, it will list the relative objects.



8. Create a text or barcode object and enter to the object properties. Select the Database in sub-string as source to start the database function.



9. In the content page of the object, set the source of item 1 sub-string as Database field and press OK. Please refer to the [Database source](#).



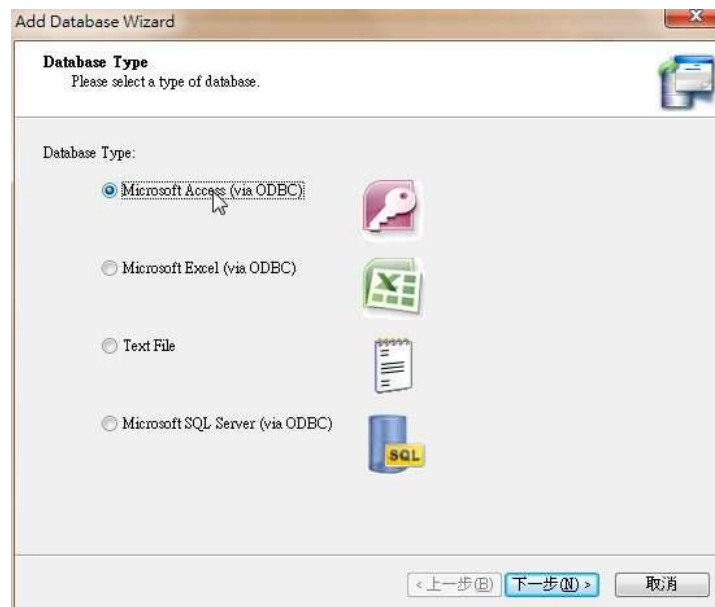
10. After setting, you could see the object name changed to prompt text.



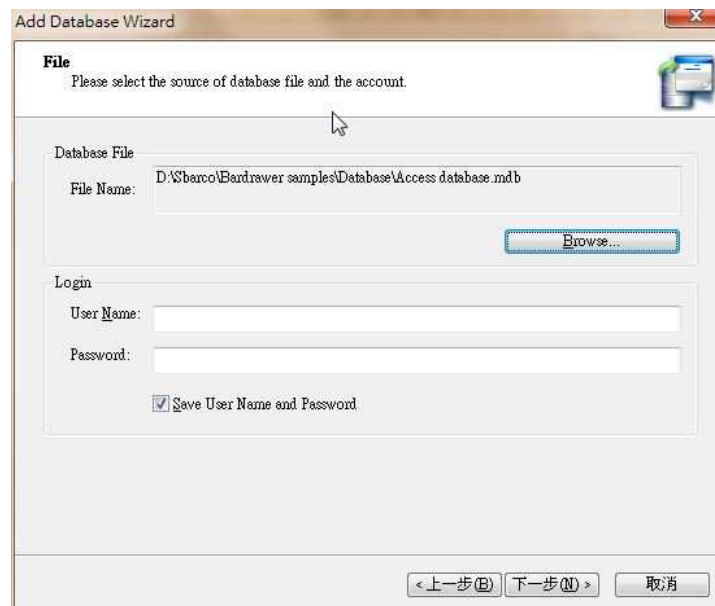
## 6.2 How to set database

### 6.2.1 How to link Microsoft Access database (\*.mdb)

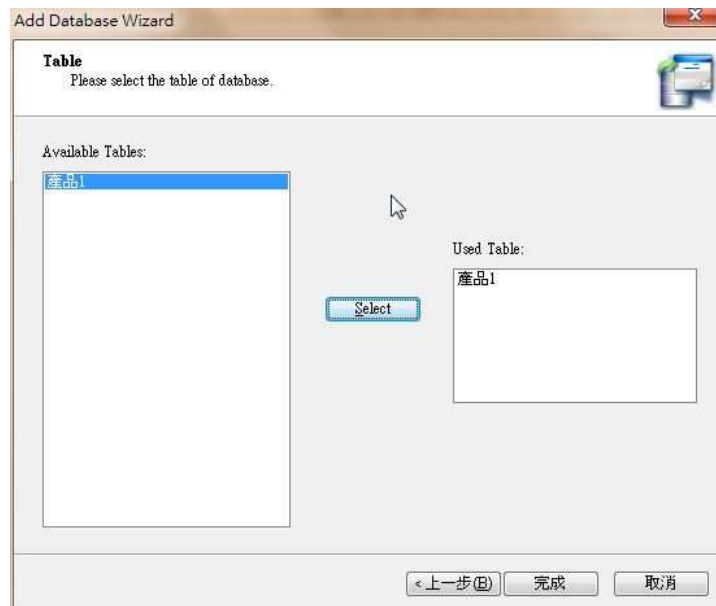
- Select "Microsoft Access (via ODBC)" in Add Database Wizard, press Next button.



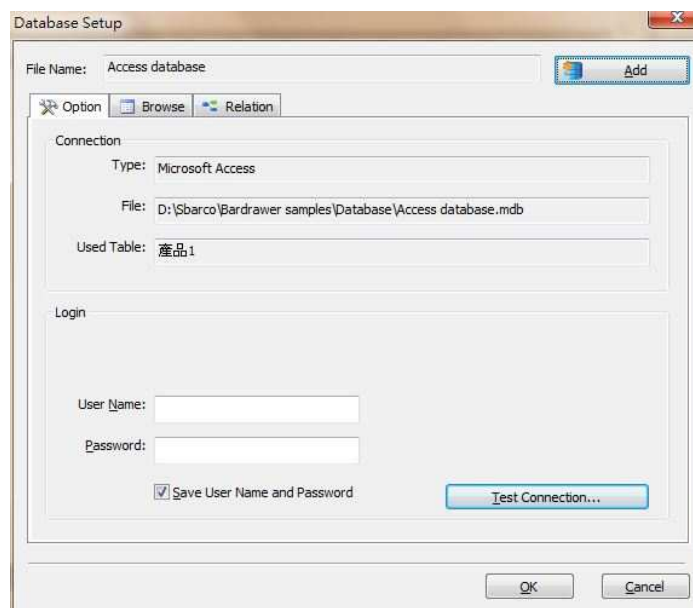
- Press Browse to select \*.mdb file, press Next.



- Select the available table and press OK to finish Wizard.

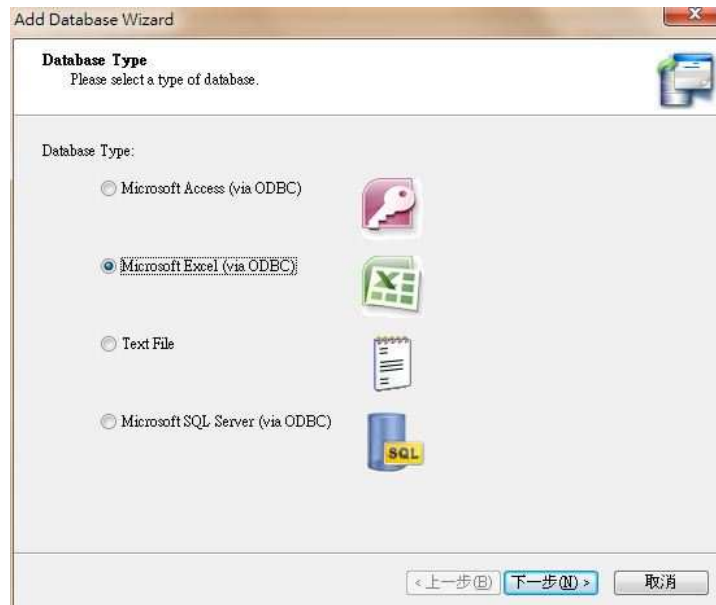


- Press “Confirm” button to finish the Database setup. Then, set the source of sub-string of an object as Database field. Please refer to [How to use Database to print](#) for detailed information

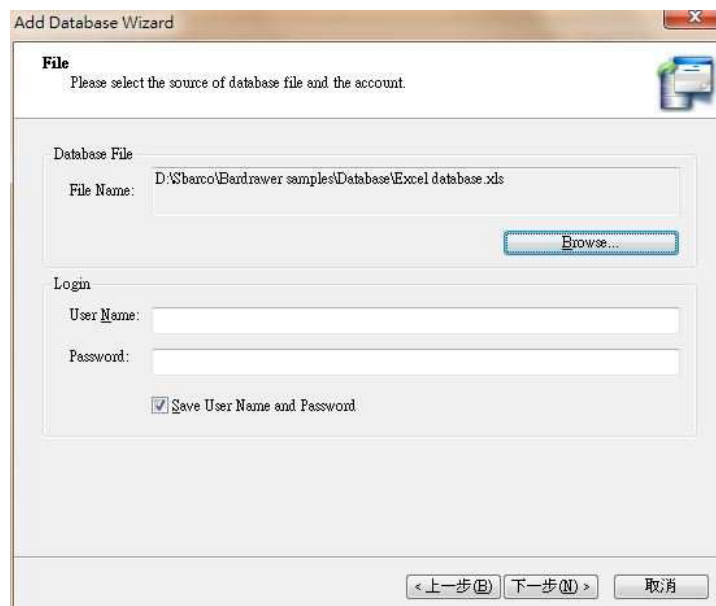


## 6.2.2 How to link Microsoft Excel (\*.xls)

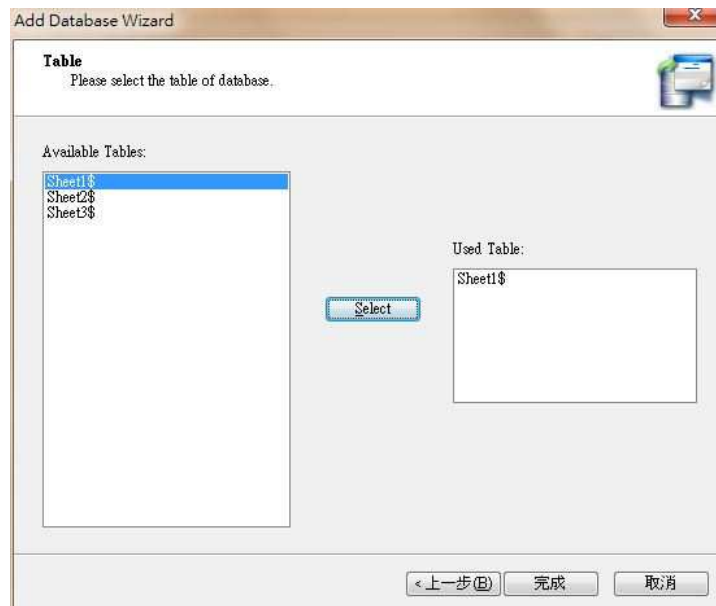
- Select “Microsoft Excel (via ODBC)” in Add Database Wizard, press Next button.



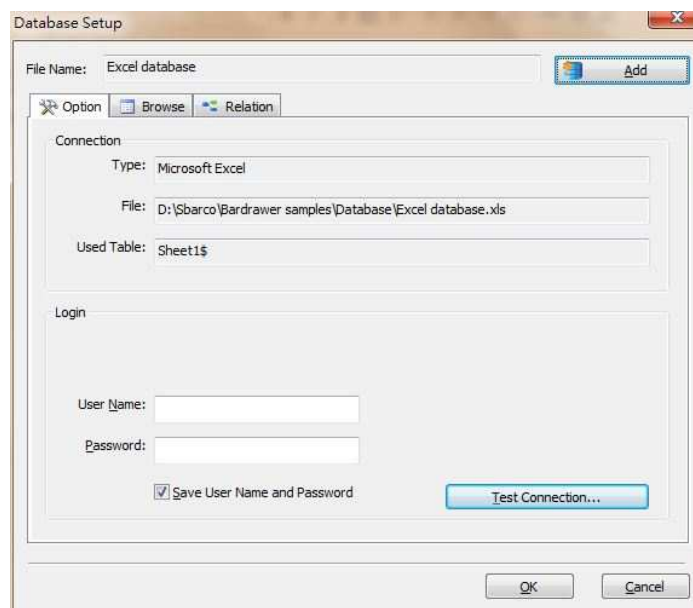
- Press Browse to select \*.xls file. Press Next.



- Select the available table and press OK to finish Wizard.

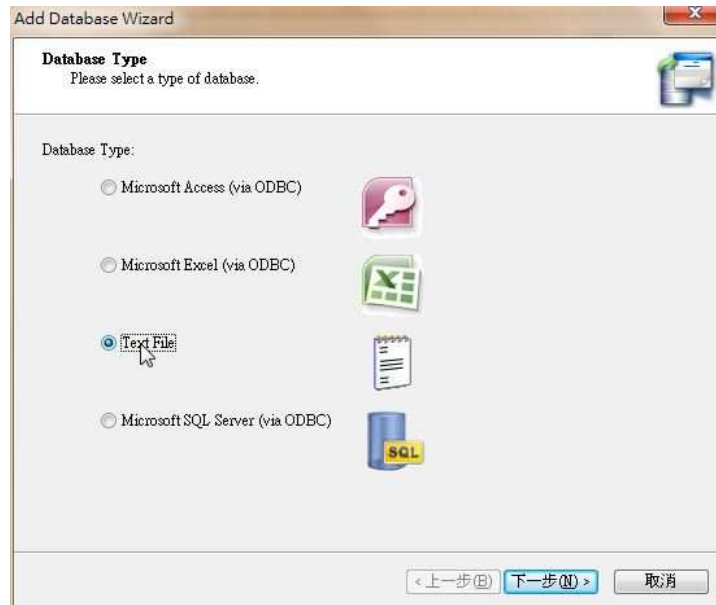


- Press “Confirm” button to finish the Database setup. Then, set the source of sub-string of an object as Database field. Please refer to [How to use Database to print](#) for detailed information

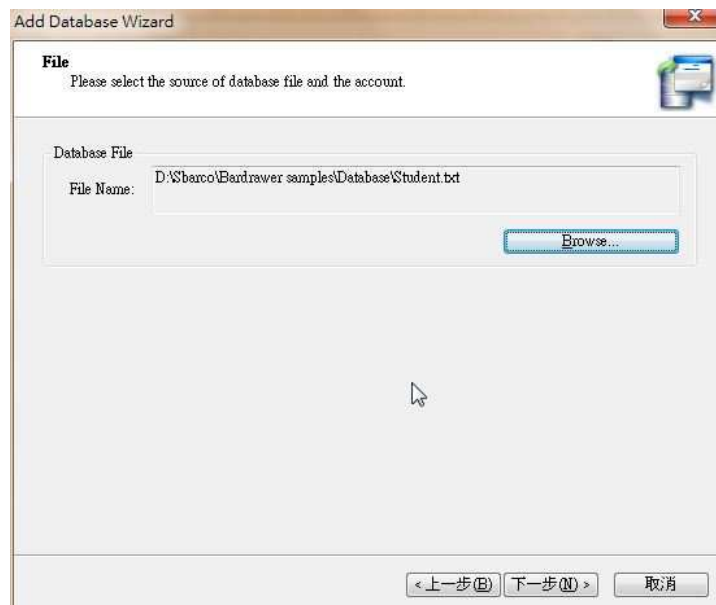


### 6.2.3 How to link Text file (\*.dat, \*.csv)

- Select Text file in Add Database Wizard, press Next button.

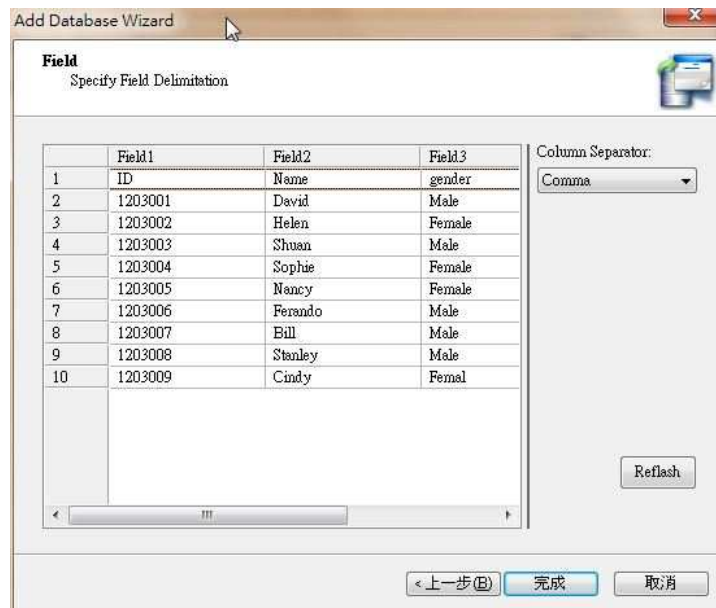


- Press Browse to select \*.dat or \*.csv file. Press Next.

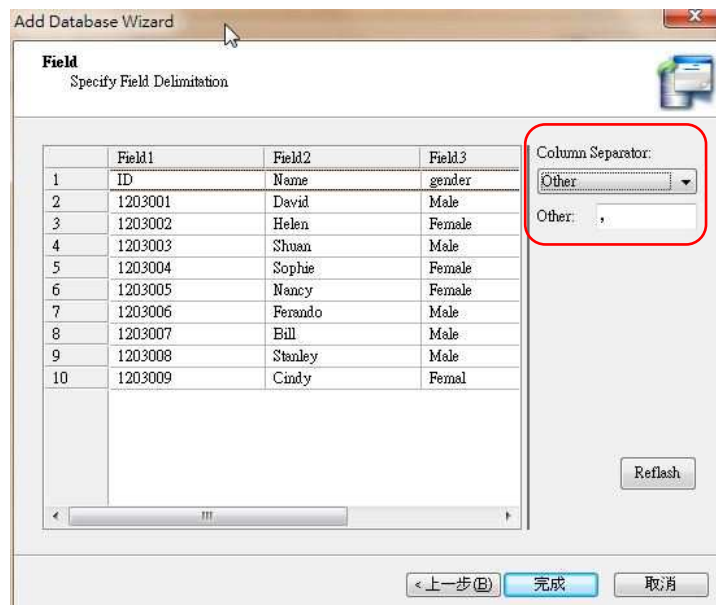
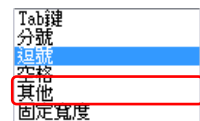







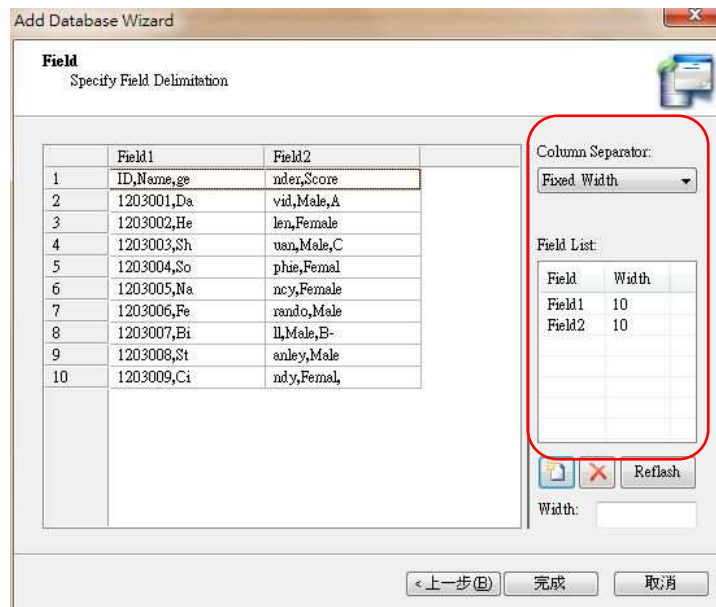
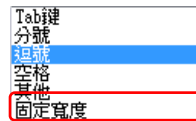
- It will show the text file content. The field is divided by the separator.
- The image as below shows the fields which are divided by the comma into Field1, Field2, Field3...



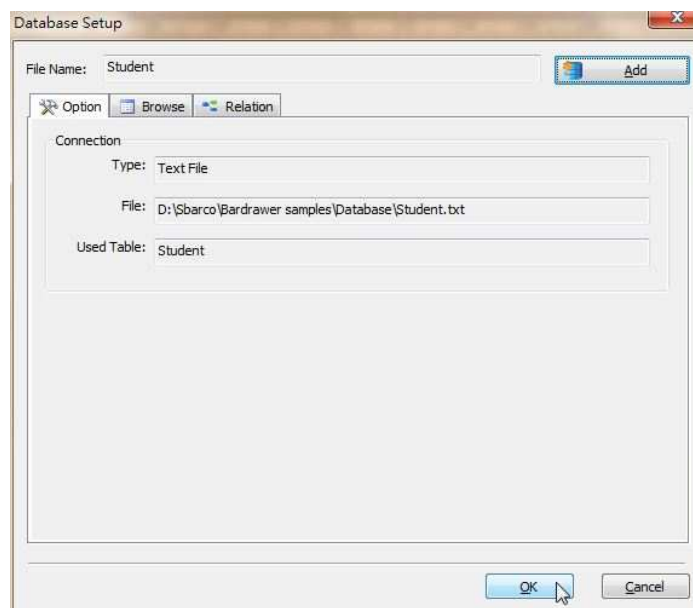
- BarDrawer provides the different mode of separator, as image shown. You could also select other as a proper separator.



- Separating mode can let user to set the fields with.
- When user selects the Fixed Width, the Column Separator will show the list (as image shown). Set the BYTE width of each column. Press  to add a new column. Press  to delete the column. After entering the value, press  to Refresh the column.

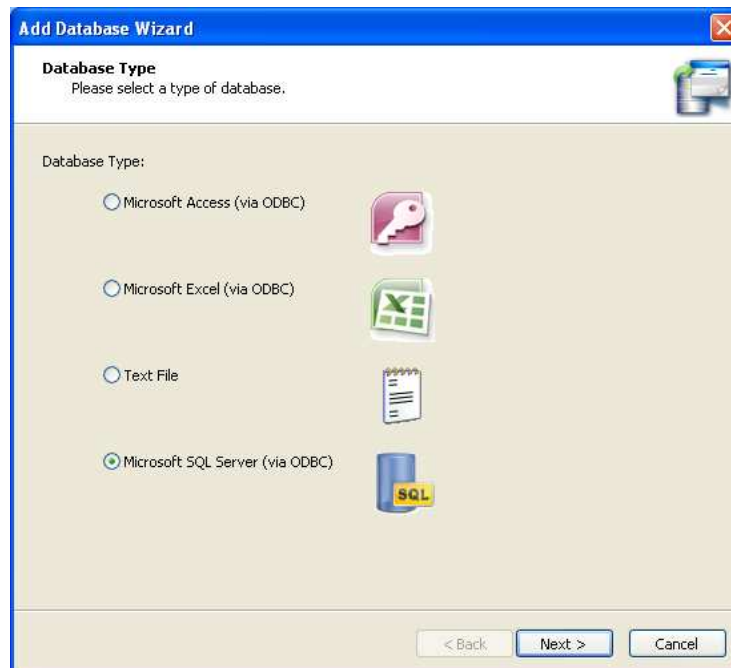


- Press “Confirm” button to finish the Database setup. Then, set the source of sub-string of an object as Database field. Please refer to [How to use Database to print](#) for detailed information

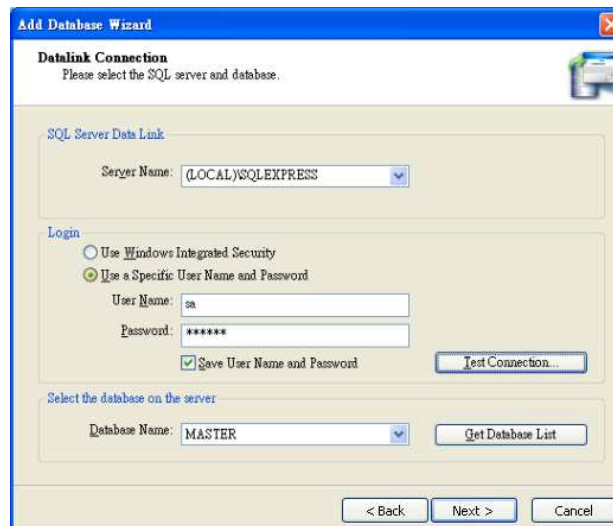


## 6.2.4 How to link SQL database and print

- Select Microsoft SQL Server (via ODBC) in Add Database Wizard, press Next button.

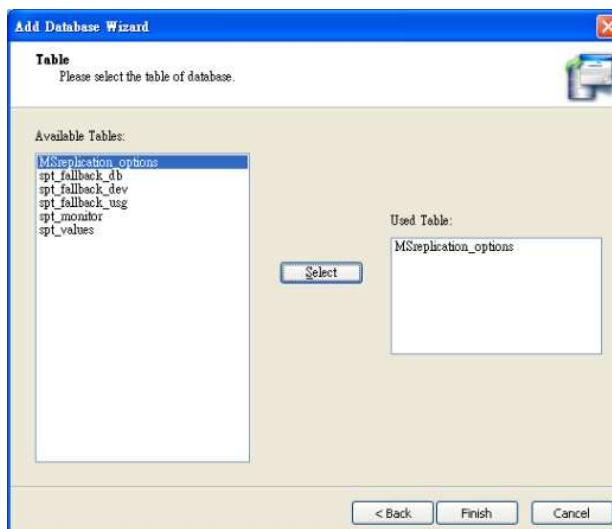


- After entering SQL Server name in "Server Name" field and login information, press "Get Database list" to get database list in Server and select the database. Press "Next" button.

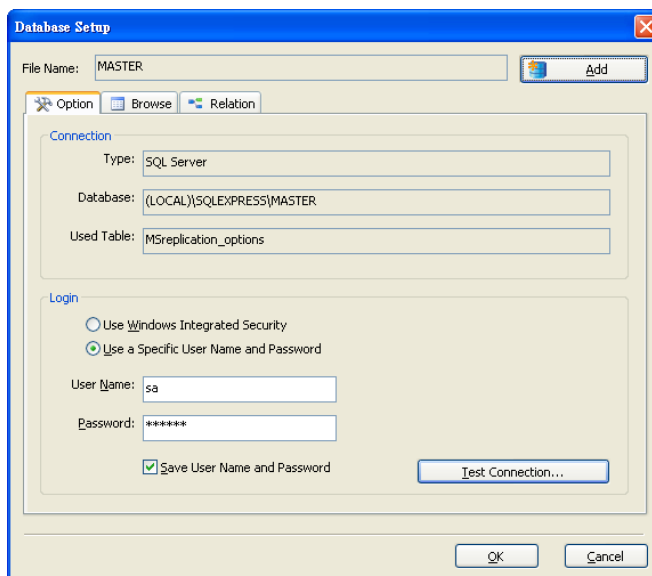


- (Before linking to SQL Server, the computer should install SQL Express or SQL Server Management Studio Express to connect to SQL Server.)
- Example:
  - This computer SQL Server: Server Name = (Local)\SQLEXPRESS, other computer SQL Server: Server Name = XXXXXX -> you could get other Server name via SQL Server Management Studio Express.

- Login: you could use sa account name and password (the password is bland after installing SQL Express) or Use Windows Integrated Security” to login SQL server.
- Select a sheet in “Available Tables” and press “OK”

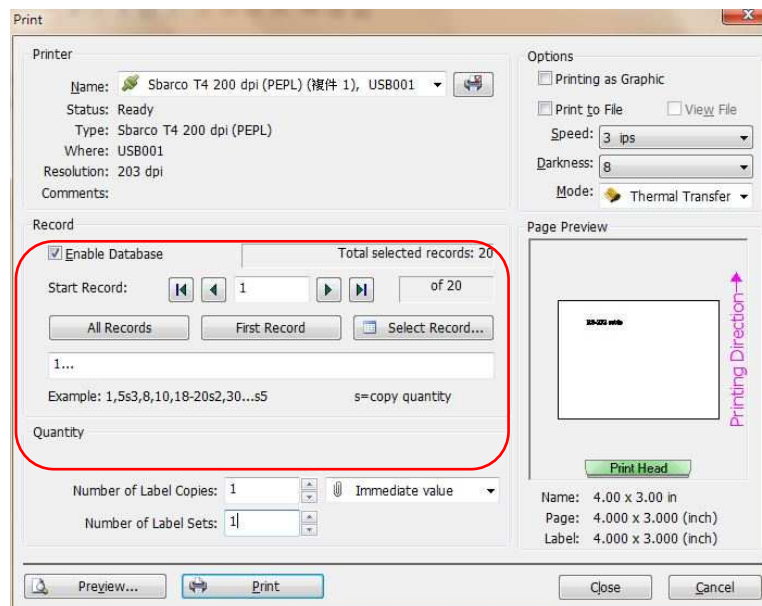


- Press “Confirm” button to finish the Database setup. Then, set the source of sub-string of an object as Database field. Please refer to [How to use Database to print](#) for detailed information

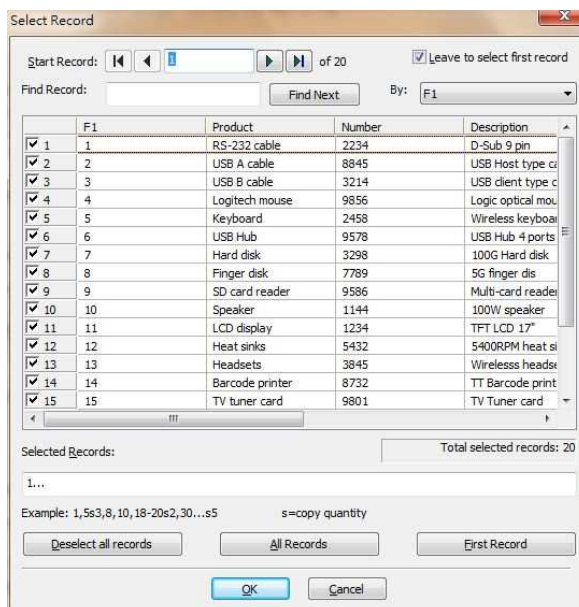


## 6.3 How to select record in printing

- In print dialogue, if the data of an object comes from the database, it will show the Record setup to let user to select the record.
- Press "Select Record" in print to set the database record, or you could press **All Records** **First Record** to decide to select all records or first record only.
- You could also enter the specific string to select the record. Please see the following introduce.
- Starting record is to set the first print record. If the printing quantity exceed the record, it will print the blank labels.



- In Select record dialogue box, you could select the records you would like to print, or set the starting record.



Item	Description
<b>Start record</b>	Starting record is to set the first print record. If the printing quantity exceed the record, it will print the blank labels. You could press direction button to check every record or enter the value to go to valued record. 料。
<b>Find record</b>	Find the record by relative string, it will follow “By” setting to find the record. When the record is found, the start record will change to this record.
<b>By</b>	To specify the field as a searching relative field.
<b>Leave to select first record</b>	If this option is selected, the start record will be the first record after leaving the setting dialogue box.
<b>Selected record</b>	Select record <input checked="" type="checkbox"/> 73 <input checked="" type="checkbox"/> 74 is to select the records which you want to print. When the records are selected, the entering dialogue box will be changed to selected command automatically.

---




Command: 1,5,8,10, single selection; 18-20 means between selection;  
18,19,20 means 3 records; 30...means all records after thirteen record(30  
included)

**Other** Deselect all records, All records, First record.  
**buttons**

## 7. FUNCTIONS IN EDIT FIELD

### 7.1 Mouse operatin

- BarDrawer provides the operation of keyboard and mouse, but the most of functions should be done by mouse. ◦

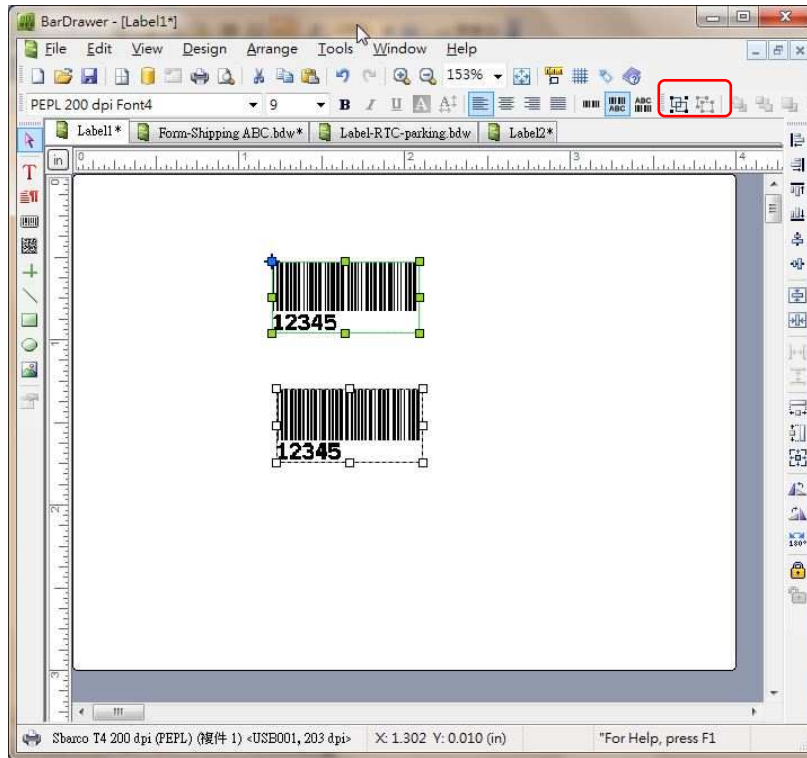
Item	Description
<b>Single object selection</b>	When selecting a single object via mouse, the green square will appear. You could move or resize the object with this green square. 
<b>Multi objects selection</b>	<ul style="list-style-type: none"> <li>➤ When a single object is selected by mouse, press and hold the Ctrl key, then, select other objects. When other objects are selected, the white square will appear. ◦</li> <li>➤ When a group of objects are selected, the object with the green square is a reference. If you need to change the reference, click the left button of the mouse on White square, the green square will be changed to. Then, the object with green square is a reference to align and resize.</li> </ul> 
<b>Press mouse button to create a selecting square</b>	<ul style="list-style-type: none"> <li>➤ Press the left button of mouse to create a dashed square. The object will not be selected if the dashed square doesn' t cover the whole object.</li> <li>➤ Press the right button of the mouse to create a dashed square. The object will be selected if dashed square just touch the object.</li> </ul> 
<b>Move object</b>	Select an object, press and hold the mouse key, move the mouse to move the object.
<b>Resize object</b>	Select an object, the green square will appear. Click and hold on the green point could resize the object.
<b>Zoom in and out edit field</b>	Press and hold Ctrl key, then scroll the wheel of the mouse to zoom in or zoom out the edit field.





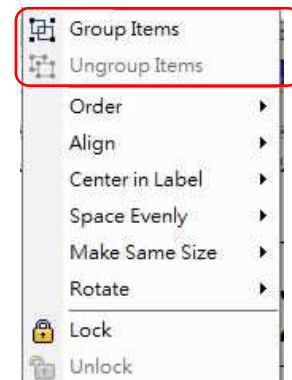
<b>Move edit page vertically</b>	Scroll the mouse wheel to move up or down the edit page.
<b>Move edit page horizontally</b>	Pres and hold Shift key and scroll the mouse wheel to move the edit page horizontally.
<b>Click left on mouse</b>	<ul style="list-style-type: none"> <li>➤ Click left button of the mouse on the object, the relative option of the object will be shown.</li> <li>➤ Click left button of the mouse on the blank area of edit field, the relative options of the edit page will be shown.</li> </ul>
<b>Double click on left button of the mouse</b>	<ul style="list-style-type: none"> <li>➤ Double click on the blank area of the edit field, the page setup dialogue box will be shown.</li> <li>➤ Click the left button of the mouse on object, the properties dialogue box of the object will be shown.</li> </ul>

## 7.2 Grouping function

- BarDrawer provides grouping and ungrouping function. When objects are in a group, all objects will move together if one object moves.
- When clicking on any object in group, all objects will be selected, as image shown.

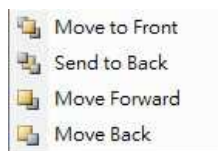


- Grouping objects could be set through main bar Arrange\Group or the icon . Press  icon to ungroup function.



### 7.3 Ordering function

- BarDrawer provides the function to adjust the object order. When one object is covered by the other one, you could use this function to move object to front or back.
- When click on any object, you could choose a function from Main menu\Arrange\Order or through the tool bar, as image shown.



- Example:

Text object is under the barcode	Text object is above the barcode
----------------------------------	----------------------------------

Press to move the text object to the top level or press to move the text object to up level one by one. °


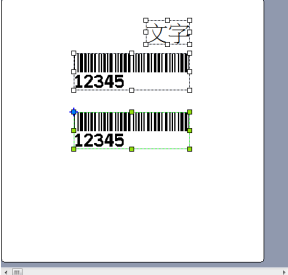

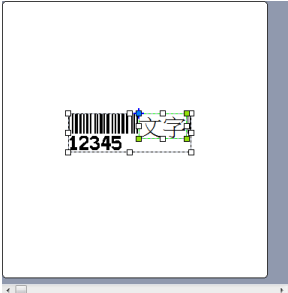

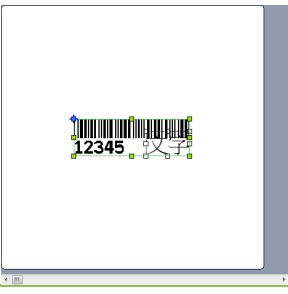

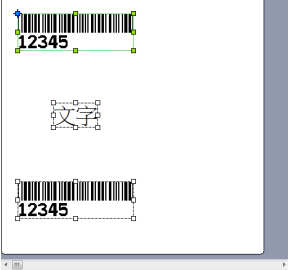


Through the ordering function, object will not be covered by other objects.

### 7.4 Aligning function

- BarDrawer provides aligning function. This function could align objects with each others.
- Clicking on 2 objects, select one of the functions from Main menu\Arrange\Align or the tool bar as right image shown.
- Features introduction :

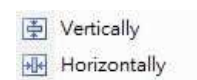


Item	Description	
Align left	A group of objects will be aligned to left following the selected reference object with green square.	

<b>Align right</b> 	A group of objects will be aligned to right following the reference object with green square.	
<b>Align top</b> 	A group of objects will be aligned to top following the reference object with green square.	
<b>Align bottom</b> 	A group of objects will be aligned to bottom following the reference object with green square.	
<b>Align horizontal centers</b> 	A group of objects will be centered following the green square horizontal center point.	
<b>Align vertical centers</b> 	A group of objects will be centered following the green square vertical center point.	


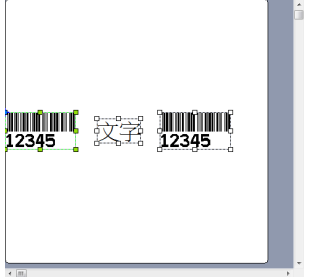


## 7.5 Object center aligning function

- BarDrawer provides the function to center the objects in middle of edit field.
- Select any object by mouse, the options in Main menu\Arrange\Center in Label or the



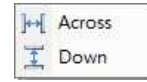
icon in the tool bar will be active, as image shown.




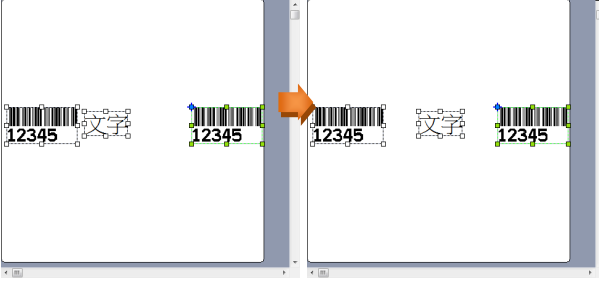
- Features introduction:

Item	Description	
Center vertically in label 	Objects will be centered vertically in the middle of edit area.	
Center horizontally in label 	Object will be centered horizontal in the middle of edit area.	

## 7.6 Space evenly function

- BarDrawer provides the function of space evenly. This function could even the space for more than 3 objects.
- Select 3 objects by mouse, the options in Main Menu\Arrange\Space evenly or the icon in tool bar will be available as image shown.
- Features introduction :


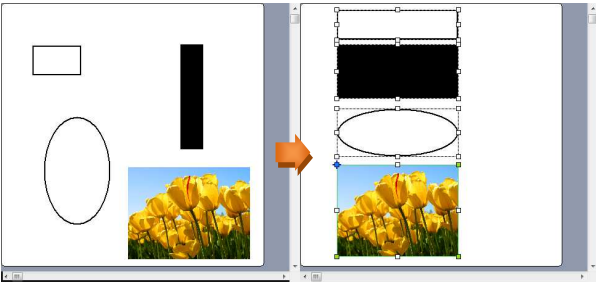

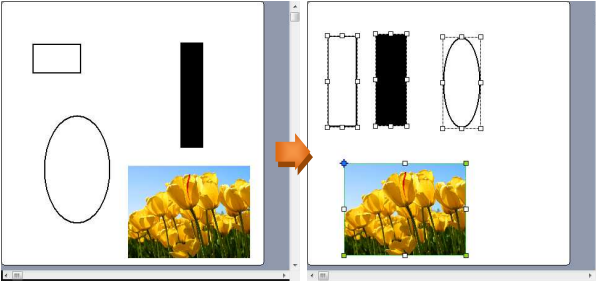



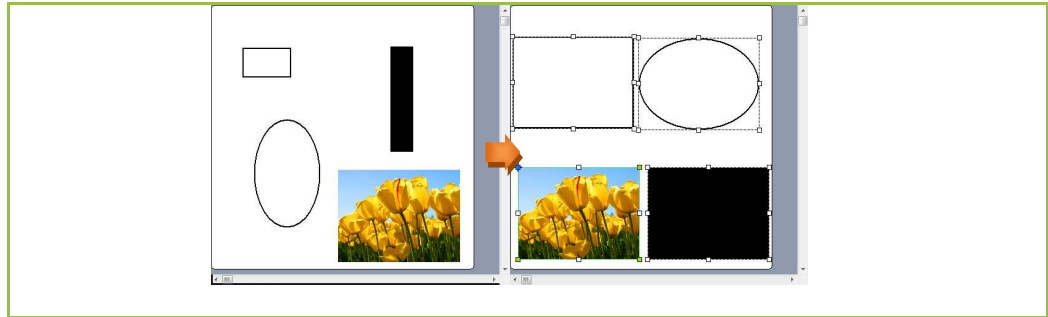
Item	Description
Space Across 	Select objects as a group, this function will even the space between the top and bottom object.  
Space down 	Select objects as a group, this function will even the space between left and right object.  

## 7.7 Make same size

- BarDrawer provides to make the objects same size. This function could make the same size on high, width or both of the 2 or more objects.
- Select 2 objects by mouse, the options in Main Menu\Arrange\Make same size or the icons in tool bar will be available, as image shown.
- Features introduction :

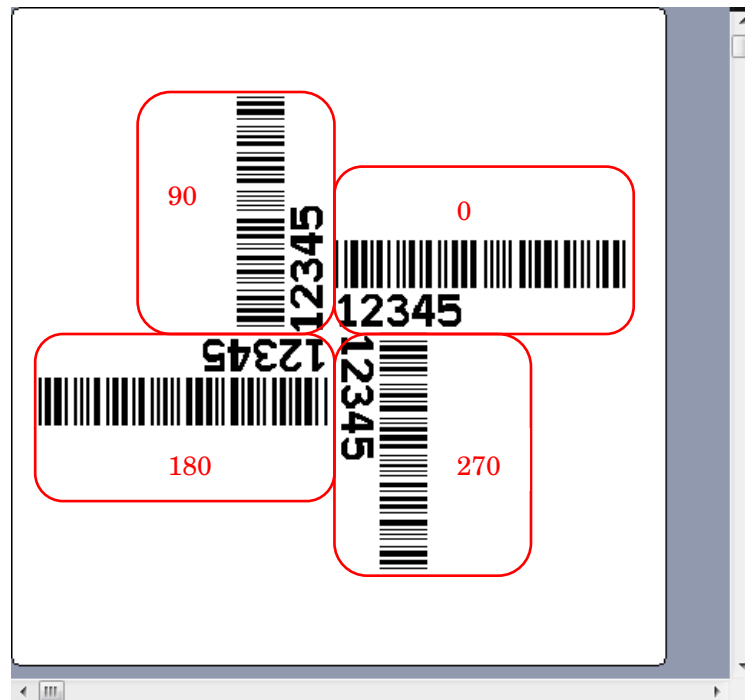


Item	Description
<p><b>Same width</b> </p>	<p>A group of objects will be made the same width following the reference object with green square.</p> 
<p><b>Same height</b> </p>	<p>A group of objects will be made the same height following the reference object with green square.</p> 
<p><b>Both</b> </p>	<p>A group of objects will be made the same width and height following the reference object with green square.</p>



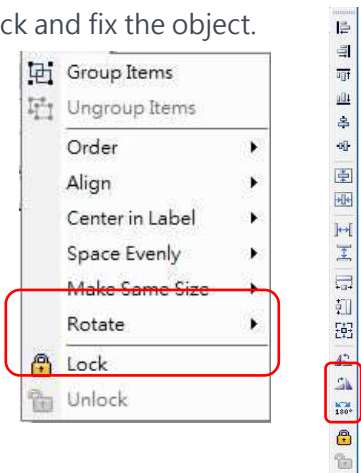
## 7.8 Rotation function

- BarDrawer provides the object rotation function.
- Select an object, the options in Main Menu\Arrange\Rotate or the icon in tool bar will be active, as image shown.
- Features introduction :
  - 0 degree 、 90 degree 、 180 degree and 270 degree, four direction.





## 7.9 Lock function

- BarDrawer provides the function to lock and fix the object.
  - Select an object, the Lock function in the Main menu\Arrange or icon in the tool bar will be active, as image shown.
- 
- Feature introduction:
    - A lock image will show when the object is locked.
    - The locked object will not move when a group of object is moved.

