

**D-Thermo**

# Thermal Transfer Printer

Instruction Manual

▶ order No: TMP-002



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## Appendix

TMP-002  
Thermal Transfer  
Printer

**TO WHICH THIS DECLARATION RELATES  
IS IN CONFORMITY WITH THE FOLLOWING STANDARDS**

European Standard EN55032:2012/AC:2013, EN55024:2010. CFR 47, Part 15B

This equipment must be earthed.

The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltages on accessible metal parts.

\* Alphanumeric- font suggest, Arial 12pt

Traditional Chinese- font suggest, Microsoft JhengHei 12pt

Simplified Chinese- font suggest, Microsoft YaHei font 12pt

Japanese: font required, MS PGothic 12pt

Insert Symbol- font required, DL\_Symbol 12pt

\* it's recommended to warm up the device 5~10 mins which comes a better effect of printing job.

\* Equipment for use in locations where it is unlikely that children will be present.

# SAFETY INSTRUCTIONS

Please read the following instructions carefully.

1. Keep the equipment away from humidity.
2. Before you connect the equipment to the power outlet, please check the voltage of the power source.
3. Make sure the printer is off before plugging the power connector into the power jack.
4. It is recommended that you connect the printer to a surge protector to prevent possible transient overvoltage damage.
5. Be careful not to get liquid on the equipment to avoid electrical shock.
6. For safety and warranty reasons, ONLY qualified service personnel should open the equipment.
7. Do not repair or adjust energized equipment under any circumstances.

## Caution

---

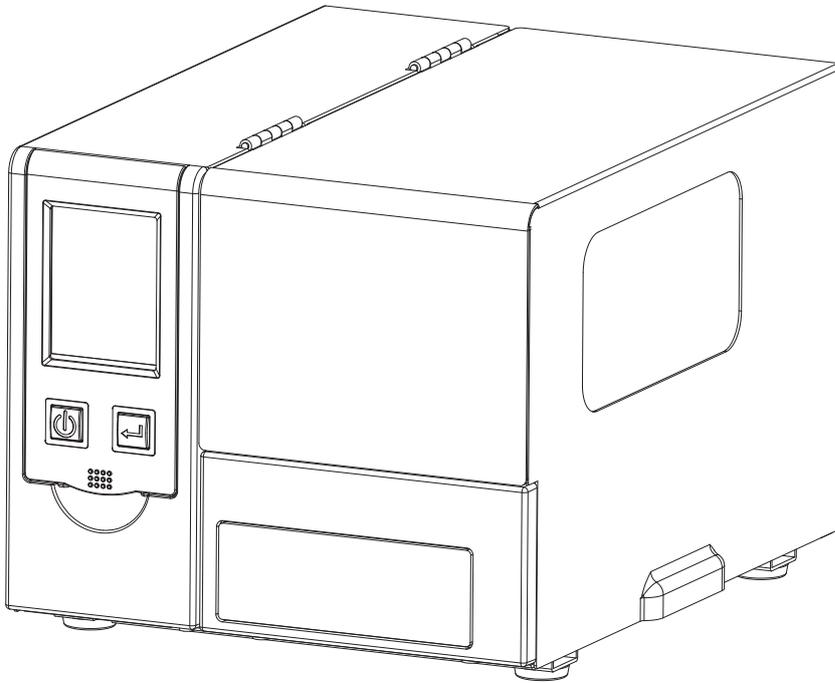
- \* Danger of explosion if battery is incorrectly replaced. Replace only with the equivalent type recommended by the manufacturer.
- \*\* Only use with designated power supply adapter model.

# 1 Printer

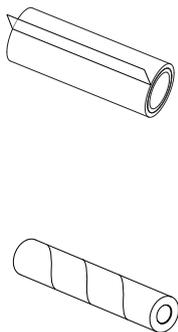
## 1.1 Box Content

After opening the box, please check all the equipment and check if there is any damage caused by the transportation. Please keep all packaging materials in case you need to return the goods for future delivery.

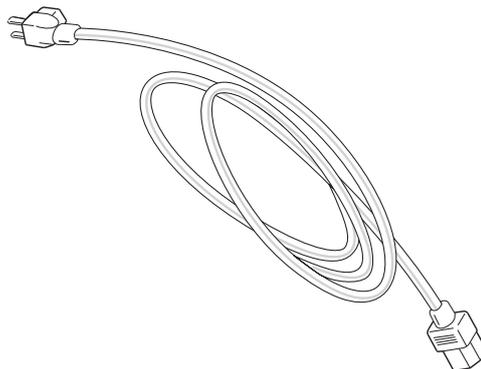
- **Thermal Transfer Printer**



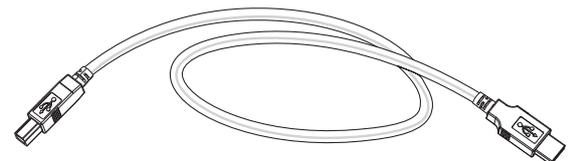
① Ribbon&Empty Ribbon Core



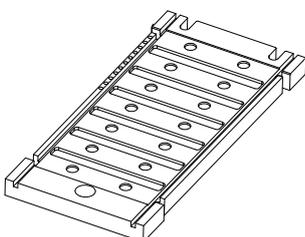
② PowerPower Adaptor corresponding universal socket\*4 Cord



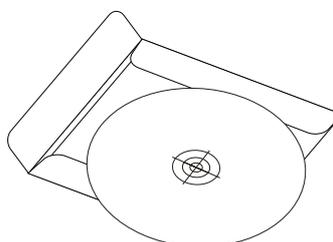
③ USB Cable



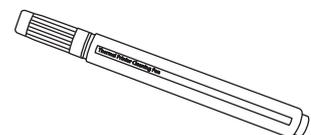
④ Marking Plate Fixture



⑤ Product CD  
Contains Dinkle Label, Driver, User Manual



⑥ Cleaning Pen

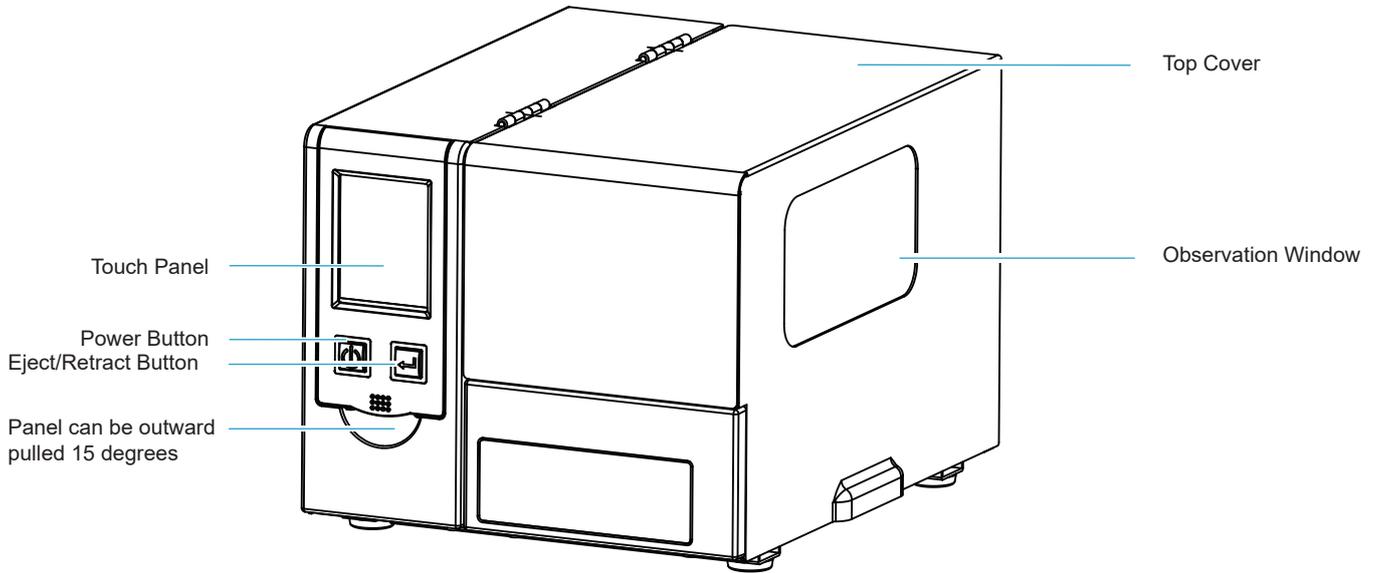


# 1 Printer

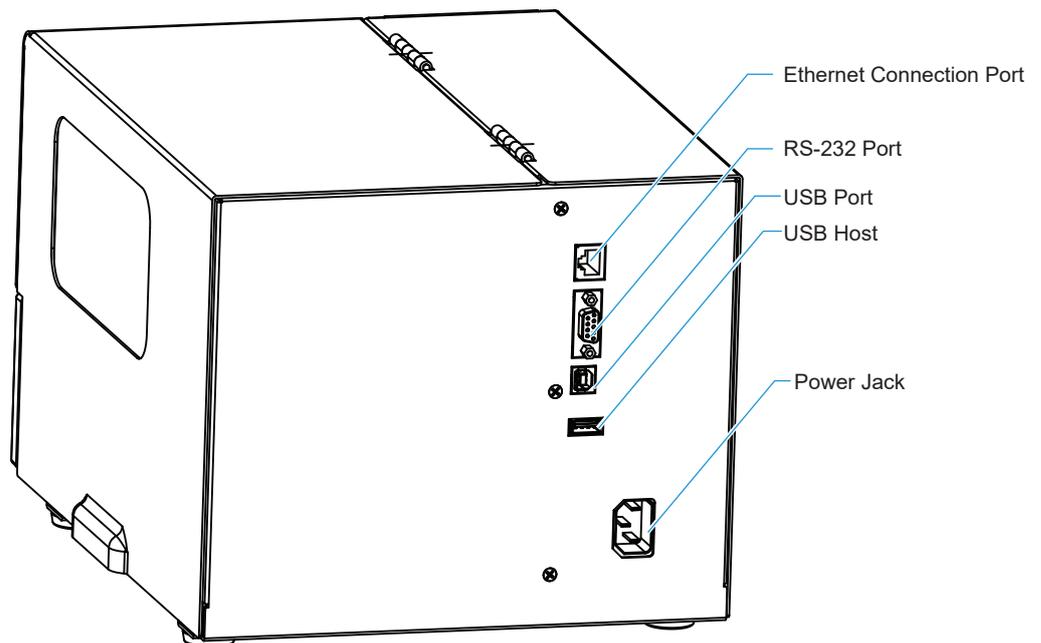
## 1.2 Getting to Know Your Printer

### Device Overview

- Front View

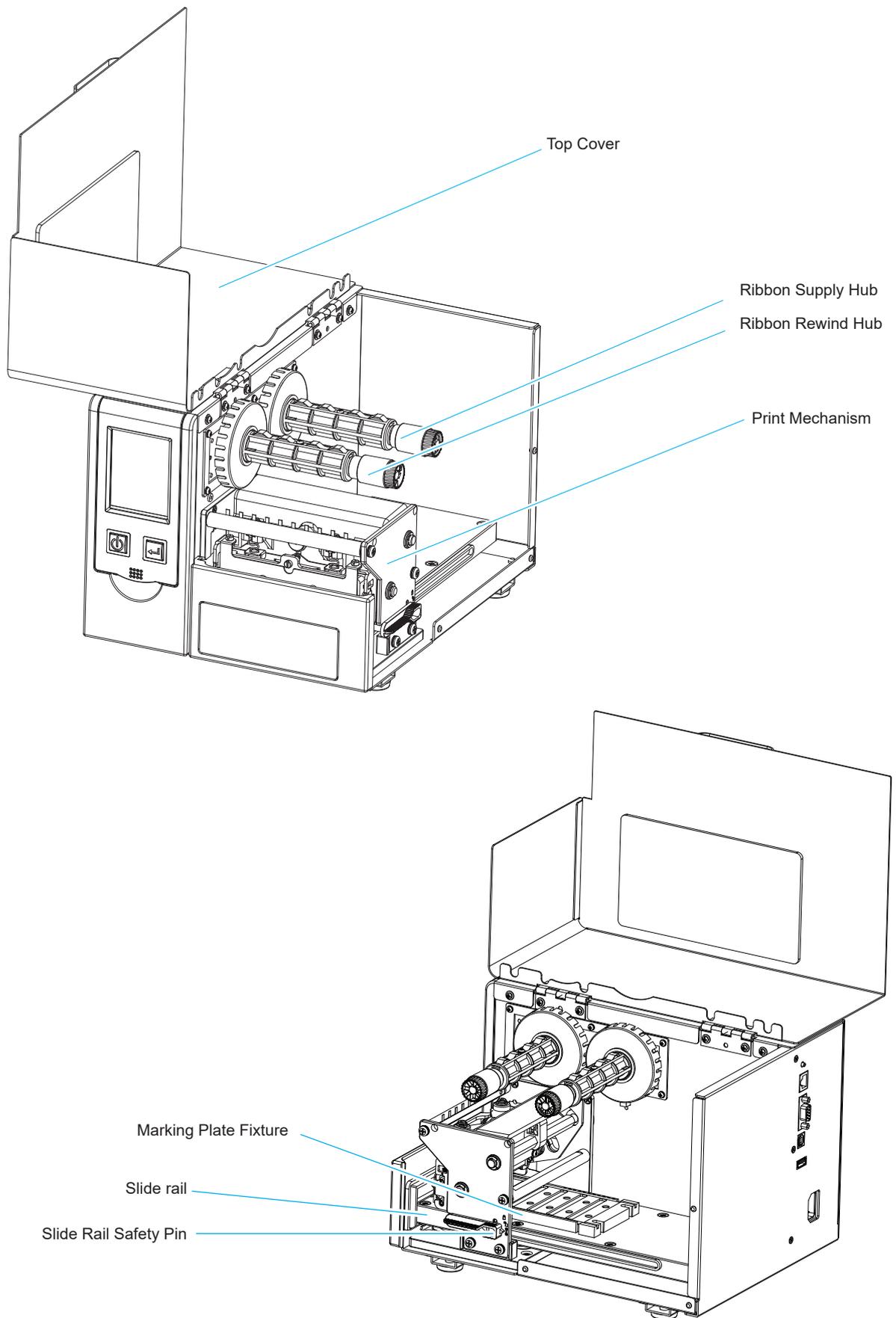


- Rear View



# 1 Printer

## Inside View

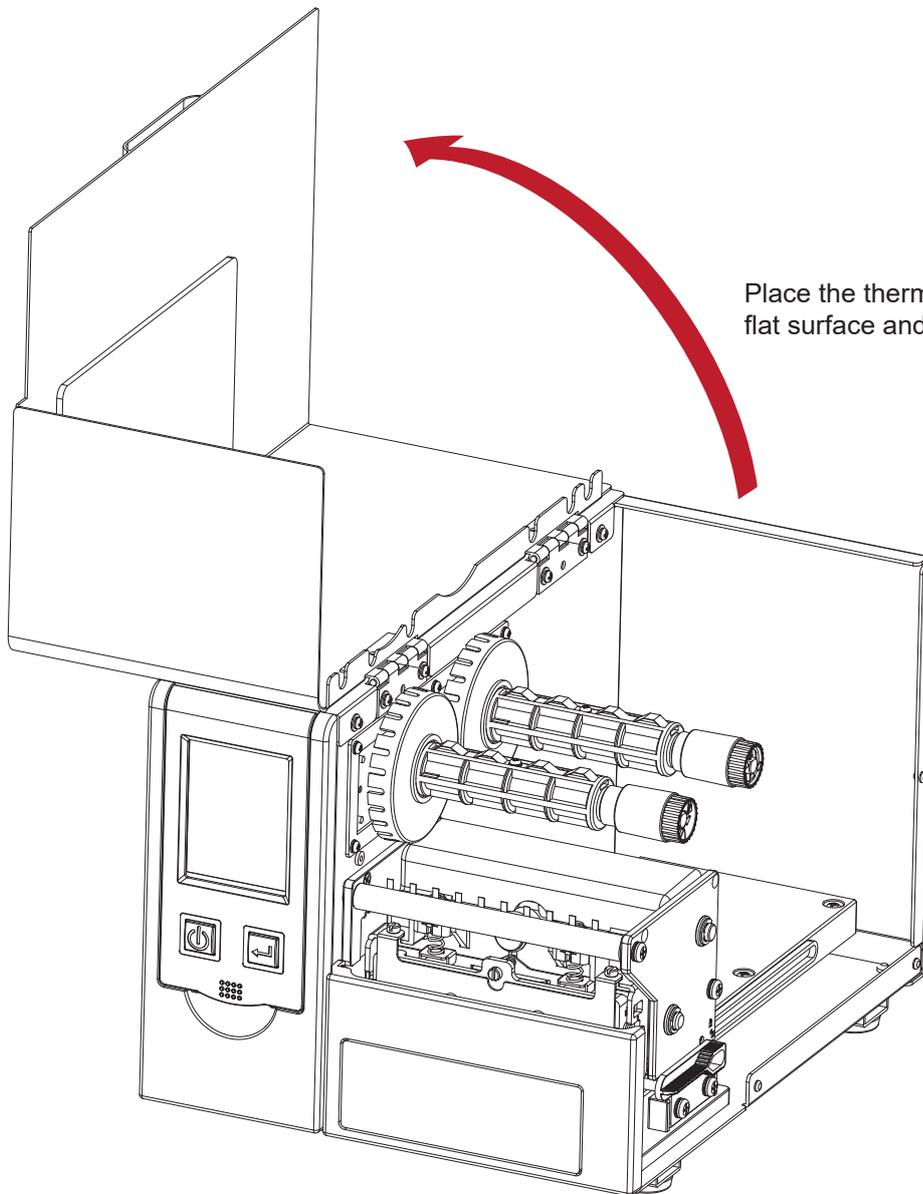


## 2 Printer Setup

### 2.1 Loading the Ribbon

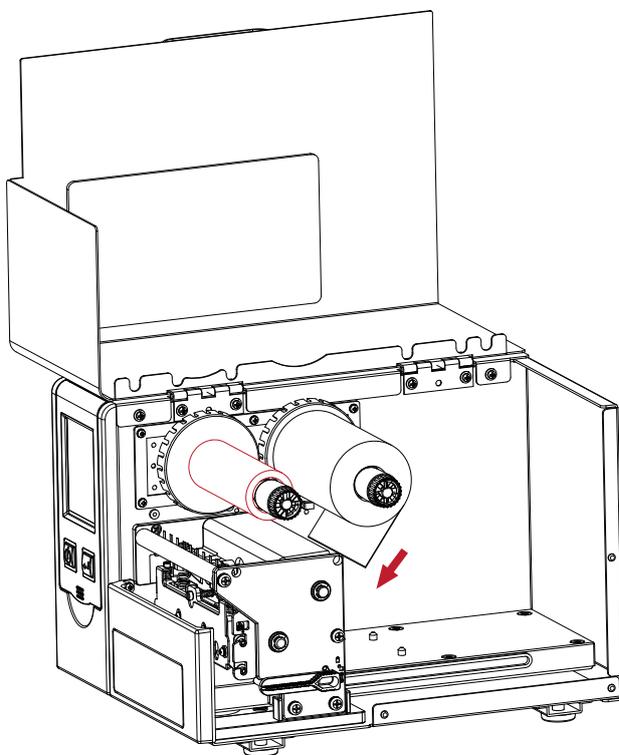
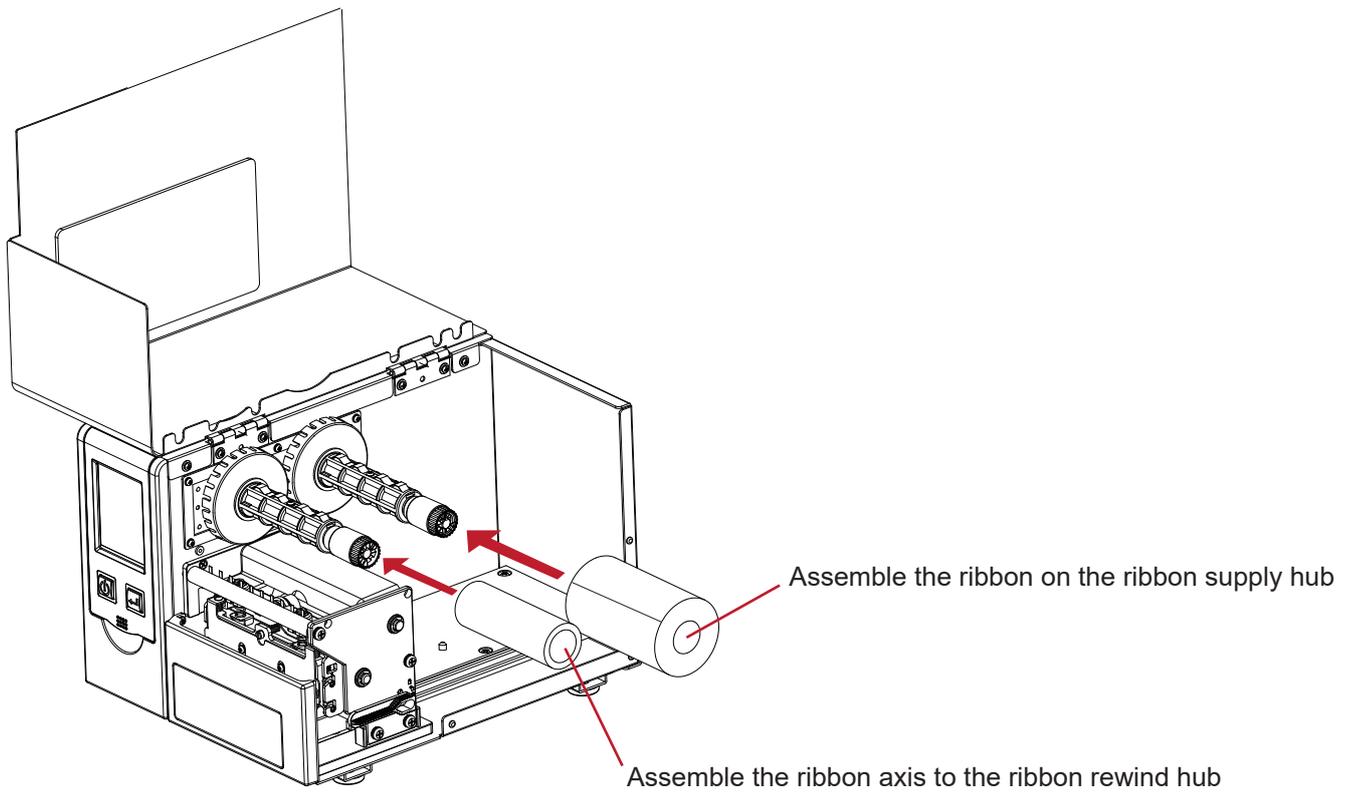
**Printing Method :**

Thermal transfer : When printing, the ribbon must be used to transfer the content to the Marking plate.



Place the thermal transfer printer on a flat surface and open the top cover.

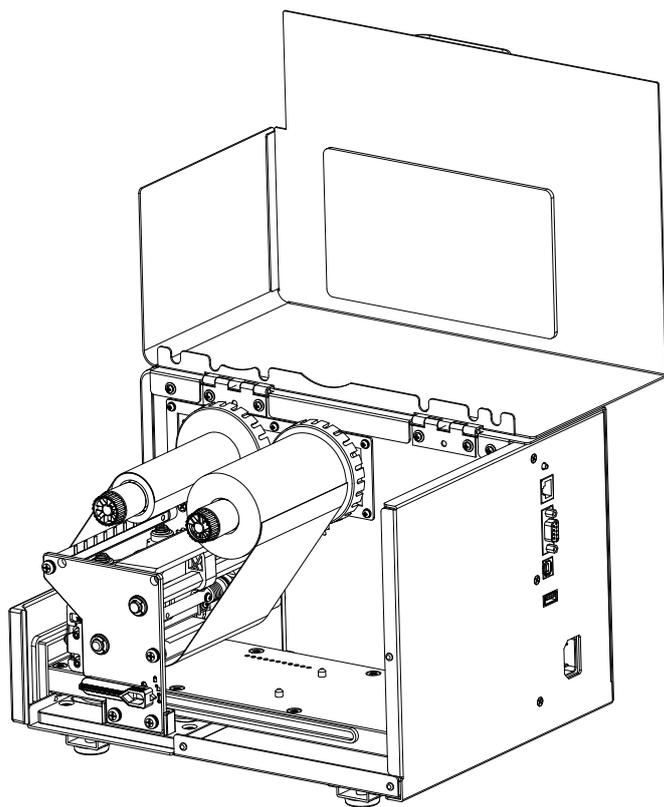
## 2 Printer Setup



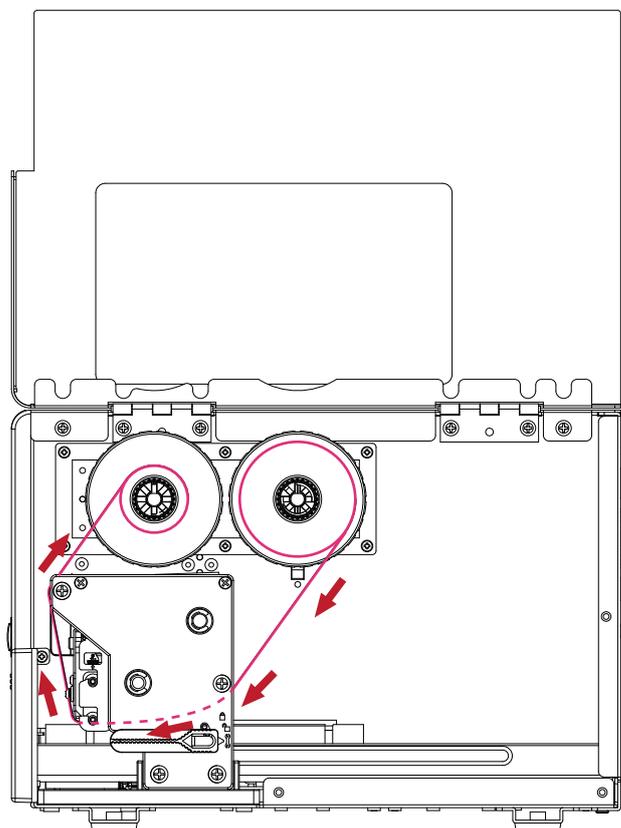
### Caution

- \* Placing the carbon ribbon with improper force or external force, which will make the ribbon supply hub and ribbon rewind hub be out of shape or the print quality reduced.  
If it happens accidentally, please return it to the original factory for repair.

## 2 Printer Setup



Fix the ribbon.

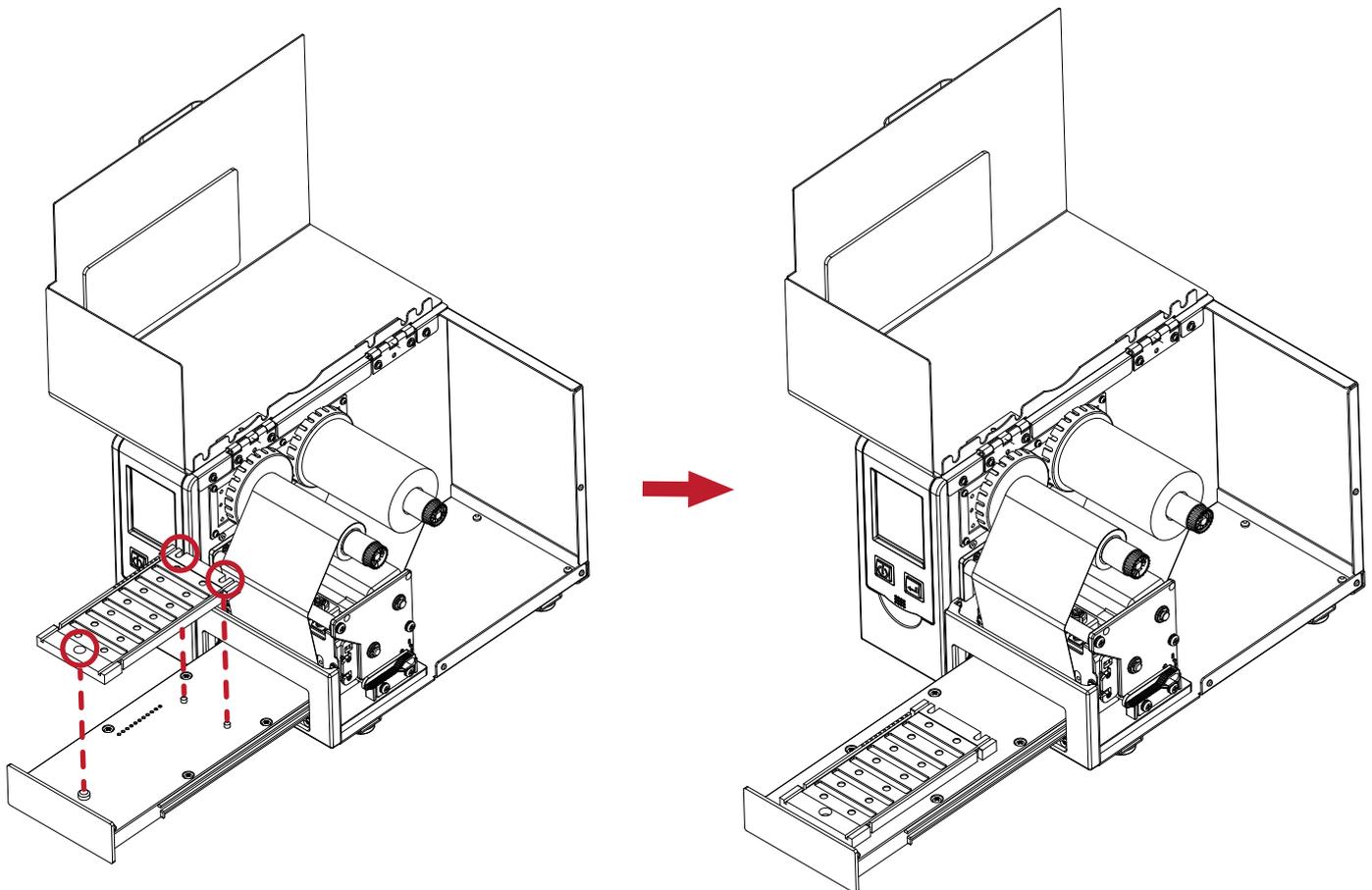
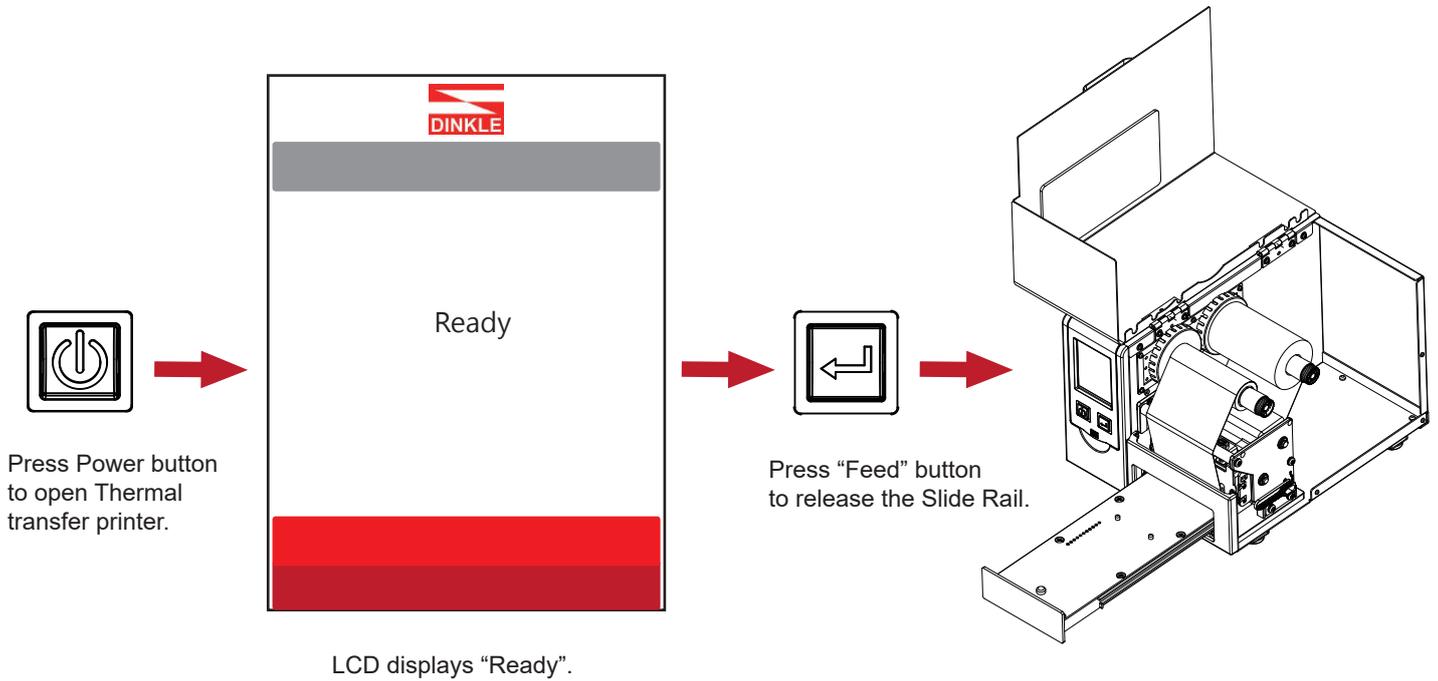


※ Schematic diagram

# 2 Printer Setup

## 2.2 Installing the Fixture

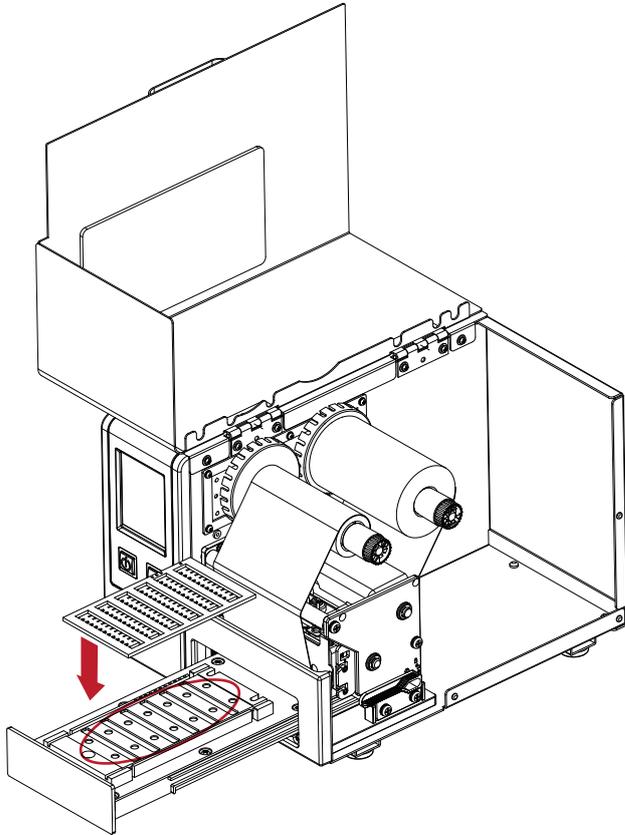
### Instruction



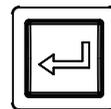
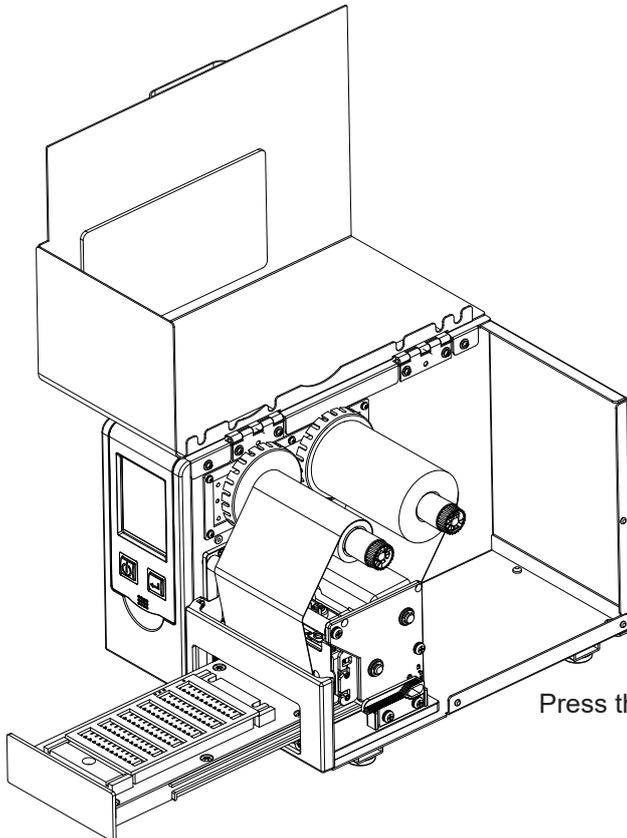
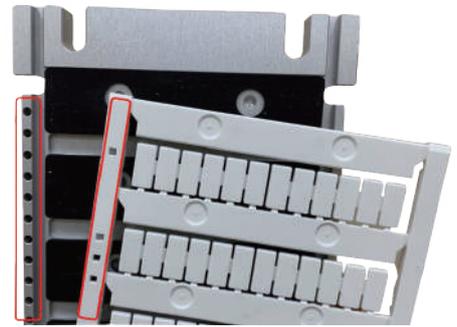
## 2 Printer Setup

### 2.3 Load the Marking Label

Align the bump of the marking label with the circular groove on the marking label fixture, and place the marking label on the fixture flatly. (Only one piece marking label is allowed to place.)



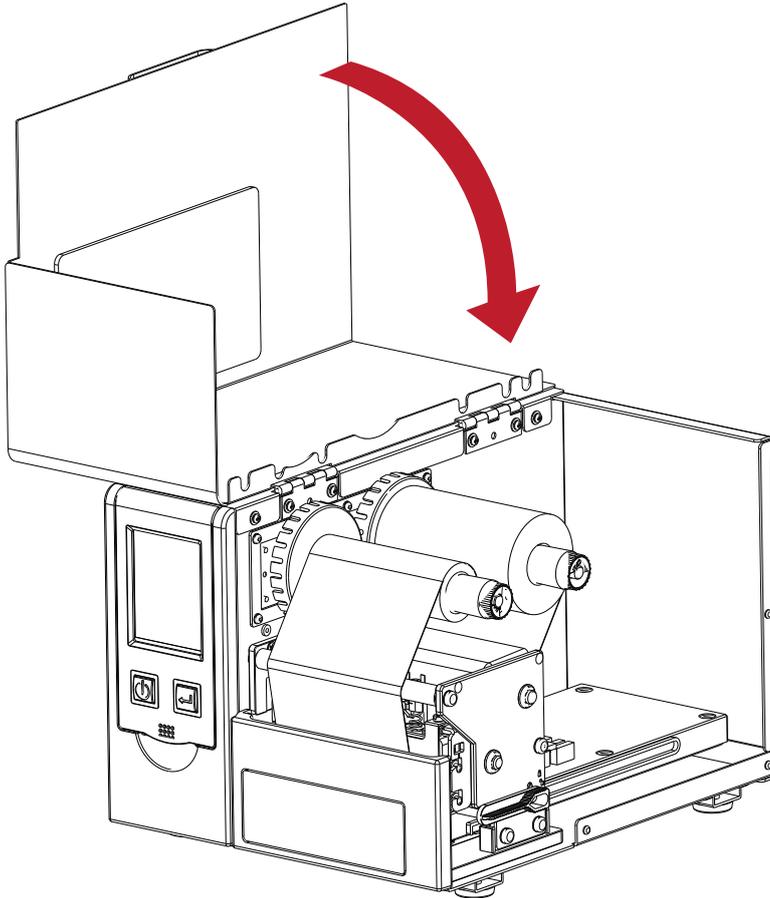
On the marking label, the square hole needs to be on the same side as the small round hole on the fixture to be placed effectively.



Press the "Eject/Retract" Button to retract the slide rail.

## 2 Printer Setup

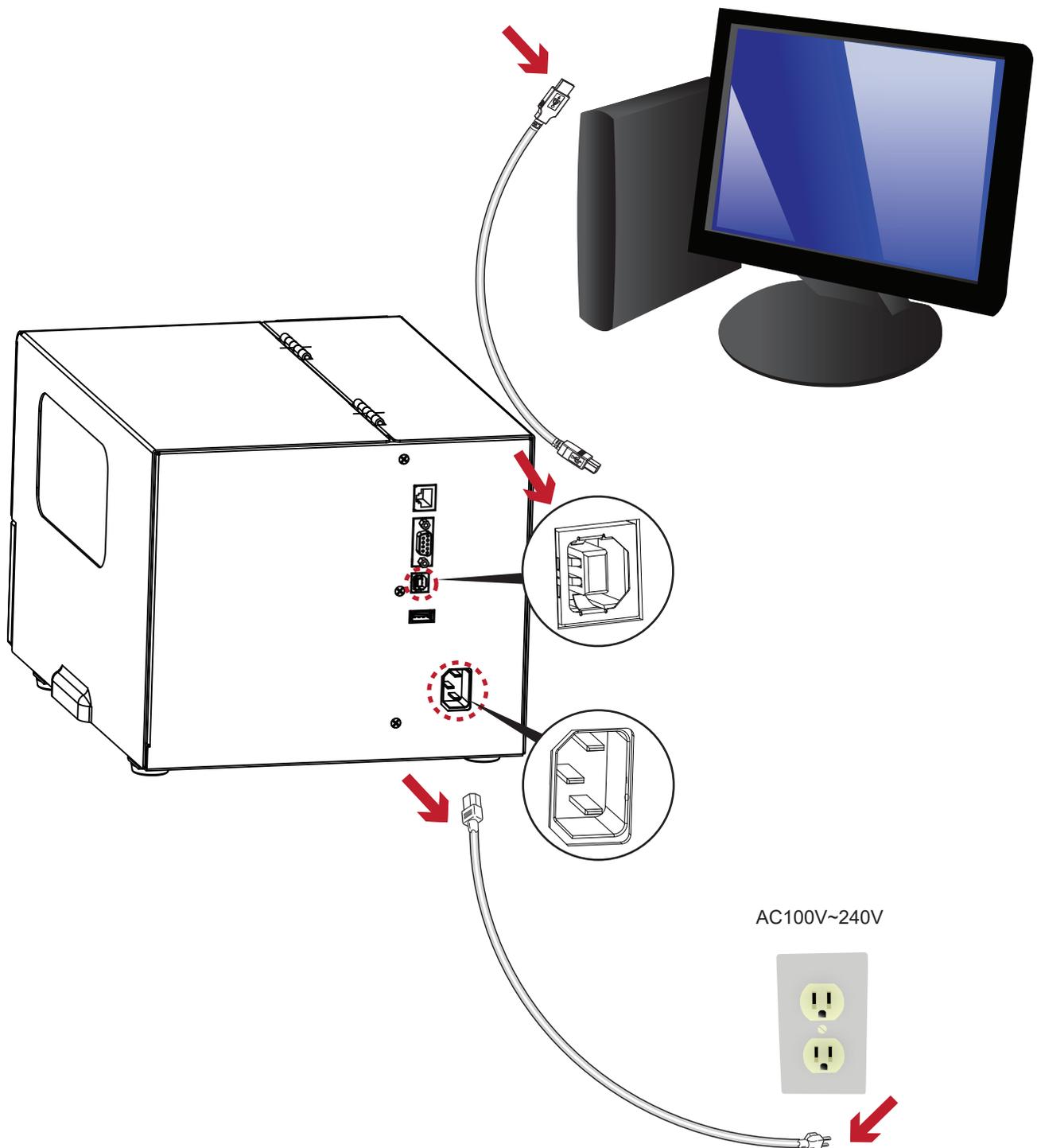
Close the top cover.



## 2 Printer Setup

### 2.4 Connecting the Printer to the Host Computer

1. Connect one side of the power cord to the AC adapter and the other side to the power outlet of the printer.
2. One end of the transmission line is connected to the transmission port of the thermal transfer printer, and the other end is connected to the computer. The type of transmission line varies depending on the equipment purchased. Please install it according to the actual accessories.
3. Turn on the thermal transfer printer when the ribbon is installed, and wait for the power indicator of the heat transfer machine to light.



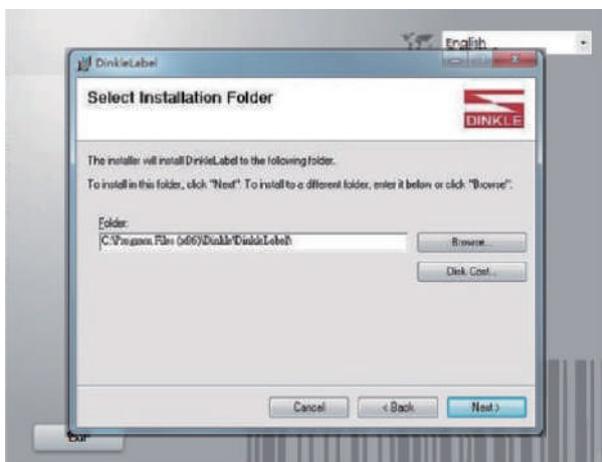
## 2 Printer Setup

### 2.5 Installing Printer Driver and Dinkle Label with Super

1. Insert the supplied product disc into the CD-ROM drive, the computer will process automatically and pop up the operation interface. At this time, you will see the screen shown as below.  
Tap "Install DinkleLabel" to install drive and DinkleLabel.

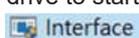


2. Before starting installation, the screen will remind you that DinkleLabel software installation starting soon. Confirm and press the button "Next" to select the download location.



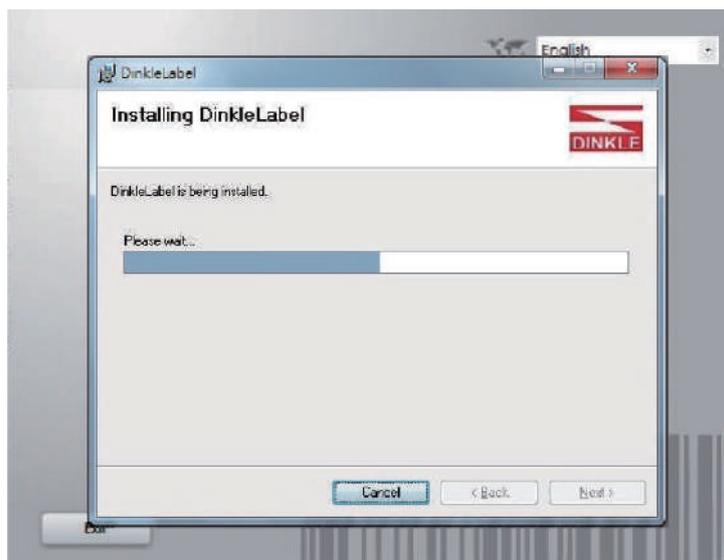
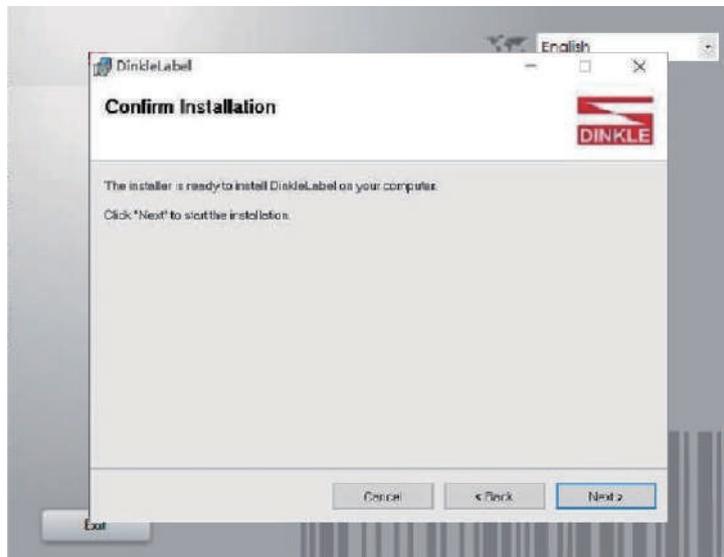
#### Note

- \* If the installation does not process automatically after the product disc is inserted into the CD-ROM drive, please turn on the setting of "AutoPlay" of the CD-ROM drive; or directly click "Interface" in the CD-ROM drive to start the disc program.



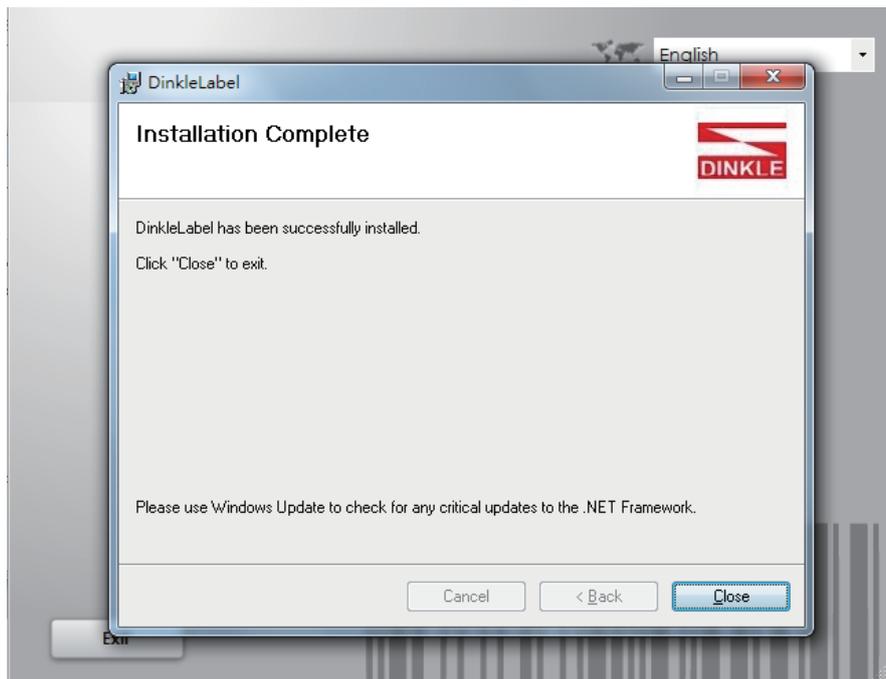
## 2 Printer Setup

3. As the printer driver and DinkleLabel are installing, a screen will display a progress bar. Once the installation is complete, the installation completion will be displayed on the screen.



## 2 Printer Setup

4. After the automatic installation is completed, the screen will display the installation. After pressing "End", you can use the Dinkle Label software for file creation, editing and printing.

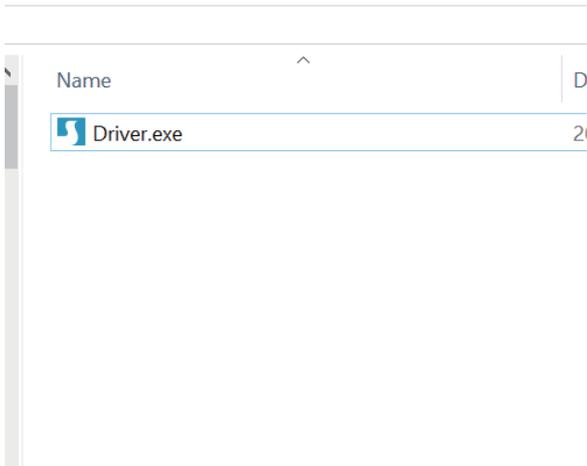
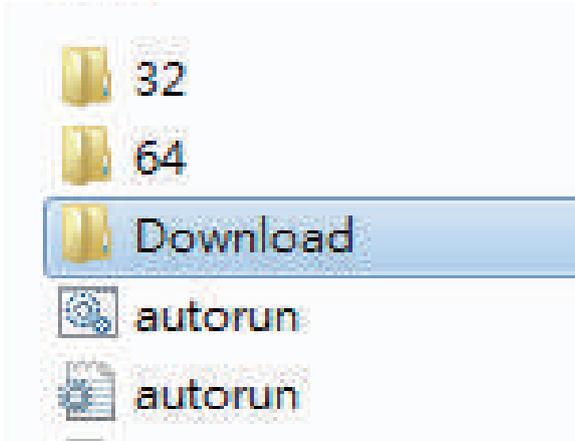


# 2 Printer Setup

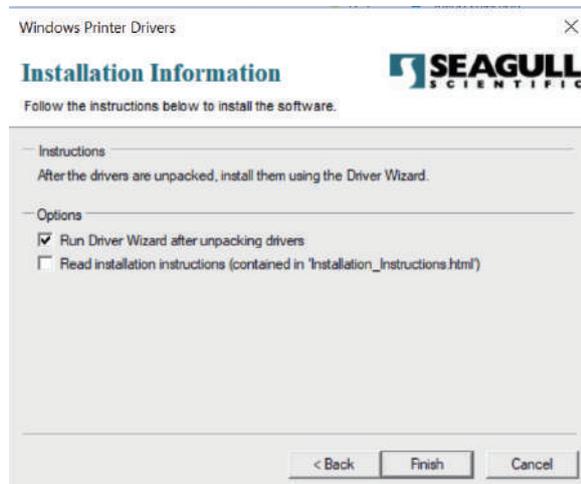
## 2.6 Install Seagull Driver

System Requirement: Windows 7 and above

1. After opening the contents of the disc, find the Driver installation file in the following path.  
**Download\Softwares\Driver\Driver.exe**



2. Please read the related terms carefully, and click “I accept the terms in the license agreement” to install it as agreement as below.

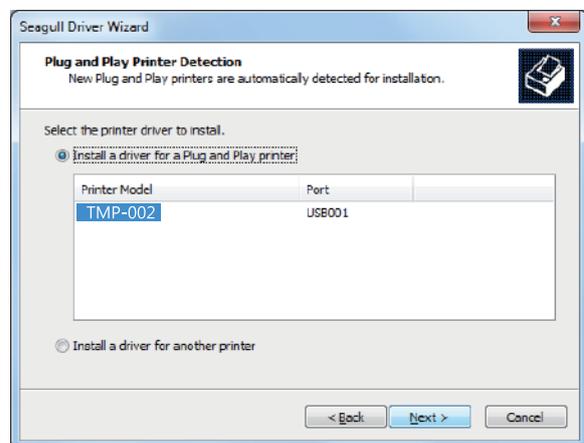
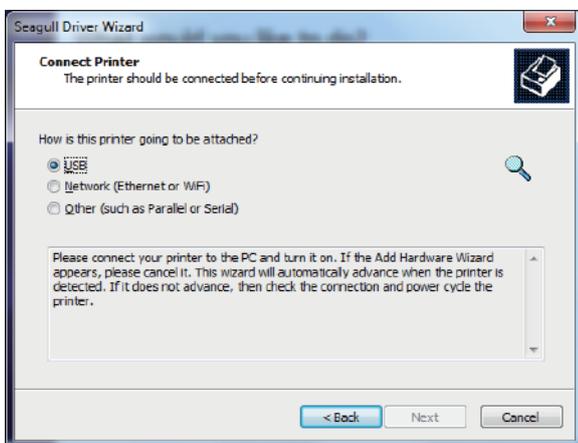


## 2 Printer Setup

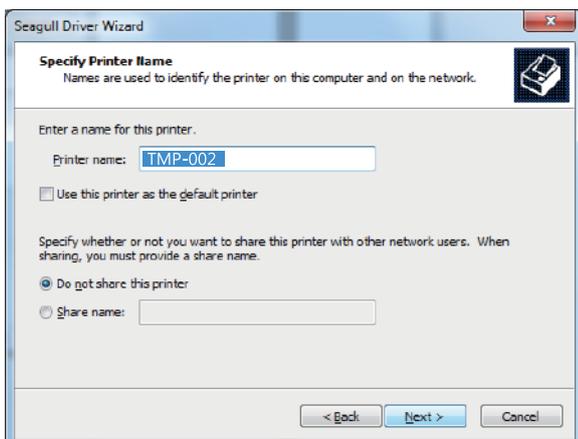
3. Enter the seagull driver installation wizard, choose the next step.



4. Use the USB connection to search for the thermal transfer printer unit model as shown on the right. After clicking TMP-002, select "Next".

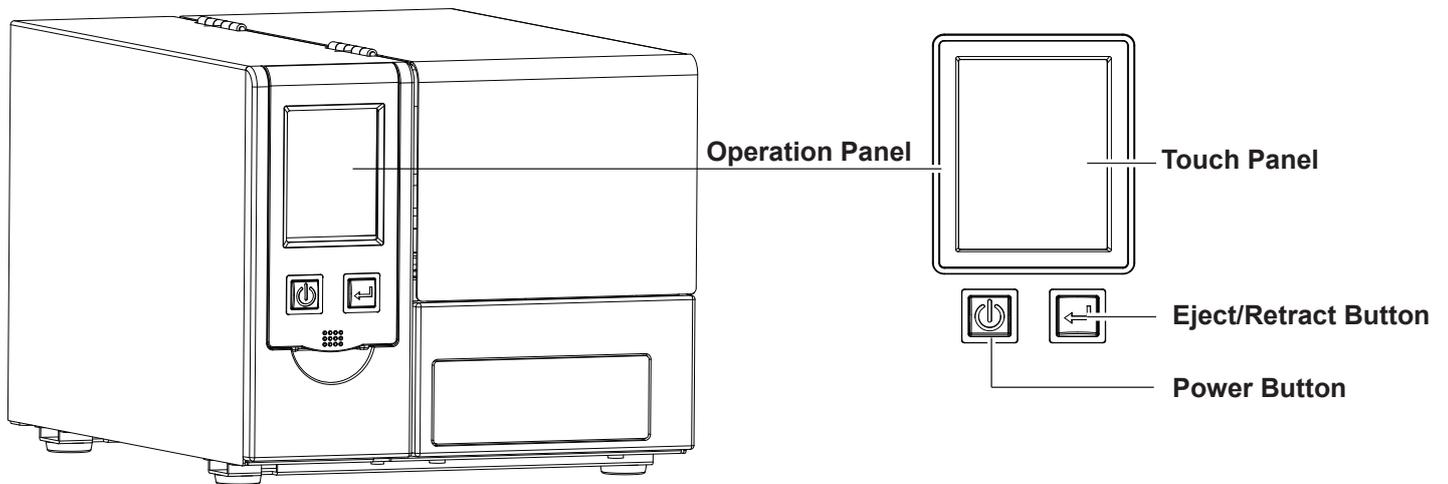


5. User is available for modifying the name of thermal transfer printer or direct saved in default one. Click the button "Next", show at the left left, then click the button "Finish" to complete the drive program installation.



# 3 Printer Setting and Control

## 3.1 Operation Panel



After confirming that the power cord is properly connected, press the power button, the LCD screen will start to light up, and "Ready" will be displayed, indicating that the printer is currently "ready to print". With the power on, keep pressing the power button for more than three seconds to turn off the printer.

### **Eject/Retract Button**

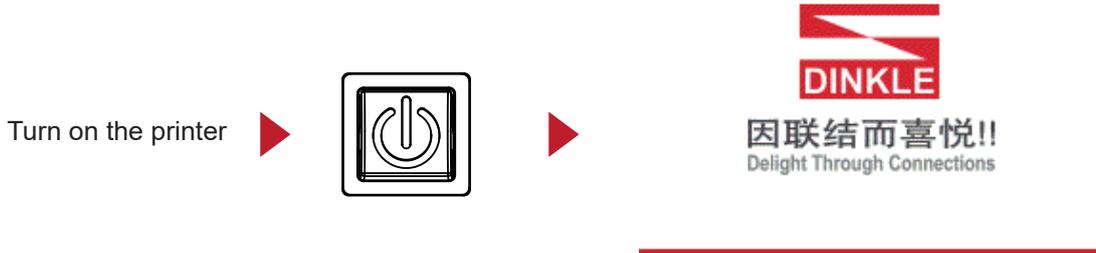
Press "FEED" button, the thermal transfer printer will release/return the slide guide.

# 3 Printer Setting and Control

## 3.2 LCD Interface Introduction

### Steps

Press the power button to start the printer and start the screen.



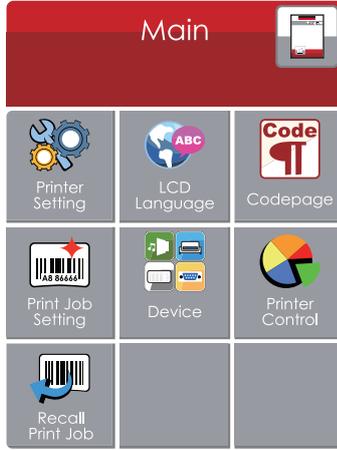
When the thermal transfer printer is turned on, a "Ready" message will appear on the LCD screen indicating that the printer is ready to print. Using touch gestures, various operations, settings, and the like can be performed on the main screen.



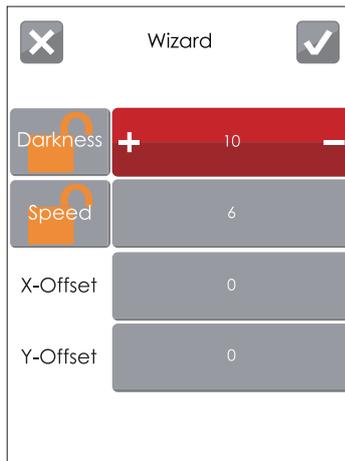
To select an item on the screen, just click on it with your finger.

# 3 Printer Setting and Control

You can start with this "Ready" screen and do various settings for the thermal transfer printer.

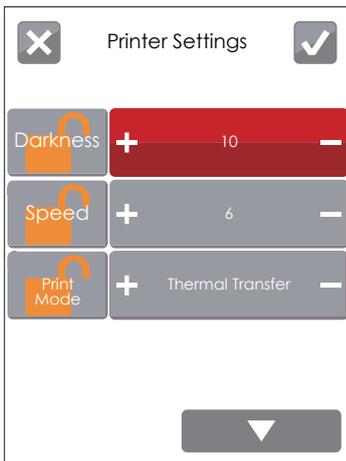


Click on "Main" --  
Check out more thermal transfer printer settings.



Click on "Wizard"--  
Set the temperature level, printing speed, horizontal displacement, and vertical displacement of the thermal transfer printer.

# 3 Printer Setting and Control

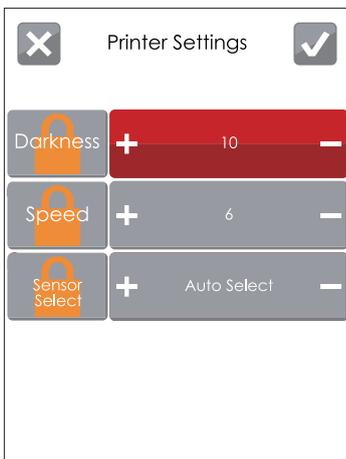


Set completed click

Do not want to save, click to return to the Main Page, the system will not make any changes.



Tap to Ready screen.



Unlock



lock

▶ If the printer's function key is locked, you cannot receive an external command (Dinkle Label)

## Icon definition



To upper level

Appears on the NAVIGATION ICON of Setting Pages. It guides you back to upper level by touching display upper right icon.



To main page

Appears on the NAVIGATION ICON of Setting Value Pages. It guides you back to main page by touching display upper left icon.



Lock

On Setting Value pages, touch display icons to lock the value for preventing unexpected change.



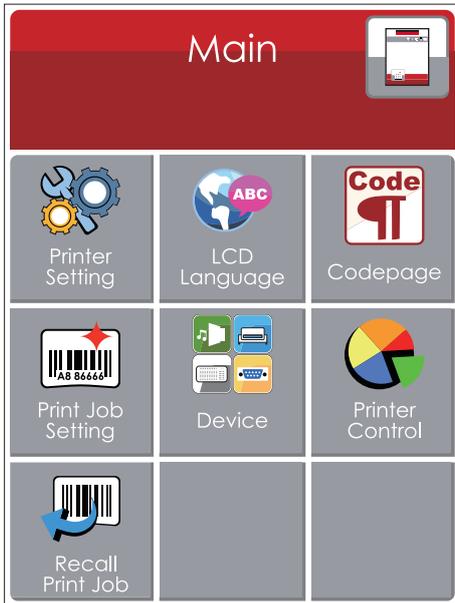
Unlock

Touch display icons again to unlock the value.

# 3 Printer Setting and Control

## 3.3 LCD Interface Function

### Main Page



Setting items for printer, ex. Printing speed, darkness. Also includes a Printing Wizard for your ease of printing.

---



More than 10 languages of printer setting.

---



It consists of a table of values that describes the character set for a particular language.

---



Setting items for printing label, ex. Rotation, Printing position offset.

---



Option modules and connection port settings.

---



Self-Diagnose functions for printer, ex. TPH testing, self-test page printing.

---

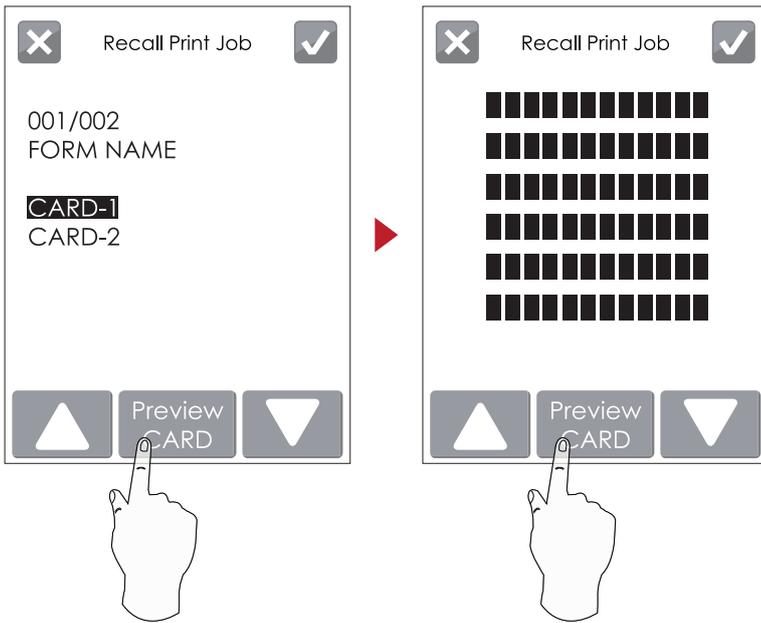


Recall Label.

---

# 3 Printer Setting and Control

 Instruction of Recall Print Job.



In the Recall Print Job screen, you can view all the print files inside the printer.



Click "Up" to select the file.

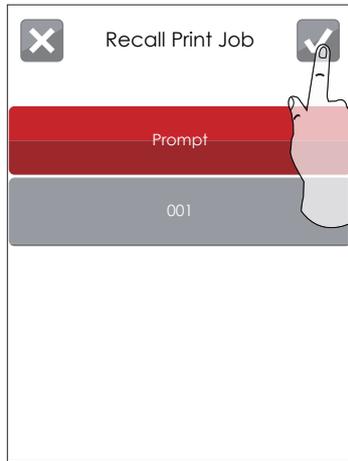


Click "Down" to select the file.

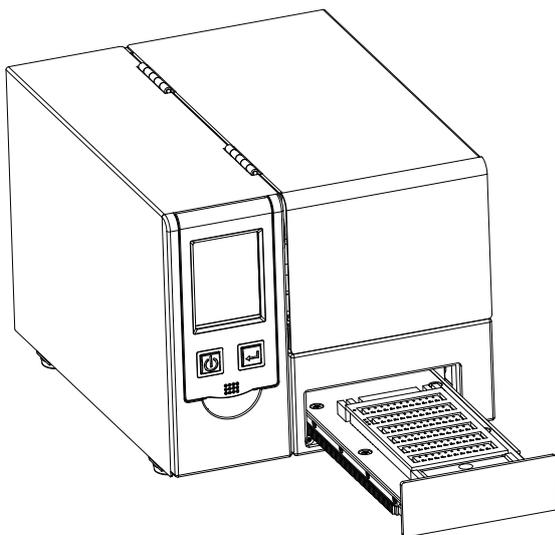
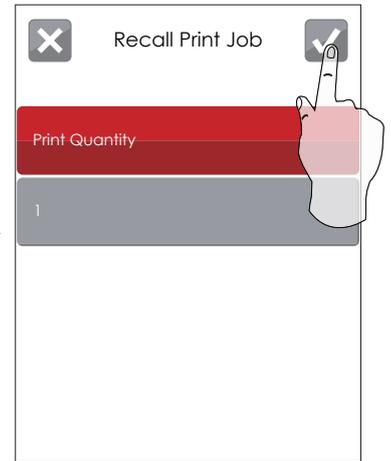


Click "Preview Card" to preview the status of the file you are about to print.

Continuous click   Go to the next page



Set the number of printing label (default setting is 1), and tap  to start printing.



Print out the selected marking plate.

# 3 Printer Setting and Control

## Device



Setting off or on for buzzer.

---



Setting it ems for options, e.x. Cutter, Label Dispenser, Applicator.

---



Programing Language.

---



Setting it ems for Serial Port, ex. Baud Rate, Parity, Data Bits, Stop Bits.

---



Setting it ems for LAN, ex. Port NO., DHCP, Dynamic IP, Default Gateway, Subnet Mask.

---



Setting items for LCD, eg. Password, Cabriliation.

---



Setting it ems for Clock, ex. Year, Month, Day, Hour, Minute.

---

# 3 Printer Setting and Control

## LED mode option list



Thermal transfer printer settings	Print darkness	0-19 (Suggested darkness: 15)
	Printing speed	1~2 ips (Suggested speed: 1)
	Print mode	Thermal transfer
	Stop point setting	0-40
	Print positioning	Apply Cancel



### Panel language

English
Deutsch
繁體中文
簡體中文
Français
Español
日本語
Italiano
Русский
Türkçe



### Code Page

850
852
437
860
863
865
857
861
862
855
866
737
851
869
Win1252
Win1250
Win1251
Win1253
Win1254
Win1255
Win1257



### Marking plate setting

Rotate
Horizontal displacement
Vertical displacement
Print adjustment

# 3 Printer Setting and Control



Device

Buzzer	Apply	
	Cancel	
Equipment Setting	None	
Pre-print	Apply	
	Cancel	
Communication settings	Baud rate	4800 bps
		9600 bps
		19200 bps
		38400 bps
		57600 bps
		115200 bps
	Parity value	Non
		Odd
		Even
	Data length	7 bits
	8 bits	
Stop bit number	1 bits	
	2 bits	
Network settings	DHCP	On
	IP	192.168.102.076
	Submask	255.255.255.0
		192.168.0.254
LCD Setting	Brightness	5
	Contrast	5
	Power Saving	15
		OFF
Time setting	Year	
	Month	
	Date	
	Hour	
	Second	
Thermal transfer printer control	Test	
	Sample Pattern	
	Select Memory	
	Clear Memory	
	Calibration	
	Reset to Default	
Print wizard	Print darkness	0-19 (Suggested darkness: 15)
	Printing speed	1~2 ips (Suggested speed: 1)
	X-Offset	
	Y-Offset	



# 3 Printer Setting and Control

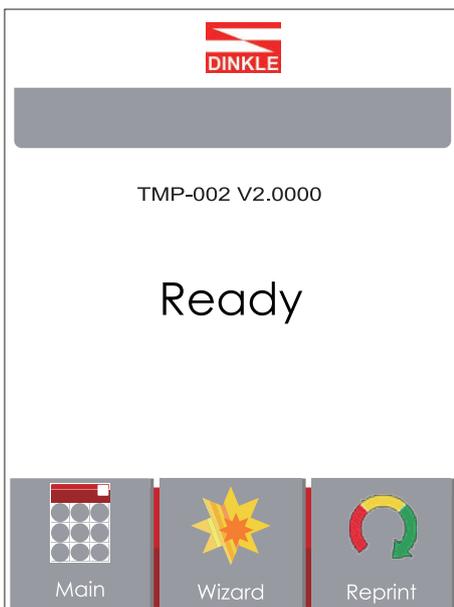
## Status of LCD Interface

When printer is on standby status (ready to print), the LCD interface will display "Ready" on screen. Thermal transfer printer only works on the Ready status.



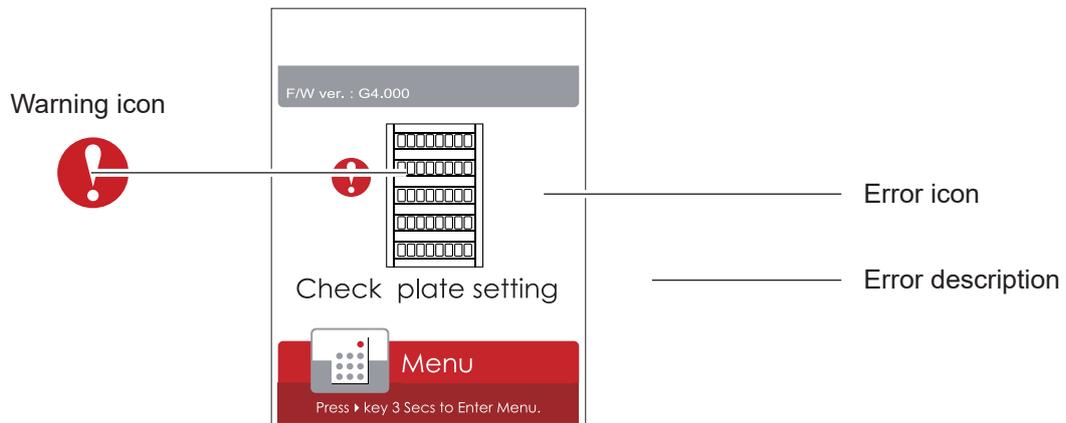
## Status of LCD Interface

After the execution of the print order, "Reprint" will appear in the lower right corner of the LCD. After pressing, the last print will be directly repeated.



# 3 Printer Setting and Control

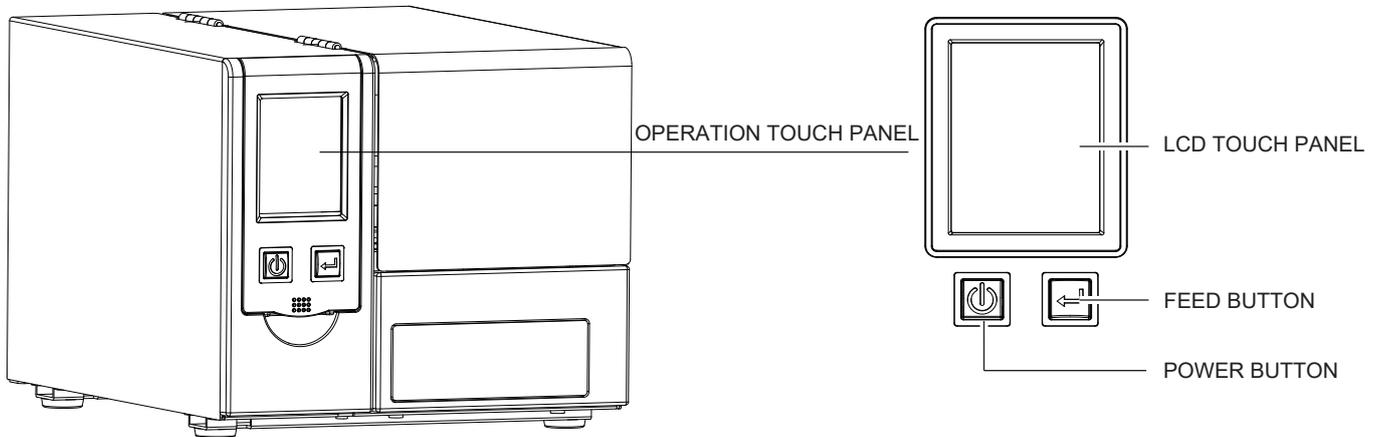
If there is any printers error, the LCD screen will display the error screen to show the type of error. You can fix the error according the notice.



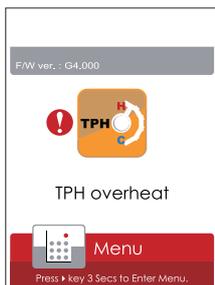
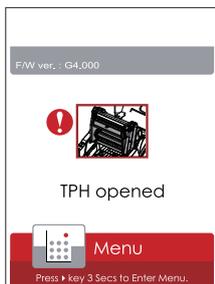
# 3 Printer Setting and Control

## 3.4 Error Alerts

In the event of a problem that prevents normal functioning of the printer, you will see an error message on LCD screen and hear some beep signals. Please refer to below table for the error alerts.

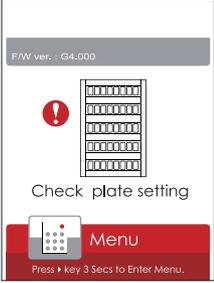
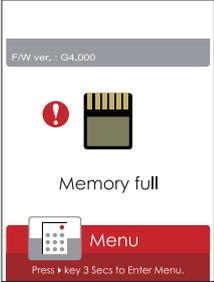


### Operation Panel Status



Type	Beeps	Description	Solution
Print Head Error	2 x 4 beeps	The printing mechanism is not correctly closed.	Open the print mechanism and close it again.
Print Head Error	None	High temperature at the print head.	Once the print head has cooled down, the printer switches to standby mode.
Media Error	2 x 3 beeps	No ribbon is installed and the printer displays an error.	Please reload carbon ribbon and keep pressing the button "FEED" for 5 seconds to eliminate abnormality.
		The ribbon is finished or the label supply hub is not moving.	Please reload carbon ribbon and keep pressing the button "FEED" for 5 seconds to eliminate abnormality.

# 3 Printer Setting and Control

Operation Panel Status	Status	Beeps	Description	Solution
	Media Error	2 x 2 beeps	No label card is detected	Please make sure if the label is placed. Insert in the label and press the button "FEED" to eliminate abnormality. If the sign still not detected, please check if the detection hole is abnormally blocked or the detector position is abnormally shifted.
			Printer feed problem.	The label is not placed correctly or the location of the label detection hole cannot be found.
	File Error	2 x 2 beeps	The printer will display "File System Full" , which indicating the memory is full.	Delete unnecessary data or install additional memory.
			The printer will display " File Name Not Found" , which indicating the marking label is unable to find.	Please make sure whether the files exist in the printer.
			The printer will display "Duplicate Name" , which indicating the file name already exists.	Please change file name or delete the duplicate file for downloading again.

# 3 Printer Setting and Control

## 3.5 USB Host

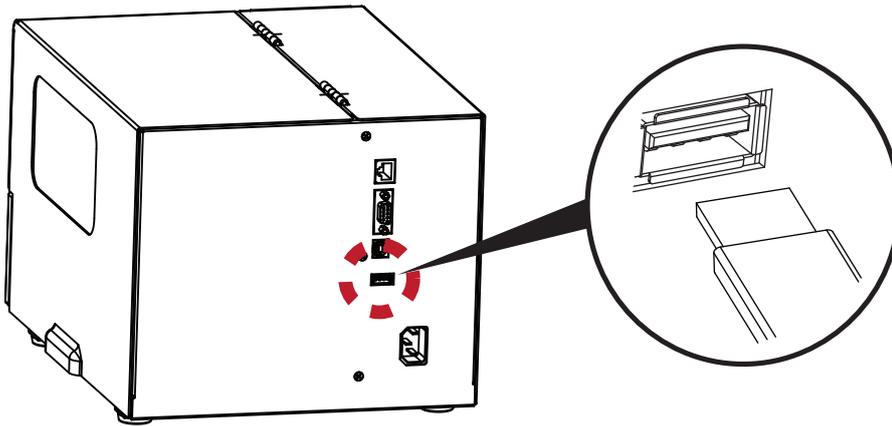
Definition : USB Host port supports either device : USB memory stick, keyboard or scanner.

### Purpose

- Connect with USB flash drive as extending memory which can save the label files or firmware. It can print label files or update firmware version of printer via USB flash drive.
- Connecting an USB keyboard to printer for “Keyboard Mode” mode operation.
- Plug-in an USB scanner to operate the printer in “Keyboard Mode” .

### Usage of Extended Memory

- Insert the USB flash drive into the slot of thermal transfer printer and download the file to the printer via PC. The thermal transfer printer will actively create the required folder and label file in the USB flash drive (the label file downloaded when the USB flash drive is inserted will be saved in the USB flash drive not in the firmware), and user can print the label file via USB flash drive.



### Usage of Firmware Update

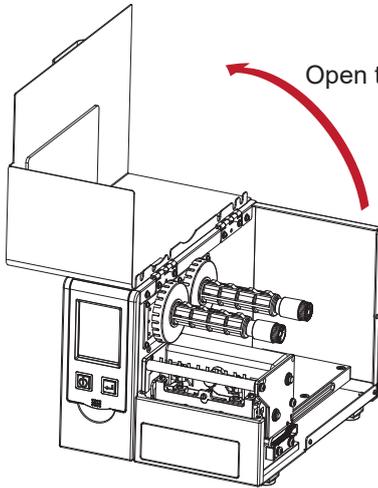
- Remove USB memory stick from printer and plug-in it to a PC's USB port; delete Firmware “\*.bin” file from “\LABELDIR\FW” of USB memory stick if it existing; or create a Folder “\LABELDIR\FW” to USB memory stick if it doesn't existing.
- Copy a new version of Firmware “xxxx.bin” to the Folder “\LABELDIR\FW”; and then remove USB and plug-in back to the printer that going to update Firmware.
- The printer will update the Firmware automatically when plug-it-into the printer and printer find-out the Firmware in “\LABELDIR\FW” is newer version.
- Don't take out the USB flash drive while it's under updating with “Writing Flash...” message that displays on LCD panel.

# 4 Maintenance and Adjustment

## 4.1 Cleaning the thermal print head

Dirt on the print head or ribbon may result in inadequate print quality (there are only partial images on the label). The printer cover should therefore be kept closed when possible.

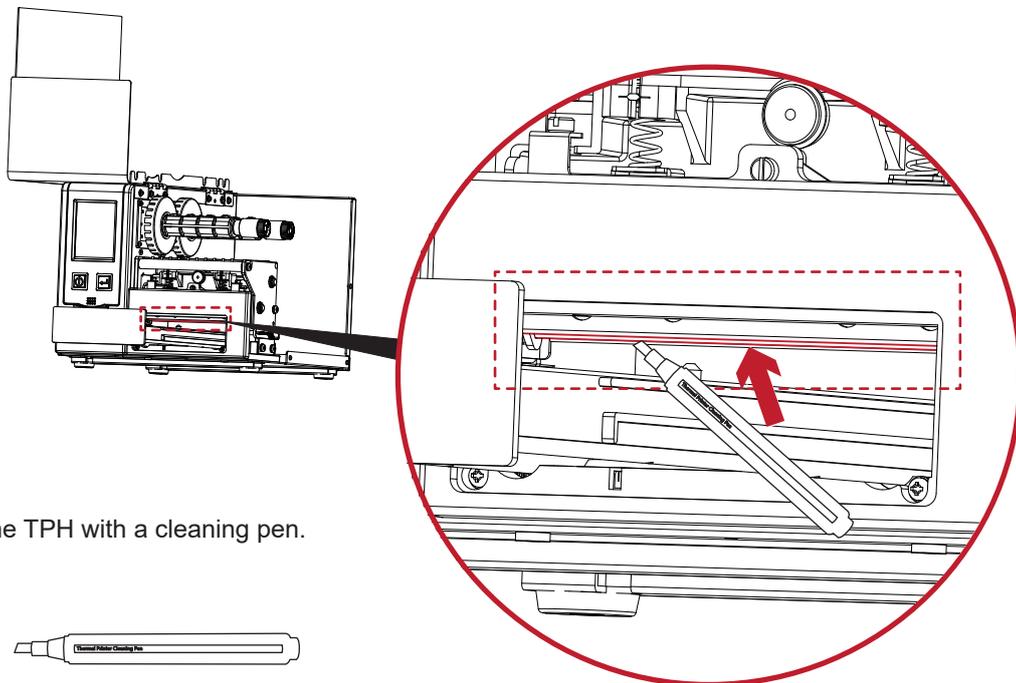
Keeping dirt and dust away from the marking plates ensures a good print quality and a longer lifespan of the print head. Here is how you clean the print head:



Open the printer cover.

	Fixed Slide Rail Status: prevent slide rail from moving (it does not allow to print)
	Unlock Slide Rail Status: it allows to print
	Maintenance Status: the slide rail can be pulled out

Switch the Slide Rail Safety Lock to the Maintenance Status, turn on the power, press the button "Feed" to release the Slide Rail, then turn off the power, and pull out the Slide Rail.



Wipe the TPH with a cleaning pen.

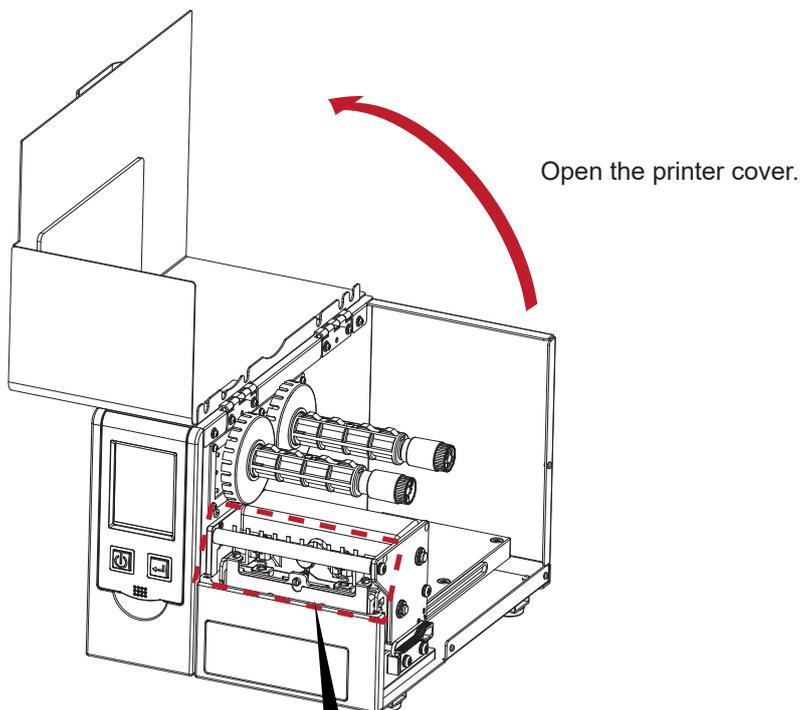


### Note

\* The print head should be cleaned once a week.

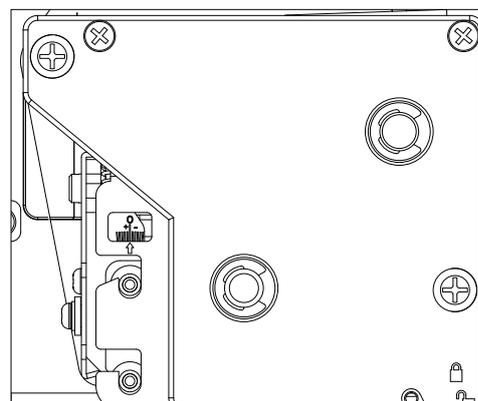
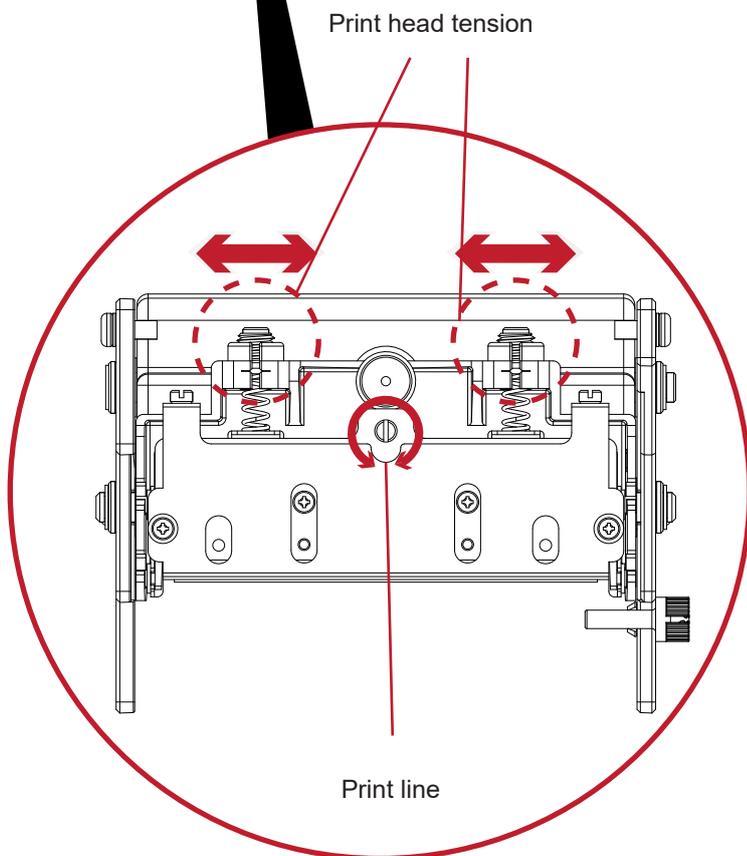
# 4 Maintenance and Adjustment

## 4.2 Adjusting the print line and print head tension



Use a screwdriver to make adjustments

Turning the screw clockwise increases the pressure, while turning it counterclockwise reduces the pressure.



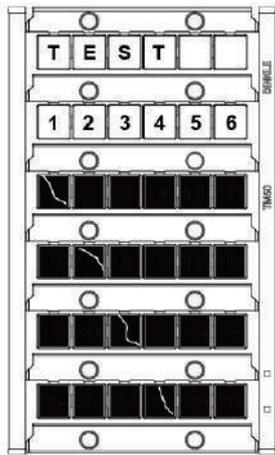
### Note

- \* Adjust beyond the original setting value may easily cause the print quality degraded. Please read the user manual carefully before fine adjustments, it must be returned to the original factory for repair if improper adjustment causes damage.

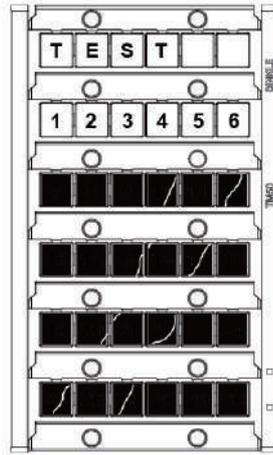
# 4 Maintenance and Adjustment

## 4.3 Ribbon shield settings

The use of different ribbon materials may cause wrinkling of the ribbon, which in turn affects the print result as illustrated by the examples in (a) and (b). To change the print quality, you can adjust the ribbon shield screws. If your print result looks like the example in (a), you need to turn the left ribbon shield screw counterclockwise. If your print result looks like the example in (b), you need to turn the right ribbon shield screw counterclockwise.

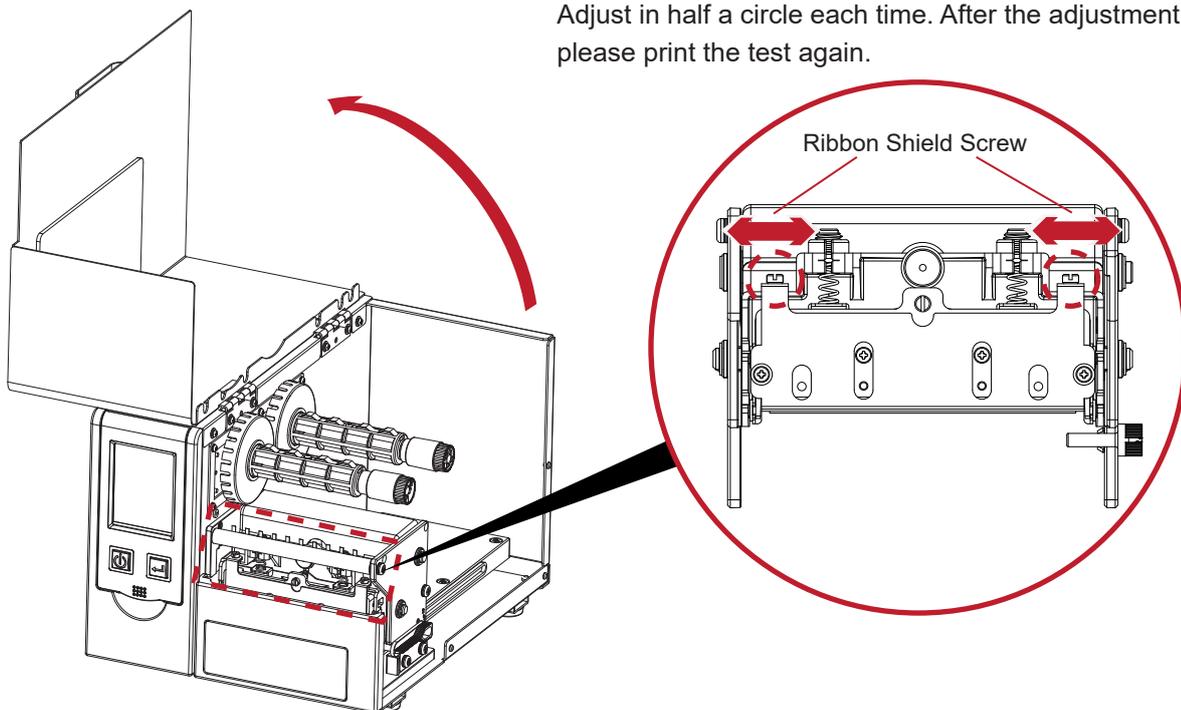


(a)



(b)

Adjust in half a circle each time. After the adjustment, please print the test again.



# 4 Maintenance and Adjustment

## 4.4 Troubleshooting

Problem	Solution
The printer is switched on but the LED does not light up.	<ul style="list-style-type: none"><li>◆ Check the power supply.</li></ul>
The LED lights up red and printing is interrupted.	<ul style="list-style-type: none"><li>◆ Check the software settings (driver settings) or command codes.</li><li>◆ Check whether the print mechanism is closed correctly.</li></ul>
The label stock passes through the printer but no image is printed.	<ul style="list-style-type: none"><li>◆ Please make sure that the marking plate is loaded the right side up and that it is the suitable material.</li><li>◆ Choose the correct printer driver.</li><li>◆ Choose the correct marking plate and a suitable printing mode.</li></ul>
There is no printed image on some parts of the label.	<ul style="list-style-type: none"><li>◆ Check whether there is any label material or ribbon stuck to the thermal print head.</li><li>◆ Check for errors in the application software.</li><li>◆ Check whether the starting position has been set correctly.</li><li>◆ Check the ribbon for wrinkles.</li></ul>
There is no printed image on part of the label or the image is blurred.	<ul style="list-style-type: none"><li>◆ Check the thermal print head for dust or other dirt.</li><li>◆ Check the quality of the print medium.</li></ul>
The printed image is positioned incorrectly.	<ul style="list-style-type: none"><li>◆ Check whether the starting position has been set correctly.</li></ul>
The printed image is blurred.	<ul style="list-style-type: none"><li>◆ Check the darkness setting.</li><li>◆ Check the thermal print head for dust or dirt.</li></ul>

### Note

\* If any problems occur that are not described above, please contact your dealer.

# 5 Dinkle Label

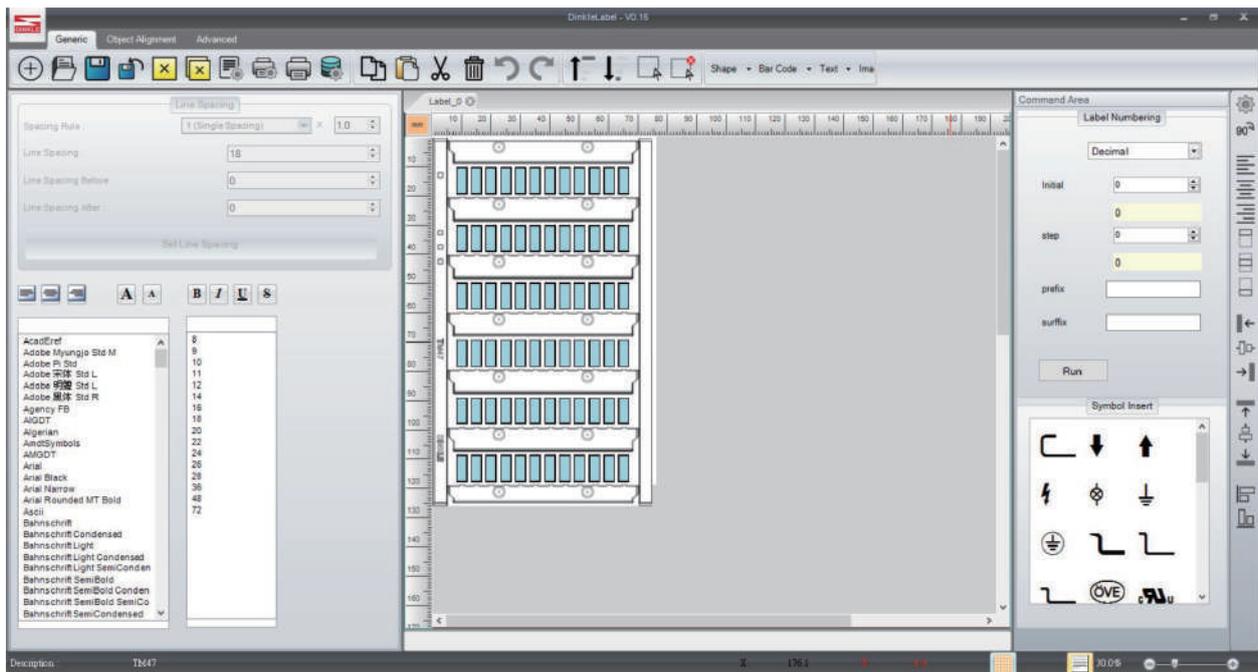
## 5.1 Brief Introduction

### 5.1.1 System Requirement

System Requirement	
CPU	1GHz and above
Memory	1GB and above
Hard Disk	50MB at least
Operation System	Support to Windows XP, Vista, 7, 8 and 10
Software Requirement	Installation required. NET Framework 3.5 SP1
Screen Resolution	1024 x 768 and above

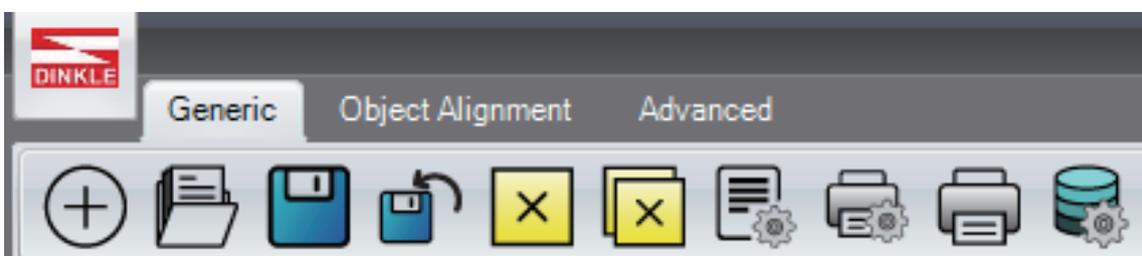
## Start using DINLE Label

Please visit the official website to download Dinkle Label software.  
The main page of software consist of three toolbars and two working areas.



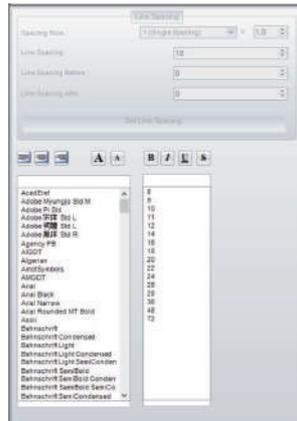
### (1) Toolbar:

- Horizontal toolbar : Contains of Generic, Object Alignment and Advanced.



# 5 Dinkle Label

- Vertical toolbar : Providing Shape, Bar code, Text and Graphics as options.



- Quick toolbar : Help to make global setup, label rotate and object alignment in efficient way.





# 5 Dinkle Label

## 5.1.2 General Introduction

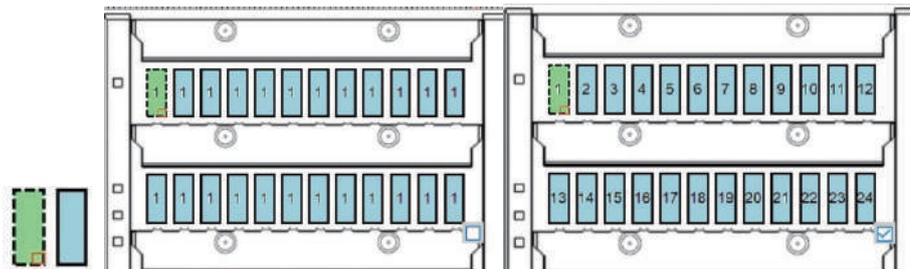
User can edit and save files of marking labels in Label setup area.

### Edit Tag

- User can enter text or digital number directly in tag or double-click the tag for more setup.
- Click the button “Delete” to clear up the info.
- Click the button “Tab” to select the next tag.
- Click the button “Ctrl” and “Z” to undo.
- Click the button “Ctrl” and “Y” to redo.
- Click the button “Ctrl” and “B” to make the text bold.
- Click the button “Ctrl” and “I” to make the text italic.
- Click the button “Ctrl” and “U” to underline text.
- Click the button “Ctrl” and “F” to search characters.
- Click the button “Ctrl” and “A” to select all.
- Hold Shift for quick select function.

### Duplicate tag info

Click and drag the lower right corner of the label to copy the content of the tag. If user tick in the replicated tag, the content will be displayed in a series. (See the image as below)



## 5.1.3 Command Area

Command area provides Label Numbering and symbol insertion for user quick selection.

### (1) Label Numbering:

Select the numerical system for counting : decimal, binary, octal, hexadecimal.

### (2)Initial:

Enter initial value for setting up.

### (3)step:

An increment from initial value.

### (4) Prefix:

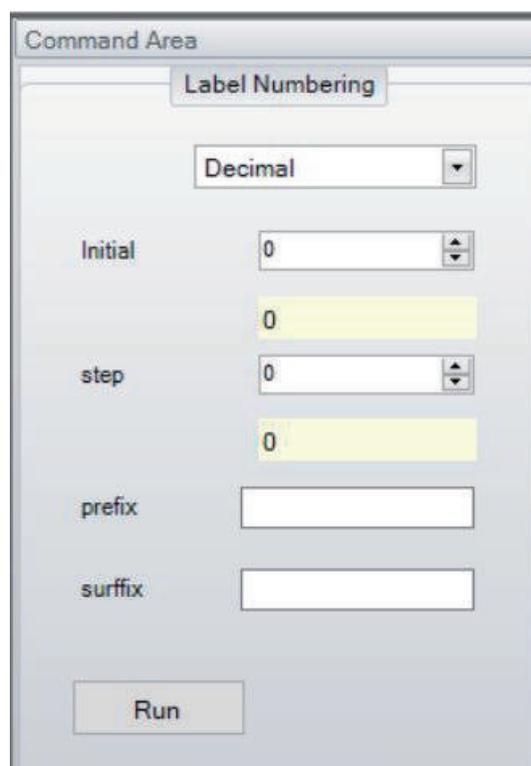
Setup prefix

### (5)Suffix:

Setup suffix.

### (6)Run:

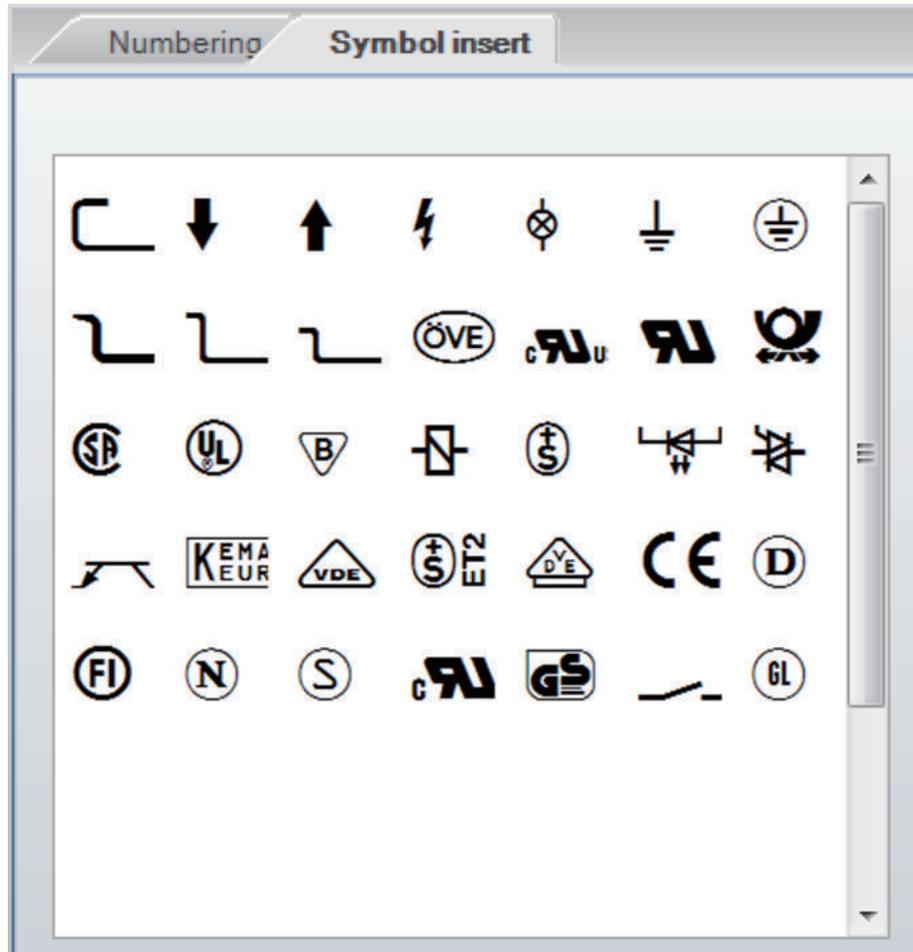
To carry out the numbering setup.



## 5 Dinkle Label

### Symbol insert:

Select a tag and insert the sign by double clicking graphic symbol.



# 5 Dinkle Label

## 5.2 General operation

### 5.2.1 New / Save marking label

#### New marking label

Choose "Generic" toolbar and click  sign for new marking label. Hot key : Ctrl + N.

#### Save marking label

Choose "Generic" toolbar and click  or  sign to save \*.ezpd file format. Save file hot key: Ctrl + S; Save as hot key: F12.

### 5.2.2 Open old file

Choose "Generic" toolbar and click  sign to preview or open \*.ezpd file format. Hot Key : Ctrl + O.

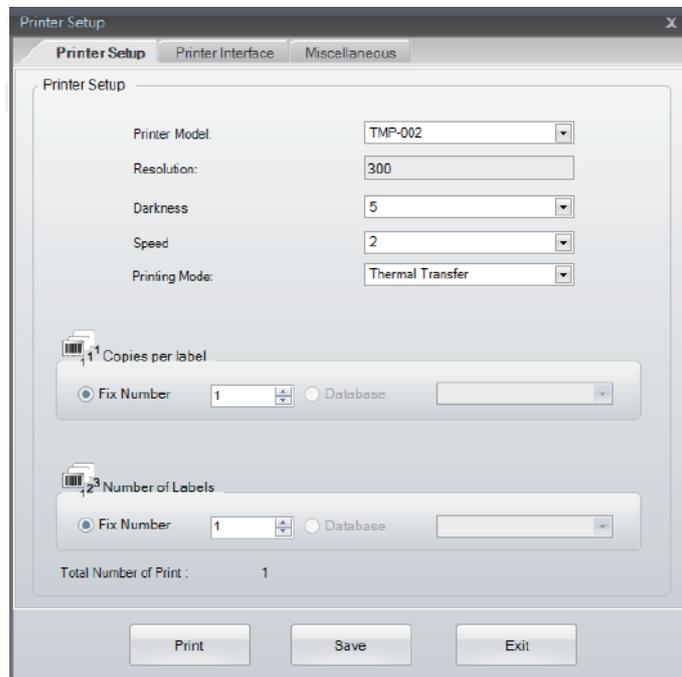
### 5.2.3 Printer Setup

Choose "Generic" toolbar and click  sign or right click in label editing area for printer setup.

# 5 Dinkle Label

## Thermal Printer Setup

- User can select to change, if the selection items cannot be made, it means the service doesn't provide.



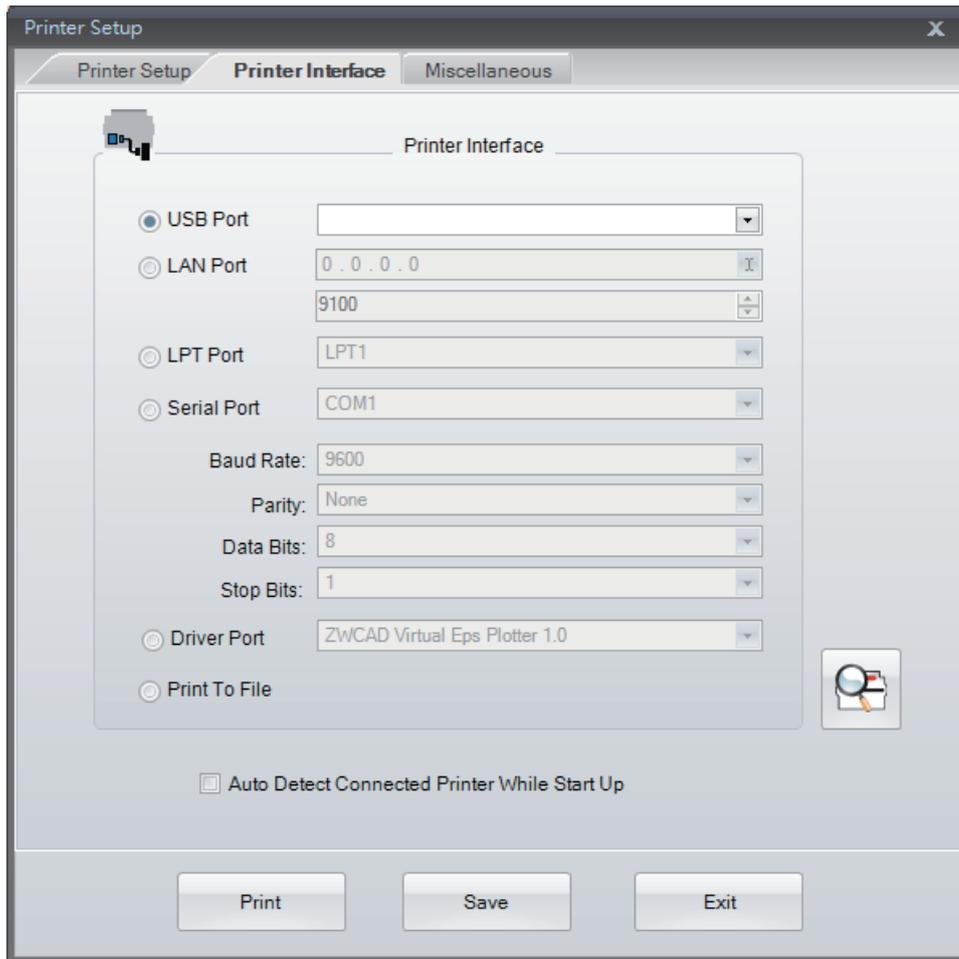
Menu	Function Description
<b>Printer Model</b>	The printer setup shows the parameters as the current model is.
<b>Resolution</b>	The software can detect its model number and shows the correspondent resolution.
<b>Darkness</b>	Printer setup range is 0~19, the larger the number, the darker the color. (Suggested darkness: 15)
<b>Speed</b>	Generally, speed setup is 1~2, it depends on different model select. The larger the number, the faster the printer. (Suggested speed: 1)
<b>Printe Mode</b>	The consumable is thermal paper, please select direct thermal mode. The consumable is ink, please select thermal transfer mode. If selection is wrong, the error sign might occur and cannot be printed.
<b>Copies per label</b>	Setup the numbers of duplication.
<b>Number of Labels</b>	Setup printing number of labels.
<b>Total Number of Print</b>	Shows total number of print.
<b>Suggested font &amp; size</b>	Alphanumeric- font suggest, Arial 12pt Traditional Chinese- font suggest, Microsoft JhengHei 12pt Simplified Chinese- font suggest, Microsoft YaHei font 12pt Japanese: font required, MS PGothic 12pt Insert Symbol- font required, DL_Symbol 12pt

# 5 Dinkle Label

## Printer Interface

Connection method: USB, LAN, LPT, Serial , Driver Port and Print to File as option.

- Mark checkbox of “Auto Detect Connected Printer While Set Up” if necessary.



## 5 Dinkle Label



- Click the search printer sign, it will scan connected printer automatically. The printer interface parameter will be setup as well.

Scanning Connected Printer							
	Interface Type	Printer Model	DPI (dot)	USB	Mac Address	IP Address	Port
	USB	TMP-002	300	DINKLE TMP-002#00000022			
	Network	TMP-002	300		00-1D-9A-47-77-16	192.168.102.233	9100

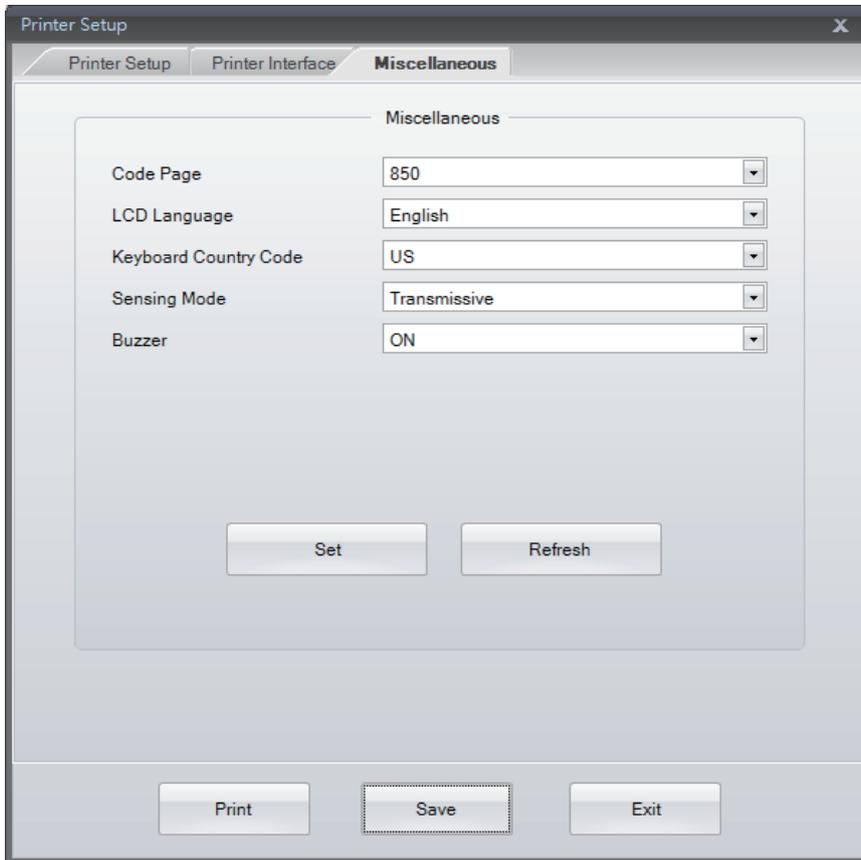
**Abort**

Scanning COM1 Port ...

# 5 Dinkle Label

## Miscellaneous

User can select to change, if the selection items cannot be made, it means the service doesn't provide.



Menu	Function Description
Code Page	It's a correspondence table list for Byte data and Character data, it calls the code page. The transmission data is Byte data from software to printer. The Page code can help to transform data from Byte to character. Once user select different language, the code page will be changed, too.
LCD Language	LCD shows 10 different languages.
Keyboard Country Code	Support to connect external keyboard and user can select keyboard country code.
Sensing Mode	Sensing mode was used to detect paper. Three modes, reflective, transmissive and automatic can be selected.
Buzzer	Setup the buzzer on or off.

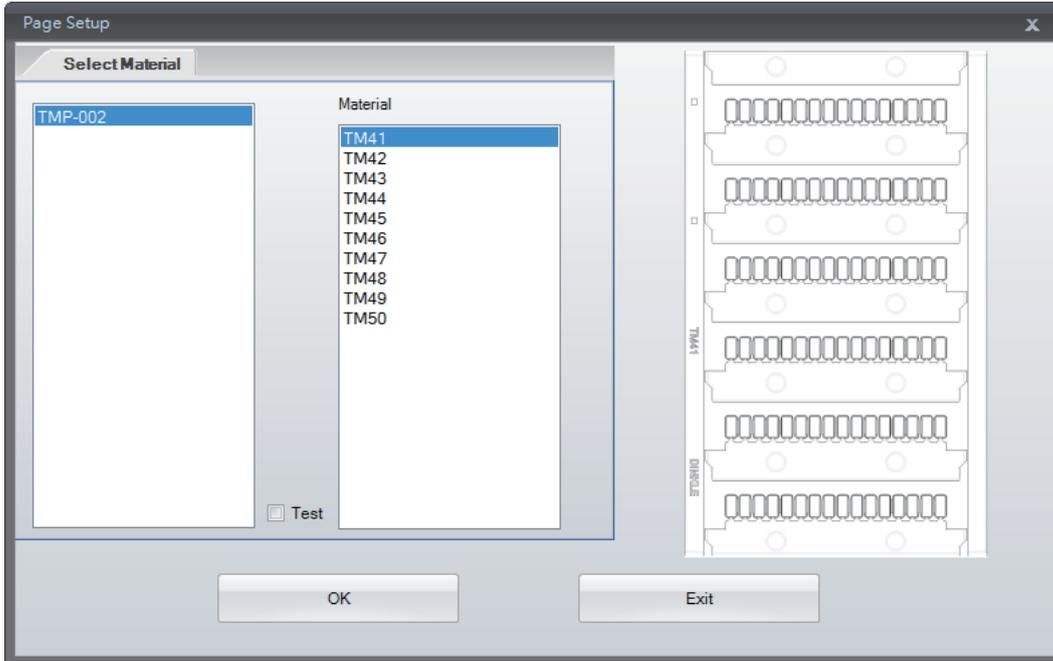
# 5 Dinkle Label

## 5.2.4 Page Setup

To create a new page setup, please select correspondent marking label.

### Select Material

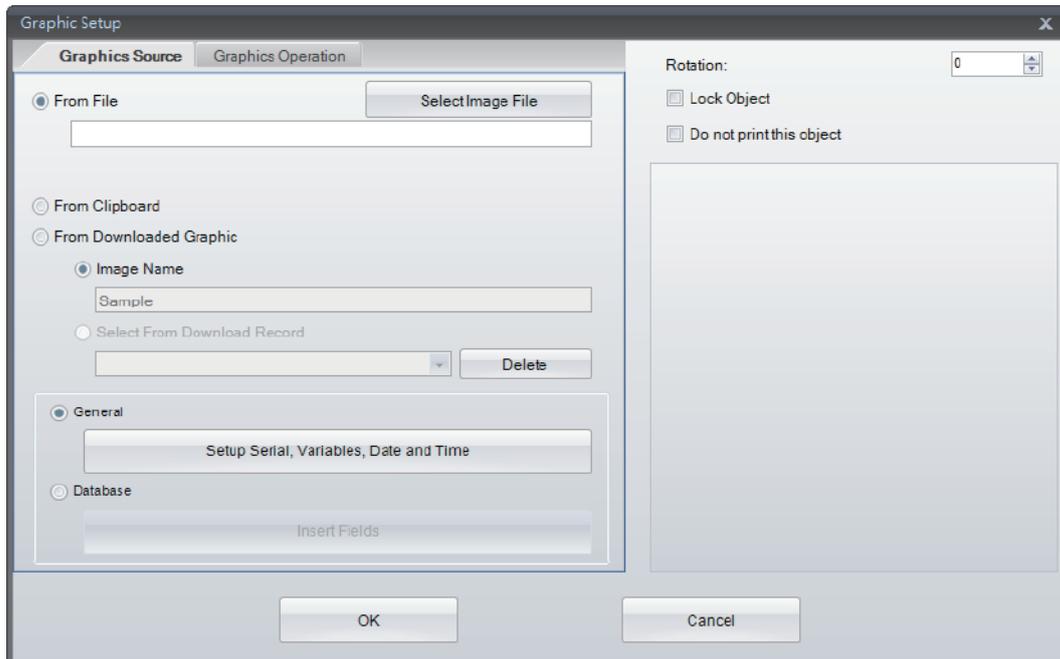
- Thermal Transfer Printer list : List supported printer.
- Material List : List supported marking labels.



## 5.2.5 Graphic setup



Choose vertical toolbar “Graphic” and click  sign, left click in label area for graphic setup menu.

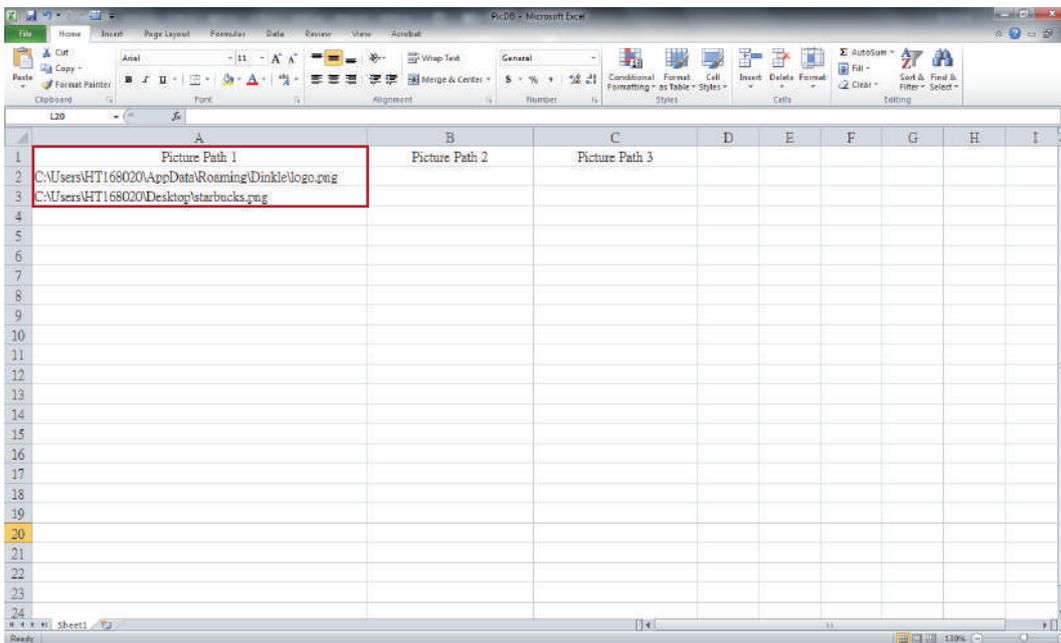


# 5 Dinkle Label

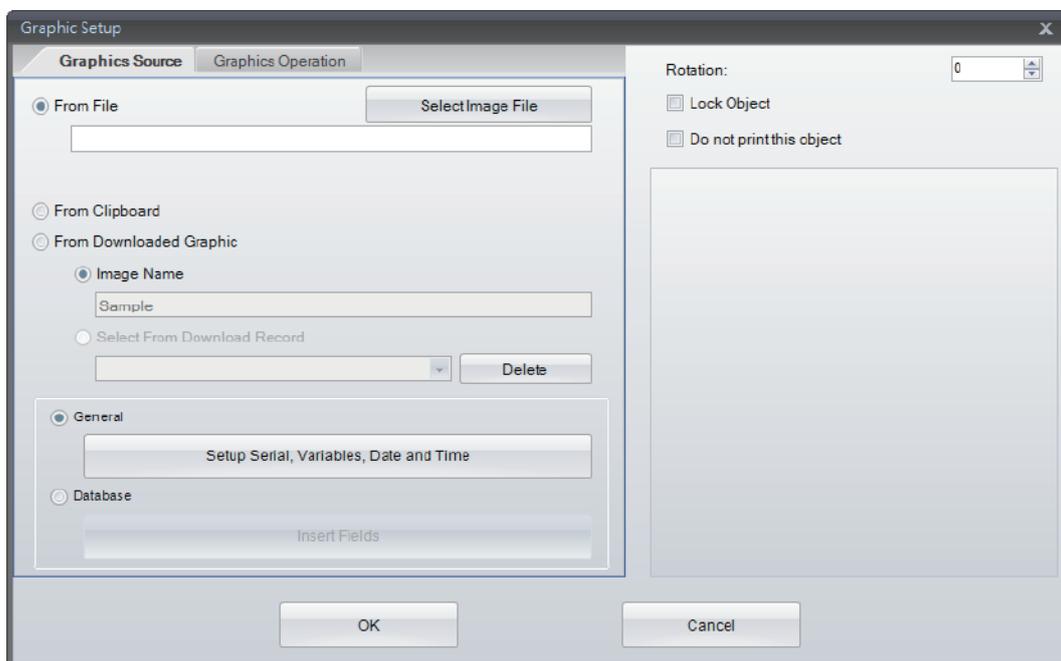
## (1) Graphic Source

- From File : Supported file format with \*.pcx, \*.png, \*.bmp, \*.wmf, \*.emf, \*.ico, \*.jpg, \*.jpeg, total 8 types of image files.
- From Clipboard : Copy files from Microsoft paint, this selection can be previewed prior to using it.
- From Donloaded Graphic : User can use downloaded Graphic files to print.
- General : To setup serial number, variables, data and time.
- Database : Insert fields support to SQL, Access, Oracle, Excel, Text & DBF database connection, user can click "Generic" toolbar to click  sign for more setup menu.

For instance : Using Excel to create a database of graphical paths.



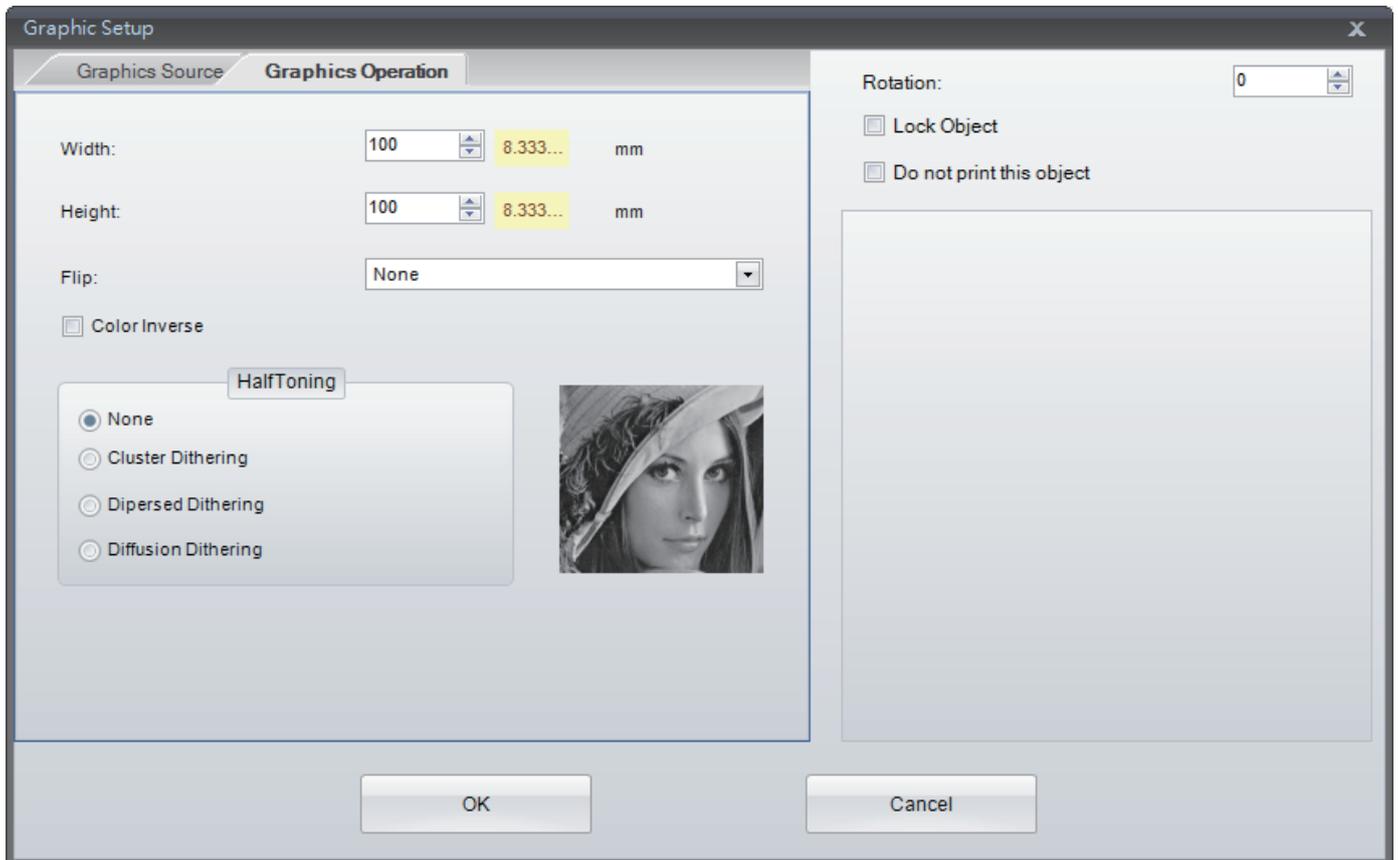
For database connection, please refer to chapter 4.2. If choose database as graphic source, the preview area shows the first path of graphic.



# 5 Dinkle Label

## (1) Graphic Setup

Graphic related settings, e.g. width, height, flip and half toning.

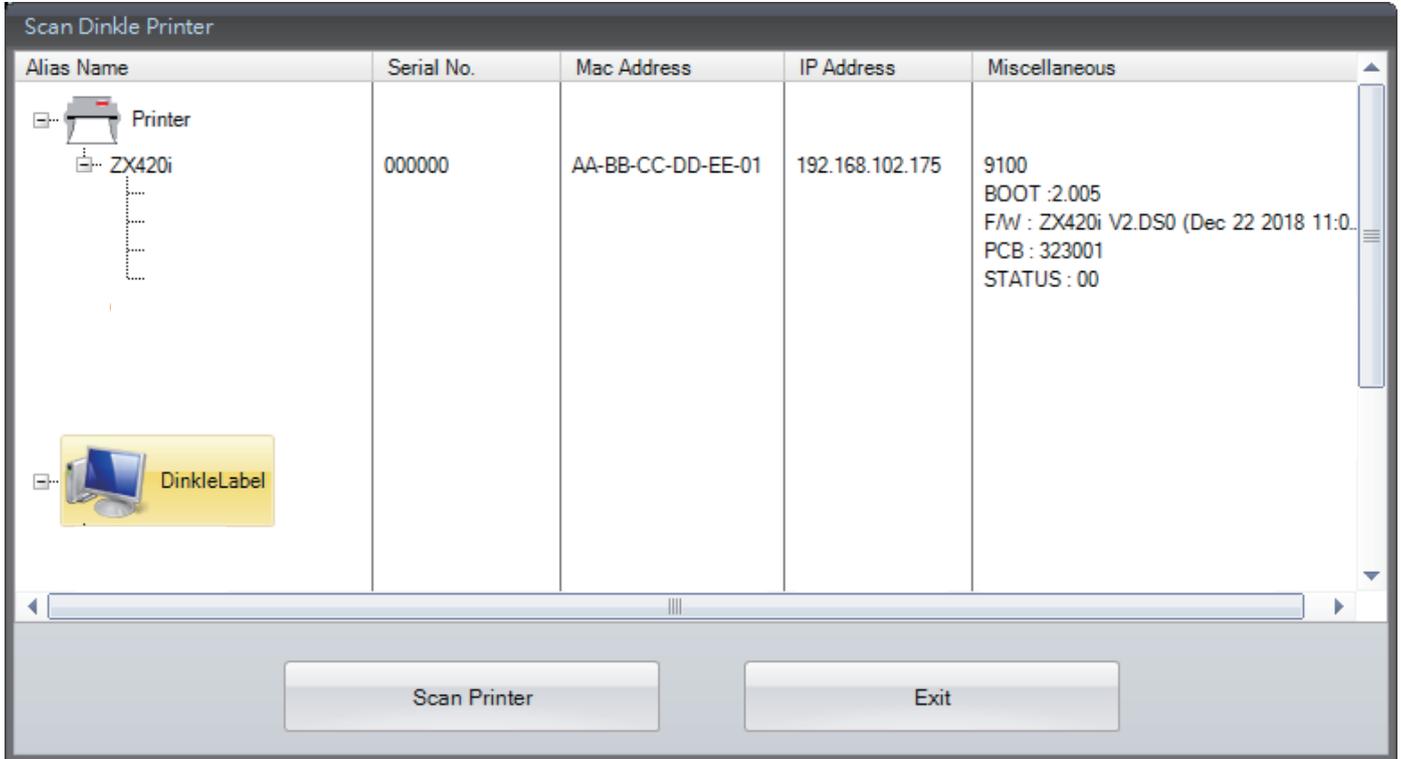


# 5 Dinkle Label

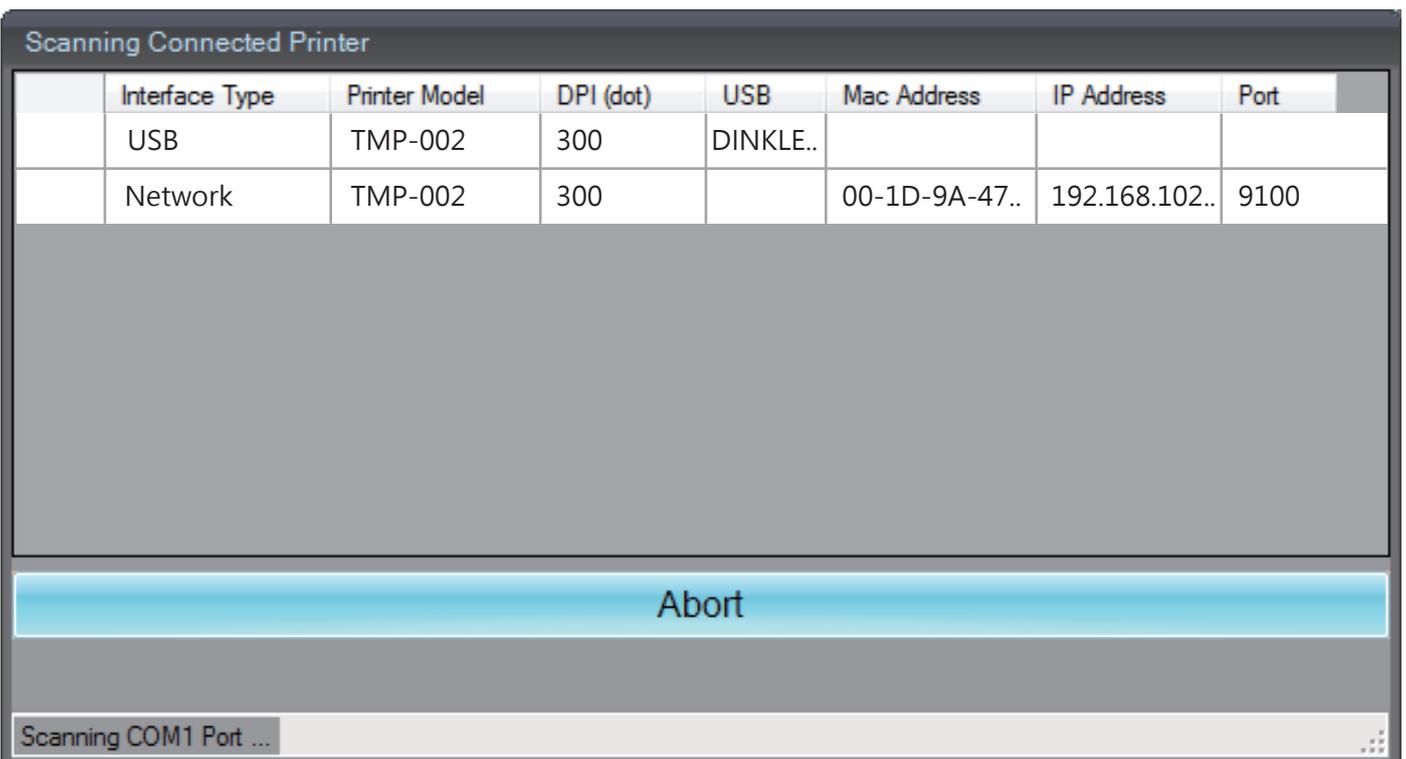
## 5.3.3 Search Dinkle Printer

### Connect to the Printer by Network

- Click on  icon to search for printer in the network and check if there are any model that the user could connect to.

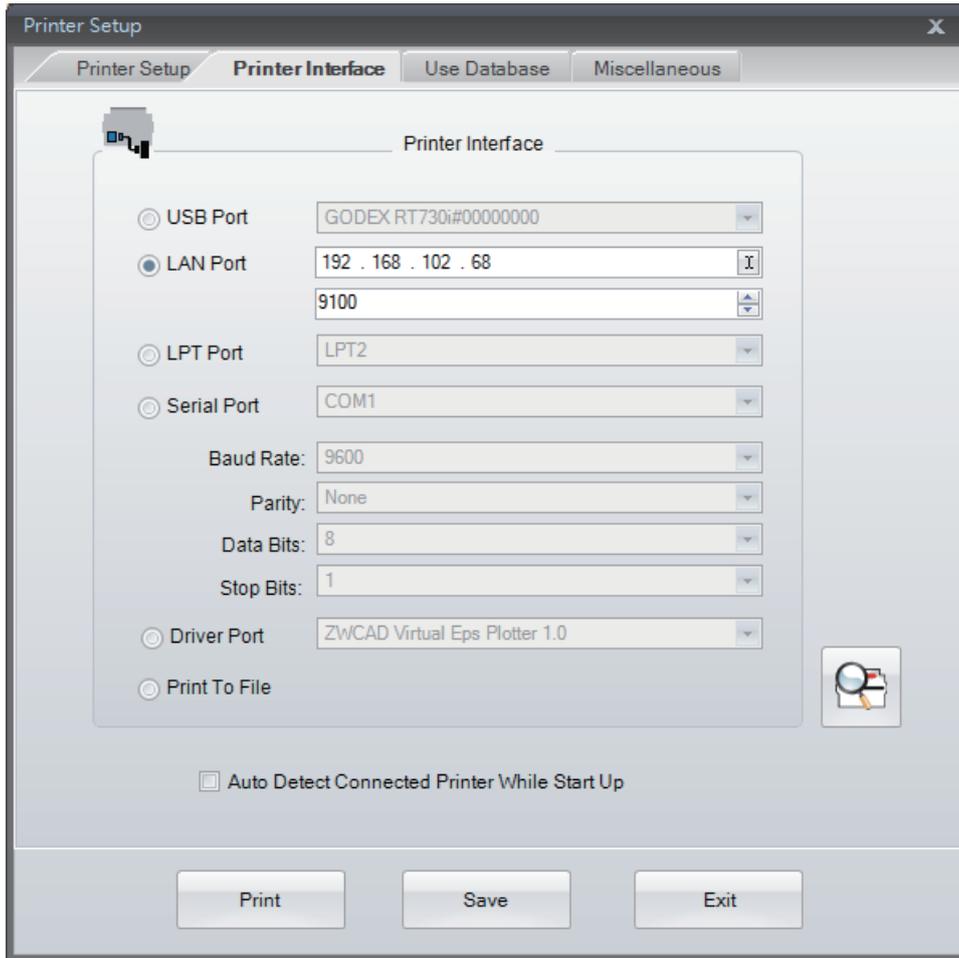


- Choose "Generic" on the Vertical Toolbar and click on  icon or right click on the Label Setup to choose the "Printer Setup" > Printer Interface page > click on  icon to click the corresponding Interface Type and Printer Model.



# 5 Dinkle Label

- Select LAN Port option in the Printer Interface page and click Save to complete connection.



## Set the printer IP address acquisition method



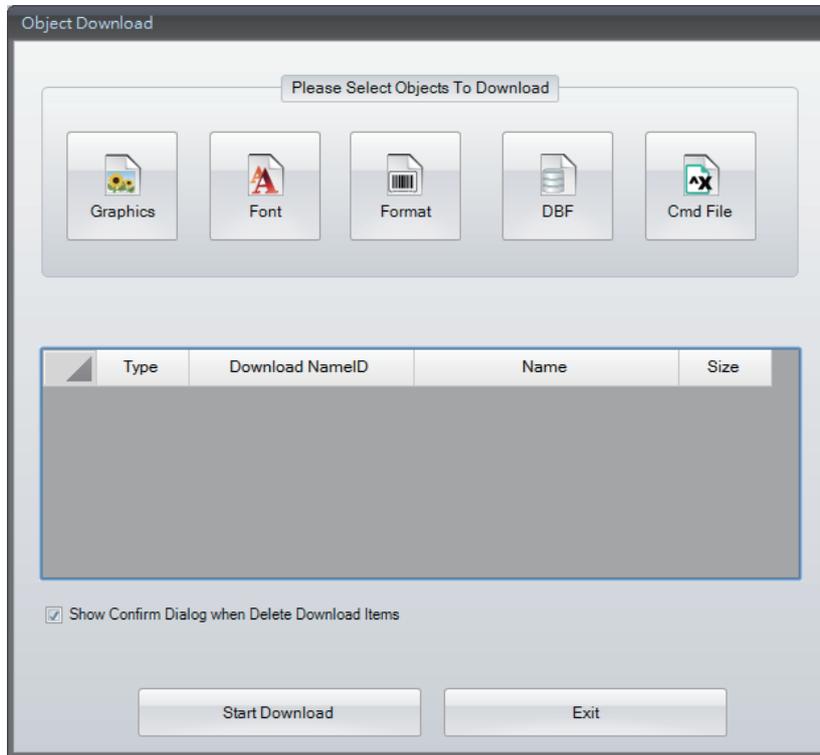
Choose "Advanced" on the Horizontal Toolbar and click on "Get IP From DHCP Server" or "Static IP" location.



# 5 Dinkle Label

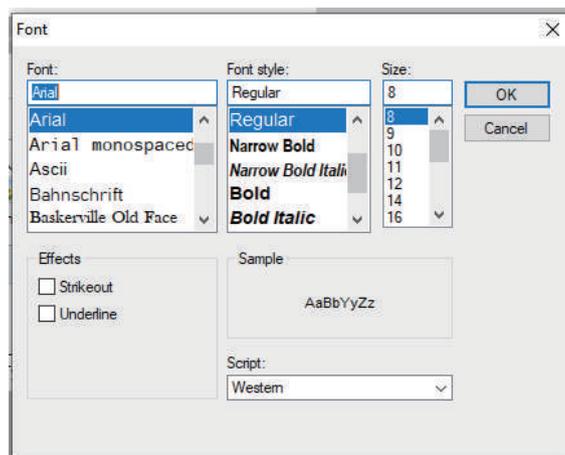
## 5.3.4 Download Objects to Printer

Choose “Advanced” on the Horizontal Toolbar, and click on  icon to display the “Object Download” window.

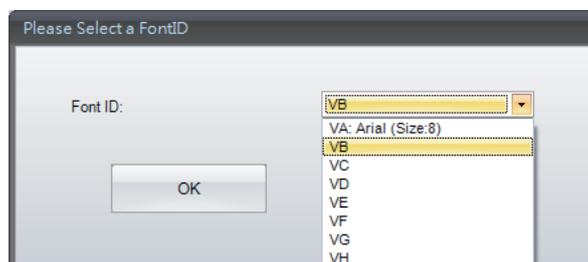


### Download font

- Click on  icon to display Font window.

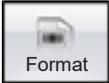


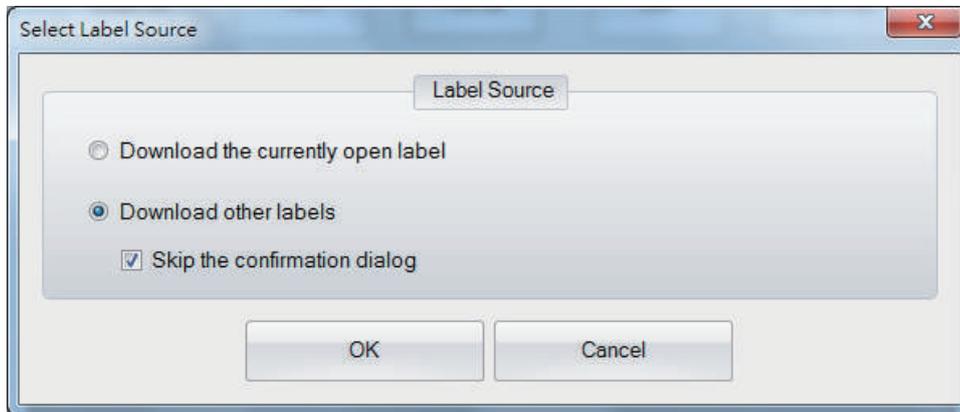
- Choose the supported font and type and click OK, and choose the Font ID in the “Please Select a FontID” window. Font ID allows download 26 types of font (from VA to VZ).



# 5 Dinkle Label

## Download Dinkle Label

- Click on  icon to display Select Label Source window. It allows choose download the currently open label or download other labels to printer. The file name can only be letter and digit.

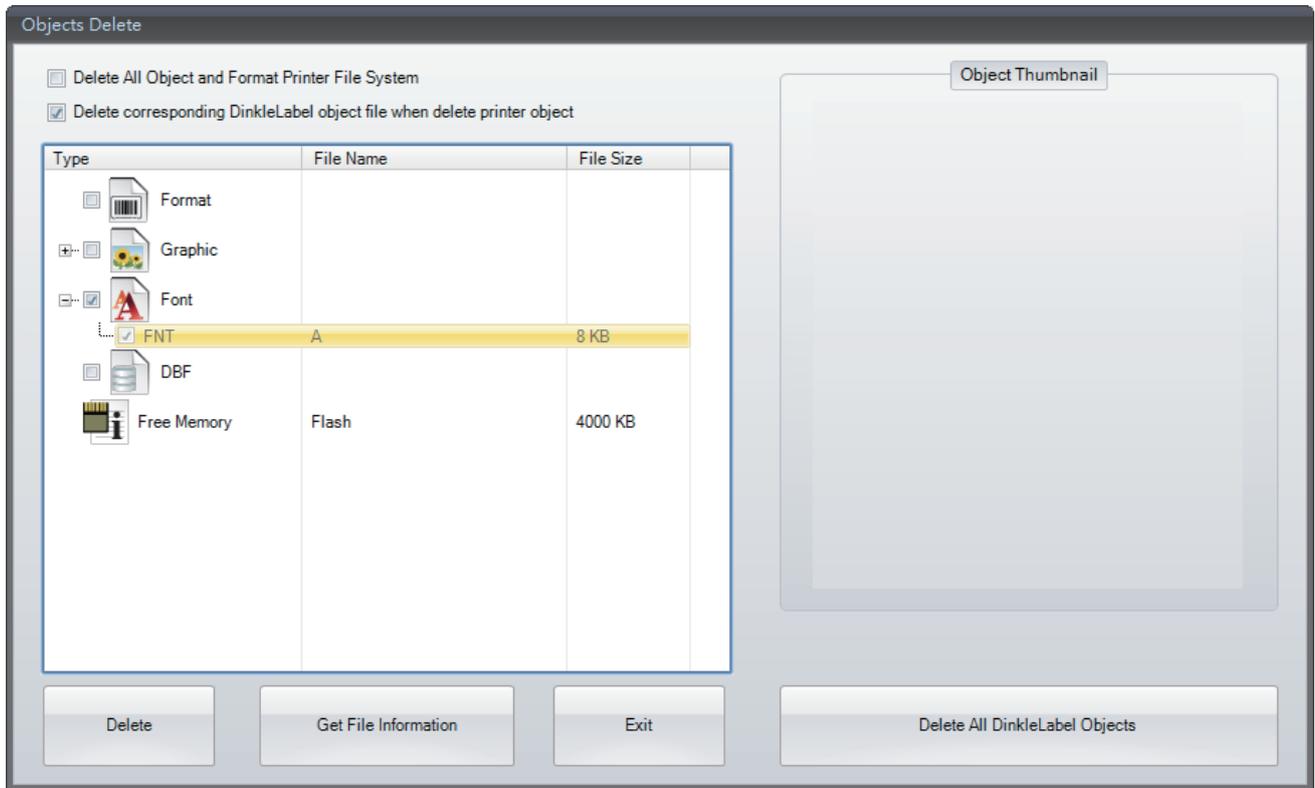


# 5 Dinkle Label

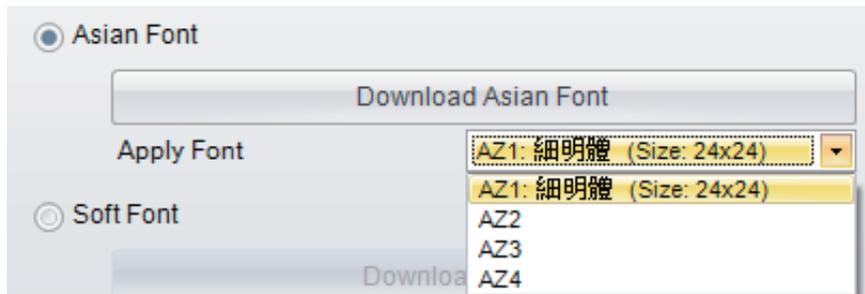
## 5.3.5 Delete the Printer Files



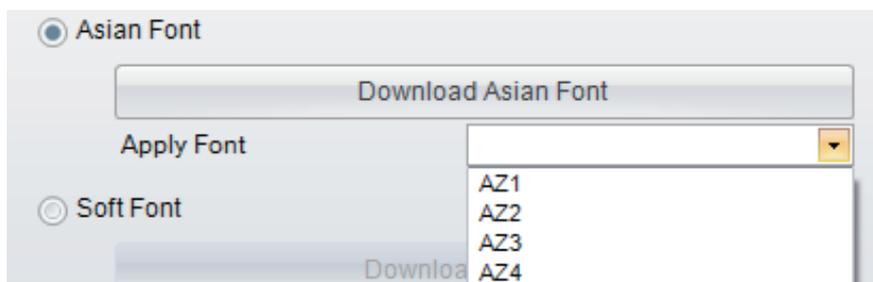
Choose "Advanced" on the Horizontal Toolbar and click on icon to display "Objects Delete" window.



- The downloaded objects to printer will display in the window.
- Delete : Select the file and press Delete, the file will be removed from printer memorise.
- Delete All Dinkle Label Objects :  
User could use Dinkle Labels to download files into printer, the software will memorize and offer the records for user to apply.  
For instance, download the Asian font, the software will record in pull-down menu with the apply for user selection.



When clicking the "Delete All Dinkle Lable Objects", system will only clear the records which have been downloaded.



# APPENDIX

Product Specifications

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Model	TMP-002
Resolution	300 dpi x 300 dpi
Print method	Thermal transfer
Processor	32-bit RISC CPU
Sensor	Material sensor; ribbon sensor
Print speed	Up to 4 inch / second
Print width/length	Maximum 104 / 140 mm
Print media width/length	Maximum 115 / 164 mm
Ribbon Length	Maximum 300 m
Outside diameter	Maximum 2.67" (68 mm)
Core diameter	1" (25.4 mm)
Ink side	Outside
Interfaces	USB 2.0,USB Host,RS-232,Ethernet 10/100Base-T
Display	2.4" Color TFT LCD
Power	Auto Switching 100-240V AC, 50-60Hz
Certification approvals	CE, FCC class B, CCC, BSMI

Thermal Transfer  
Printer

# APPENDIX

## Communication specifications

### Communication port specification

- Parallel port interface

Handshaking

Interface cable : Parallel transmission cable compatible with IBM PC

Pinout : As shown in the table below

Pin No.	Function	Transmitter
1	/Strobe	Computer/printer
2-9	Data 0-7	Computer
10	/Acknowledge	Printer
11	Busy	Printer
12	/Paper empty	Printer
13	/Select	Printer
14	/Auto-Linefeed	Computer/printer
15	N/C	
16	Signal Gnd	
17	Chassis Gnd	
18	+5V, max 500m'A	
19-30	Signal Gnd	Computer
31	/Initialize	Computer/printer
32	/Error	printer
33	Signal Ground	
34-35	N/C	
36	/Select-in	Computer/printer

- Serial port interface

Serial port factory setting: Baud rate 9600, no parity, 8 data bits, 1 stop bit, XON/XOFF protocol and RTS/CTS

RS232 Housing(9-pin to 9-pin)			
DB9 Socket		DB9 Plug	
-	1	1	+5V, max 500mA
RXD	2	2	TXD
TXD	3	3	RXD
DTR	4	4	N/C
GND	5	5	GND
DSR	6	6	RTS
RTS	7	7	CTS
CTS	8	8	RTS
RI	9	9	N/C
Computer		Printer	

### Note

- \* Serial port total output current can not exceed 500mA

# APPENDIX

Communication specifications

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- USB interface

Computer Connector : Type A

Pin No.	1	2	3	4
Function	VBUS	D-	D+	GND

Connector Type : Type B

Pin No.	1	2	3	4
Function	VBUS	D-	D+	GND

- Ethernet(RJ-45)

Pin NO.	FUNCTION
1	T+
2	T-
3	R+
4	N/C
5	N/C
6	R-
7	N/C
8	N/C