



Operating manual for **TT5-L**

- Translated version of the original operating manual -



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92592



This document is the translated version of the original German operating manual. For any translations into other languages, the original German manual must be used as a basis. You can obtain the original manual from ThermoTex.

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1 Product description

1.1 Product Specifications

Print Method Thermal Transfer / Direct Thermal

Resolution 203 dpi (8 dots/mm)

Print Speed 7 IPS (177 mm/s)

Print Width 4.25" (108 mm)

Print Length Min. 0.16" (4 mm)

Max. 68" (1727 mm)

Length 11.0" (280 mm)

Dimension Height 7.7" (195 mm)

Width 8.3" (210 mm)

Weight 5.9 lbs (2.7 Kg) ,excluding consumables

Interfaces

USB 2.0 for PC Connection (B-Type), RS232C (D-Sub 9 pin),

IEEE 802.3 10/100 Base-Tx Ethernet port (RJ-45), USB Host (A-Type),

Parallel Port (Mini-Centronics)

Power Auto Switching 100-240V AC, 50-60Hz

Environment Operation Temperature 41°F to 104°F (5°C to 40°C)

Storage Temperature -4°F to 140°F (-20°C to 60°C)

Humidity Operation 25-85%, non-condensing.

Storage 10-90%, non-condensing

1.2 Conformity

EN 55032:2012 / AC:2013 Class A

EN 61000-3-2:2014

EN 61000-3-3:2013

EN 55024:2010

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.



1.3 Environment

Old appliances contain valuable recyclable materials that are to be recycled. Dispose of separately from residual waste at suitable collection points.



The modular design of the printer makes it easy to break it down into its components. Parts should be recycled.

The electronic board of the device is equipped with a lithium battery. Disposal in used battery collection containers of the trade or with the public disposal carriers.



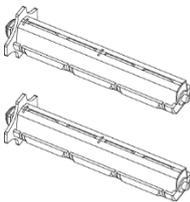
1.4 Content

Please check that all of the following items are included with your printer.

- TT5-L Barcode Printer

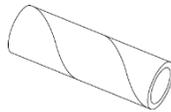


- Ribbon Hubs
Set of 2



- Ribbon Module

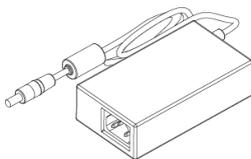
Empty Ribbon Core



- Quick Guide

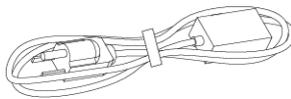


- AC Adapter

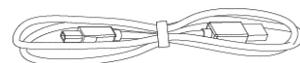


- Power Adapter

Power Cord



- USB Cable



- CD



2 Safety instructions

Please read the following instructions carefully.

2.1 Basic safety measures for normal operation

Keep the equipment away from humidity.	
Before you connect the equipment to the power outlet, please check the voltage of the power source.	
Make sure the printer is off before plugging the power connector into the power jack.	
It is recommended that you connect the printer to a surge protector to prevent possible transient overvoltage damage.	
Be careful not to get liquid on the equipment to avoid electrical shock.	

2.2 Basic safety measures for maintenance and servicing

For safety and warranty reasons, ONLY qualified service personnel should open the equipment.	
Do not repair or adjust energized equipment under any circumstances.	

3 General informations

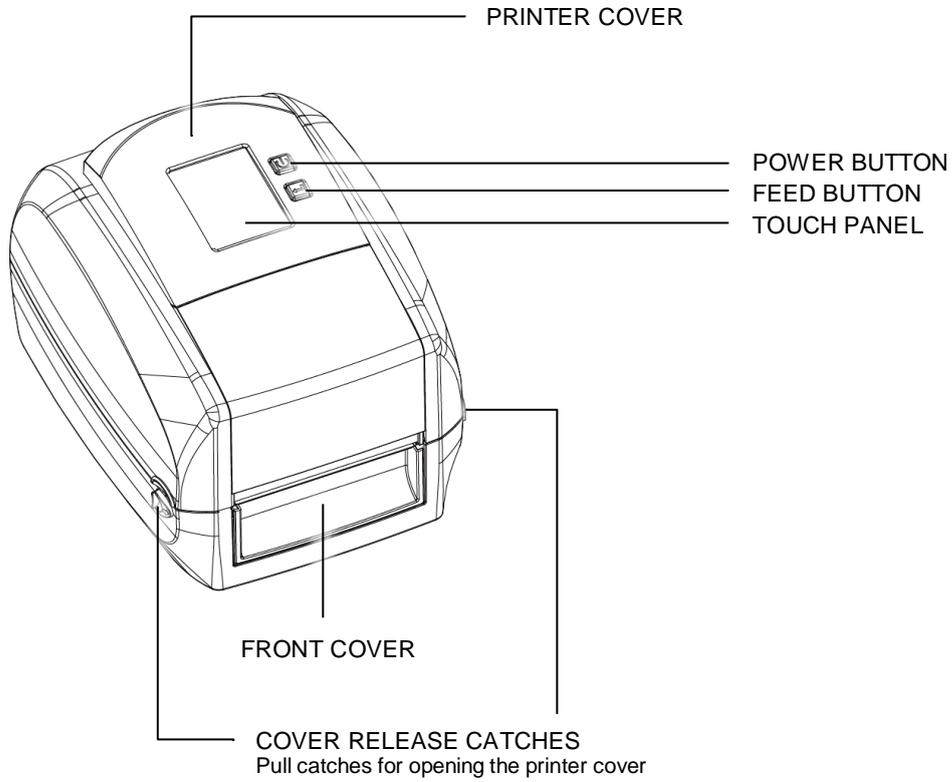
3.1 Caution

Danger of explosion if battery is incorrectly replaced. Replace only with the equivalent type recommended by the manufacturer.	
Dispose of used batteries according to the manufacturer's instructions.	
Only use with designated power supply adapter model.	
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.	

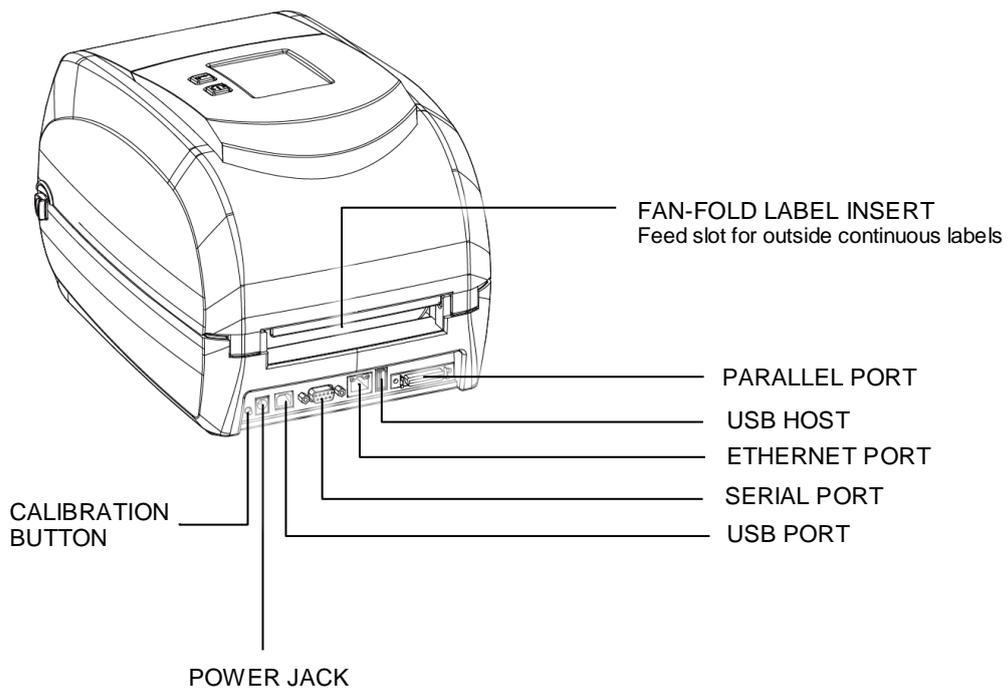
Specifications are subject to change without notice.

4 Device Overview

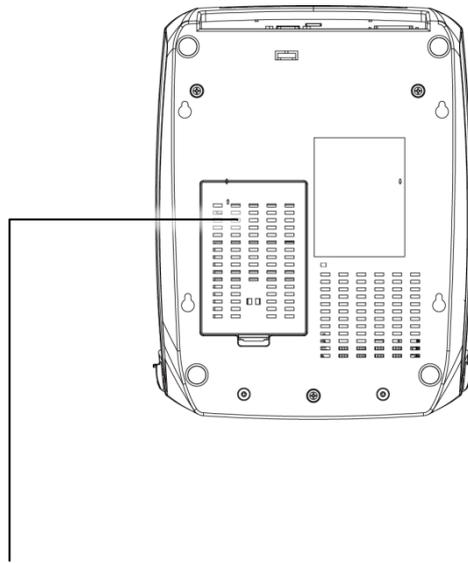
4.1 Front View



4.2 Rear View

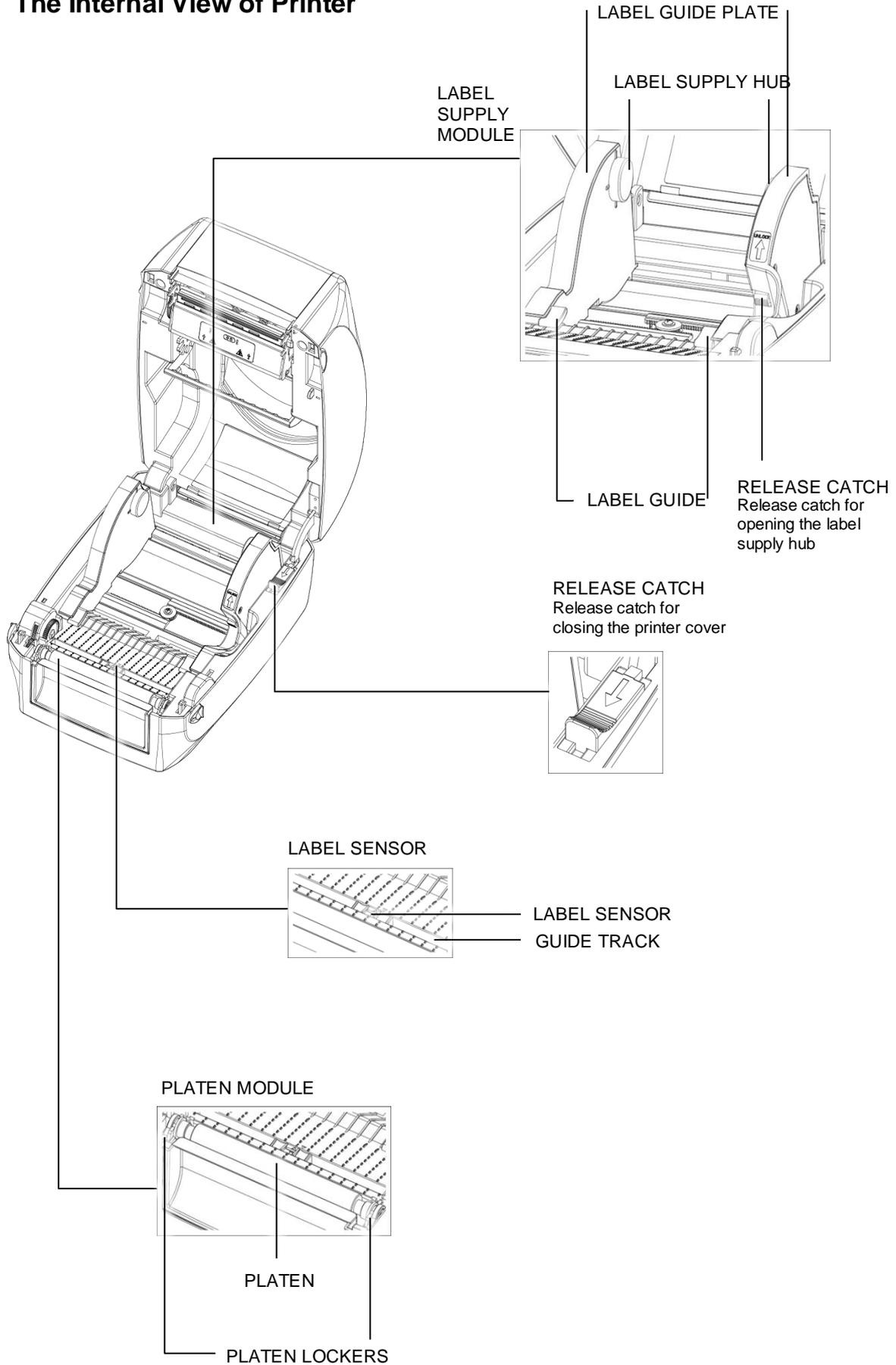


4.3 Bottom View

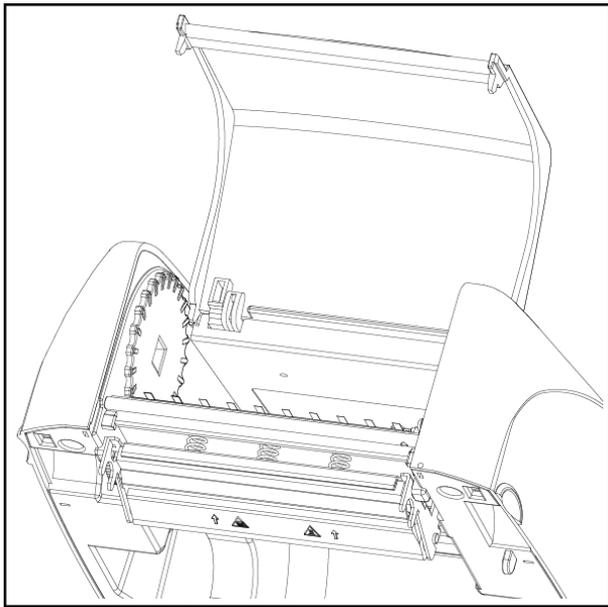


COVER OF THE MODULE CONNECTION JACKS

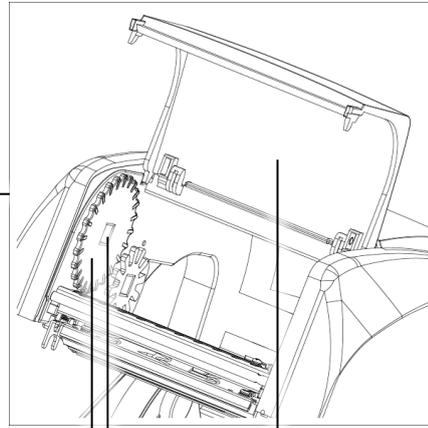
4.4 The Internal View of Printer



4.5 The Printing Mechanism



RIBBON REWIND MECHANISM

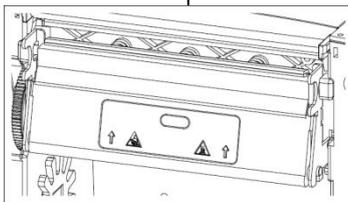


COVER
The cover for Ribbon rewind mechanism

NOTCH OF RIBBON REWIND WHEEL

RIBBON REWIND WHEEL

PRINT HEAD



RIBBON SUPPLY MECHANISM



PAPER PRESS BAR

NOTCH OF RIBBON SUPPLY WHEEL

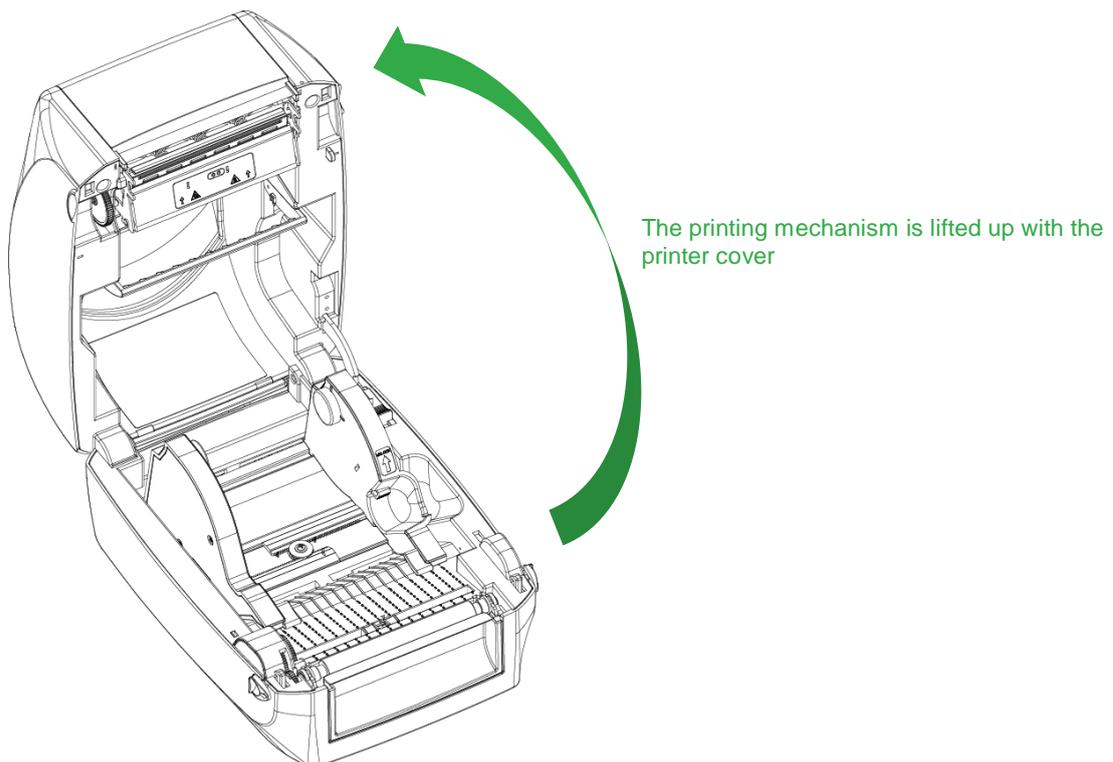
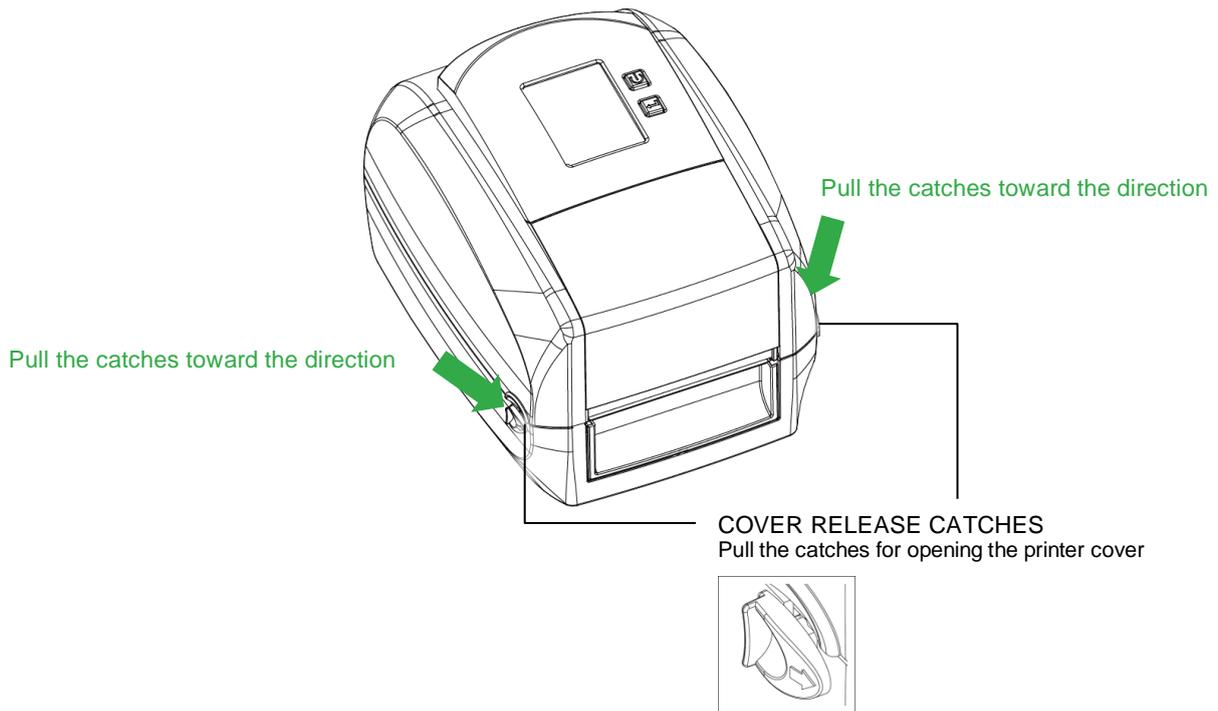
RIBBON SUPPLY WHEEL

5 Printer Setup

5.1 Open the Printer

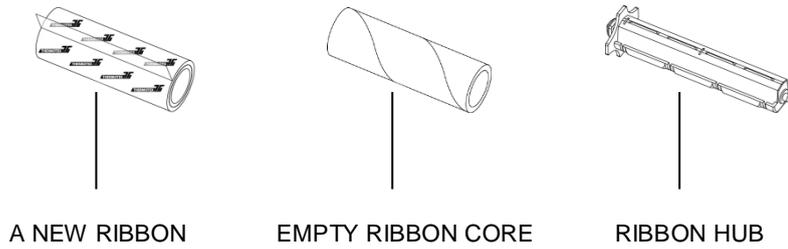
Open the Printer Cover and the Printing Mechanism

Place the printer on a flat surface. Open the printer cover by pulling the cover release catches on both sides of the printer and lift the printer cover.

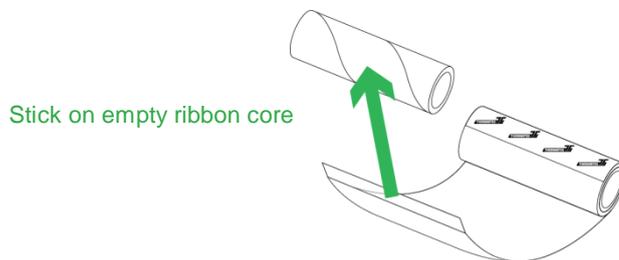


5.2 Loading the Ribbon

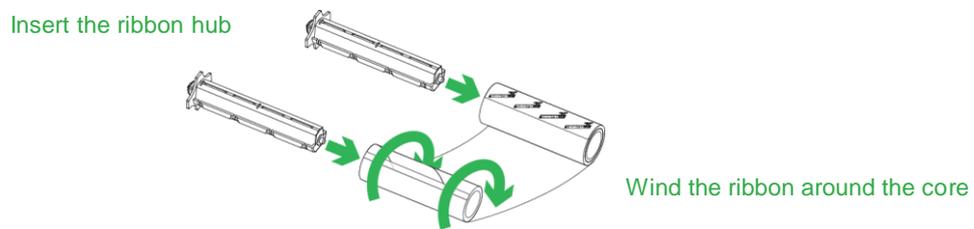
A New Ribbon Module Installation



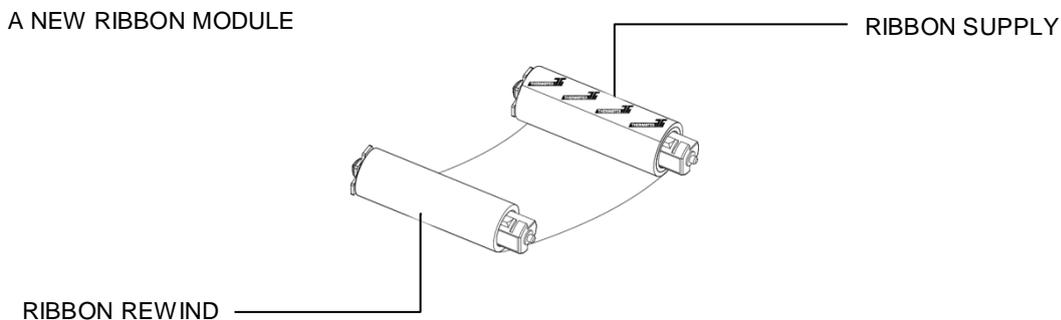
1. Attach the ribbon to the empty ribbon core with the adhesive strip at the end of the ribbon.



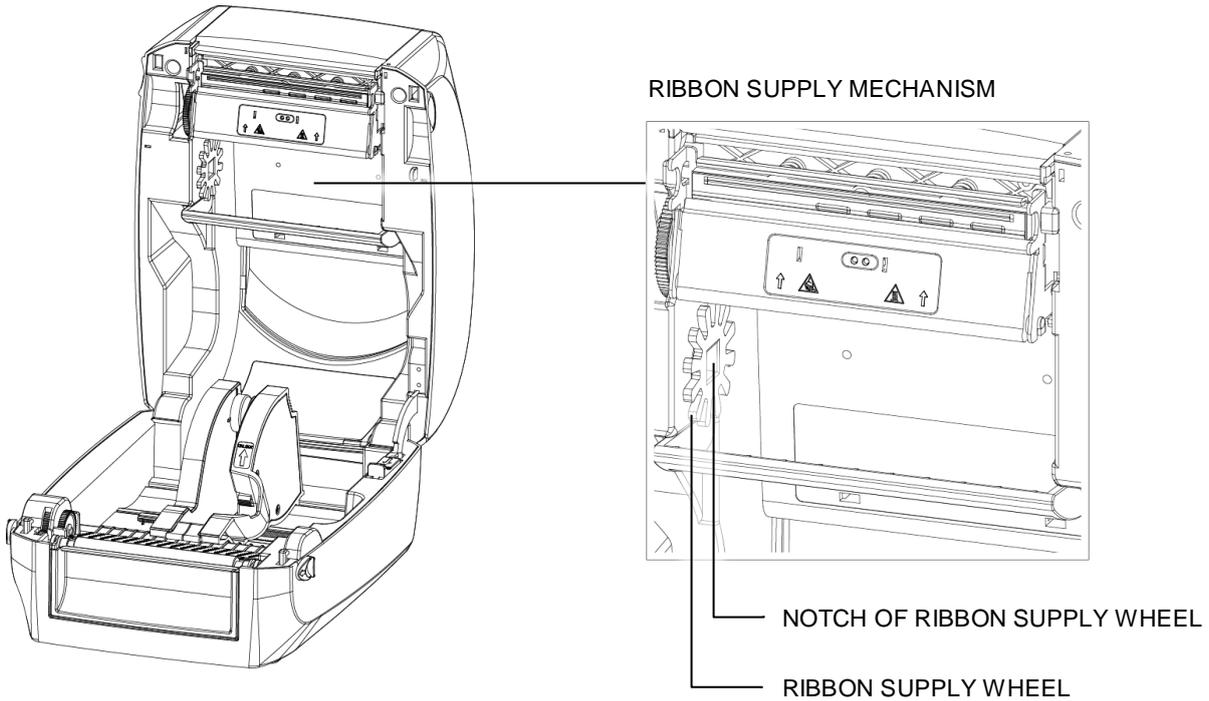
2. Insert the ribbon hub into empty ribbon core and new ribbon. Wind the ribbon around the empty ribbon core for 2 to 3 circles.



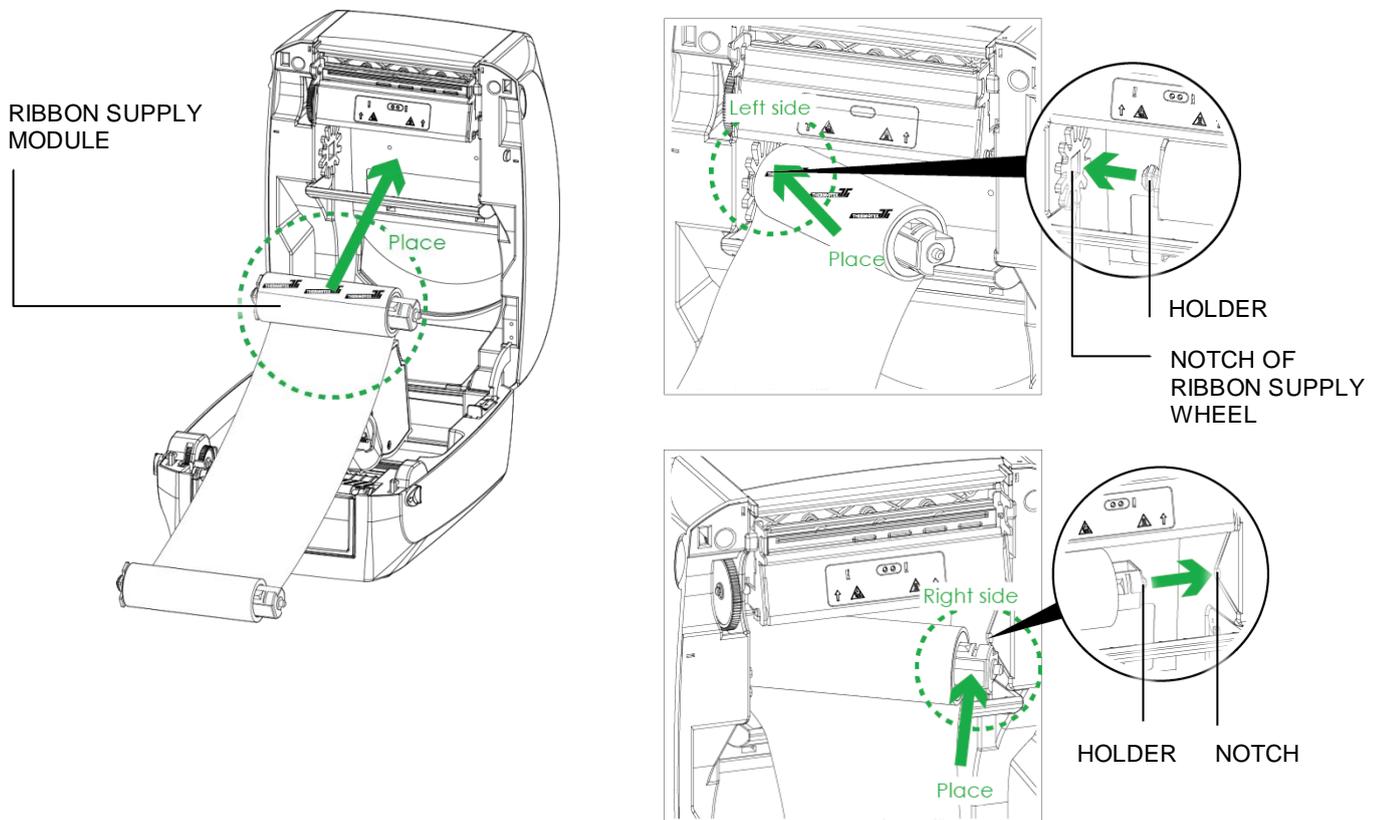
3. A ribbon module is assembled as below.



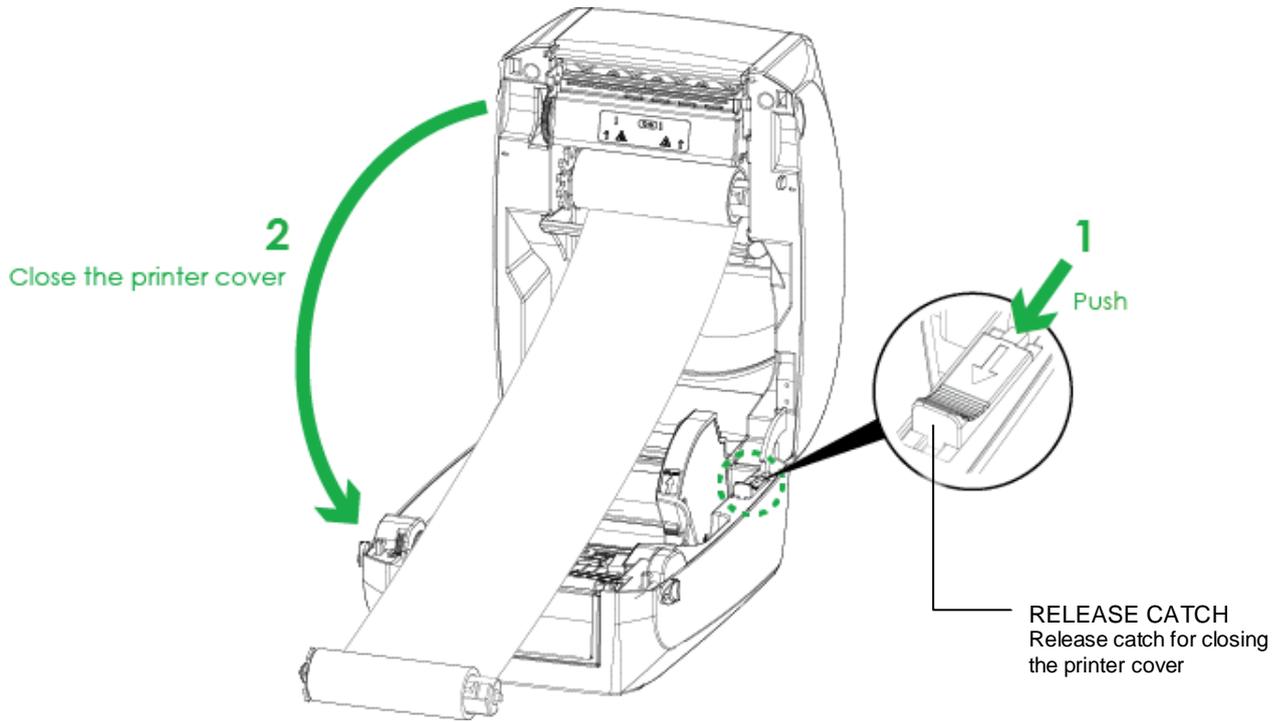
Load the Ribbon on the Printer for Ribbon Supply Module



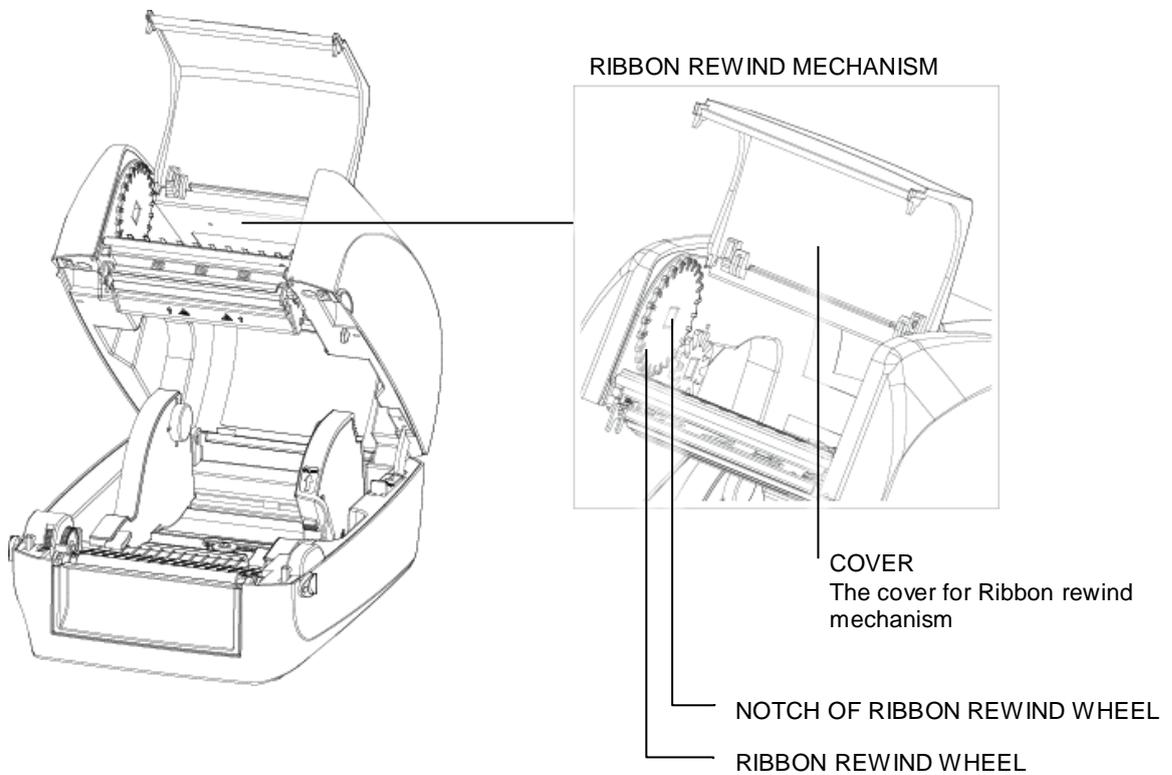
4. Place the ribbon supply module into the printing mechanism. Please the left-hand side of ribbon hub first. Make sure the holder of ribbon hub is inserted into the notch. Then place the right-hand side of ribbon hub.



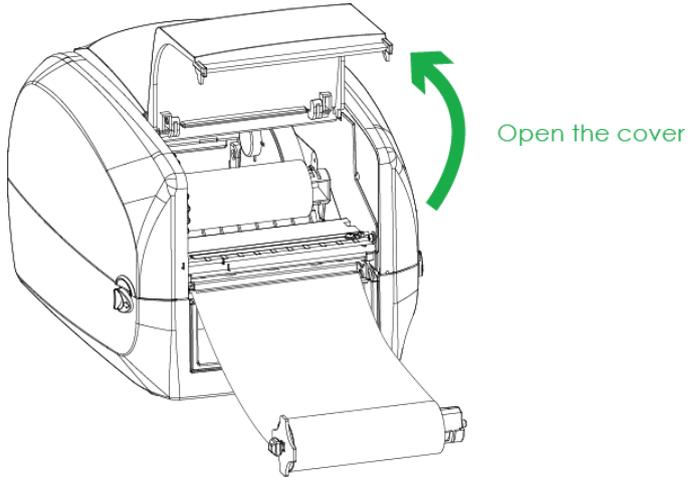
5. Unlock the release catch to close the printer cover. Push the release catch forward to unlock it. The ribbon supply module loading is completed.



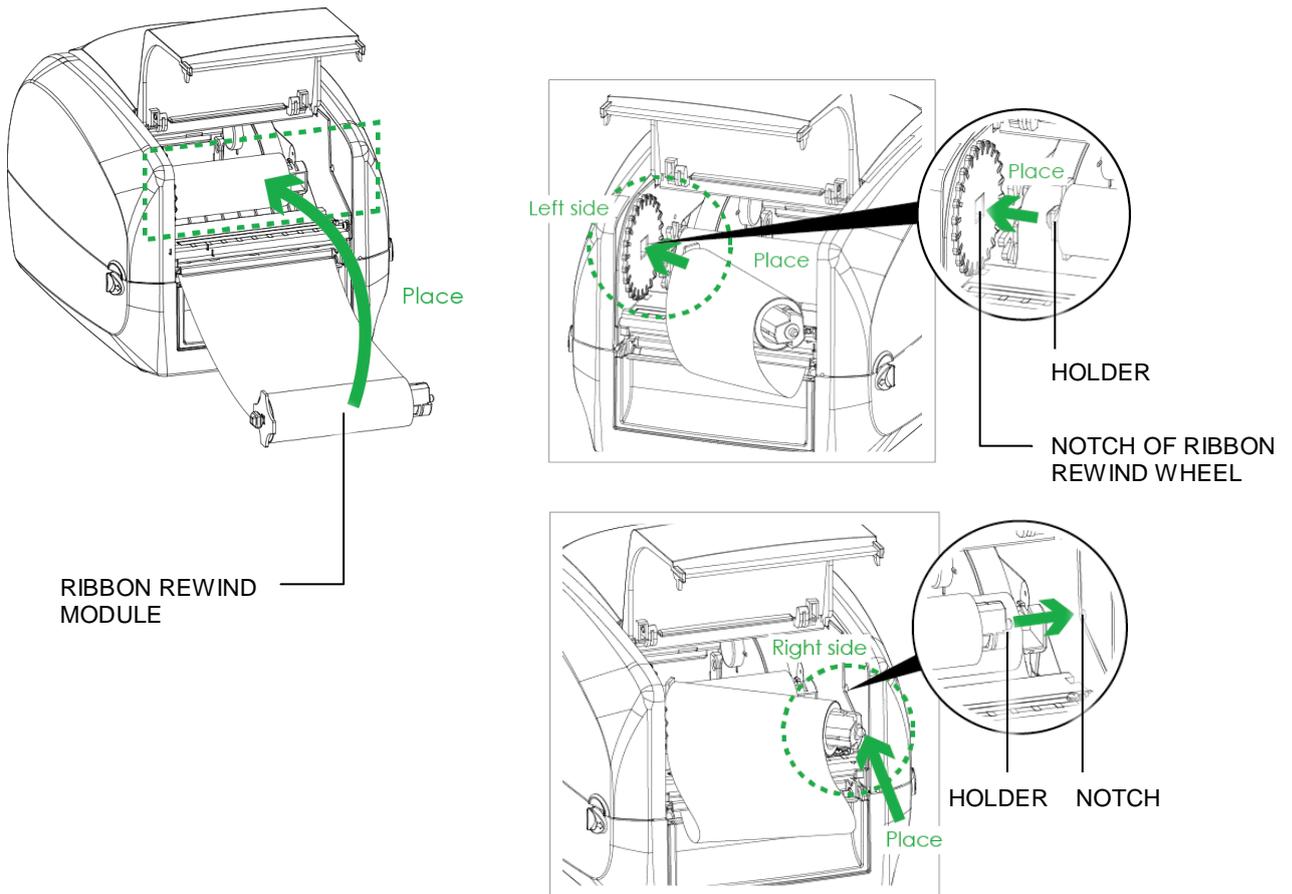
Load the Ribbon on the Printer for Ribbon Rewind Module



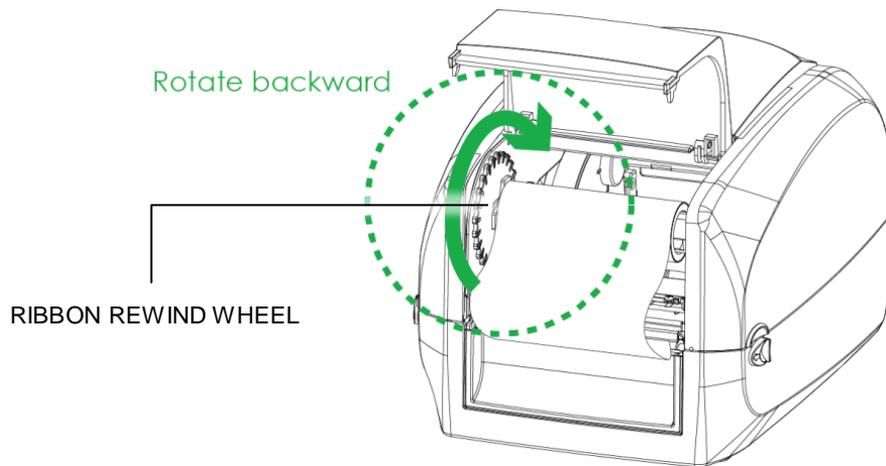
- Open the cover of ribbon rewind mechanism.



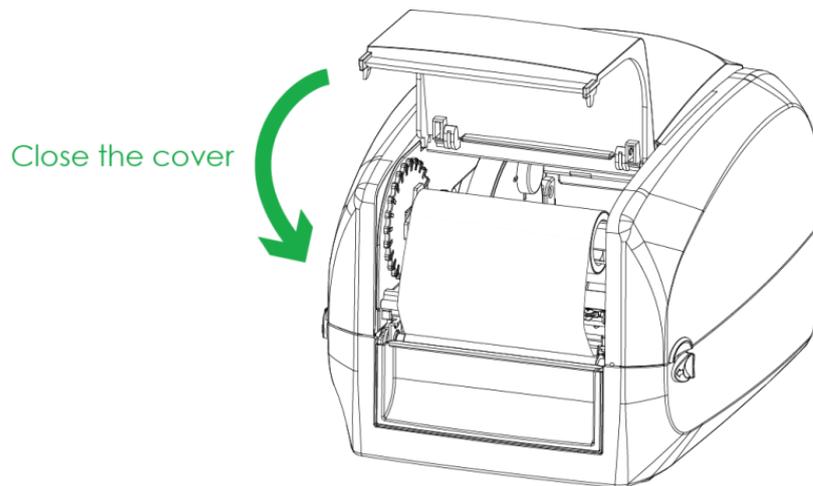
- Place the ribbon rewind module into the ribbon rewind mechanism. Please the left-hand side of ribbon hub first. Make sure the holder of ribbon hub is inserted into the notch. Then place the right-hand side of ribbon hub.



8. Turn the ribbon rewind wheel to tighten the ribbon until it has no wrinkles.

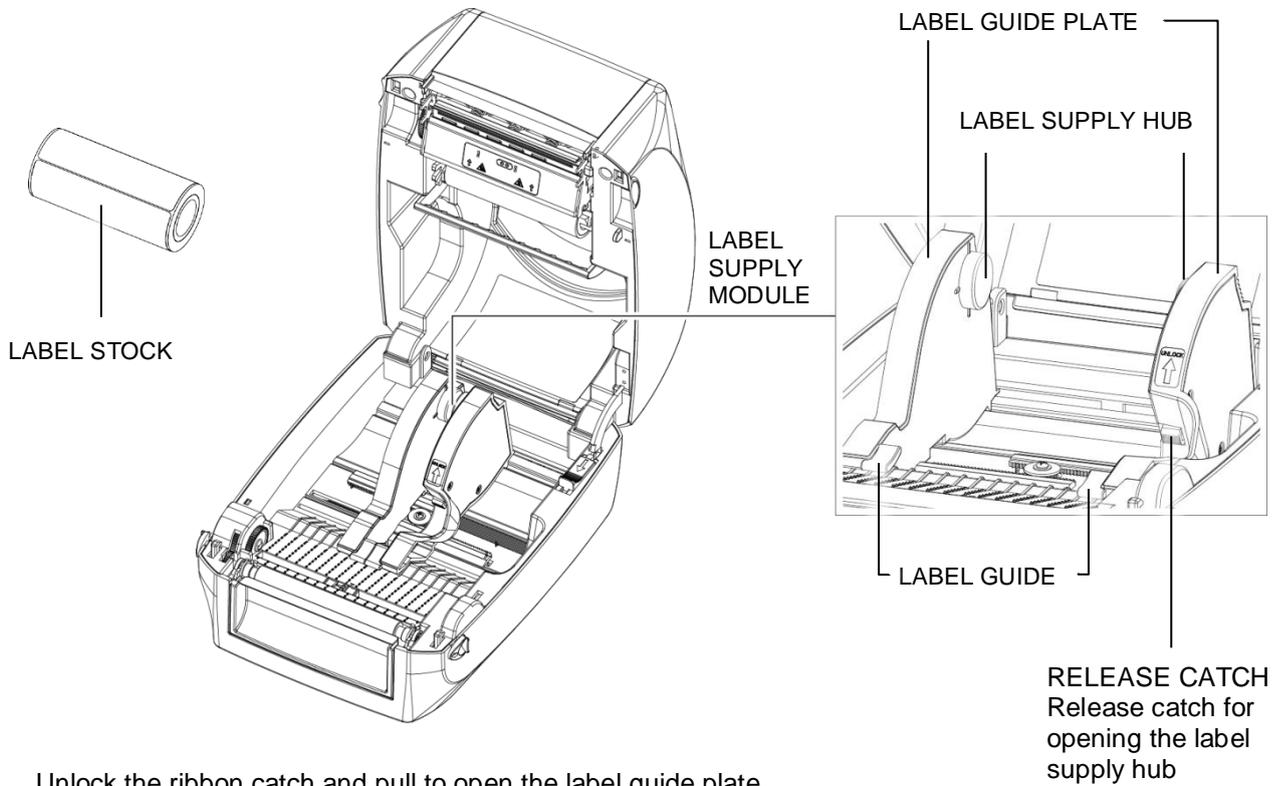


9. Close the cover of ribbon rewind mechanism. The ribbon loading is completed once the ribbon supply module and ribbon rewind module are assembled correctly.

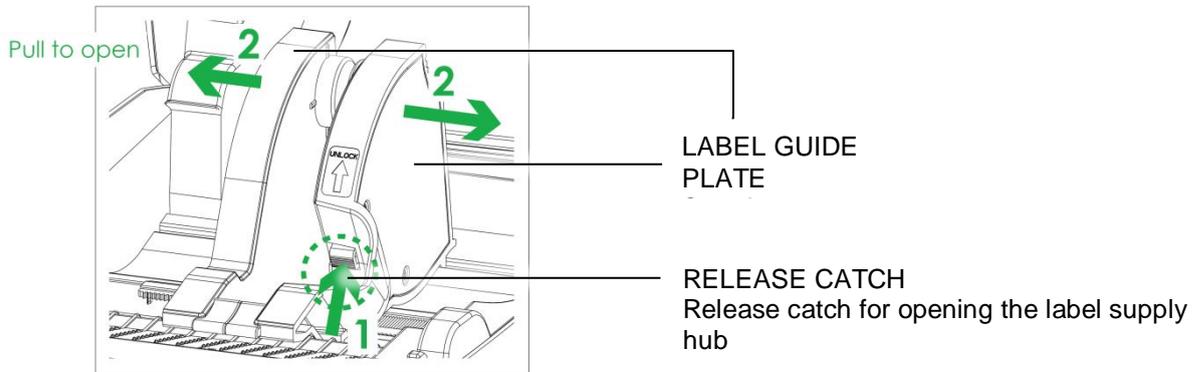


5.3 Loading the Label Roll Module

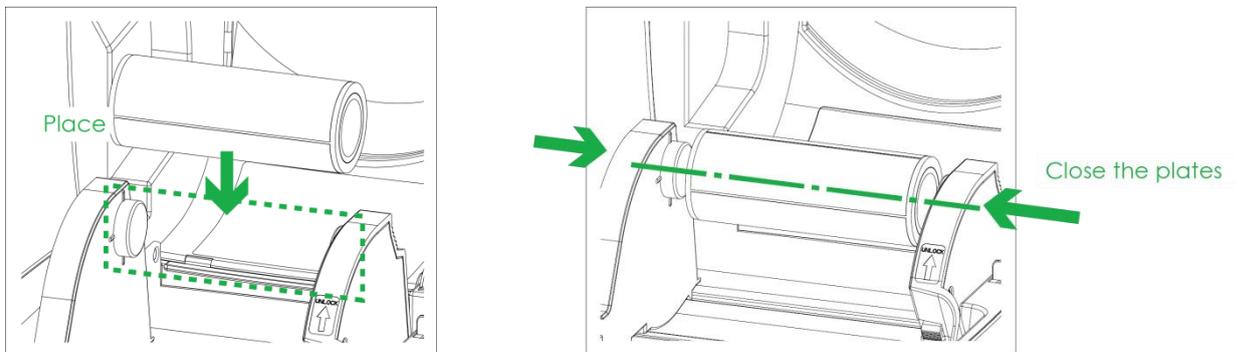
Loading the Label Stock on the Printer



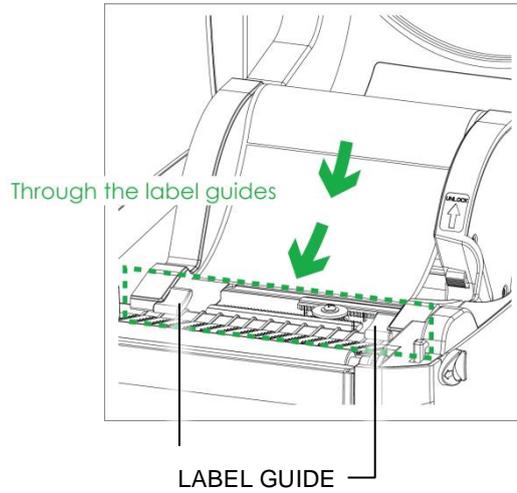
1. Unlock the ribbon catch and pull to open the label guide plate.



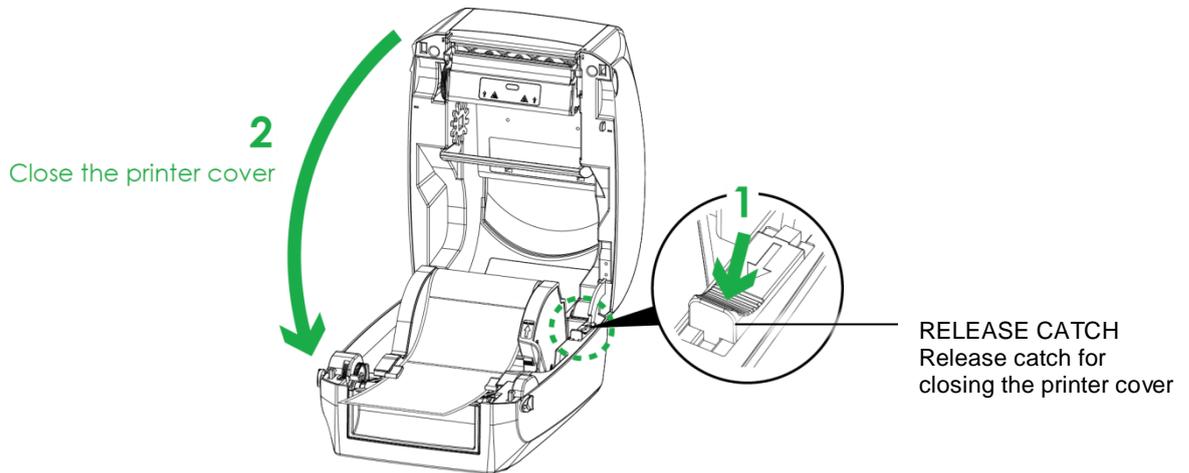
Place the label stock on label supply hubs. Make sure the label stock is aligned to both hubs. Adjust the label guide plates to fix the label width. Remember to push the release catch when moving the label guide plates.



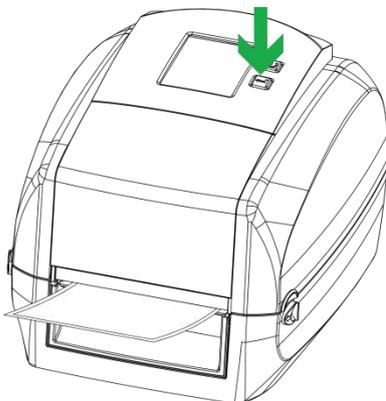
2. Feed the Label through the label guides. The label guides will help to prevent the label swaying.



3. Unlock the release catch to close the printer cover.



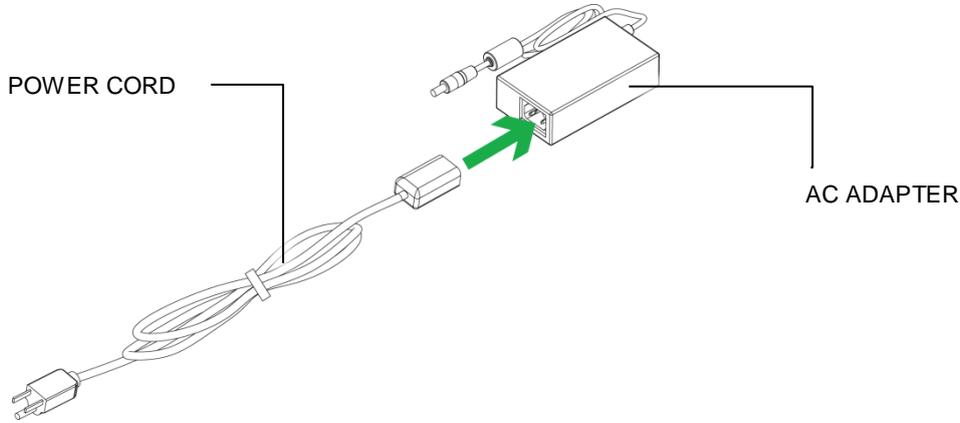
4. Press the FEED key and make sure the label is fed smoothly. The label loading is completed now.



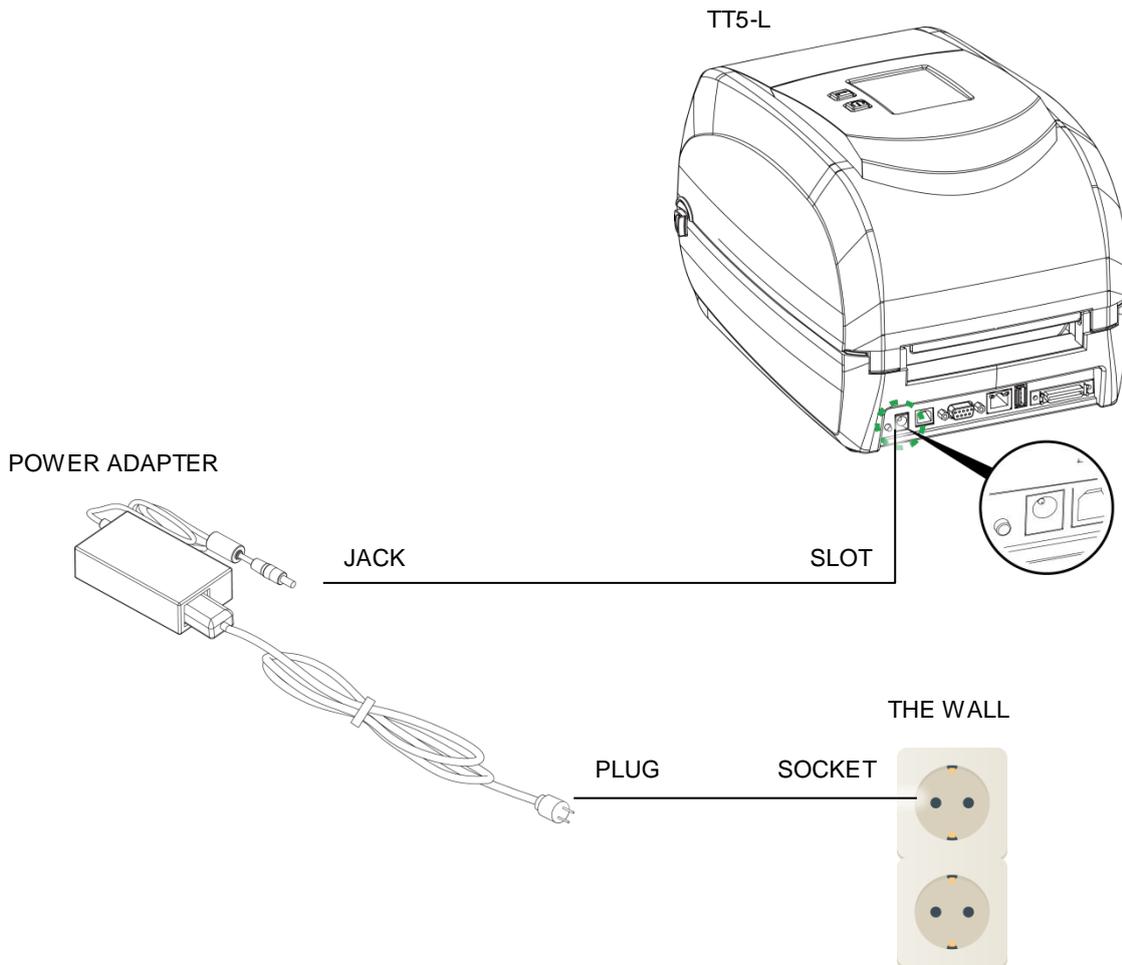
NOTE: * Please keep the rack gear clean to ensure the smoothness of label holder.

5.4 Connecting the Printer to the Host Computer

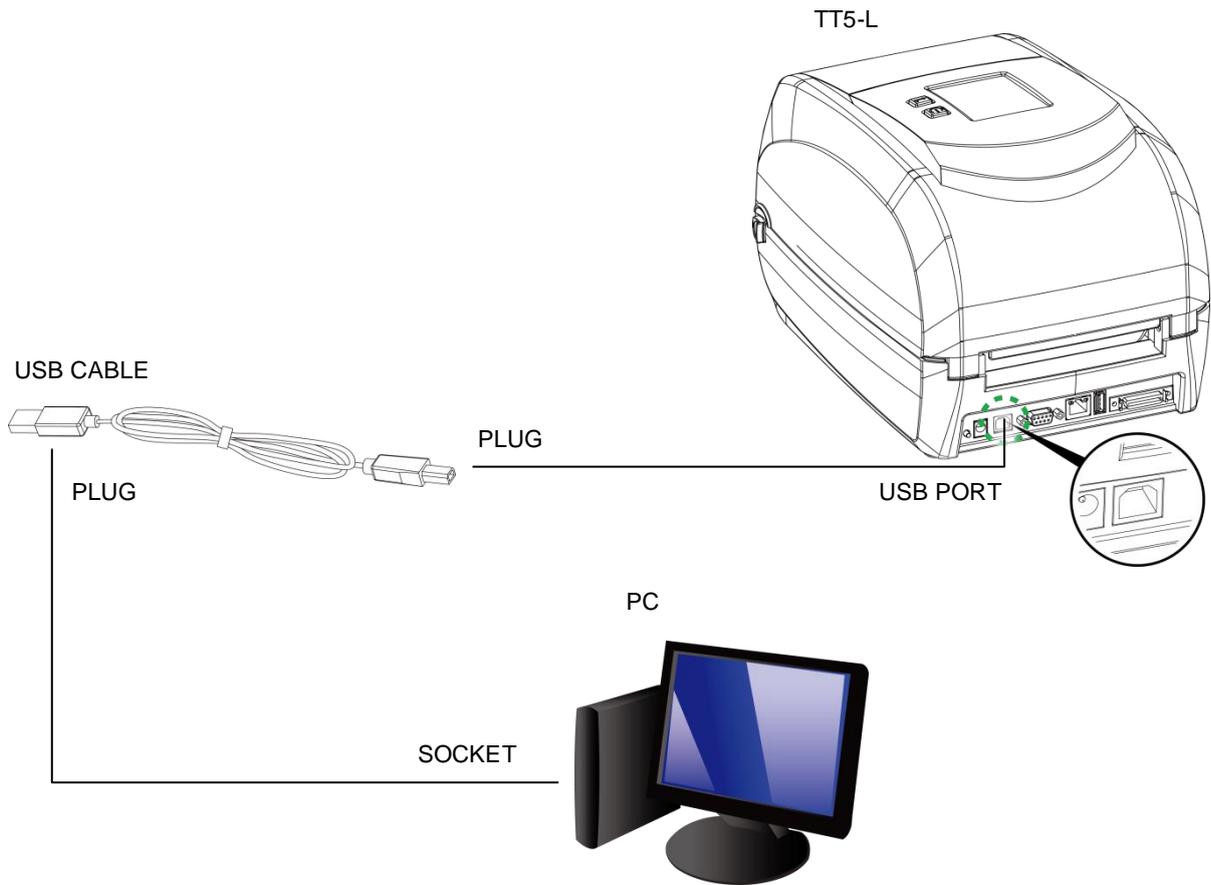
1. Please make sure that the printer is switched off.
2. Connect the power cord to the AC adapter.



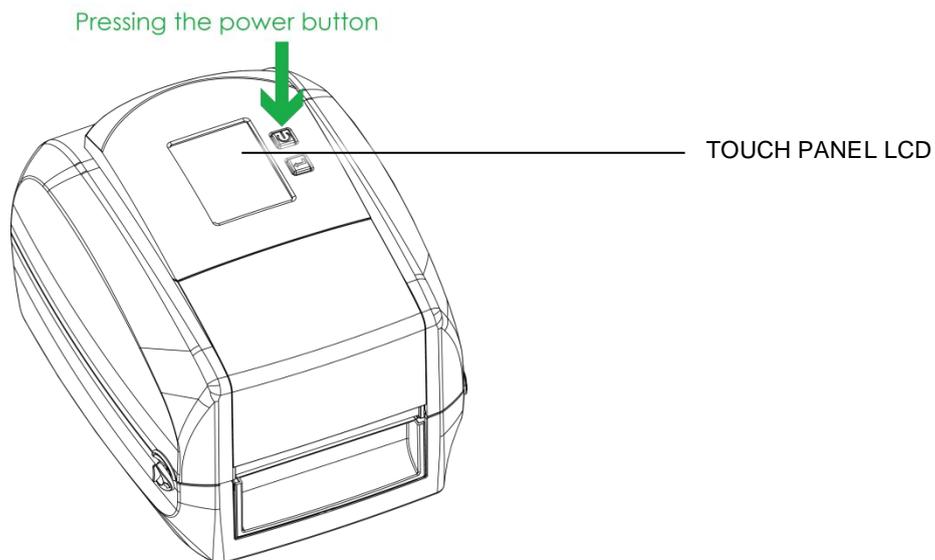
Connect the jack of the power adapter to the printer and connect the plug of the power adapter to the socket of the wall.



3. Connect the USB/serial cable to the printer and host computer.

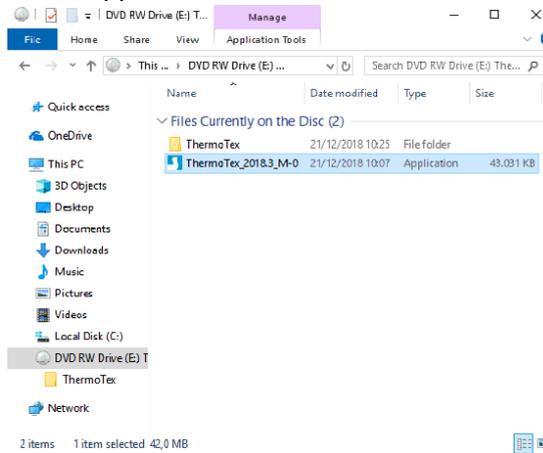


4. Press the power button. The Touch Panel LCD will light up.

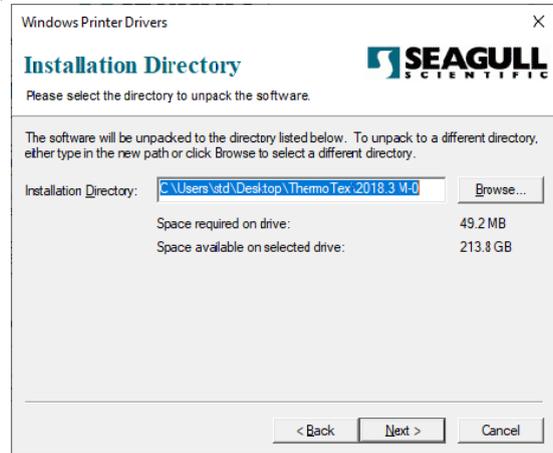


5.5 Printer Driver installation

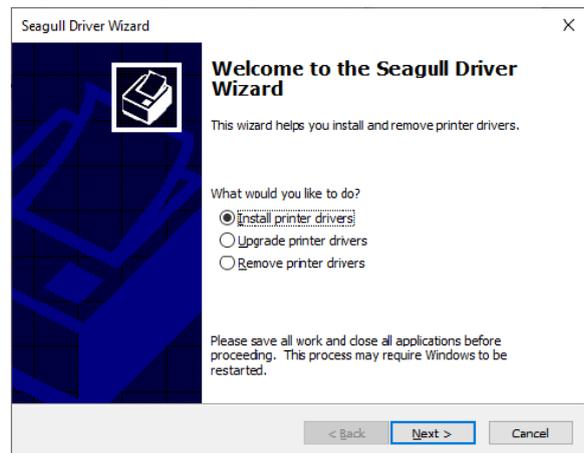
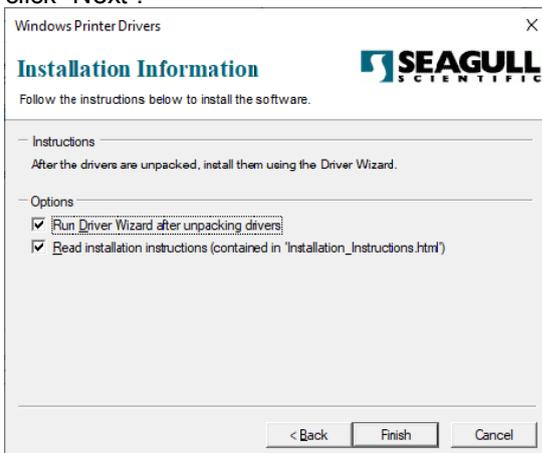
1. From the Driver CD launch the Application



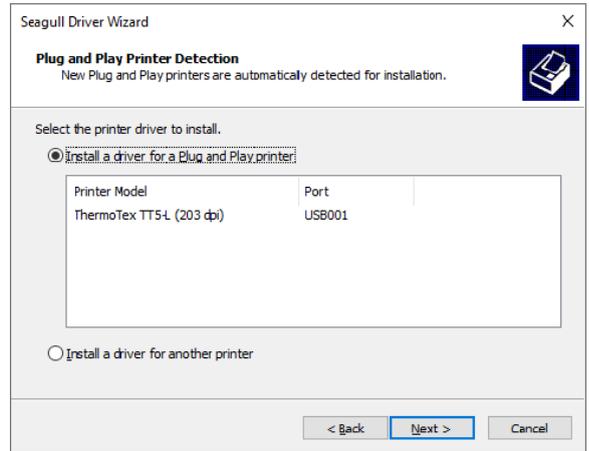
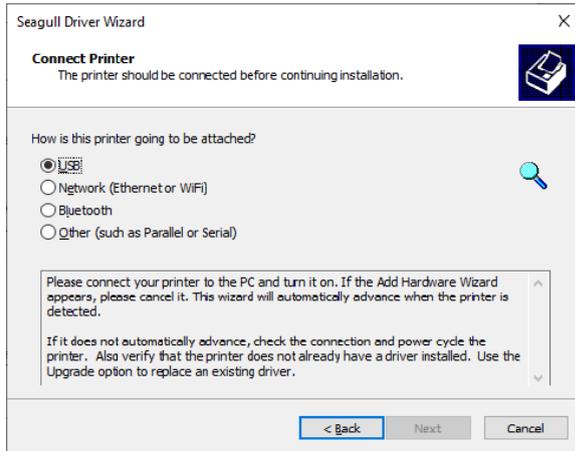
2. Select "I accept the terms in the license agreement", and click "Next", then click "Finish" to next step



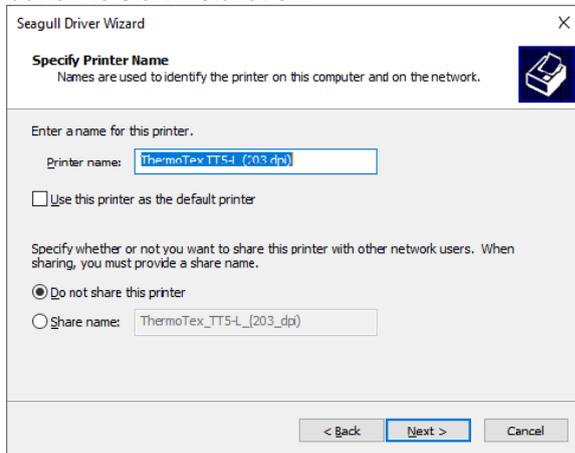
3. The Driver Wizard will guide you through the installation procedure. Select "Install printer drivers" and click "Next".



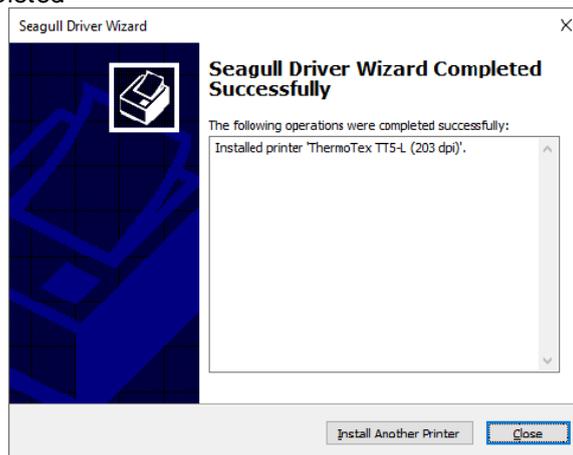
- With a USB connection, search models such as the right diagram printer device. Specify your printer model and click "Next".



- Enter the printer name (you can use default), then click "Next" to display as right diagram. Click "Finish" button to start installation.

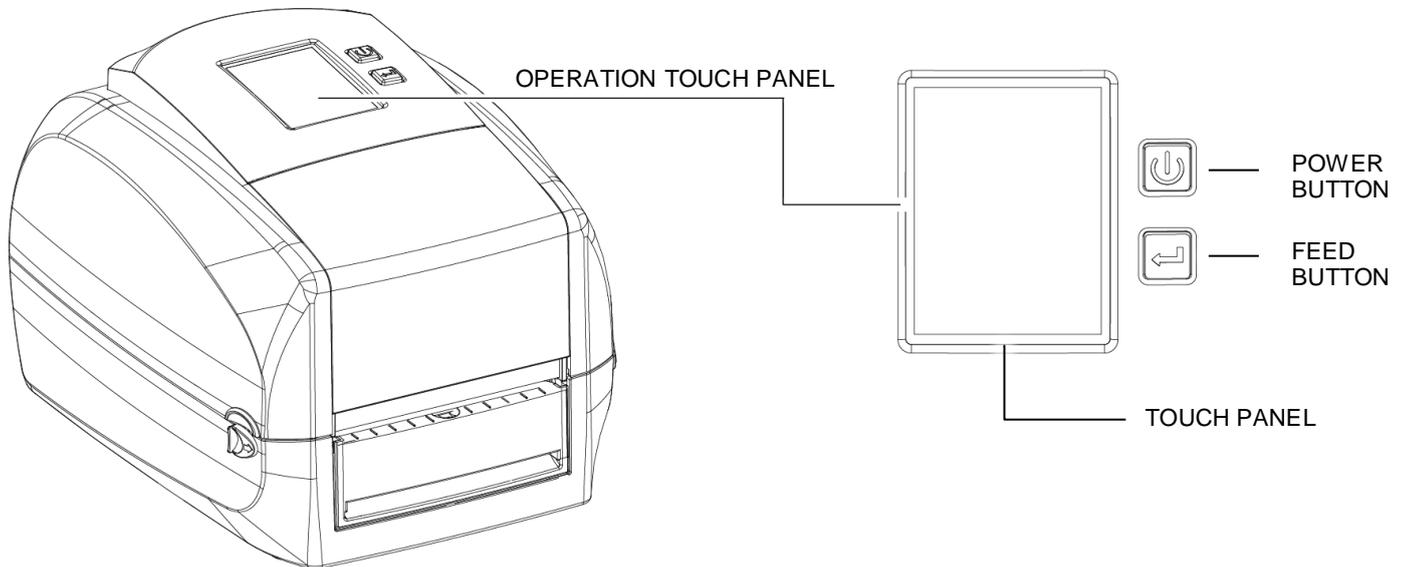


- Driver installation completed



6 Printer setting and control

6.1 Operation Panel



POWER Button

Press the POWER button to turn on the printer, and the START UP SCREEN appears. The printer is on “ready to print” status, the LCD screen should display the message “READY” on the screen. When printer is turned on, hold and press down the POWER button for 3 second will turn the printer off.

FEED Button

When you press the FEED button, the printer will advance media until the FEED button is released. If you are using continuous labels, pressing the FEED button will advance a length of media until the button is released. If you are using media with gaps, pressing the FEED button once will advance only one label. If the label does not stop at the correct position, you need to run the auto-detection function for your media, please see Section 3.4 Label Calibration and Self-Test.

PAUSE PRINTING_FEED Button

Pressing the FEED button during printing will interrupt printing, and the LCD display message “PAUSE...”. When the FEED button is pressed again, the printer resumes printing. Example: While a 10-label print job is running, you press the FEED button to pause the printer. Two of the labels have been printed. To resume printing and print the remaining eight labels, you will need to press the FEED button again.

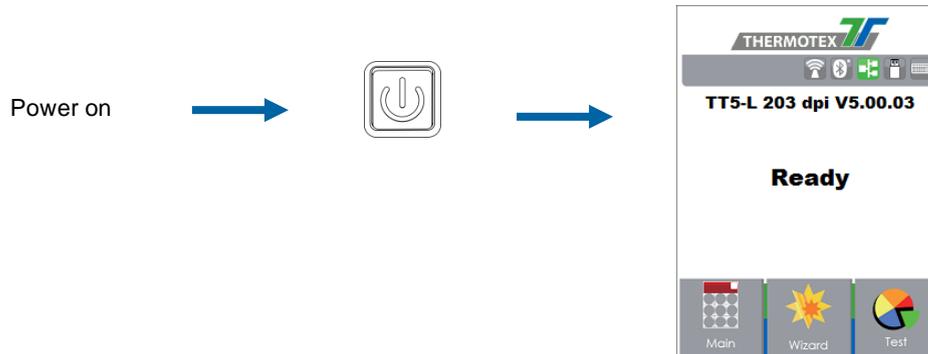
CANCEL PRINTING_FEED Button

Press and hold the FEED button for 3 seconds during printing, the current print job will be cancelled. Example: While a 10-label print job is running, you press the FEED button. Two of the labels have been printed. The print job is cancelled and the remaining eight labels will not be printed.

6.2 LCD Interface Introduction

Getting Started

Press the POWER button to turn on the printer, and the START UP SCREEN appears.



If the printer is on “ready to print” status, the LCD screen should display the message “Ready” on the screen. Use touch gestures to get around the main screen and other screen for setting. Tap the screen with your finger when you want to select on screen items such as settings icons.

On the Ready Page, three functions mode for setting. You can make various setting functions in FUNCTIONAL MODE.

Main

Wizard

Test

To finish setting tap to return to Ready screen.

If you don't want to save any changes, tap system to return to the Ready screen.

Unlock

Lock

If printer functions are locked, printer settings cannot be overwritten by WinTexx or any devices.

6.3 LCD Interface Function

6.3.1 Main Page



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



10 languages for 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



Providing Buzzer, Option Setting, Smart Backfeed, Serial Part Setting, LAN Setting, LCD Setting, Clock Setting, WiFi Setting, and Bluetooth Setting



Self-Diagnose functions for printer, ex. Calibration, Self-Test page and Clear Memory



Recall Label and preview label

6.3.2 Device Page



Setting off or on for buzzer



Setting items for options, ex. Cutter, Label Dispenser, Applicator



Setting programming language



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



Setting items for LAN, ex. DHCP, IP Address, Subnet Mask, Gateway



Setting for LCD, ex. off or on for Password function, Correction



Setting items for Clock, ex. Year, Month, Day, Hour, Minute and off or on for Visible function

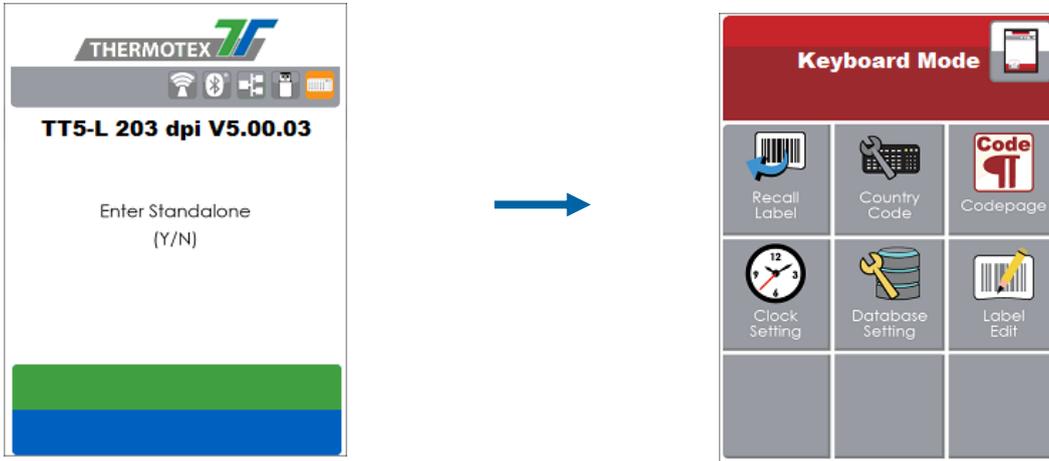
6.3.3 Menu Structure

<p>Printer Settings</p>	Darkness	0-19	
	Speed	2-7	
	Sensor Select	Auto Select	
		See-Through	
		Reflective	
	Media Type	Label with Gaps	
		Label with Marks	
		Continuous	
	Printing Mode	Direct Thermal	
	Tear-off Position	Thermal Transfer	
Top of Form	0-40		
	OFF		
	FULL		
	Door Open Only		
	Back Up Only		
<p>LCD Language</p>	English		
	Deutsch		
	Francais		
	Espanol		
	Italiano		
	簡體中文		
	繁體中文		
	Türkce		
	日本語		
	Русский		
	850		
	852		
	437		
<p>Code Page</p>	860		
	863		
	865		
	857		
	861		
	862		
	855		
	866		
	737		
	851		
	869		
	Windows 1252		
	Windows 1250		
	Windows 1251		
	Windows 1253		
Windows 1254			
Windows 1255			
Windows 1257			
<p>Label Settings</p>	Rotation	0°-90°- 180°- 270°	
	X-Offset	-864 ~+864	
	Y-Offset	-400 ~+400	
	Start Offset	-100 ~+100	

 <p style="text-align: center;">Devices</p>	Buzzer	OFF ON		
	Option Setting		None Cutter	
		Options	Label Dispenser Applicator	
		Smart Backfeed	OFF ON	
		Baud Rate		4800 9600 19200 38400 57600 115200
			Serial Port Setting	Parity
	Data Bits			7 8
	Stop Bits			1 2
	LAN Setting		DHCP	OFF/ON
			IP Address	0.0.0.0
		Subnet Mask	255.255.255.0	
		Gateway	192.168.0.254	
		Port N°	9100	
	LCD Setting	Password	OFF/ON Correction	
	Clock Setting	Year		
		Month		
		Day		
		Hour		
		Minute		
		Visible	OFF/ON	
	 <p style="text-align: center;">Printer Control</p>	Test	Configuration Directory TPH Testing Dump Mode	
			Sample pattern	Self-Test page / Balance
			Select Memory	Internal / External
			Clear Memory	Label Formats Graphics Bitmap Fonts True Type Fonts Asian Fonts
Printer Info				
Calibration				
Reset		To default		
 <p style="text-align: center;">Wizard</p>		Darkness	0-19	
		Speed	2-7	
		Media Type	Label with Gaps Label with Marks Continuous	
			X-Offset	-864 ~+864
			Y-Offset	-100 ~+100

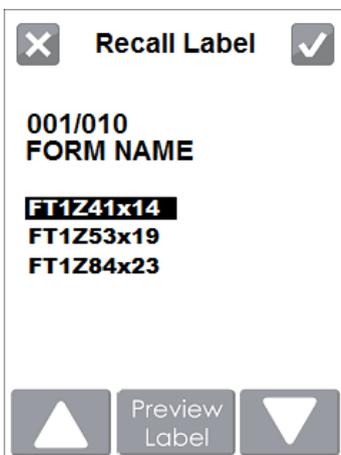
6.4 Keyboard Mode

When plug-in an USB keyboard to the printer, LCD touch panel will display “Enter Standalone”, press the “Y” or “ENTER” key on keyboard to entering to the dialog for “Keyboard Mode” operation.



Recall Label

From the “Ready” page, tap to Main page.
From the Main page tap Recall Label to Recall Label page.



From the Recall Label Page the touch panel shown on all labels.
The Data processing time will be extend as long as the labels increase.



Tap up to choose labels.



Tap down to choose labels.



Select label and print out selected label

6.5 Label Calibration and Self Test

Label Calibration

The printer can automatically detect and store label height.

That means the host computer does not need to transmit the label height to the printer.

6.6 Self Test

Self-test function lets you check whether the printer is functioning normally.

Here is how you run the label size calibration and self-test.

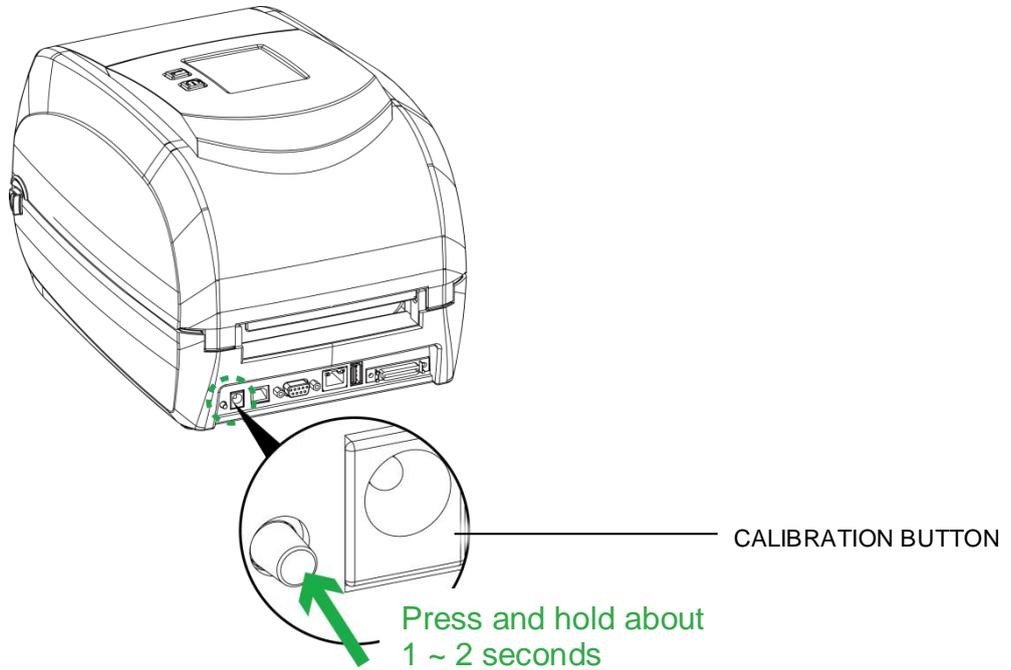
1. Check that the label stock is loaded correctly.
2. Turn off the printer and pressing the FEED button.
3. Turn the printer on again, keeping the FEED button pressed. When the LCD displays Ready Screen, release the FEED button. The printer will now measure the label stock and store the label height.
4. Once the printer has successfully measured the label stock, it will print a self-test label.

The contents of a self-test printout are listed below.

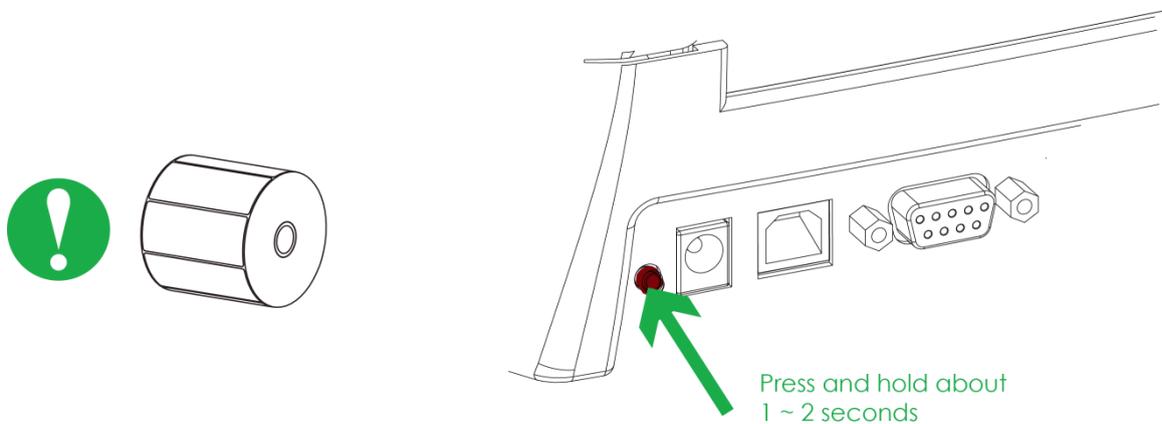
Model & Version	TT5-L 203 dpi V5.00.03
USB ID setting	USB S/N: 174303C8
Serial port setting	Serial port: 96,N,8,1
MAC address of Ethernet port	MAC: 00 1D 9A 04 5C 88
IP address setting	IP 172.27.10.157 (DHCP_100MF)
Gateway setting	Gateway 172.27.0.1
Sub-Mask setting	Sub-Mask 255.255.0.0
Card Status	Card Status: BT card detected[02]
MAC address of BT or WiFi Card	BT MAC Addr: 00 1A FF 03 19 2F
Port status	PORT State L S E U B
(The default value is 1, which means that all ports open)	1 1 1 1 1
	#####
Number of forms	0010 FORM(S) IN MEMORY
Number of graphics	0001 GRAPHIC(S) IN MEMORY
Number of fonts	000 FONT(S) IN MEMORY
Number of Asian fonts	000 ASIAN FONT(S) IN MEMORY
Number of databases	000 DATABASE(S) IN MEMORY
Number of scalable fonts	000 TTF(S) IN MEMORY
Free memory size	65208 KB FREE MEMORY
Speed, Density, Ref. Point, Print direction	^S2 ^H15 ^R000 ~R255 ~Q+0
Label width, Form length, Stop position	^W84 ^Q14,2 ^E16
Cutter, Label Dispenser, Mode	Option:19-05-270 ^00 ^AT
Sensor setting	See.:1.5 3.0 2.4 [1.5_27]
Code Page	Code Page:850

6.7 Label Calibration Button

A hardware button to make a Label Calibration while printer encountering "Media Error" during the cases when first-time printer start up or change label to another type, such as change using gap label to continuous or black mark labels.



Press Calibration button for 1 ~ 2 seconds, it will make an auto-sensing to calibrate the label's parameters.

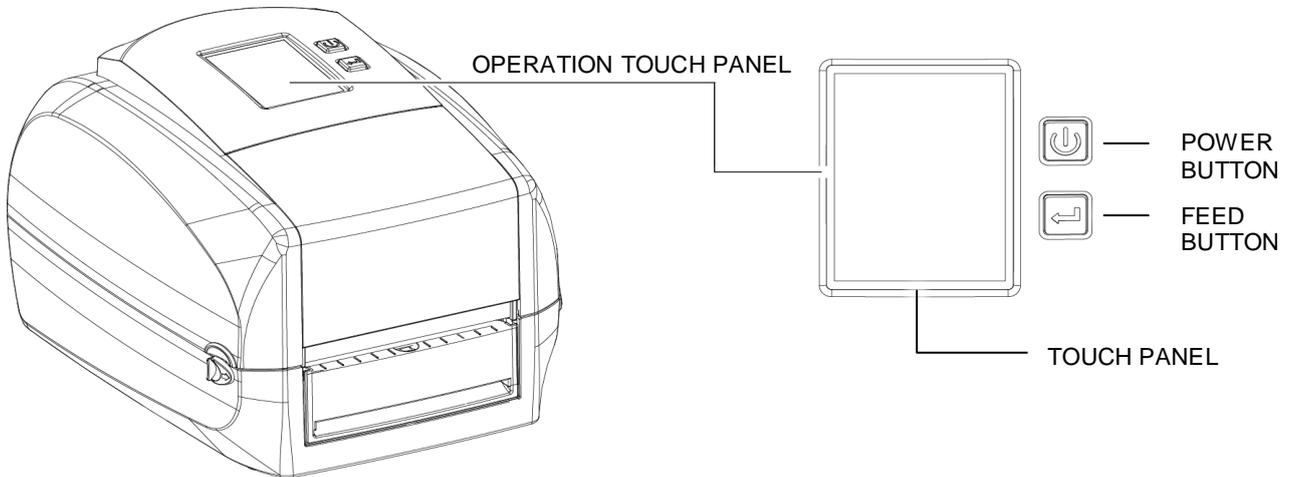


NOTE: *Press Calibration button is equivalent to the auto-sensing command "~S,SENSOR" that will cancel on-printing-job and make the Label Calibration immediately.

**It can also be launched through following Menu: Main => Printer Control => Calibration

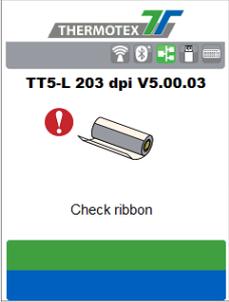
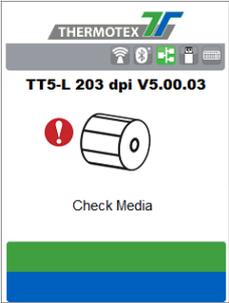
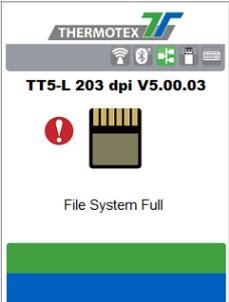
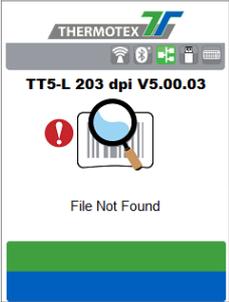
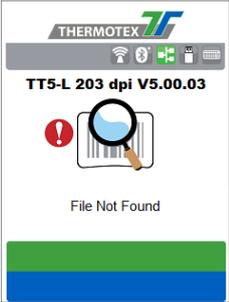
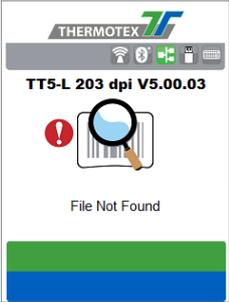
6.8 Error Alerts

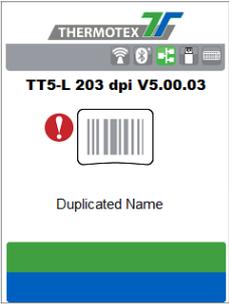
In the event of a problem that prevents normal functioning of the printer, you will see an error message on LCD screen and hear some beep signals. Please refer to below table for the error alerts.



6.9 Operation Panel Status:

Type	Beeps	Description	Solution
<p>Door Open Only</p> <p>Printhead Open</p>	2 x4 beeps	The printing mechanism is not correctly closed.	Open the print mechanism and close it again.
<p>TPH Over Heat</p> <p>TPH Over Heat</p>	None	High temperature at the print head.	Once the print head has cooled down, the printer switches to standby mode.

<p>Ribbon Error</p> 	<p>2 x 3 beeps</p>	<p>No ribbon is installed and the printer displays an error.</p>	<p>Make sure that the printer is set to direct thermal printing mode.</p>	
<p>Media Error</p> 		<p>2 x 2 beeps</p>	<p>The ribbon is finished or the label supply hub is not moving.</p>	<p>Replace the ribbon roll.</p>
<p>File Error</p> 	<p>2 x 2 beeps</p>		<p>No paper is detected.</p>	<p>Make sure that the label sensor is positioned correctly. If the sensor still does not detect the paper, run the auto-detection function again</p>
			<p>Paper is finished.</p>	<p>Replace the label roll.</p>
	<p>Printer feed problem.</p>	<p>The memory is full. The printer prints the message « File System full ».</p>	<p>Possible reasons: the printer medium has become trapped around the rubber roll; the sensor cannot detect a gap or black mark between the labels; there is no paper. Please reset the sensor.</p>	
	<p>Unable to find file. The printer prints the message « File not found »</p>	<p>Delete unnecessary data or install additional memory.</p>	<p>Use the « ~X4 » command to print all files. Then check whether the files exist and whether the names are correct.</p>	

<p style="text-align: center;">File Error</p> 	<p style="text-align: center;">2 x 2 beeps</p>	<p style="text-align: center;">A file of the same name already exists. The printer prints the message « Duplicated Name ».</p>	<p style="text-align: center;">Change the name of the file and try storing it again.</p>
---	--	--	--

6.10 USB Host

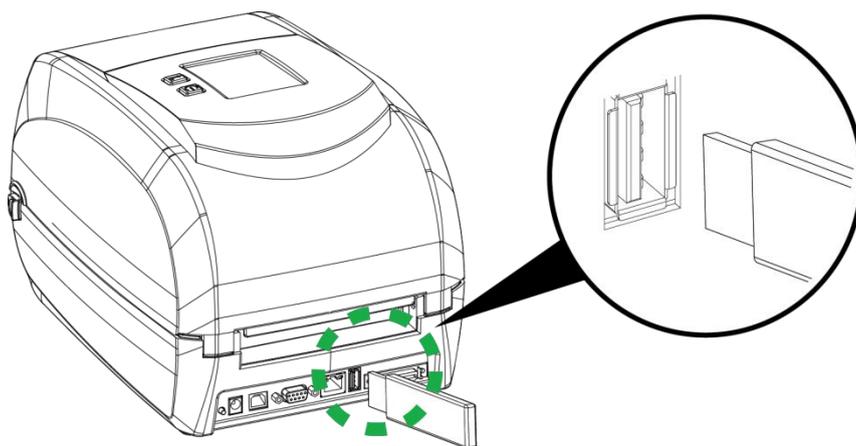
Definition: USB Host port supports either device: USB memory stick, USB keyboard or scanner.

Purpose

- USB memory stick: It extends the user memory space for Graphic, Font, Label Format, DBF and Command files downloading. The printer's Firmware can also be updated by copying a new version of Firmware into USB memory stick.
- Connecting an USB keyboard to printer for "Keyboard Mode" mode operation.
- Plug-in an USB scanner to operate the printer in "Keyboard Mode".

6.10.1 Usage of Extended Memory

- USB memory stick : It supports hot-plugging function; printer will create a Folder "\LABELDIR" and switch "User Flash" to " Extended Memory" automatically while user plugs an USB memory stick into the printer.



6.10.2 Usage of Firmware Update

- Remove USB memory stick from printer and plug-in it to a PC's USB port.
- Copy a new version of Firmware "xxx.bin" to the Folder "\\LABELDIR\FW"
- Remove USB from PC and plug-in back to the printer. The printer will update the Firmware automatically
- The "\\ LABELDIR \ FW" directory allows only one file exists, if there are multiple files, the files will be confused.
- Don't remove the USB memory stick out while it's under updating with "Flash Writing..." message that displays on LCD panel.

6.10.3 USB Keyboard

- When plug-in an USB keyboard to the printer, LCD touch panel will display "Enter Standalone", press the "Y" key on keyboard to entering "Keyboard Mode" operation. In this mode you can perform "Recall Label", set "Country Code", "Code Page", "Clock Setting", "Database Setting" and "Label Edit".
- By connecting a USB keyboard to the printer, if you don't want to enter the Standalone mode, press the "N" key to leave. To leave Standalone mode operation, press "ESC" key to exit.
- After leaving the keyboard mode, for re-entry, press the keyboard "F1" key or reboot to display "Enter Standalone".

6.10.4 Scanner

- When plug-in an USB scanner to the printer, LCD touch panel will display "Enter Standalone", tap the "Feed" Key to entering "Keyboard Mode" operation.

Note

- The USB Host port on printer does not support "USB HUB" function.
- The USB Memory Stick supports with "FAT32" Disk Format and up to 32GB only. The certified vendors are Transcend, Apacer, ADATA, Patriot, Corsair and Kingston.
- The USB Memory Stick only supports download through the printer, On a PC, user may copy entire folder "\\LABELDIR" from USB memory stick to PC or vice-versa. You can't copy the data to USB Memory Stick via PC individually.
- *External USB Host port is for power 500 mA, is not recommended as electronics charging use.

6.11 Dump Mode Begin

For make sure provide us correct information for check what commands sent from the PC or software, please following below steps,

STEP 1: Let the printer enter Dump Mode

Here is how you switch to dump mode:

On the Ready Page, three function mode for setting. You can make various setting functions in FUNCTIONAL MODE.

1. Tap "Main" on LCD menu
2. Tap "Printer Control"
3. It will show Printer Control setting items such as Configuration-->Directory-->TPH Testing-->Dump Mode

Please select to Dump Mode.

STEP 2: Make sure printer ready for print a label

STEP 3: Send a label or commands which met problem to the printer

STEP 4: Printer will print out a label with letters and numbers, please take a picture on them and send us by email.

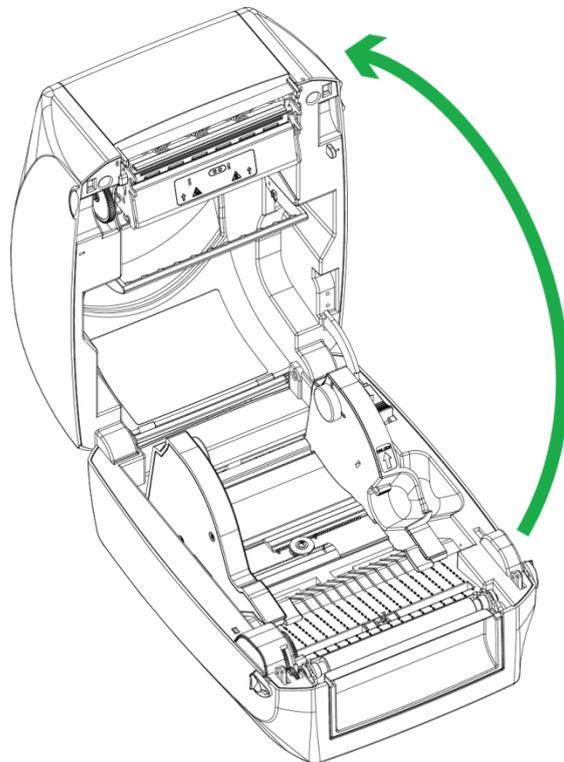
To cancel (get out of) the Dump Mode, please press the FEED key, and then the printer will automatically print "OUT OF DUMP MODE." This indicates that the printer is back to the standby mode.

7 Accessories

7.1 Preparation Steps

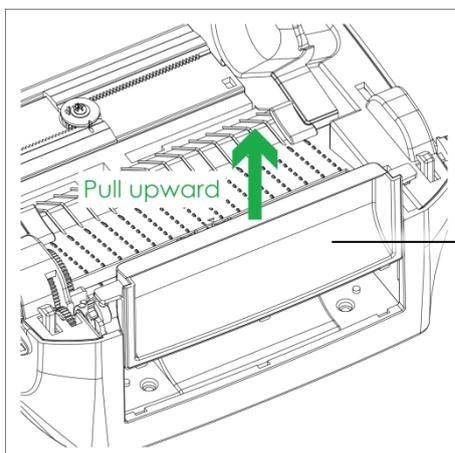
Before installing the cutter, please make some preparations as follows.

1. Turn off the printer:
Remember to switch off the printer before installing any module.
And also remove the power supply.
2. Open the printer cover and the printing mechanism:
Open the printer cover by pulling the release catches on both sides of the printer and lift the cover.



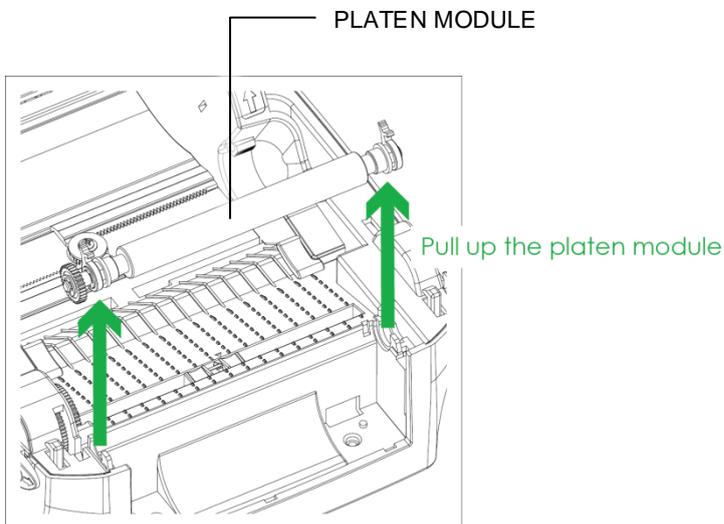
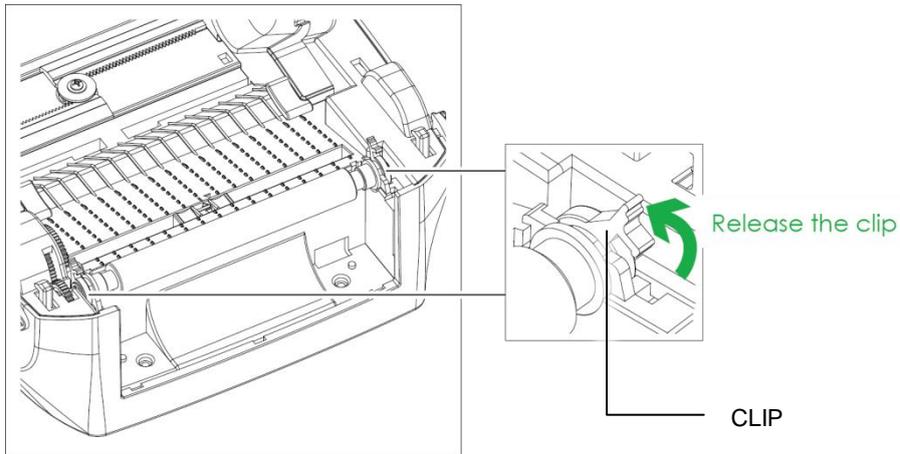
The printing mechanism is lifted up with the printer cover

3. Remove the front cover:
Please pull upward to remove the front cover.



FRONT COVER

4. Remove the platen :
Lift up the release clips on both sides of the platen to release and pull upward the platen.



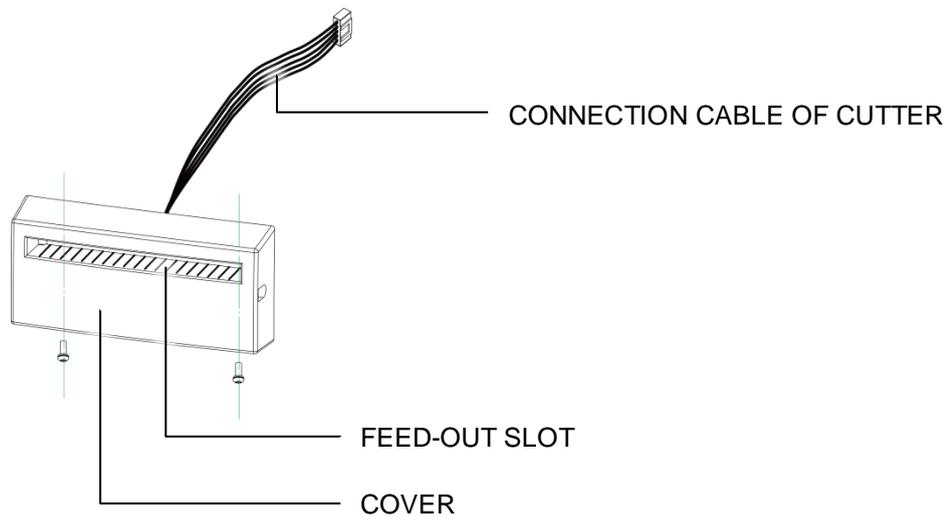
5. Ribbon loading:
Please see the Section 5.2 for further information about Loading the Ribbon.
6. Label loading
Please see the Section 5.3 for further information about Loading the Label Roll Module.

7.2 Installing the Cutter

Preparation Steps

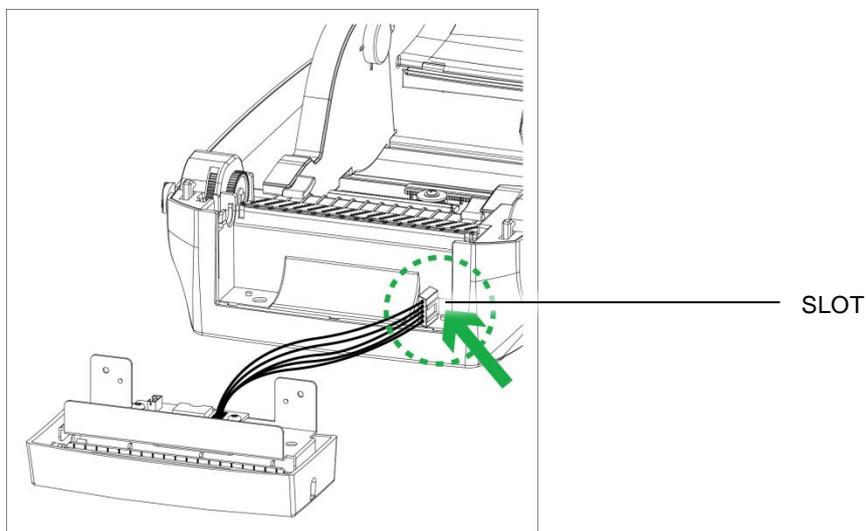
Please see the Section 7.1 Preparation Steps to complete the preparation steps before installing the cutter.

The Overview of the Cutter



7.2.1 Installing the Cutter

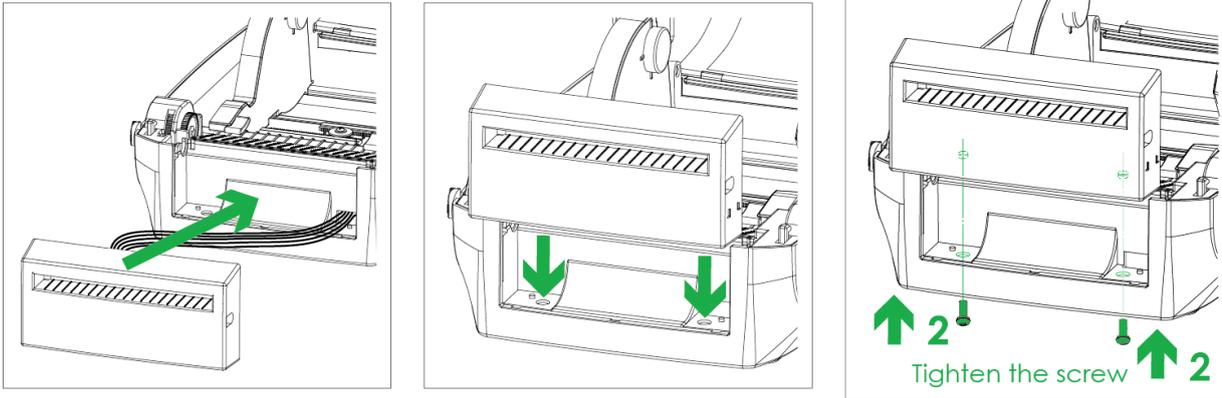
1. Pass the connection cable through the slot of the printer.



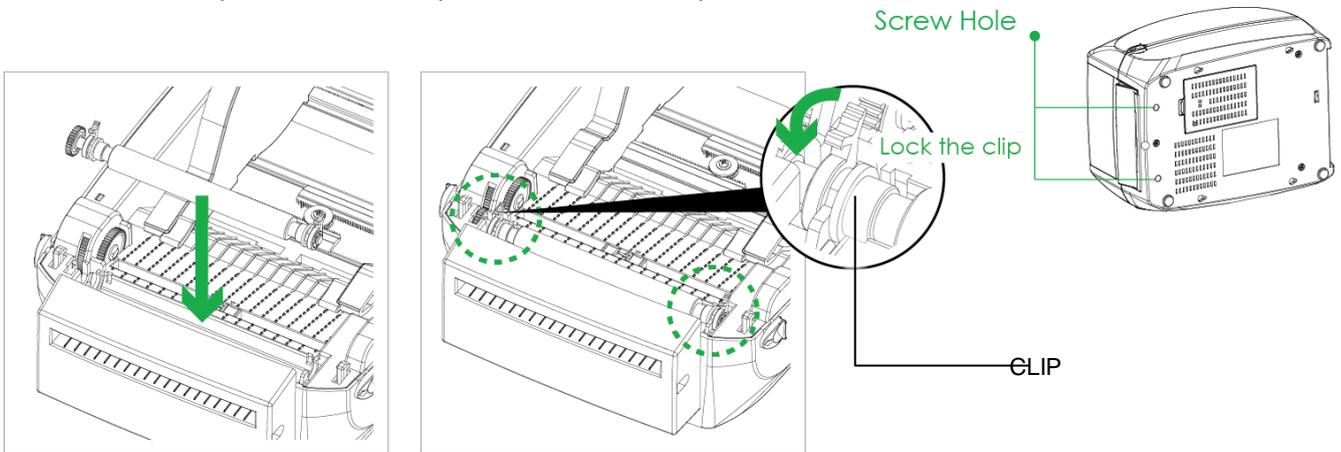
NOTE:

- * Remember to switch off the printer before installing the cutter.
- ** Do not use to cut adhesive labels! Glue residue will be left on the cutter blade and impair its functioning.
- *** You can cut paper with a max. width of 100mm.
- **** With the cutter installed, set the stop position in WinTexx to 33.

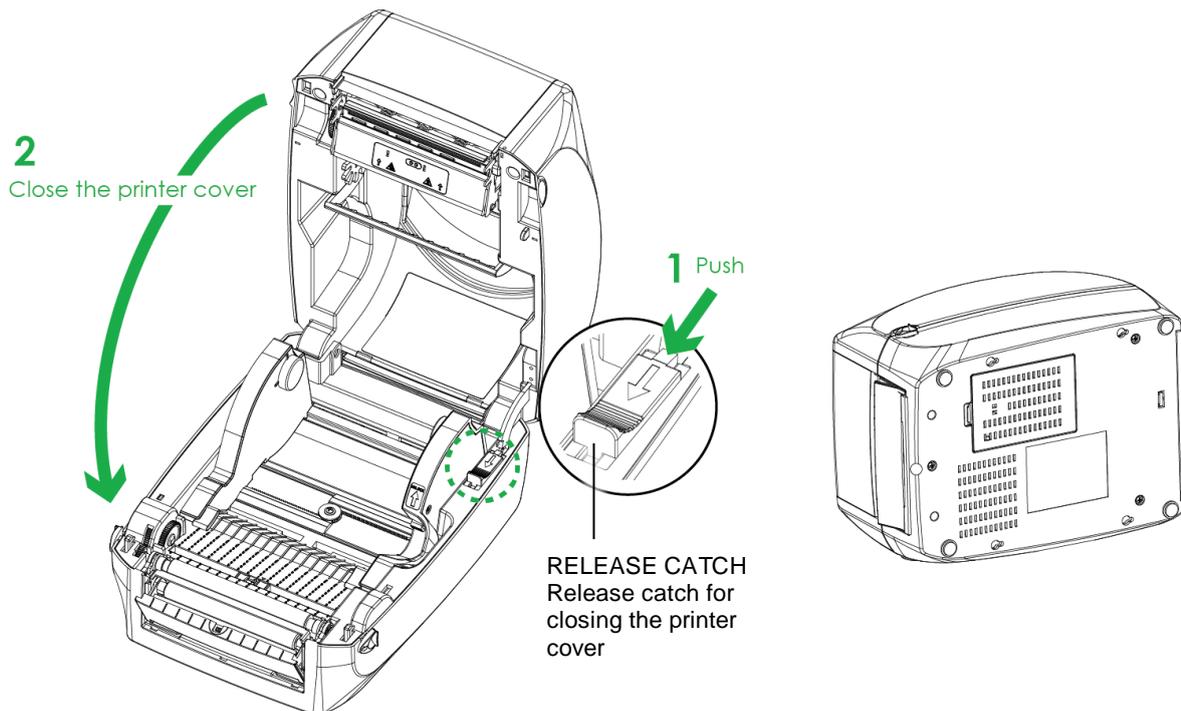
- Place the cutter to align both holes of screw and then tighten the screws.
(Screw holes on the front side of the bottom barcode Printer)



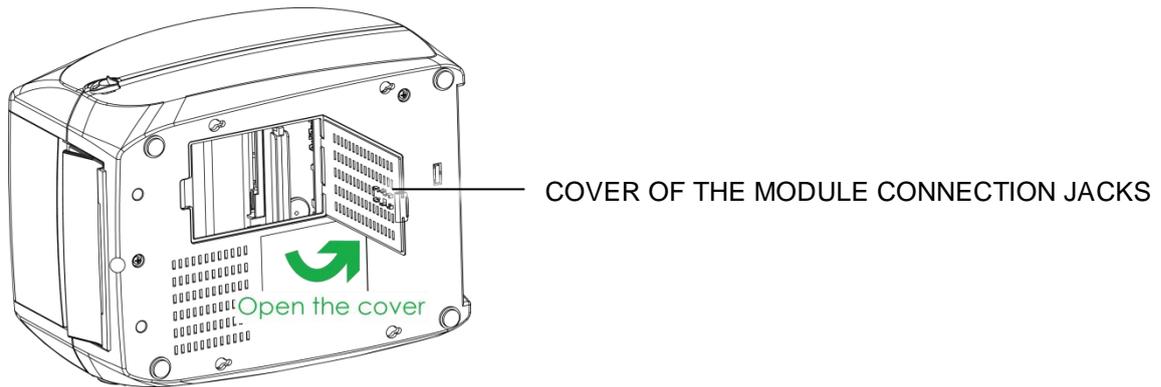
- Place the platen back to the printer and lock the clips.



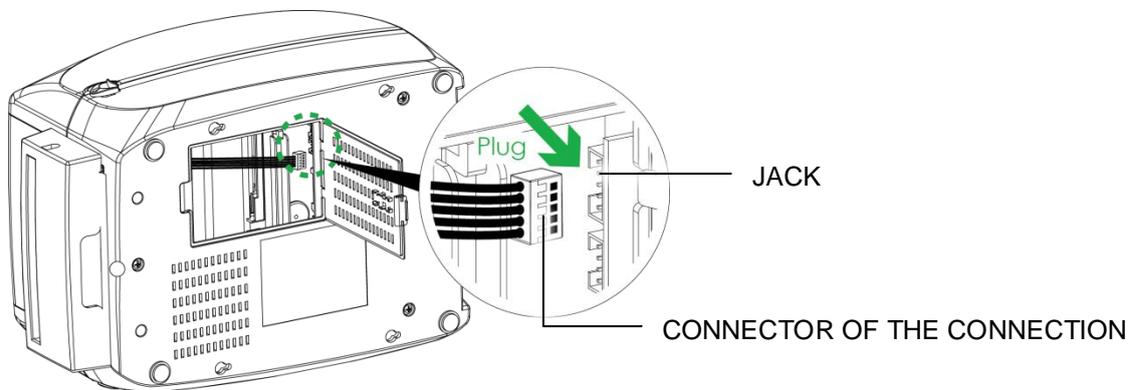
- Close the printer cover and printing mechanism.
Then turn the printer upside down.



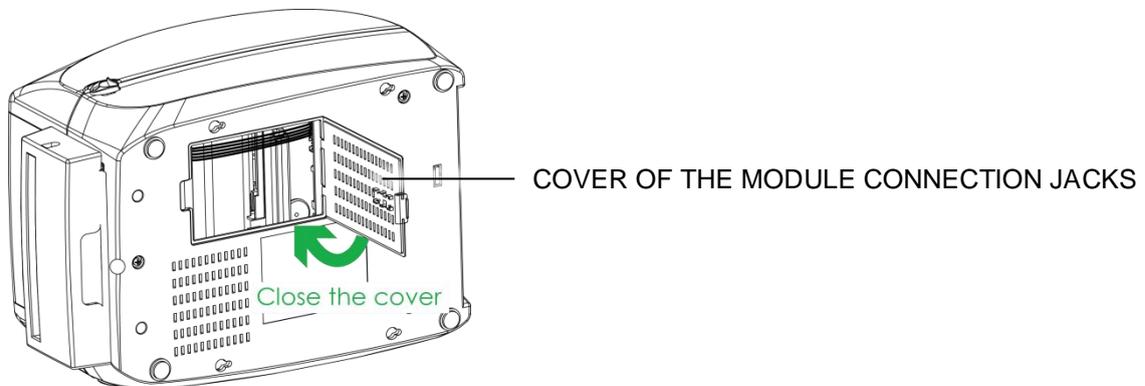
5. Open the cover on the bottom of printer.



6. Plug the connector for the cutter to the jack.



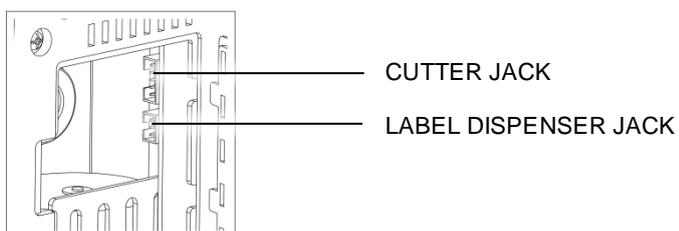
7. Close the cover of the module connection jacks.



NOTE:

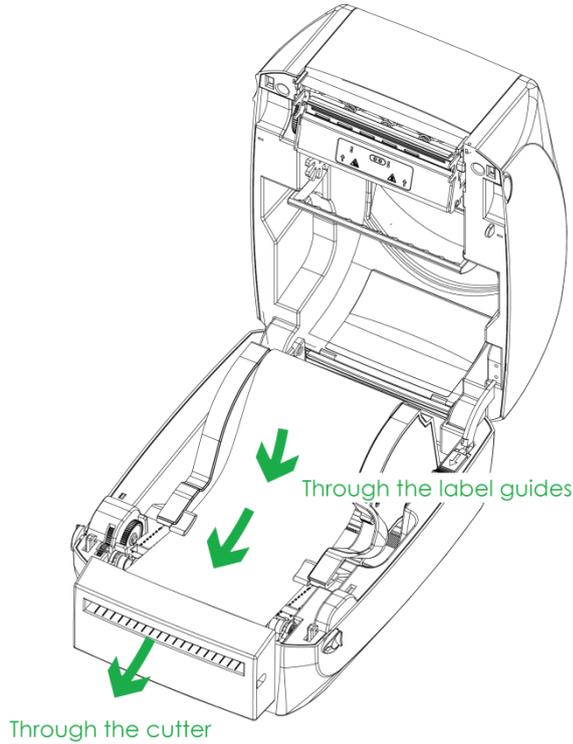
* The printer must be switched off, or the motherboard may be destroyed!

** There are 5 jacks: the lower jack for the label dispenser, the upper jack for the cutter. And additionally Real Time Clock, Bluetooth and Wi-Fi.

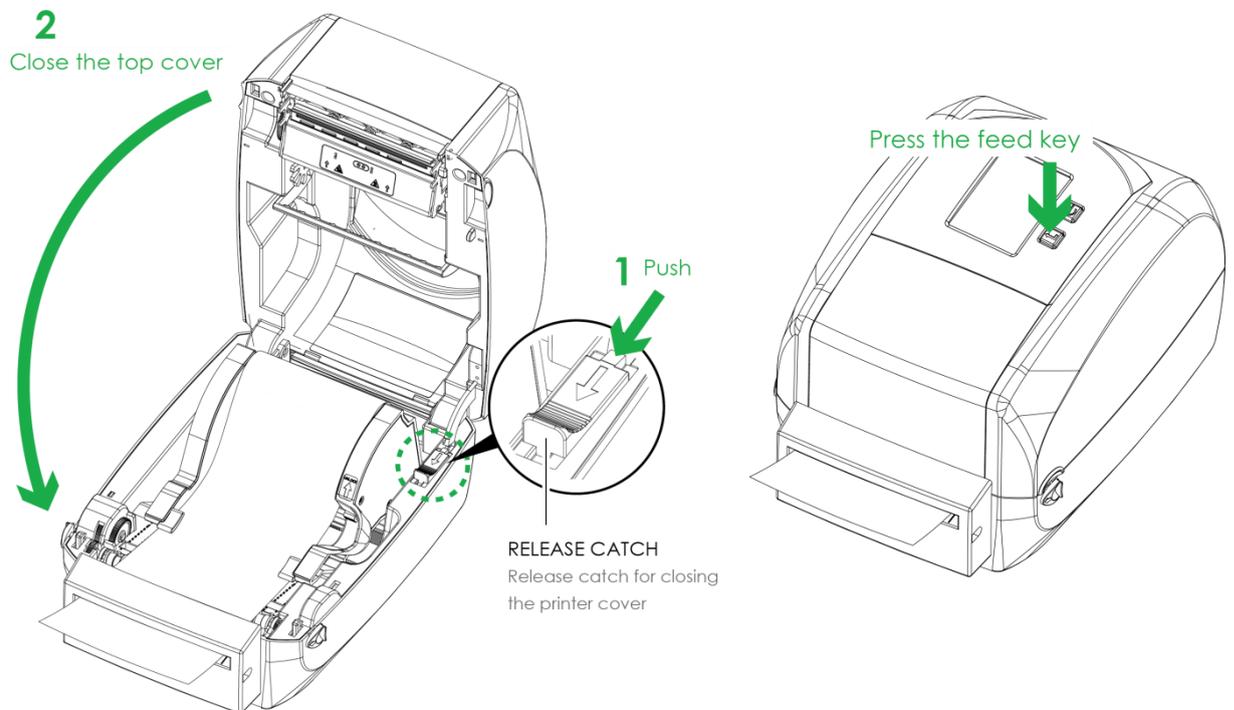


7.2.2 Installing the Label Roll Module on the Printer

1. Pass the labels through the guides and the cutter.



2. Close the top cover and printing mechanism. To finish, press the FEED button to set the label position.



NOTE:

* We advise against using inside wound label stock.

** Labels should be at least 30 mm high. When using the printer with the cutter, you should set the stop position (^E) to 33.

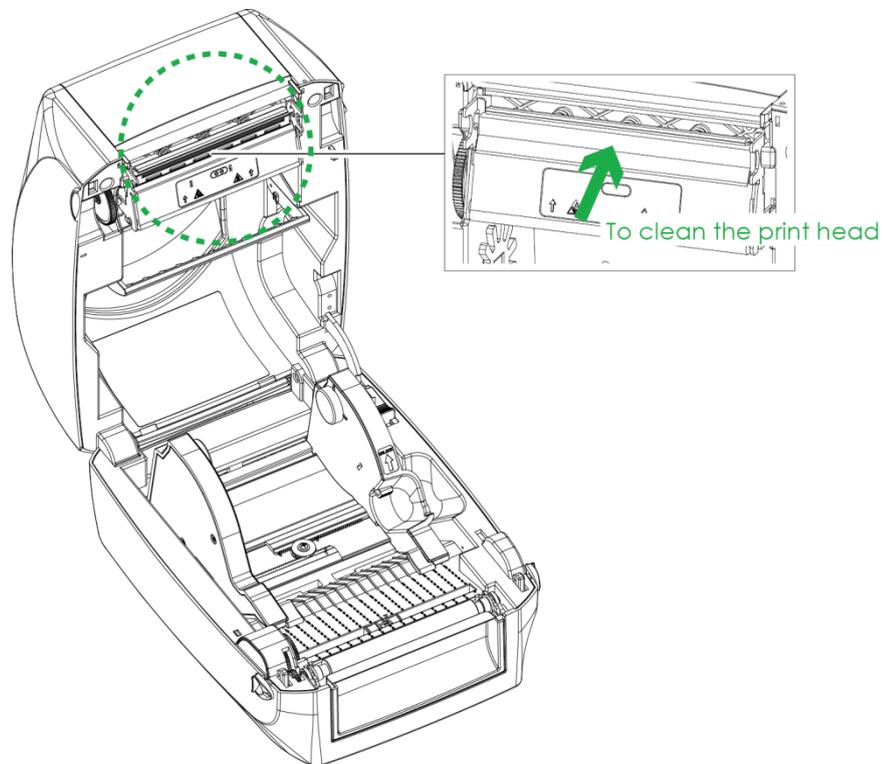
8 Maintenance and adjustment

8.1 Cleaning the 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 paper or labels ensures a good print quality and a longer lifespan of the print head.

Cleaning Steps

1. Switch off the printer.
2. Open the printer cover.
3. Remove the ribbon.
4. To remove any label residue or other dirt from the print head (see green arrow), please use a soft lint-free cloth dipped in alcohol to wipe.



NOTE:

- * We advise to clean the print head once per week. (Recommended)
- ** When cleaning the print head, please do not use any sharp or hard objects!
- *** Do not touch the glass safeguard of the print head with your bare hands!

8.2 Troubleshooting

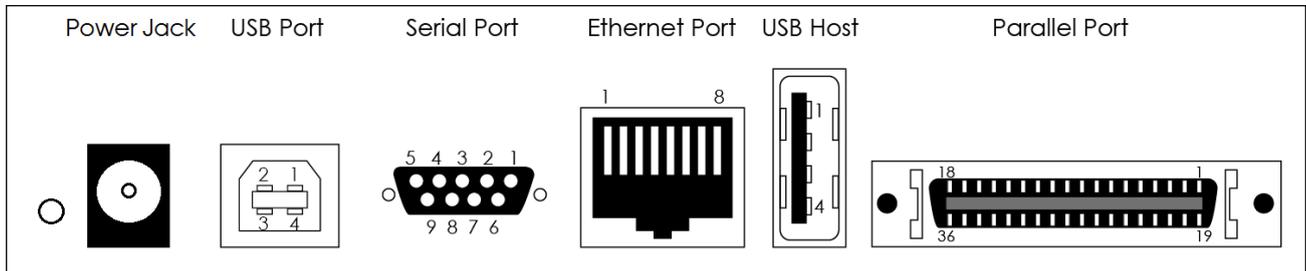
Problem	Solution
The printer is switched on but the LCD screen does not light up.	Check the power supply. (Please see the Section 5.4)
The LCD screen displays error alert and printing is interrupted.	Check the software settings (driver settings) or command codes. Look for the error alert in the table in Section 6.8. Error Alerts. Check whether the print mechanism is closed correctly. (Please see the Section 4.5)
The label stock passes through the printer but not image is printed.	Please make sure that the label stock is loaded the right side up and that it is the suitable material. Choose the correct printer driver. Choose the correct label stock and a suitable printing mode.
The label stock jams during printing.	Clear the paper jam. Remove any label material left on the thermal print head and clean the print head using a soft lint-free cloth dipped in alcohol. (Please see the Section 8.1)
There is no printed image on some parts of the label.	Check whether there is any label material or ribbon stuck to the thermal print head. Check for errors in the application software. Check whether the starting position has been set correctly. Check the ribbon for wrinkles. Check the power supply is correct.
There is no printed image on part of the label or the image is blurred.	Check the thermal print head for dust or other dirt. Use the internal '~T' command to check whether the thermal print head will carry out a complete print job. Check the quality of the print medium.
The printed image is positioned incorrectly.	Check whether there is paper or dust covering the sensor. Check whether the label stock is suitable. Contact your supplier. Check the paper guide settings.
Skipping labels during printing.	Check the label height setting. Check whether there is dust covering the sensor. Run the auto-detection function. (Please see the Section 6.7)
The printed image is blurred.	Check the darkness setting. Check the thermal print head for dust or dirt. (Please see the Section 8.1)
The cutter does not cut off the labels in a straight line.	Check whether the label stock is positioned straight.
The cutter does not cut off the labels completely.	Check whether the label is more than 0.2 mm thick.
When using the cutter, the labels are not fed through or cut off incorrectly.	Check whether the cutter has been correctly installed. Check whether the paper guides are functioning correctly.
The label dispenser is not functioning normally.	Check whether there is dust on the label dispenser. Check whether the label stock is positioned correctly.

Please address any questions to our technical hotline in Germany
Tel.: 00 49 781/9616-36, Fax: 00 49 781/9616-30, E-Mail: hotline@thermo-tex.de

For clients from Switzerland: Tel.: 00 41 61751/9100, Fax: 00 41 61751/9101,
E-Mail: info@thermo-tex.ch

8.3 Communication port specifications

Pinout Description



USB Port

Connector Type:Type B			
Pin NO.	1	2	3
	NC	D-	D+
			4
			GND

Serial Port

RS232 Housing (9-pin to 9-pin)										
Pin NO.	1	2	3	4	5	6	7	8	9	Type
	+5V, max 500mA	TXD	RXD	N/C	GND	RTS	CTS	RTS	N/C	DB9 Plug
	-	RXD	TXD	DTR	GND	DSR	RTS	CTS	RI	DB9 Socket

Default Settings: Baud rate 9600, no parity, 8 data bit, 1 stop bit, XON/XOFF, Protocol and RTS/CTS

Ethernet Port

Type: RJ45								
Pin NO.	1	2	3	4	5	6	7	8
	TX+	TX-	RX+	NC	NC	RX-	NC	NC

USB Host

Connector Type:Type A			
Pin NO.	1	2	3
	VBUS	D-	D+
			4
			GND

Parallel Port

Type: Centronics Female												
Pin NO.	1	2	3	4	5	6	7	8	9	10	11	12
	BUZY	SELECT	ACK	FAULTN	LPT PER	DATA0	DATA1	DATA2	DATA3	DATA4	DATA5	DATA6
Pin NO.	13	14	15	16	17	18	19	20	21	22	23	24
	DATA7	LPT INTN	STROB	SELIN	AUTO	NC	GND	GND	GND	GND	GND	GND
Pin NO.	25	26	27	28	29	30	31	32	33	34	35	36
	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	5V

NOTE:

* Serial port total output cannot exceed the maximum current of 500mA

9 Bluetooth Setting

9.1 Steps for setting Bluetooth keyboard

Step 1 Power off the printer

Step 2 Install the Bluetooth module

Note: Methods for installing Bluetooth module, please refer to Bluetooth module manual

Step 3 A grey Bluetooth icon will be displayed in the main page after switching on the printer and it indicates that the printer has detected the Bluetooth module.



Activate the Bluetooth keyboard to be detectable.

Step 4 Switch on the keyboard on the left side



Step 5 Hold down F1 Button for 3 seconds => fast blinking light means the keyboard enters pairing mode.



Step 6 Steady light for 5 seconds indicates successful pairing. If light blinks slowly, repeat previous step.

9.2 Steps for setting Bluetooth connection on the LCD panel

Step 1 Turn on the printer and LCD panel will display home screen.

Step 2 Select "Main"

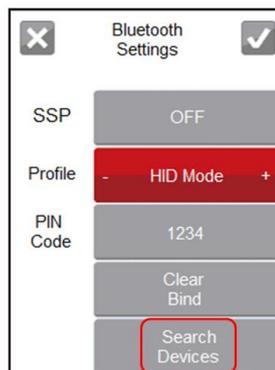


Step 3 Select "Devices"

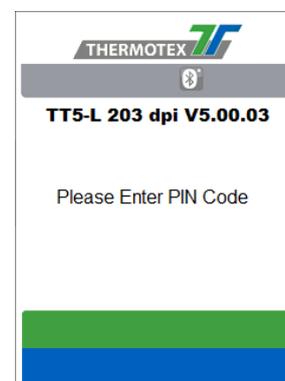
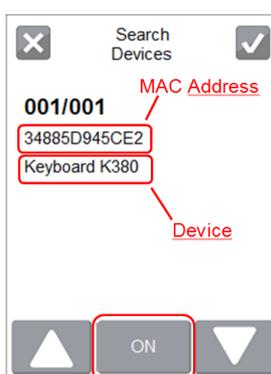
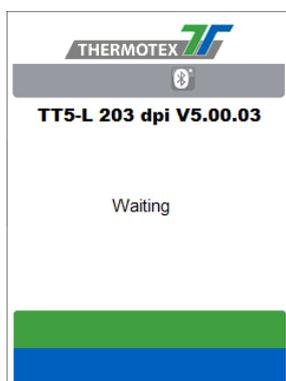


Step 4 Select "Bluetooth Settings"

Step 5 Set "Profile" to "HID Mode" and click "Search Devices"



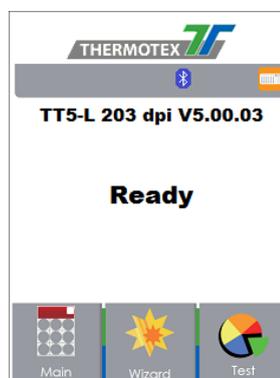
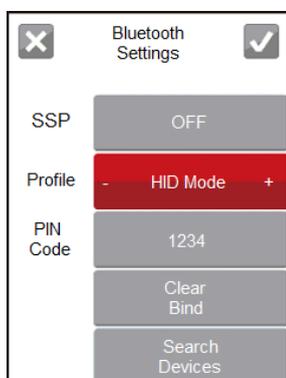
Step 6 The LCD panel will display “Waiting” when the printer detects the Bluetooth keyboard. When the Bluetooth keyboard is detected by the printer, the monitor will indicate the information of Bluetooth keyboard.



Step 7 Press “ON” button on the LED panel to create a connection between the printer and the Bluetooth keyboard, and then the LCD panel will display „Please enter PIN Code“ Enter the “PIN Code” into the printer via the Bluetooth keyboard.

Note: The “PIN Code” does not need to be entered if the “SPP” of the printer and the Bluetooth keyboard is set “ON”.

Step 8 When the connection is successfully created, the current panel will be automatically switched to the setting menu of Bluetooth, as the figure below indicates. (The upper left corner LED of Bluetooth keyboard will steady light for 5 seconds)



9.3 Introduction of the Bluetooth parameters

	<p>SSP</p>	<p>The Bluetooth code is not needed to be inputted when the Secure Simple Pairing mode of the Bluetooth setting in the printer and the PC/Keyboard is set “Activated”.</p> <p>Note: To be allowed to change this setting, please select “Clear Bind” in order to disconnect the paired device.</p>
	<p>Profile</p>	<p>It can be switched to SPP mode or HID mode. SPP mode : for creating the connection of PC or mobile phone HID mode : for creating the connection of Bluetooth keyboard and Bluetooth scanner. Note: To be allowed to change this setting, please select “Clear Bind” in order to disconnect the paired device.</p>
	<p>PIN Code</p>	<p>Code of printers and Bluetooth. Note: To be allowed to change this setting, please select “Clear Bind” in order to disconnect the paired device.</p>
	<p>Clear Bind</p>	<p>It deletes connections of Bluetooth devices.</p>
	<p>Search Devices</p>	<p>It scans Bluetooth devices when pressing the button. It shows information of devices when the searching is completed</p> <ol style="list-style-type: none"> 1. It only support HID 2. It only shows English and numbers 3. It shows maximum 16 pairs informatin of devices 4. *It disconnects current connection when functioning, after creating a successful connection

10 Spare parts list

Designation	ThermoTex Article No.
Printhead 203 dpi	22711
Printing Roller	22713
External roll holder	18064
Rotary cutting device	22687
Cleaning set	50393
USB cable type A/B	14224
Ethernet cable 3m RJ45	14405
Ink ribbon holder	22733
USB Mini-Keyboard UK	22782
Power supply	22716
British 3-pin blade plug	20667