

P1300 Hybrid Printer

User Manual

01750359618 B



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1 MANUFACTURER'S DECLARATION AND APPROVAL

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

FCC-Class A Declaration

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Modifications not authorized by the manufacturer may void users authority to operate this device.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CAN ICES-3 (A)/NMB-3 (A)



The device complies with the requirements of the EEC directive 2014/30/EU with regard to "Electro-magnetic compatibility" and 2014/35/EU "Low Voltage Directive" and RoHS directive 2011/65/EU.

Therefore, you will find the CE mark on the device or packaging.



In addition, the P1300 has received the cTUVus symbol.

The following information is for EU-member states only:

Disposal of products

(based on EU-Directive 2012/19/EU)

Directive on Waste electrical and electronic equipment – WEEE)

	<p>The use of the symbol indicates that this product may not be disposed as unsorted municipal waste and has to be collected separately. Integrated batteries and accumulators can be disposed of with the product. They will be separated at the recycling centers.</p> <p>The black bar indicates that the product was placed on the market after August 13, 2005.</p> <p>By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environmental and human health, which could otherwise be caused by inappropriate waste handling of this product.</p> <p>For more detailed information about the take-back and recycling of this product, please contact your supplier where you purchased this product.</p>
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Changes or modifications not expressly approved by the manufacturer for compliance could void the User's authority to operate the equipment.

Canada – Industry Canada (IC)

This device complies with Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved the grantee of this device could void the user's authority to operate the equipment.

Cet apparell est conforme avec industrie Canada exemptes de licence RSS standard(s).

Son fonctionnement est soumis aux deux conditions sulvantes:

- (1) cet apparell ne dolt pas causer d'interference et
- (2) cet apparell dolt accepter toute interference, notamment les interference qui peuvent affecter son fonctionnement

2 SUPPLIER'S DECLARATION OF CONFORMITY

Product Description: Hybrid Printer

Model: P1300

Party issuing Supplier's Declaration of Conformity

Diebold Nixdorf Singapore PTE. LTD.

30A Kallang Place

#04-01

Singapore 339213

Phone: +65 6747 3828

Responsible Party – U.S. Contact Information

Diebold Nixdorf

5995 Mayfair Road

N. Canton, OH 44720 / USA

Phone: +1 330 490 5049

FCC Compliance Statement (for products subject to Part 15)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

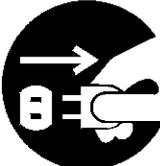
- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

3 SAFETY SUMMARY

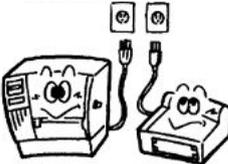
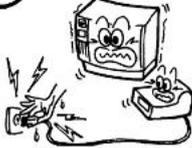
Personal safety in handling or maintaining the equipment is extremely important. Warnings and Cautions necessary for safe handling are included in this manual. All warnings and cautions contained in this manual should be read and understood before handling or maintaining the equipment.

Do not attempt to effect repairs or modifications to this equipment. If a fault occurs that cannot be rectified using the procedures described in this manual, turn off the power supply, unplug the machine, and then contact your authorized Diebold Nixdorf representative for assistance.

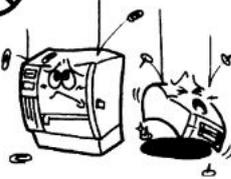
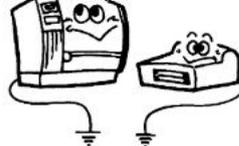
Meanings of Each Symbol

	<p>This symbol indicates warning items (including cautions).</p> <p>Specific warning contents are drawn inside the symbol.</p> <p>(The symbol on the left indicates a general caution.)</p>
	<p>This symbol indicates prohibited actions (prohibited items).</p> <p>Specific prohibited contents are drawn inside or near the symbol.</p> <p>(The symbol on the left indicates “no disassembling”.)</p>
	<p>This symbol indicates actions which must be performed.</p> <p>Specific instructions are drawn inside or near the • symbol.</p> <p>(The symbol on the left indicates “disconnect the power cord plug from the outlet”.)</p>

	<p>⚠ WARNING</p> <p>This indicates that there is the risk of death or serious injury if the machines are improperly handled contrary to this indication.</p>
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 <p>Any other than the specified AC voltage is prohibited.</p> 	<p>Do not use voltages other than the voltage (AC) specified on the rating plate, as this may cause fire or electric shock.</p>	 <p>Prohibited</p> 	<p>Do not plug in or unplug the power cord plug with wet hands as this may cause electric shock.</p>
 <p>Prohibited</p> 	<p>If the machines share the same outlet with any other electrical appliances which consume large amounts of power, the voltage will fluctuate widely each time these appliances operate. Be sure to provide an exclusive outlet for the machine as this may cause the machines to malfunction.</p>	 <p>Prohibited</p> 	<p>Do not place metal objects or water-filled containers such as flower vases, flower pots or mugs, etc. on top of the machines. If metal objects or spilled liquid enter the machines, this may cause fire or electric shock.</p>

SAFETY SUMMARY

 <p>Prohibited</p> 	<p>Do not insert or drop metal, flammable or other foreign objects into the machines through the ventilation slits, as this may cause fire or electric shock.</p>	 <p>Prohibited</p> 	<p>Do not scratch, damage or modify the power cords. Also, do not place heavy objects on, pull on, or excessively bend the cords, as this may cause fire or electrical shock.</p>
 <p>Disconnect the plug.</p> 	<p>If the machines are dropped or their cabinets damaged, first turn off the power switches and disconnect the power cord plugs from the outlet, and then contact your authorized Diebold Nixdorf representative for assistance. Continued use of the machine in that condition may cause fire or electric shock.</p>	 <p>Disconnect the plug.</p> 	<p>Continued use of the machines in an abnormal condition such as when the machines are producing smoke or strange smells may cause fire or electric shock. In these cases, immediately turn off the power switches and disconnect the power cord plugs from the outlet. Then, contact your authorized Diebold Nixdorf representative for assistance.</p>
 <p>Disconnect the plug.</p> 	<p>If foreign objects (metal fragments, water, and liquids) enter the machines, first turn off the power switches and disconnect the power cord plugs from the outlet, and then contact your authorized Diebold Nixdorf representative for assistance. Continued use of the machine in that condition may cause fire or electric shock.</p>	 <p>Disconnect the plug.</p> 	<p>When unplugging the power cords, be sure to hold and pull on the plug portion. Pulling on the cord portion may cut or expose the internal wires and cause fire or electric shock.</p>
 <p>Connect a grounding wire.</p> 	<p>Ensure that the equipment is properly grounded. Extension cables should also be grounded. Fire or electric shock could occur on improperly grounded equipment.</p>	 <p>No disassembling.</p> 	<p>Do not remove covers, repair or modify the machine by yourself. You may be injured by high voltage, very hot parts or sharp edges inside the machine.</p>

	<p>⚠ CAUTION</p>
	<p>This indicates that there is the risk of personal injury or damage to objects if the machines are improperly handled contrary to this indication.</p>

Precautions

The following precautions will help to ensure that this machine will continue to function correctly.

- Try to avoid locations that have the following adverse conditions
 - Temperatures out of the specification
 - Direct sunlight
 - High humidity
 - Shared power source
 - Excessive vibration
 - Dust/Gas
- The cover should be cleaned by wiping with a dry cloth or a cloth slightly dampened with a mild detergent solution. NEVER USE THINNER OR ANY OTHER VOLATILE SOLVENT on the plastic covers.
- USE ONLY DIEBOLD NIXDORF SPECIFIED paper.
- DO NOT STORE the paper where they might be exposed to direct sunlight, high temperatures, high humidity, dust, or gas.
- Ensure the printer is operated on a level surface or vertical wall..
- Any data stored in the memory of the printer could be lost during a printer fault.
- Try to avoid using this equipment on the same power supply as high voltage equipment or equipment likely to cause mains interference.
- Unplug the machine whenever you are working inside it or cleaning it.
- Keep your work environment static free.
- Do not place heavy objects on top of the machines, as these items may become unbalanced and fall causing injury.
- Do not lean against the machine. It may fall on you and could cause injury.
- Care must be taken not to injure yourself with the printer paper cutter.
- Unplug the machine when it is not used for a long period of time.

4 IMPORTANT INFORMATION TO THE USER

In order to ensure compliance with the Product Safety, FCC marking requirements, you must use the power supply, power cord, and interface cable which were shipped with this product or which meet the following parameters:

Power Adapter

The power adapter is required to comply with the safety and/or EMC requirements depending on the county where the equipment is used, and to have the following electrical characteristics, Class 1 power adapter with SELV (Secondary Extra Low Voltage), non-energy hazard output, input rated 100-240 Vac, 2.0A Max, 50/60 Hz, output rated 24 Vdc, 2.6A.

Interface Cable

You are advised to use a shielded (360 degree) interface cable with this product. The shield must be connected to the frame or earth ground connection or earth ground reference at BOTH ends of the cable. If another cable is used than described above you will need to test this cable with the Diebold Nixdorf printer and your system for local EMC requirements where the equipment is used.

Power Cord

For this product a UL listed, detachable power cord is required. When the power supply is mounted on the floor, a power cord with Type SJT marking is required. If a power cord is used different from described above, you might violate safety certifications which are in force in the country of use. The socket-outlet needs to be installed near the equipment and must be easily accessible.

Caution Label Information / Informations sur l'étiquette d'avertissement

	Hot surface, Do not touch / Surface chaude, Ne pas toucher
	Hazardous Moving Parts, Keep Fingers and Other Body Parts Away/ Parties Mobiles Dangereuses Tenir Les Doigts Et Les Autres Parties Du Corps Éloignés.

Power Cord

As the power cord is not supplied with this printer, locally purchase the power cord that meets the following standard.

For USA and Canada:

Power Cord – UL and CSA approved, type SVT, 18/3AWG, rated min. 125V, 10A

Attached Plug and Appliance Coupler – UL and CSA approved, molded on type.

The plug is parallel-blade grounding type, NEMA 5-15P configuration. The appliance coupler is Female configuration.

Both attachment plug and appliance coupler are rated minimum 125V, 10A.

For European countries:

Power Supply Cord – HAR or domestic approved where the equipment is used,

Type H05VV-F, rated minimum 250V, 10A.

Attachment Plug and Appliance Coupler – Domestic approved where the equipment is used, molded on type, having grounding terminal rated minimum 250V, 10A. The appliance coupler is Female configuration.

5 UNPACKING

1. Open the carton.
2. Remove the printer from the carton.
3. Check the content and make sure no missing parts.
4. Place the printer on a level surface and make sure no physical damage.



1	Printer	2	Quick Installation Manual
3	Carton	4	Ribbon Cassette
5	Starter Receipt Roll	6	Protector Pack



NOTE

Keep the original carton and protector pack for future transportation of the printer.

6 PRODUCT OVERVIEW

6.1 Introduction

This product is consisting a thermal head for one side printing. Base model includes 32bit CPU architecture with Flash ROM, Cash Drawer Connector, Mini-DIN Power connector, USB Type B connector and expansion connector. The expansion connector is compatible with RS232 I/F as option.

Printing on single–page or multiple–page forms, validating checks, and printing checks are also easy in the accommodating slip station.

This manual contains general set-up and maintenance information and should be read carefully to help gain the maximum performance and life from your printer. For most queries please refer to this manual and keep it safe for future reference.

6.2 Features

Receipt Station

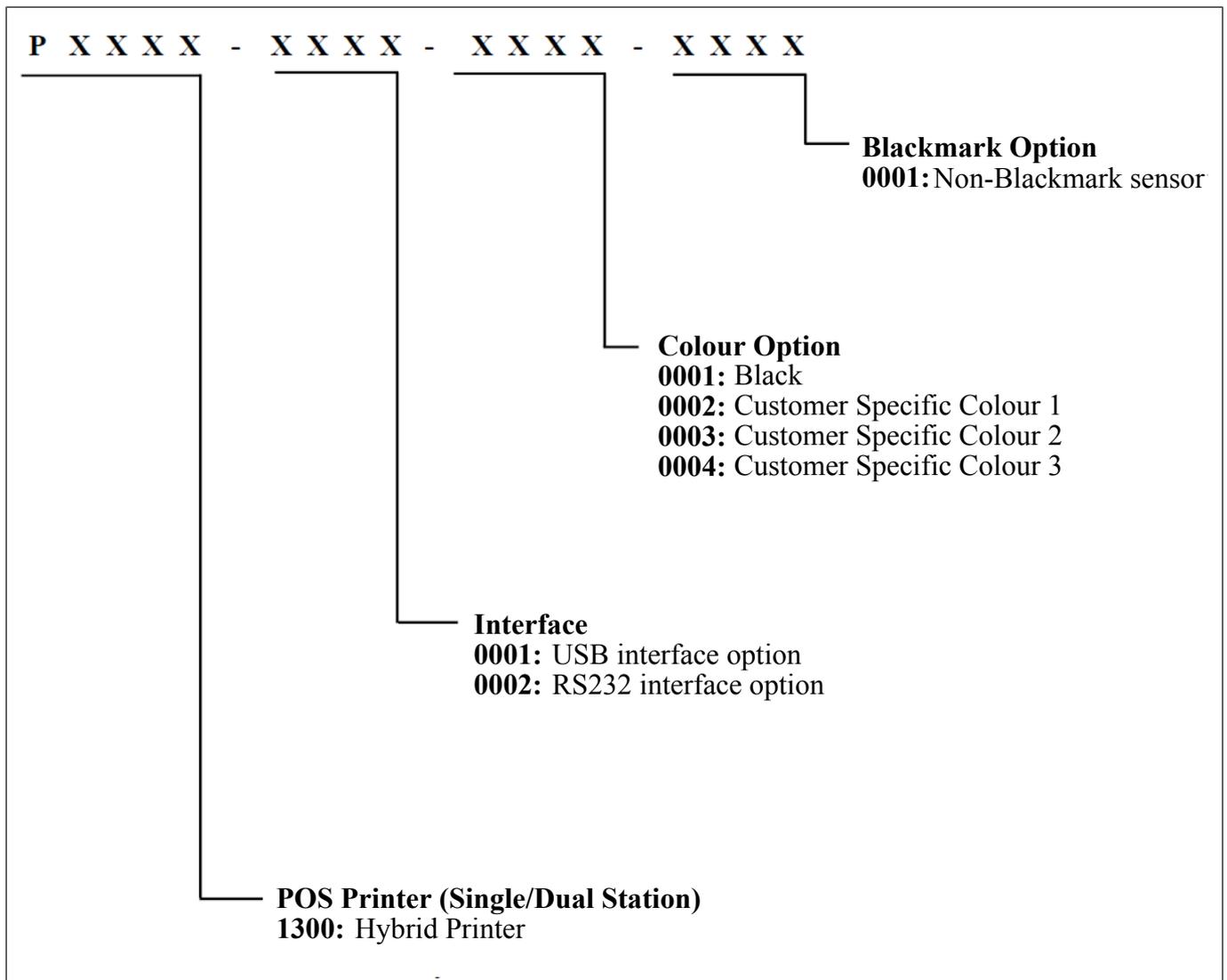
- Thermal printing
- Drop-in paper loading with paper low sensor
- Paper out sensor
- Paper jam sensor (detecting initial jam of paper at platen roller)
- Knife: Cut paper in full cut or partial cut (Partial cut knife leaves 2mm uncut at center) with home position sensor.

Slip Station

- Bi-directional, impact printing
- Printing of forms up to five plies
 - Front insertion of forms with forms stop
 - Side insertion of forms with override of forms stop
 - Automatic and manual insertion of forms
- Form alignment sensors and Slip In LED indicator
- Horizontal flat-bed slip table
- Snap-on ribbon cassette

6.3 Applicable Model

Model name description



6.4 Accessories

The following accessories are packed in the shipping carton box as shown below:

1 unit of Printer enclosed in a plastic bag and protector pack

Starter Receipt Roll (1pc)

Ribbon Cassette (1 pc)

Quick Installation Manual (1 copy)

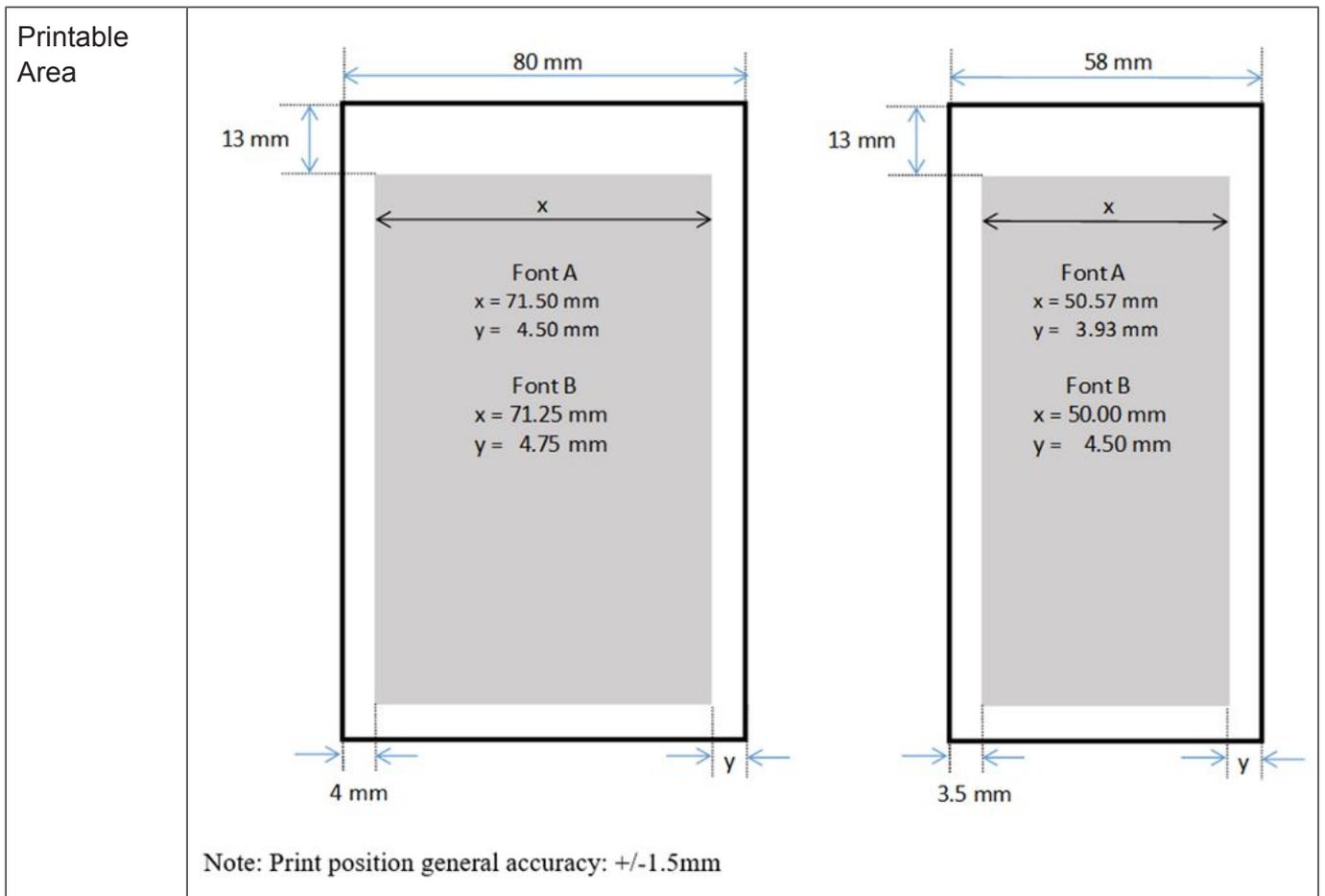
7 SPECIFICATIONS

7.1 General

Resolution	203 dpi model: 203 dpi x 203 dpi (8 dots/mm)
Interface (USB Type-B)	USB 2.0 High Speed Printer Class
Emulation Mode	P1300 / TH320 / ESC POS
Character set	<p>437 (US), 720 (Arabic), 737 (Greek), 775 (Baltic), 850 (Multilingual), 852 (Latin II), 857 (Turkish), 858 (with Eurosymbol), 860 (Portuguese), 862 (Hebrew), 863 (French Canadian), 864 (Arabic), 865 (Nordic), 866 (Cyrillic), 874 (Thai), 1250 (Windows Central Europe), 1251 (Windows Cyrillic), 1252 (Windows Latin I), 1253 (Windows Greek), 1254 (Windows Turkish), 1255 (Windows Hebrew), 1256 (Windows Arabic), 1257 (Windows Baltic), 28591 (Windows Latin 1), 28592 (Windows Latin 2), 28594 (Windows Baltic), 28596 (Windows Arabic), 28599 (Windows Turkish), 28605 (Windows Latin 9), Katakana and KZ_1048(Kazakh)</p> <p>Asian character set:</p> <p>932 (Kanji), 949 (Korean), 936 (Simplified Chinese) and 950 (Traditional Chinese with HKSCS extension) and GB18030</p>
Receipt Printing Speed	<p>Max 355 mm/sec (14ips), print with rolling ASCII.</p> <p>Printing speed is varied according to print density.</p>
Character attribute	Double width , Double high ,rotate , under line, bold
Bar code	UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93, Interleaved 2 of 5, Codabar, Code 128, EAN 128, GS1 Databar, Datamatrix, QR, and PDF-417
Gray scale printing	Print Speed 4ips max (101.6 mm/sec), 16 level gray scale
2 color printing	Print Speed 5ips max (127 mm/sec)
Line Spacing	7.52 LPI (default)
Resident Font - (It support two font types.)	
Character Cell Size	

SPECIFICATIONS

- Font A	13(H) X 24(V) dots	
- Font B	10(H) X 24(V) dots	
- Kanji	24(H) X 24(V) dots	
Column Width	80mm Paper mode	58mm Paper mode
- Font A	44 columns	31 columns
- Font B	57 columns	40 columns
- Kanji	24 columns	17 columns
Printable Width 2	80mm Paper mode	58mm Paper mode
- Font A	572 dots (71.50 mm)	403 dots (50.37 mm)
- Font B	570 dots (71.25 mm)	400 dots (50.00 mm)
- Kanji	576 dots (72.00 mm)	408 dots (51.00 mm)
- Graphics	576 dots (72.00 mm)	408 dots (51.00 mm)



7.2 Internal buffers

RAM (Total Size: IRAM 1.25MB, DRAM 8MB)

Interface Receive Data buffer 64 KB

Interface Send Data buffer 1 KB

User-defined Logo buffer 256 KB

Macro buffer 2 KB

Flash Memory (Total Size: 8MB)

User-defined Logo area 256 KB

User-defined Character area 64 KB

User-defined Data area 64 KB

Macro area 2 KB

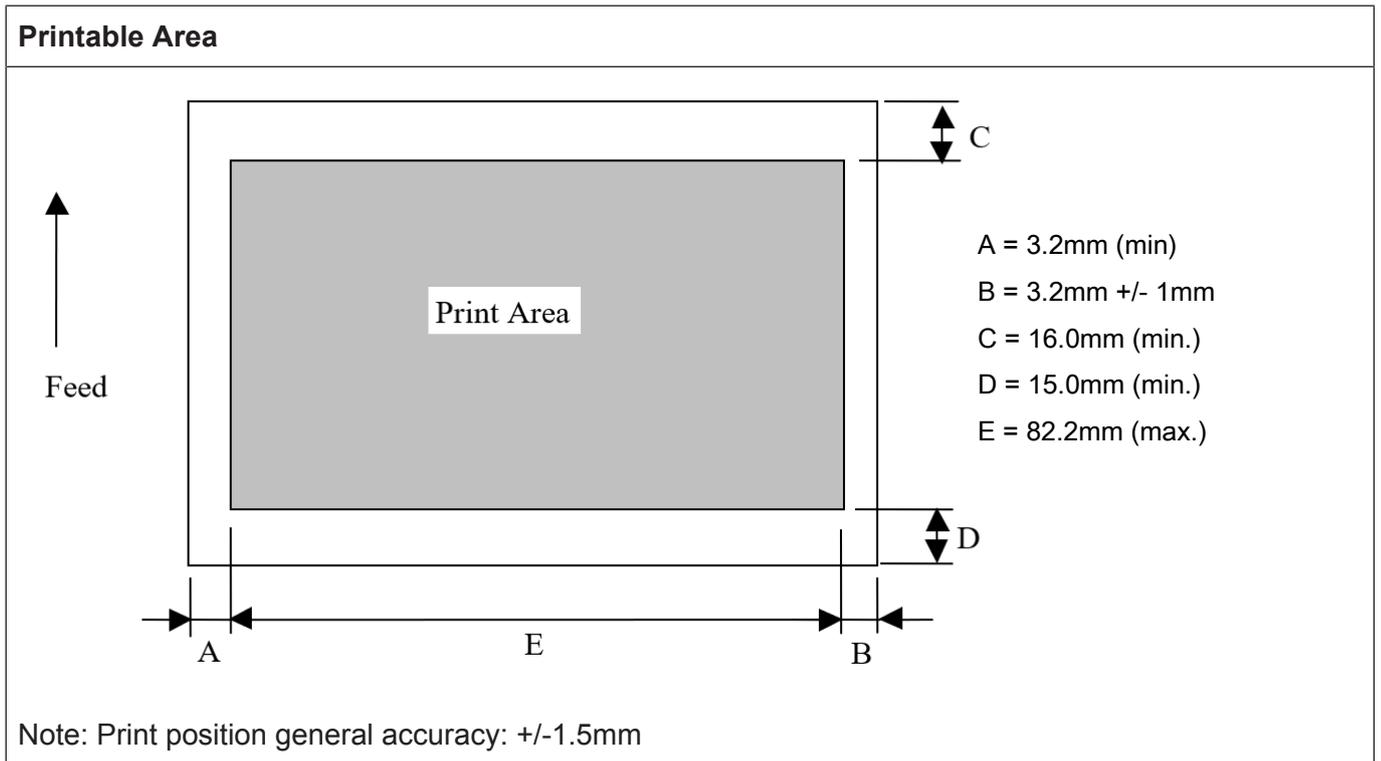
7.3 Thermal head basic performance

- 1) Type : Line thermal
- 2) Number of heating elements : 640 dots
- 3) Dot density : 8 dots/mm
- 4) Effective recording width : 80.00 mm
- 5) Data transmission method : 2 serial I/O inputs.
- 6) Number of strobes : 2

7.4 Slip Printing

7.4.1 General

Printing method	Bi-directional, Logic-seeking, 9 wire Impact printing
Resolution	
Font A	139 DPI x 72 DPI
Font B	171 DPI x 72 DPI
Character set	437, 737,850, 852,857,858,860,862,863, 865,866, 1251, 1252, 1255
Slip Printing Speed	300 character/sec at 13.9cpi
Printable Width	
Font A	45 char. = 82.2 mm
Font B	55 char. = 81.7 mm
Graphics	82.2 mm
Line Spacing	7.2 line/inch, standard
Resident Font	
Character Cell Size	
Font A	10 half dots x 7 dots high
Font B	10 half dots x 7 dots high
Rotated Character	5 dots x 7 dot height
Column Width	
Font A	45 Column (at 13.9cpi Standard Character)
Font B	55 Column (at 17.1cpi Compress Character)
Copy ability	1 to 5 part forms, true readability on the 4th ply and degradation on the 5th ply of the form
Throughput	5.7 line/sec (at print width of 40 columns and 17.1 cpi Standard character)



7.4.2 Impact Dot Matric Head Basic Performance

- 1) Type: Impact head
- 2) Number of pins: 9 wires
- 3) Dot density: 72dpi (Vertical)
- 4) Operation frequency: 1600Hz (Max.)

7.5 Main Card

- 1) CPU: R7S721021VCFP (RZ/A1L)
- 2) Operation Clock: 384MHz
- 3) Program ROM: 128M bits Flash (W25Q128FVSIG or equivalent)
- 4) RAM: 64M bits SDRAM (W9864G6KH-6 or equivalent)
- 5) I/F Connector: Cash Drawer Connector
- 6) Input: DC 24V Input
- 7) Indicator and SW: Receipt LED, Slip LED (Green, Red and Amber), Feed Button, Power Button

7.6 Standard Interface Card

I/F Connector: Expansion Board to Board I/F connector, USB I/F Type B

7.7 Option Interface Card

I/F Type: Serial / RS232C I/F

7.8 Reliability

7.8.1 Life

Thermal print head: 200 km (based on specified paper NPI TF50KS-EY)

Cutter: 3 million cuts (based on specified paper NPI TF50KS-EY)

Ribbon: 8 M Characters with rolling ASCII character printing.

7.9 Environmental usage conditions

1) During normal operation

Temperature range : 0 - 50°C

Temperature change : Max. 10°C /hour

Humidity range (no condensation) : 5% - 90%

Temperature at dew point : Max. 26°C

Humidity change : Max.10% /hour (at 26°C)

2) In idle mode

Temperature range : 0 - 55°C

Temperature change : Max. 10°C /hour

Humidity range (no condensation) : 5 - 95%

Temperature at dew point : Max. 26°C

3) Extreme operating range

Temperature range : 0 - 55°C

Temperature change : Max. 10°C /hour

Humidity range (no condensation) : 10 - 90%

Temperature at dew point : Max. 45°C

4) Storage

Temperature range (Dry Bulb) : -10 - 55°C

Max. Temperature Change : 15°C/hour

Humidity range (no condensation) : 5% - 90%

5) Transit

Temperature range (Dry Bulb) : -40 - 60°C

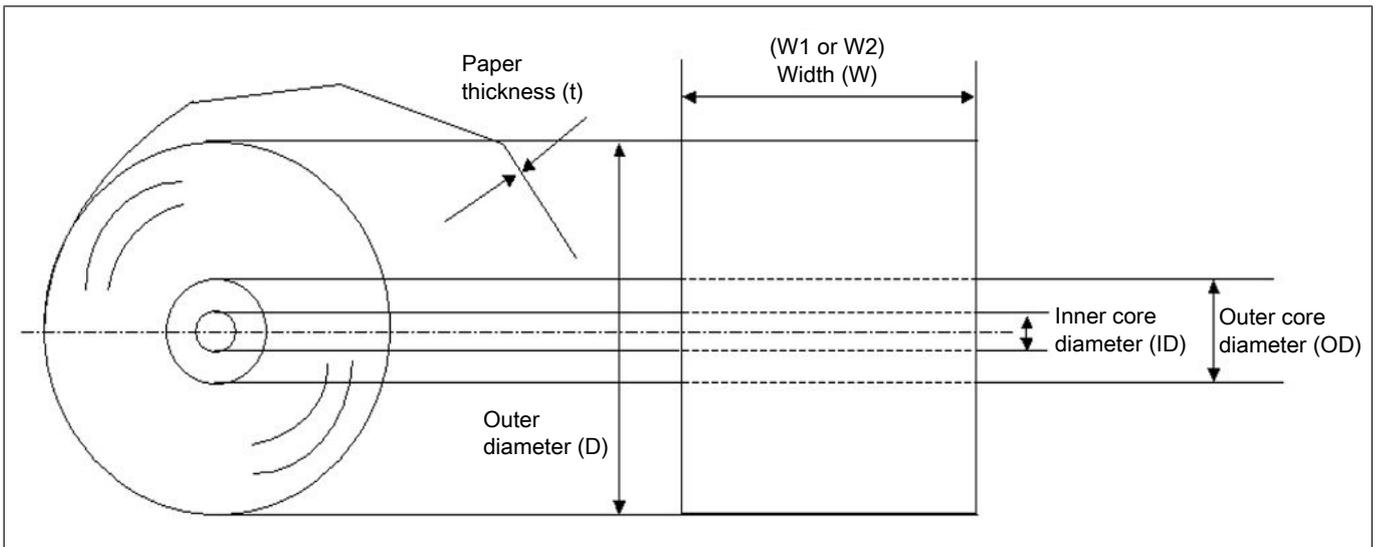
Max. Temperature Change : 20°C/hour

Humidity range (no condensation) : 5% - 95%

7.10 Options

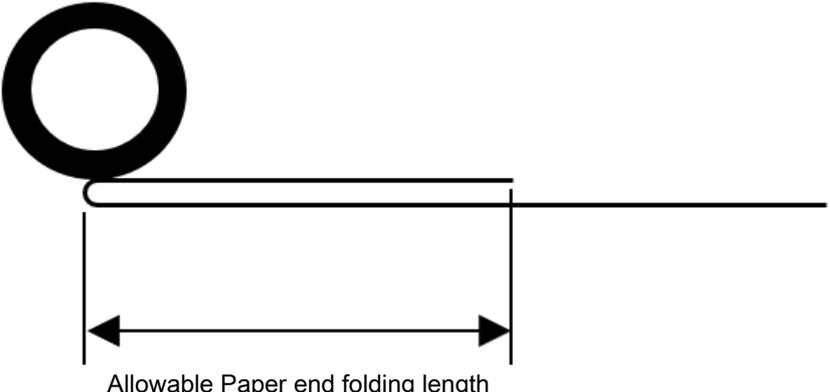
Option	Description
<p data-bbox="161 360 432 398">58mm Paper Guide</p> 	<p data-bbox="687 360 1334 398">A side guide which to support 58mm paper width.</p> <p data-bbox="687 427 890 465">(01750347863)</p>
<p data-bbox="161 1016 376 1055">Serial Interface</p> 	<p data-bbox="687 1077 1461 1151">Serial Interface is used to transmit data from the network to your computer by using RS232 cable.</p> <p data-bbox="687 1180 874 1218">(1750347865)</p>

7.11 Receipt Roll



Paper type	Thermal paper rolled with the print side facing outside
Width (W1)	80 +0/ -1.0 mm
Width (W2)	58 +0/ -1.0 mm (With optional 58 mm paper guide)
Outer diameter (D)	90mm max
Paper thickness (T)	0.050 ~0.01 mm
Weight	48~80 g/m2
Recommended thermal paper	<p>Only paper rolled onto a core is acceptable. However, the paper end should not be pasted to the core. Recommend using the following thermal paper for this product.</p> <p>Paper Mode 0 Paper type : NPI TF50KS-EY Manufacturer : Nippon Paper Industries Energy required to achieve OD 1.1 : 0.25mJ/dot (information from paper specification) BPA Free : No</p> <p>Paper Mode 1 Paper type : KT 48 FA Manufacturer : Koehler Energy required to achieve OD 1.1 : 14.9mJ/mm (information from paper specification) BPA Free : Yes</p>

SPECIFICATIONS

	<p>Paper Mode 2 Paper type : KT 48 PF Manufacturer : Koehler Energy required to achieve OD 1.1 : 0.28mJ/dot (information from paper specification) BPA Free : Yes</p> <p>Paper Mode 3 Paper type : Blue4est Manufacturer : Koehler Energy required to achieve OD 1.1 : 0.27mJ/dot (information from paper specification) BPA Free : Yes</p>
<p>Allowable paper end folding length. (This refers to the fold length before winding the paper.)</p>	<p>< 30mm</p>  <p>Allowable Paper end folding length</p>

	<p>⚠ CAUTION</p> <p>Use only paper which meets specified requirements. Use of non-specified paper may shorten the head life of the printer, resulting in problems with print quality, and cause a paper feed failure or shorten the cutter life. All paper should be handled with care to avoid any damage to the paper. Read the following guideline carefully.</p>
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SPECIFICATIONS

- Do not store the paper for longer than the manufacturer's recommended shelf life.
- Store the paper in a cool, dry place. Avoid areas where they would be exposed to direct sunlight, high temperature, high humidity, dust or gas.
- A contact of chemical or oil may discolor or erase the printed record.
- Rubbing the paper hard with nail or hard object may discolor the paper.
- The paper end should not be pasted to the core.

For further information, please contact to authorized paper manufacturer.

8 APPEARANCE

8.1 Front/Rear View



- Top Cover — Open this cover to load paper
- Cover Open Lever — Lift this lever to open top cover
- Paper Feed Button — Press this button to feed paper or press with Cover TOP closed to change printer settings
- Printer Status LED — Indicates status and error of printer (Red, Green and Amber)

8.2 Receipt LED and Feed Button

POWER LED (Amber/Green)

Amber light when the power supply is turn on. Green light when the print is ready to print.

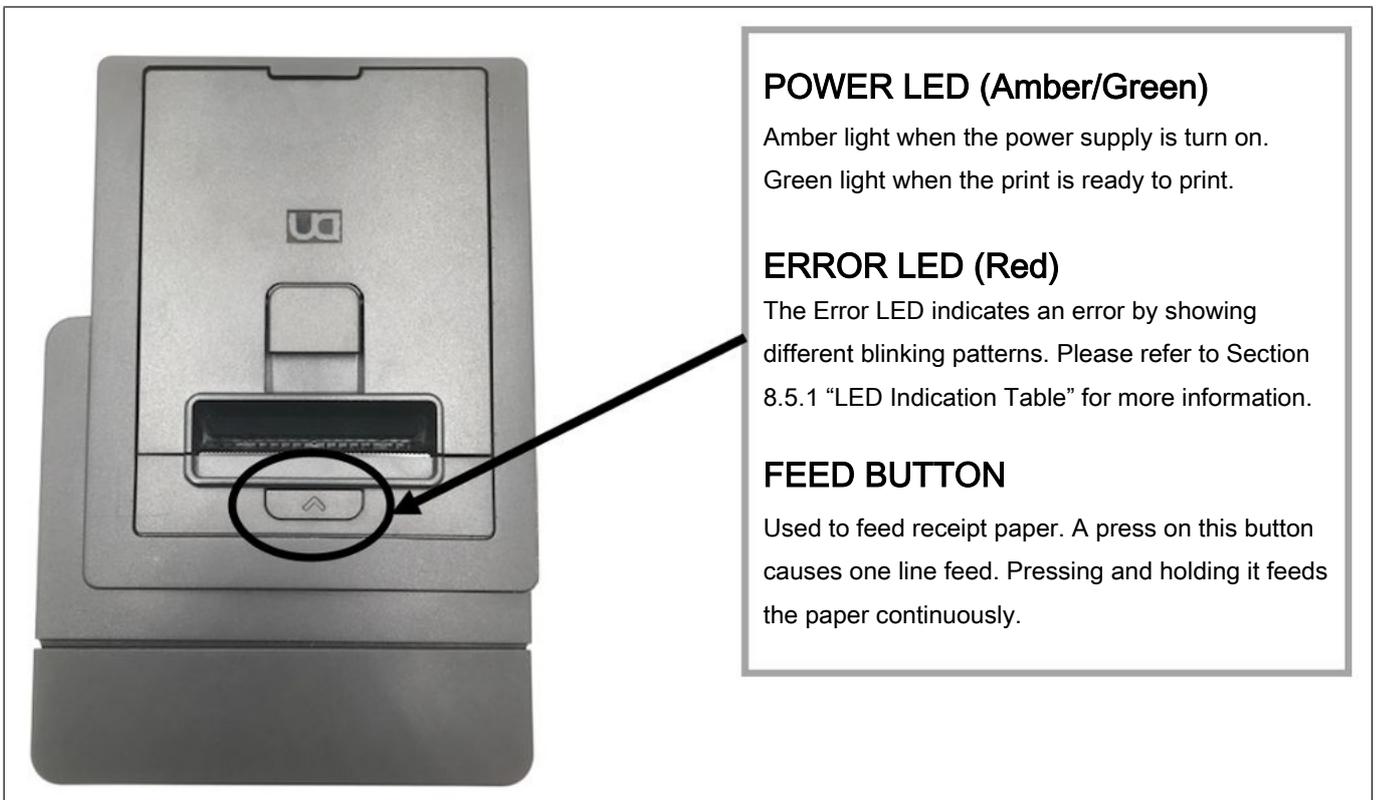
ERROR LED (Red)

The Error LED indicates an error by showing different blinking patterns. Please refer to "LED Indication Table" in appendix for more information.

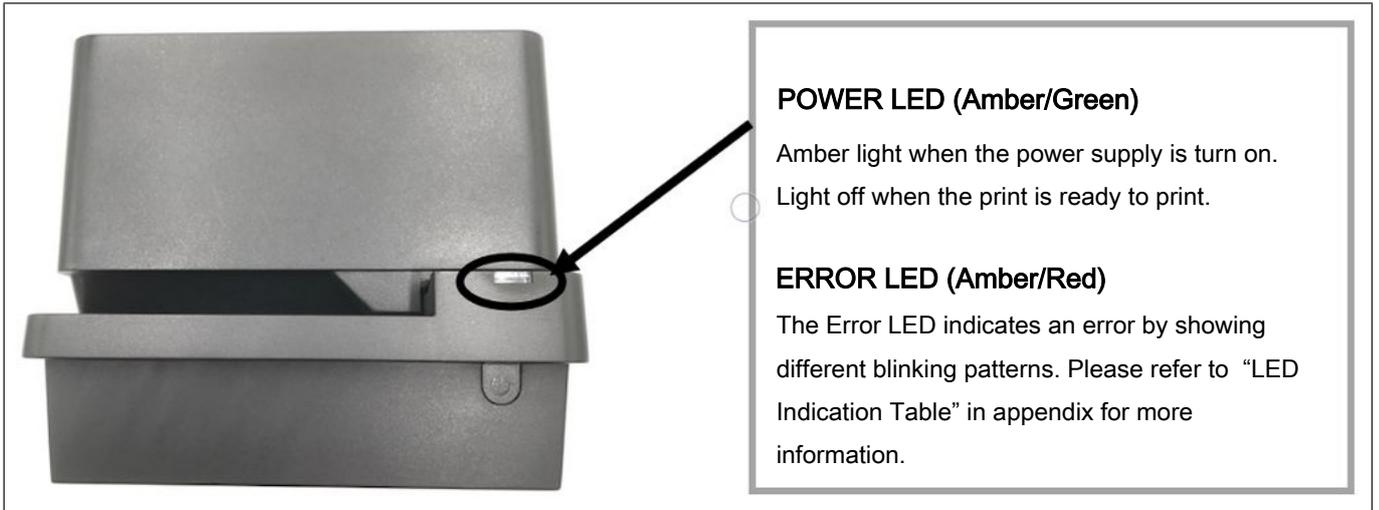
FEED BUTTON

Used to feed receipt paper. A press on this button causes one line feed. While pressing and holding, it feeds the paper continuously. While the printer cover is opened, press and hold the feed button until the printer first beeps. Close the cover and the printer will enter offline diagnostic mode.

Please refer to ([Section 14.2](#)) for more information.



8.3 Slip Table LED

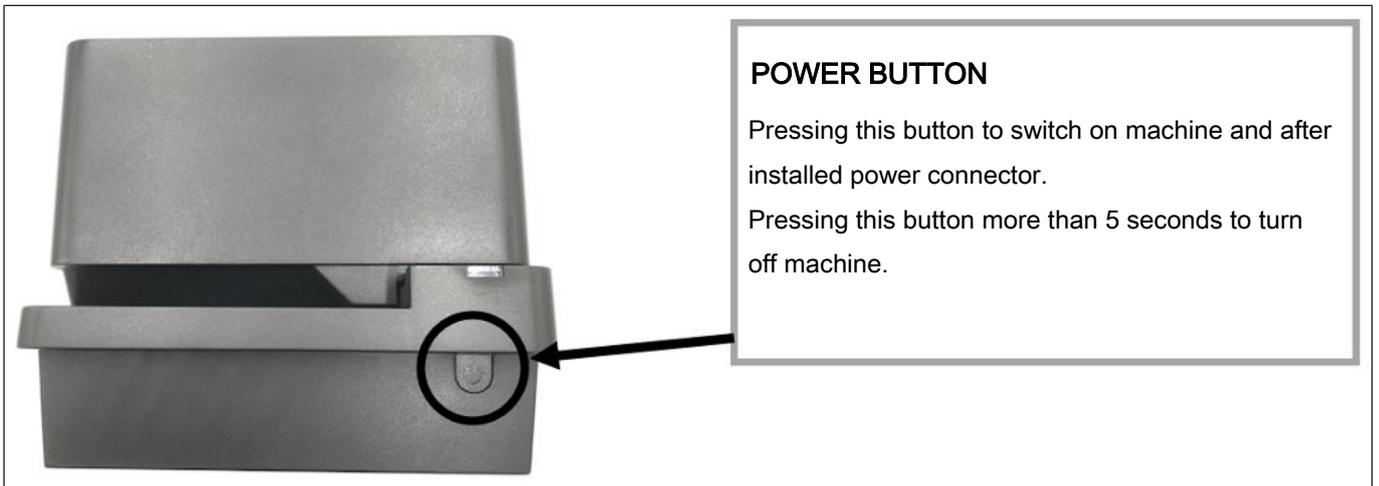


8.4 Power Button

POWER BUTTON

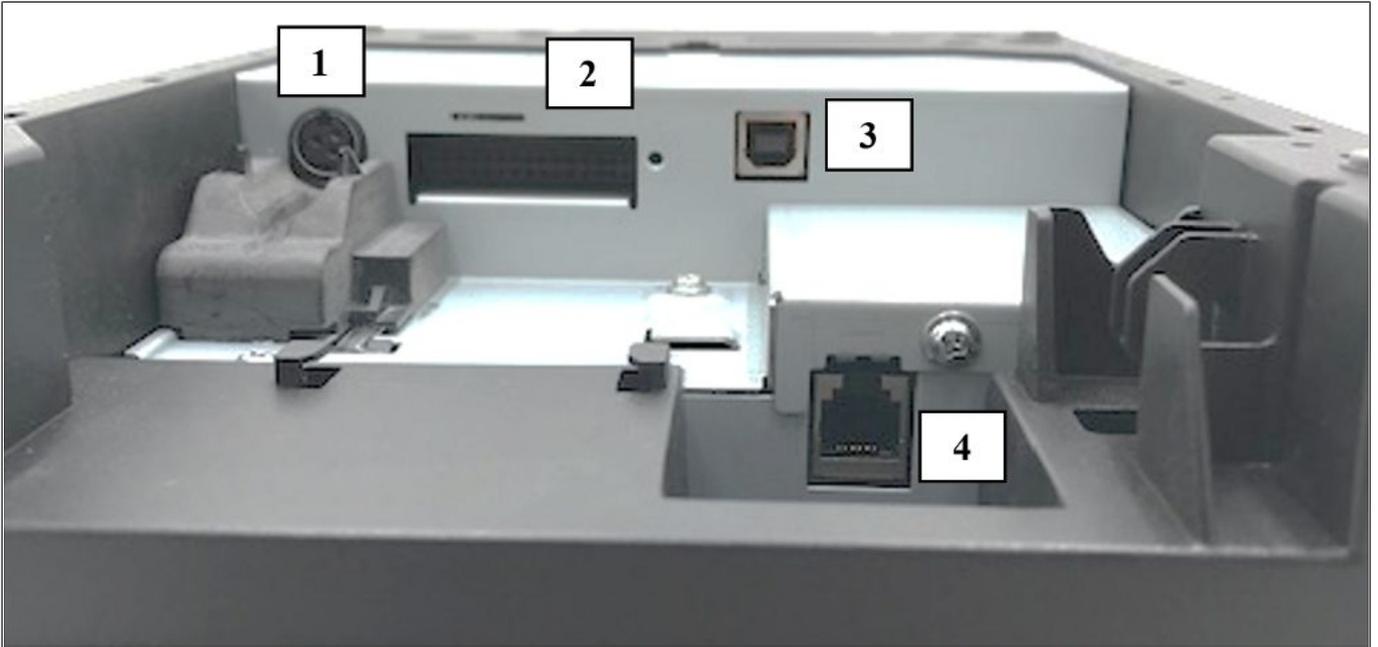
Pressing this button to switch on machine and after installed power connector.

Pressing this button more than 5 seconds to turn off machine.



8.5 Connectors

	⚠ CAUTION
<p>The drawer interface connector is exclusively for connecting the drawer. Do not connect a phone line or any other cables than the drawer cable to this connector. Doing so may cause a failure of the phone line and this printer.</p>	



1. [DC24V] (Power connector)

The external power adapter supplies +24V power to the printer through this connector. For further information refer to ([Section 8.5.1.3](#)).

2. [Serial Interface Connector] (Option)

A connector, which needs an interface cable connecting the printer to a POS terminal. A RS232 interface cable (Serial I/F model is needed for this connector. For further information refer to ([Section 8.5.1.1](#)).

3. [USB Type-B interface connector]

A connector, which needs an interface cable connecting the printer to a POS terminal. An USB I/F (V2.0 Full Speed) is need for this connector. For further information refer to ([Section 8.5.1.2](#)).

4. [Drawer interface connector] (6 pin modular connector)

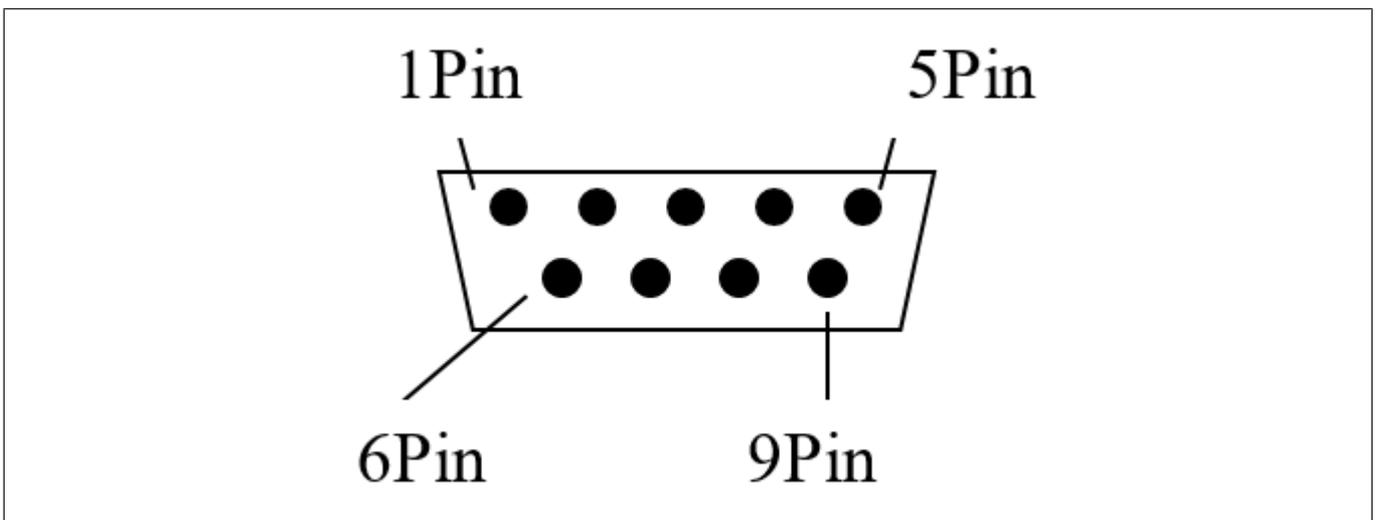
A drawer cable, which connects the printer to a drawer, is connected to this connector. Do not connect anything other than the connectable drawer. For further information refer to ([Section 8.5.1.4](#)).

8.5.1 Specification of Interface & Power Connector

8.5.1.1 RS232 Interface

RS232C option I/F is transmitted through the full duplex serial port. The specification is as follows.

- 1) Baud Rate : 115200, 57600, 38400, 19200, 9600 bps
- 2) Data transfer protocol : DTR/DSR or XON/XOFF
- 3) Parity Bits : Non-parity, Even parity or Odd parity
- 4) Data Length : 7 bits or 8 bits
- 5) Stop Bits : 1 bit or 2 bits
- 6) Connector Pin Assignment



Serial I/F connector is 9pin D-SUB Male type connector with the following pin assignments:

Pin Number	Pin Function
1	Not Used
2	RXD
3	TXD
4	DTR
5	Logic GND
6	DSR
7	RTS
8	CTS
9	Not Used

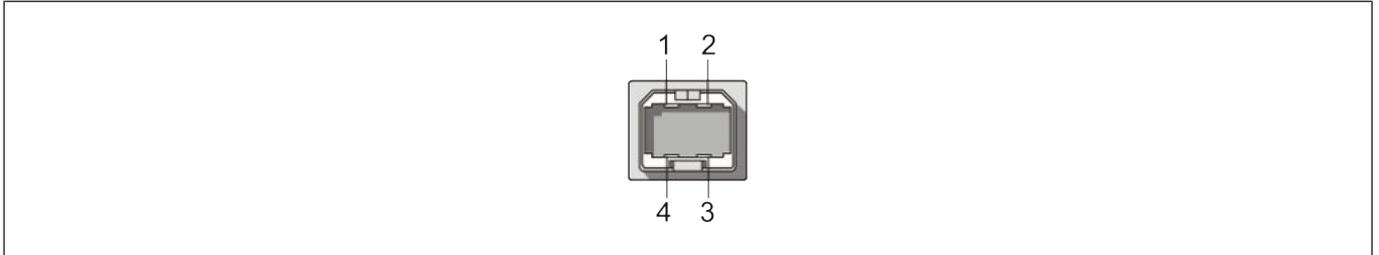
8.5.1.2 USB Interface

USB I/F is mounted on main card as default.

1. USB Version: Version 2.0 High speed
2. Connector Pin Assignment

The USB I/F connector is “B” Plug type for Device function. And “A” Plug type for Host function.

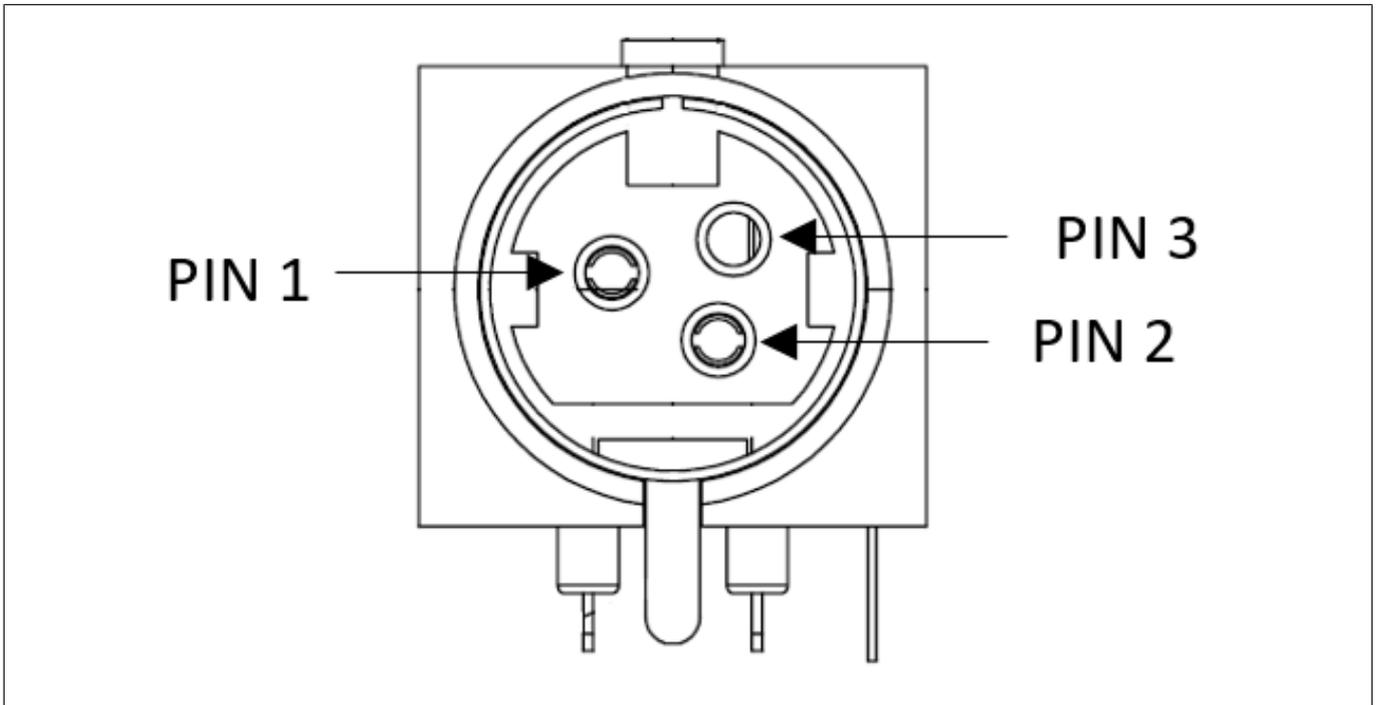
Type B connector



1	VBUS	2	D
3	D+	4	GND

8.5.1.3 Power Cable Connector

The control cards received 24VDC +/-10% power via a 3 pin Mini-DIN plug, which mates with an integral shielded cable from power supply unit.



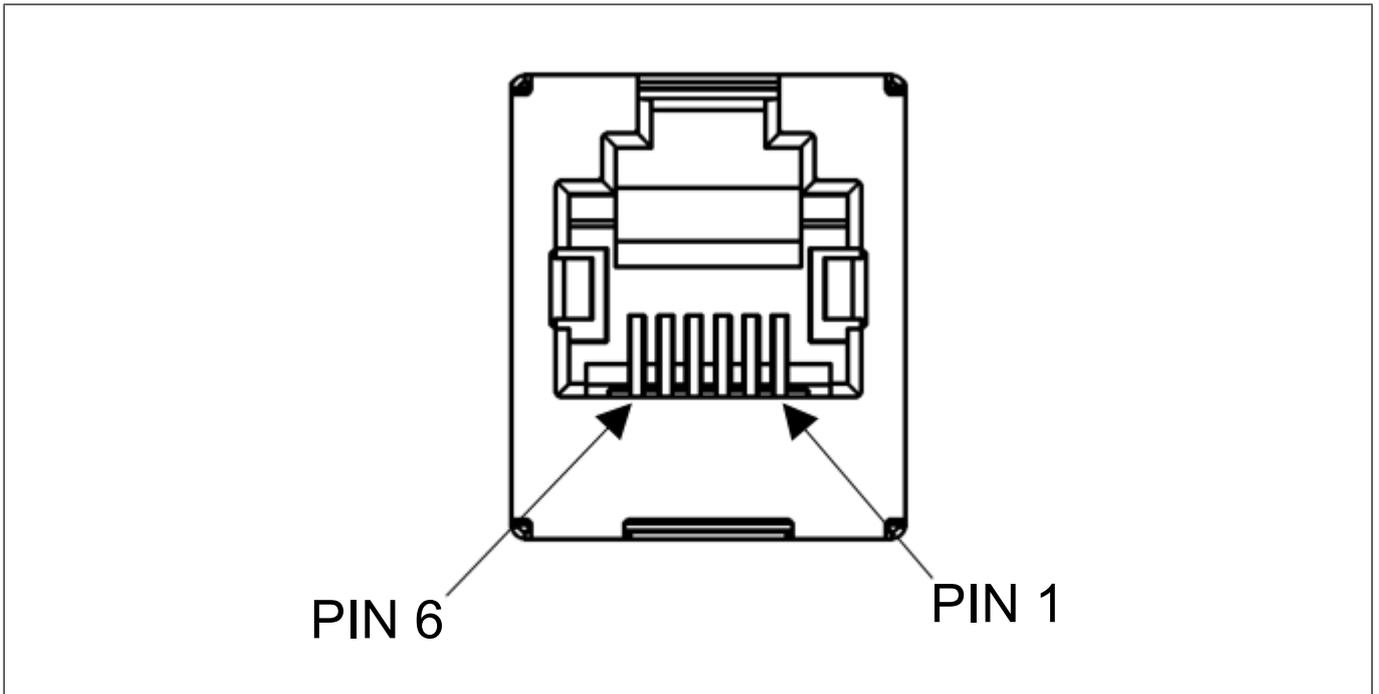
The power connector is WIESON GA1009-3AT1N1 (Or equivalent) with the following pin out:

Pin Number	Pin Function
1	+24VDC
2	Power Ground
3	PID
Shell	Frame Ground

Power ID pin (3) is used to detect the resistance from power source and set the power mode automatically.

Resistance Value on Power ID Pin	Power
1250 ~ 2125	48 W
2126 ~ 2625	55W
2626 ~ 3415	75 W
3416 ~ 4165	90 W
4166 ~ 8333	110 W
<1250 or >8333	75 W

8.5.1.4 Cash Drawer Connector and Pin Assignments



The Cash drawer connector is 6pin RJ12 Shielded type connector with the following pin assignments:

Pin Number	Pin Function
1	Frame GND
2	Drawer 1 Solenoid
3	Drawer 1 and 2 Status Switch
4	+24 Volts (to Solenoid)
5	Drawer 2 Solenoid
6	GND

9 SET UP PROCEDURE

9.1 Requirements for Operation

This printer needs the following requirements for communication and power:

Serial Interface Type

The POS terminal to be connected must have a Serial port.

To communicate with the POS terminal, an RS232 interface cable is required. For further information refer to ([Section 8.5.1.1](#)).

USB Interface Type

The POS terminal to be connected must have an USB port.

To communicate with the POS terminal, a USB cable is required. For further information refer to ([Section 8.5.1.2](#)).

Power Supply

To supply power to printer with power adapter (Option), or use Y cable (Option) to supply power from POS terminal to printer through power connector or USB connector, refer to ([Section 8.5.1.3](#)).

*To prevent the emission and receipt of electrical noise, the interface cable must meet the following requirements:

Fully shielded and fitted with metal or metalized connector housings.

Kept as short as possible.

Should not be tightly bundled with the power cord.

Should not be tied to power line conduits.

Power Mode

The printer supports 5 power modes as below:

Resistance Value on Power ID Pin	Power
1250 ~ 2125	48W
2126 ~ 2625	55W
2626 ~ 3415	75W
3416 ~ 4165	90W
4166 ~ 8333	110W
<1250 or >8333	75W

The mode should be adjusted accordingly basing on the source of power. Refer to ([Section 11.2.2](#)) for more information.

Power Saving

The printer is compliance to the Energy Star Requirements as defined by the “ENERGY STAR® Product Specification for Imaging Equipment, Version 3.0” although has no certification been acquired. Refer to “Turning off the printer” for more information.

9.2 Setting up the Printer

 CAUTION	
	<ol style="list-style-type: none">1. Place the printer on a flat, stable surface.2. Do not place the printer close to a heater or where it may be exposed to direct sunlight.3. Avoid locations where the printer may be exposed to high temperature, high humidity or dust.4. Care must be taken that no condensation occurs in the printer. If it should, however, do not turn ON the power supply until the condensation is dried.5. Use a grounded electrical outlet. Do not use an adapter plug.6. Be sure that there is adequate room around the printer for easy operation and maintenance.7. Keep your work environment static free.

- 1) Make sure that the printer does not connect to power supply.
- 2) Connect the adapter cable to the printer.
- 3) Insert the power cord into the AC inlet.
- 4) Connect the interface cable to a POS terminal, and plug in the power cord to the AC outlet.
- 5) If a drawer is desired to be connected, connect the drawer interface cable to the printer.
- 6) Secure the drawer ground wire to the ground terminal on the rear of the printer.
- 7) Turn the printer power ON by switching on the power supply.
- 8) Open the printer cover.
- 9) Load the receipt roll into the printer.
- 10) Close the printer cover.
- 11) Check the print quality by performing an Offline Diagnostic.
- 12) Install the printer driver given into POS terminal.
- 13) Connect the interface cable to the printer and the POS terminal.

Now the printer is ready for printing.

NOTES:

1. For details of the above steps 1) to 4), refer to (Connecting the Power Cord and Interface Cable).
2. Steps 5) and 6) are the procedures of the drawer connection. For details of Steps 5) and 6), refer to ([Section 10.6](#)).
3. For details of steps 8) to 10), refer to ([Section 10.8](#)).
4. For details of step 11), refer to (DIAGNOSTICS).

9.3 Turning off the Printer

- 1) Press and hold the feed button for 5 seconds until double 'beep' sound.
- 2) LED light will turn off indicates the printer is turned off.
- 3) To turn the printer back on, press the feed button again and the LED will light up.

10 INSTALLATION PROCEDURE

 WARNING	
	<p>Since the power cord and the interface cable are not provided with this unit, please locally purchase ones that meet the specifications. For detail specifications, please contact the nearest authorized seller representative.</p> <p>Before connecting the power cord and cables to the printer, please turn off the power supply of the POS terminal and the printer.</p> <p>Do not pull the power cord hard. Doing this may damage the power cord, causing fire, electric shock, or broken wire.</p> <p>When it thunders, unplug the power cord. Lightning stroke may cause fire or electric shock.</p> <p>Keep the power cord away from a heater. The cover of the power cord may be melted, causing fire or electric shock.</p> <p>Do not connect the power cord to the AC outlet provided on the POS terminal.</p>

 CAUTION	
	<p>The recommended power adapter is exclusively for this printer. Do not use it for any other machines.</p> <p>The power adapter can be used indoors only. Never use it outdoors.</p> <p>Be sure to unplug the printer when it is not used for a long time.</p> <p>Do not share the power source with other electric appliances which generate noise.</p>

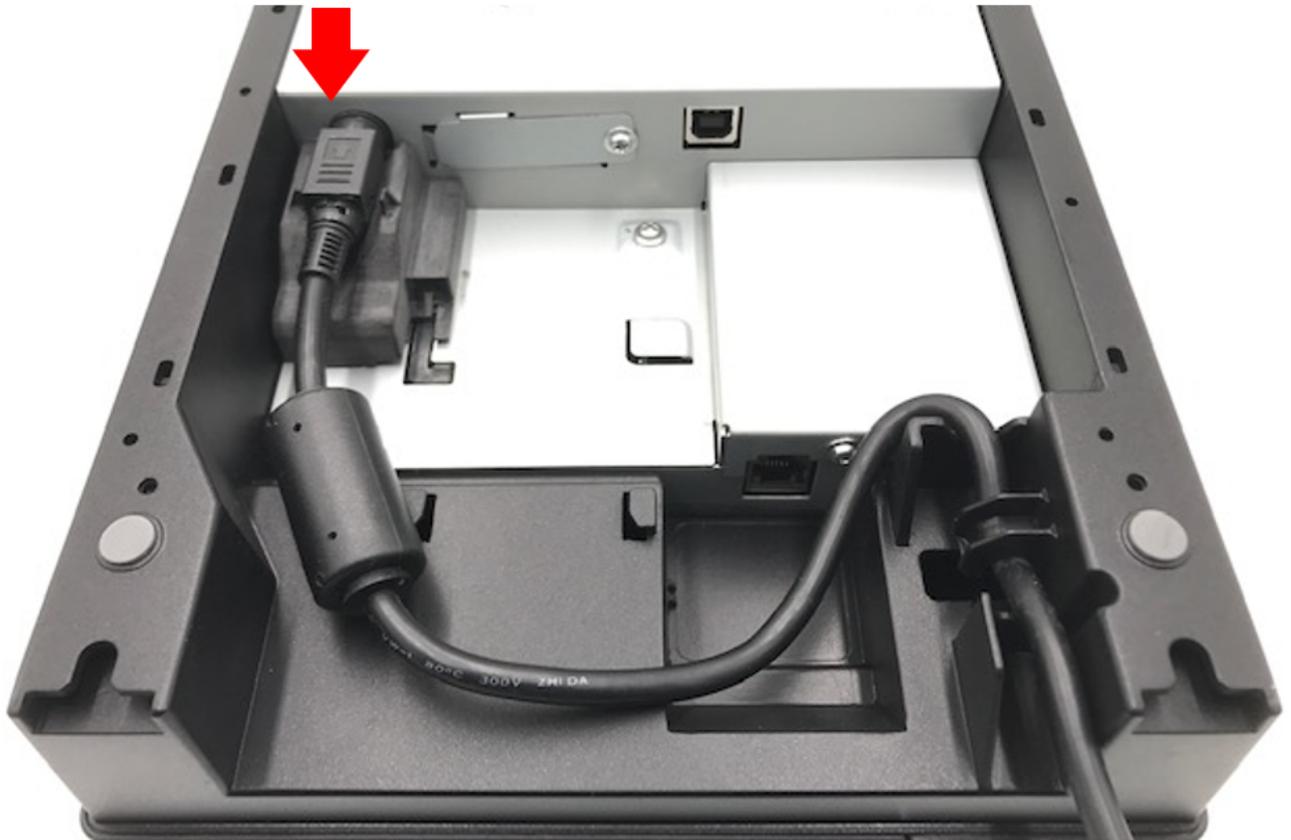
10.1 Connecting the Power Cord and Interface Cable

 NOTE	
	<p>Be sure to hold the connector when plugging in or unplugging the power adapter cable. Insert the power adapter cable and the power cord firmly.</p>

Please refer to appendix for P1300 Cable list.

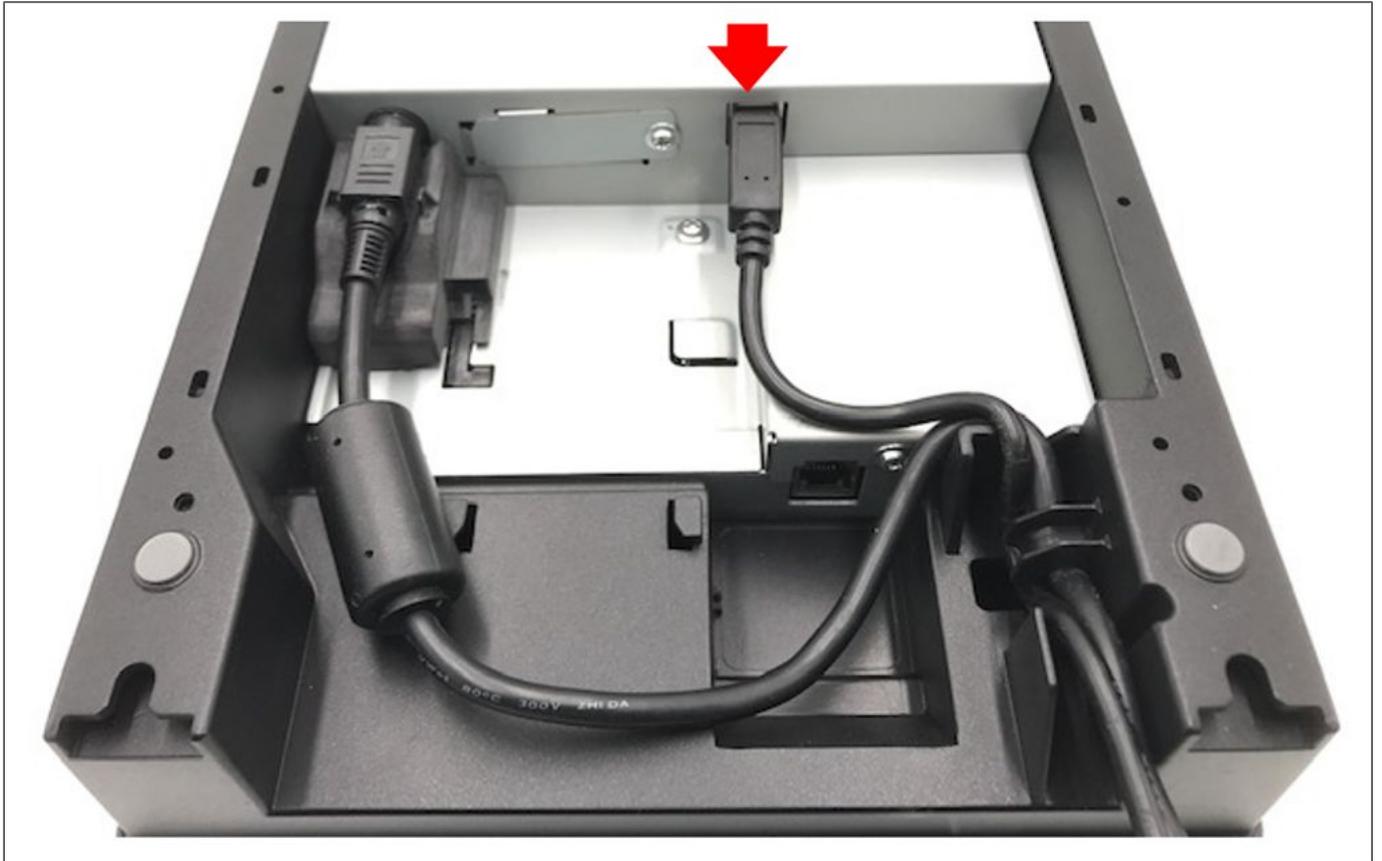
10.2 Connect to Power Adapter

Insert the power cable into the power connector.



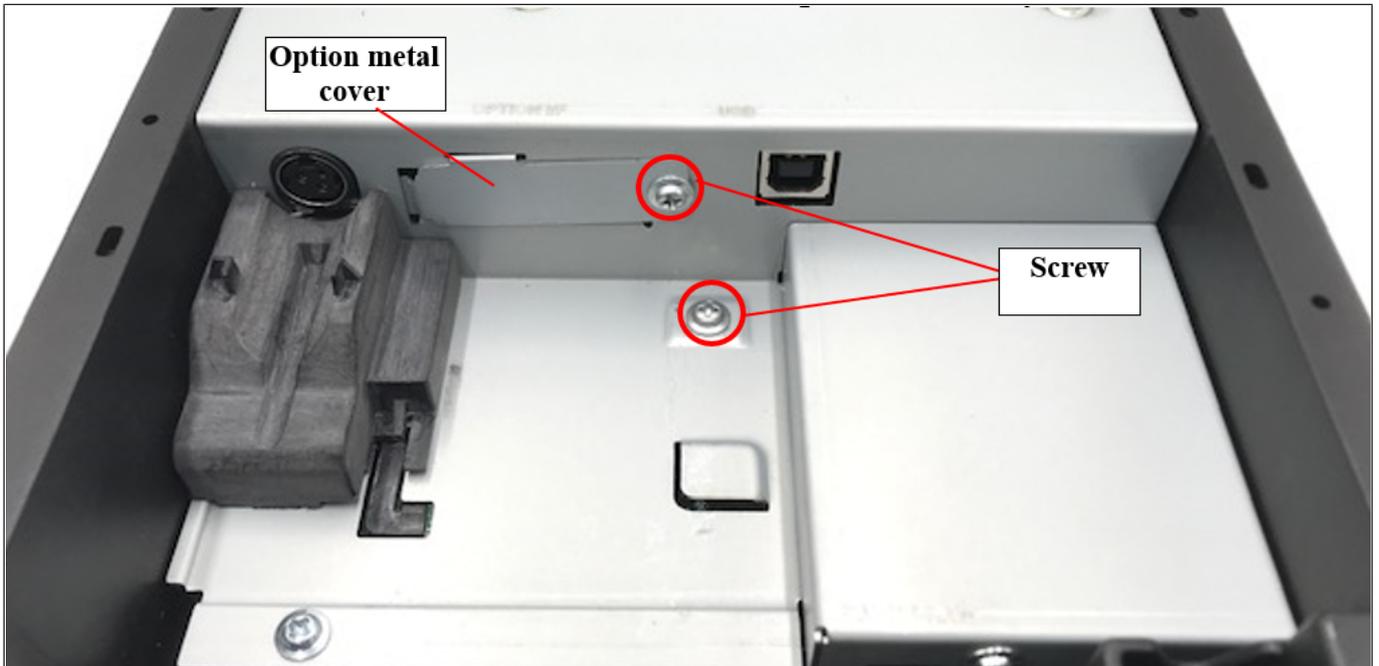
10.3 Connect via standard USB Type-B Cable

Connect USB Type-B is to link the printer to the POS Terminal.

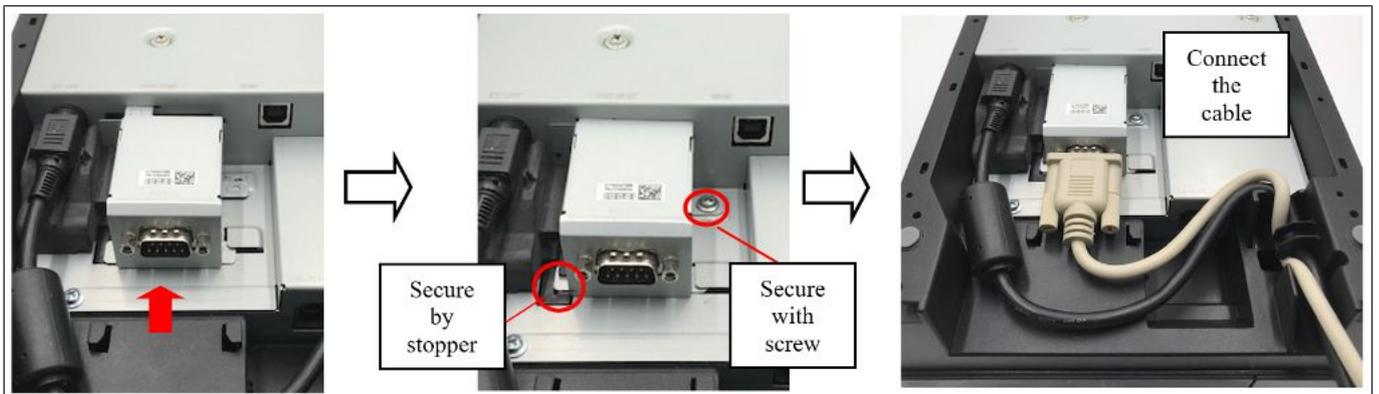


10.4 Connect via Option Card (RS232)

Remove the screw to detach the option metal cover in order to install the option cards. Remove the other screw also as this will be used to secure the option assembly.

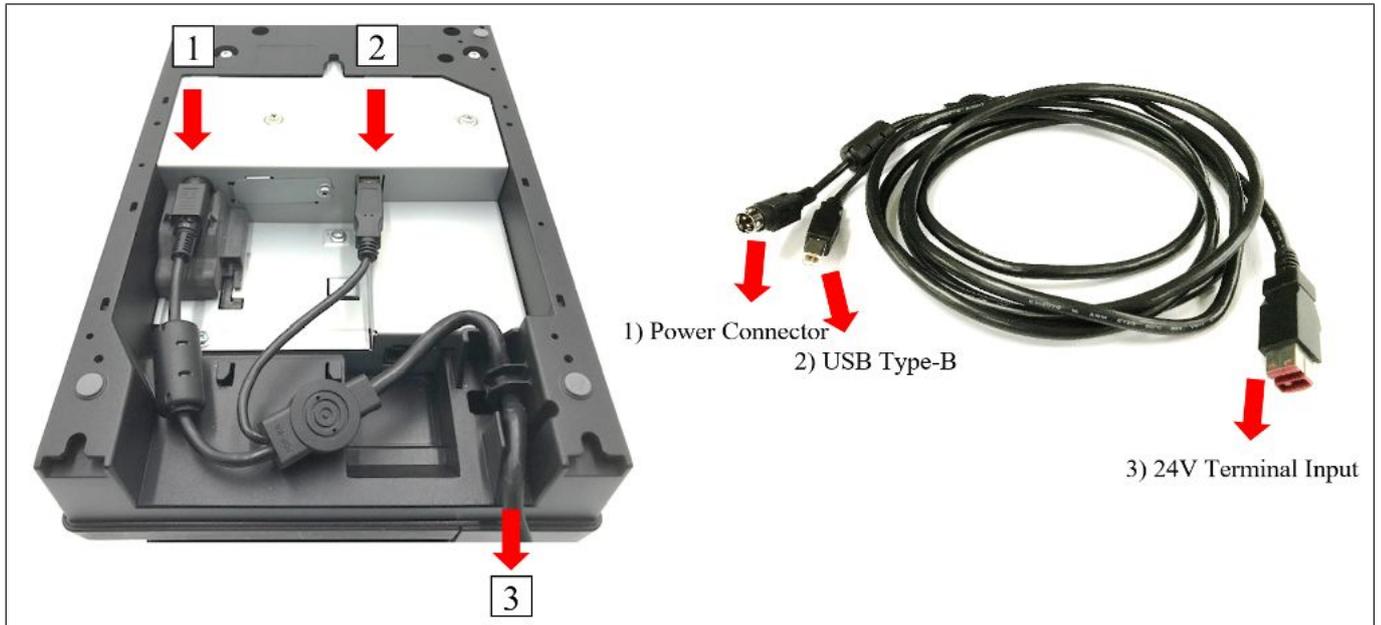


Serial Interface (RS232) Option:



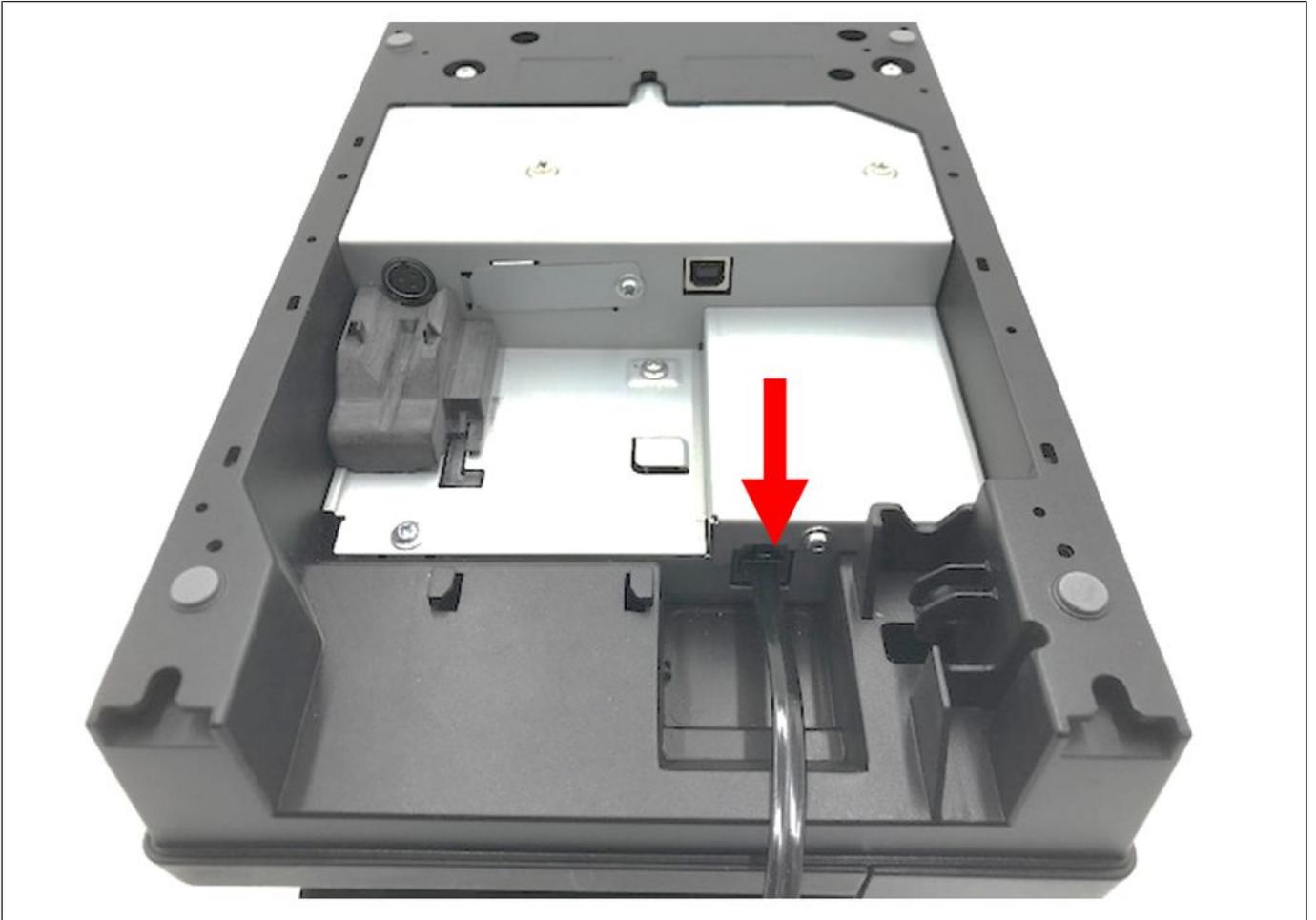
10.5 Connect via Y-Cable

Y-cable is an option to connect power connector and USB Type-B connector to POS terminal.



10.6 Connecting via Cash Drawer

1. Make sure that the printer does not connect to any power supply.
2. Connect the drawer cable to the drawer interface connector in the correct orientation.

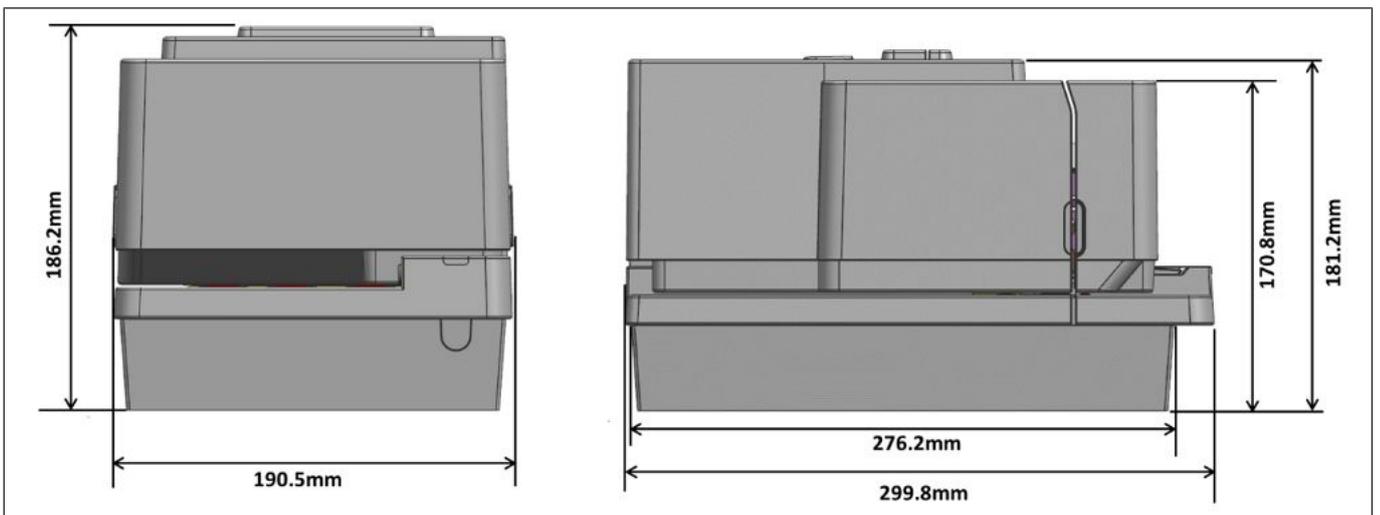


[Drawer interface connector] (6-pin modular connector)

A Drawer cable which connects the printer to a drawer is connected to this connector. To this connector, a DIEBOLD NIXDORF drawer can be connected. Further information please refer to “Cash Drawer Connector and Pin Assignments”.

10.7 Choosing a Location

The Hybrid POS printer takes up relatively little counter space and may be set on or near the POS terminal. Make sure that there is enough room to open the receipt cover for changing the paper roll or to open the slip front cover to change the ribbon cassette. The following illustration shows the actual dimensions of the printer, but leave several inches around the printer for connecting and accessing the cables.

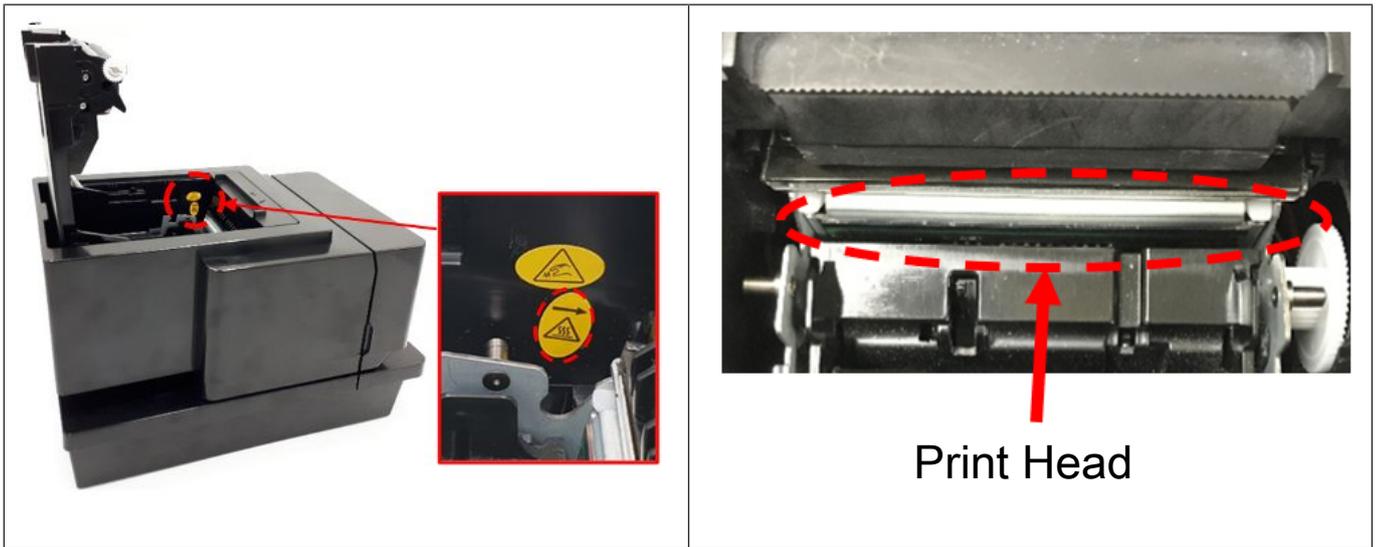


Weight: 4.2 kg (including paper roll, ribbon and option)

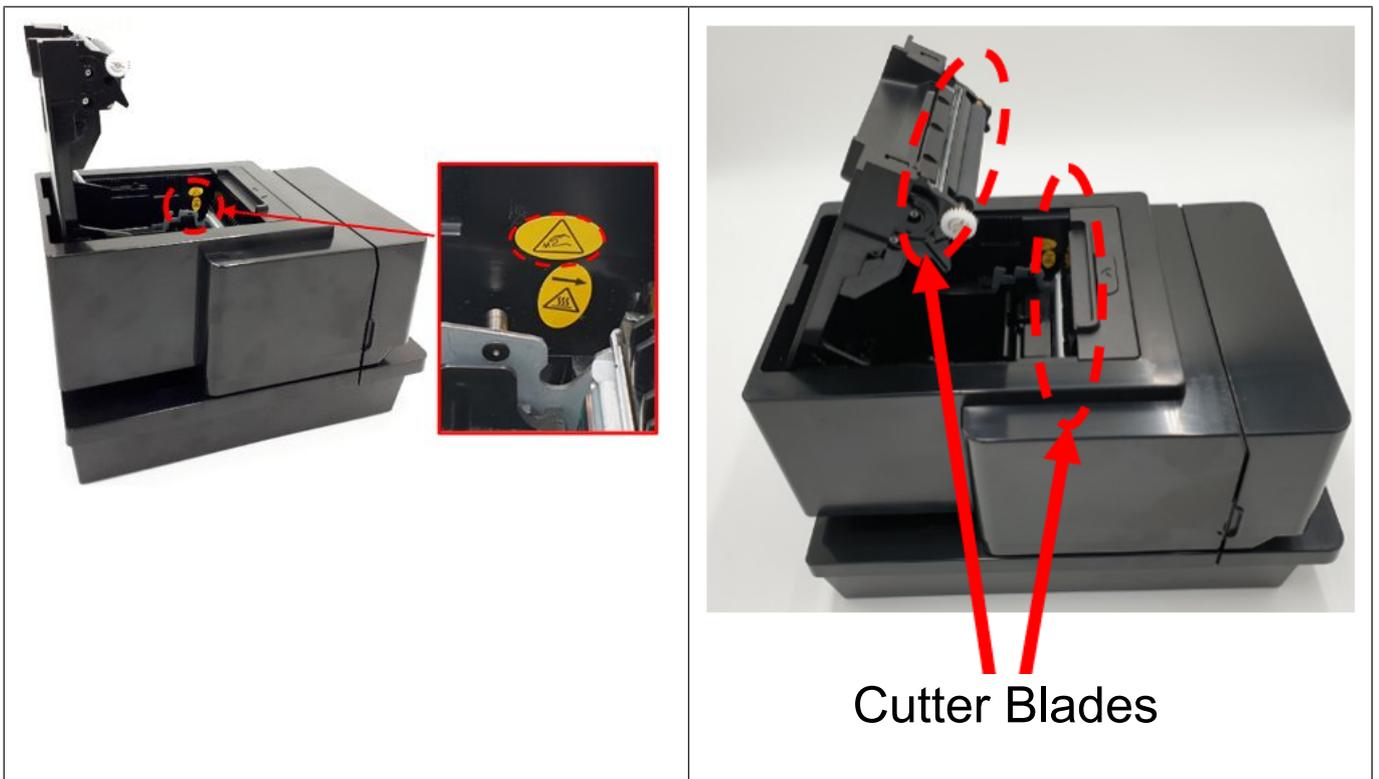
10.8 Loading the Receipt Roll

During first paper loading or when the receipt paper has been used up, load a paper roll according to the procedures while the printer is idle.

⚠ CAUTION! The print head becomes very hot while printing. Never touch the print head to avoid getting burned. Standard operating temperature of printer is 5°C to 50°C. Please do not operate out of range for safe operation.



⚠ CAUTION! Hazardous moving cutter. Keep fingers and other body parts away.



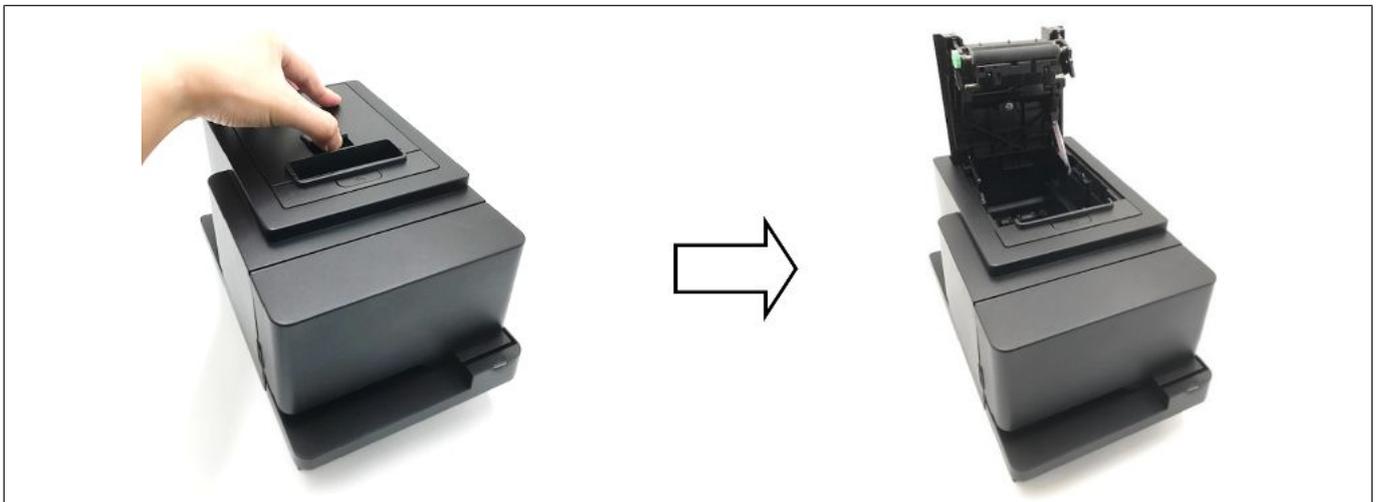


NOTE

1. Use only specified paper. **Use of non-specified paper may shorten the print head life resulting in problems with print quality, paper feed failure, or shorten the cutter life.**
2. Do not subject the thermal paper roll to water, oil, or heat source as this will darken the paper.
3. Load the paper roll in the correct orientation. Failure to do this may cause a paper jam error.
4. Care must be taken not to damage the print head and platen when the printer cover is opened as this may cause a poor print or a printer failure.
5. Do not open the printer cover while the printer is printing.
6. Do not hold the receipt while the printer is printing. Doing so may cause a paper jam.
7. When closing the printer cover, do not press it down too hard.
8. Do not put anything on the printer cover or push the cover too strongly. Doing so may cause a print failure.

Turn the printer power ON by connecting to power supply.

Pull up the cover open lever to open printer top cover.



Check for the correct orientation of the receipt roll, and load into the paper holder.

Pull the receipt until it extends past the paper outlet for about 5 cm.



Close the printer top cover gently and printer will automatically perform auto cut.



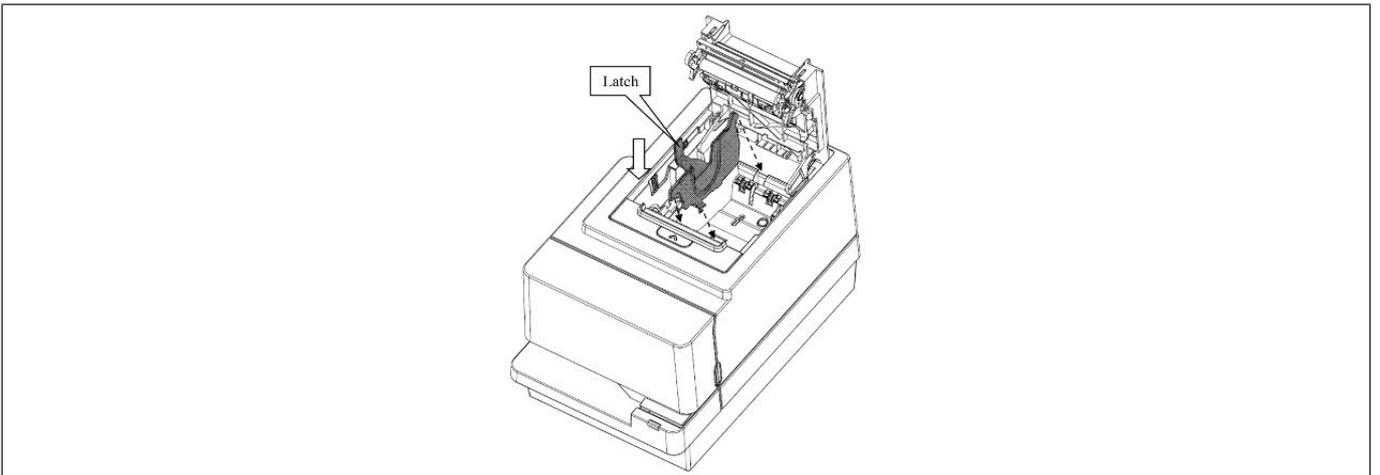
Installing 58 mm paper guide (optional part)

To enable 58 mm print width, refer to ([Section 11.1](#)), select “Paper Width” and select 58 mm.

Insert the 58 mm paper guide to the slots located inside the left side of the printer.

Place the 58 mm receipt roll inside and close the cover.

To remove the paper guide, simply press the latch to the right and pull it out.



11 DIAGNOSTICS

11.1 Offline Diagnostic

To configure the software or hardware, follow these steps:

1. Open the Top Cover/Printer Door, and then check if the printer has paper.
2. Insert a paper roll if no paper is found.
3. Power off the printer.
4. Power on the printer while pressing the Paper Feed button.
5. The printer beeps, prints the current configuration, and then waits for you to make a selection from the Main Menu on the printout.

(Alternate method enter offline mode is to press and hold the feed button until the printer first beeps while the printer cover is open. Close the cover and the printer enters offline diagnostic mode)

P1300 Printer

***** Service Menu *****

Exit/save → No Click

Print Self test → 1 Click

Diagnostic → 2 Click

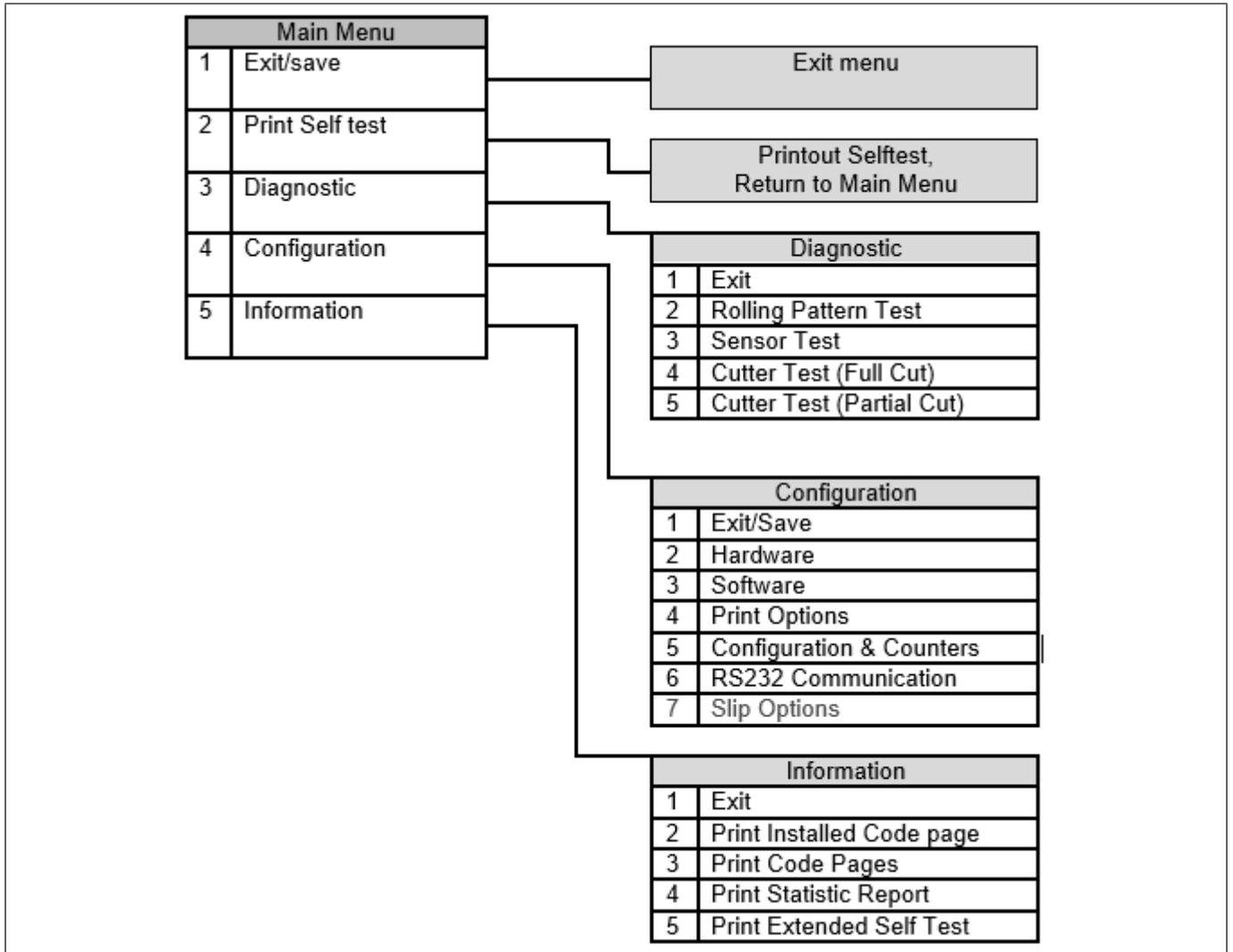
Configuration → 3 Click

Information → 4 Click

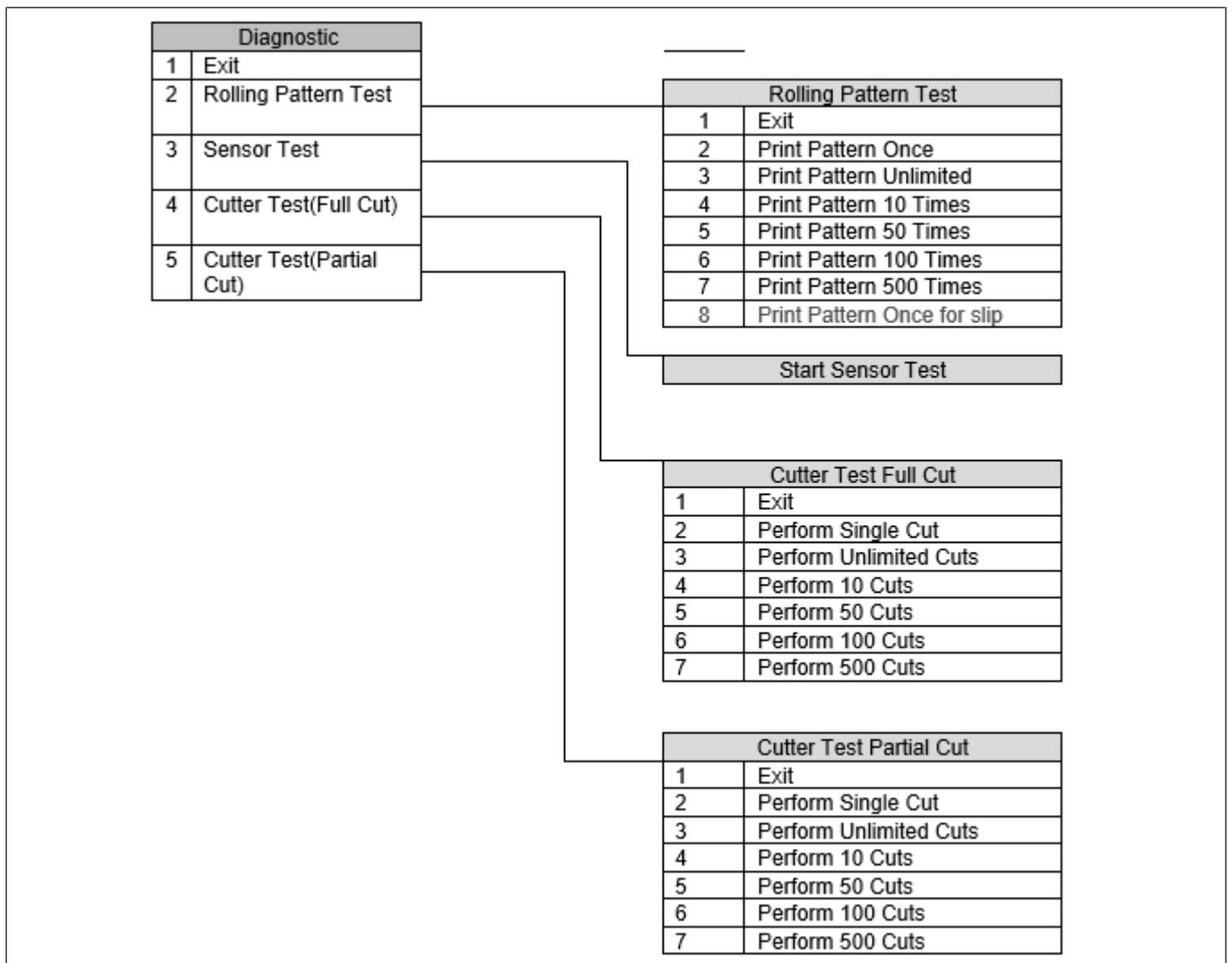
6. Press or click the Paper Feed button based on the number of clicks associated to your desired option as stated on the Main Menu, then hold the button down for at least one second to validate.

11.2 Service Menu Structure – Main Menu

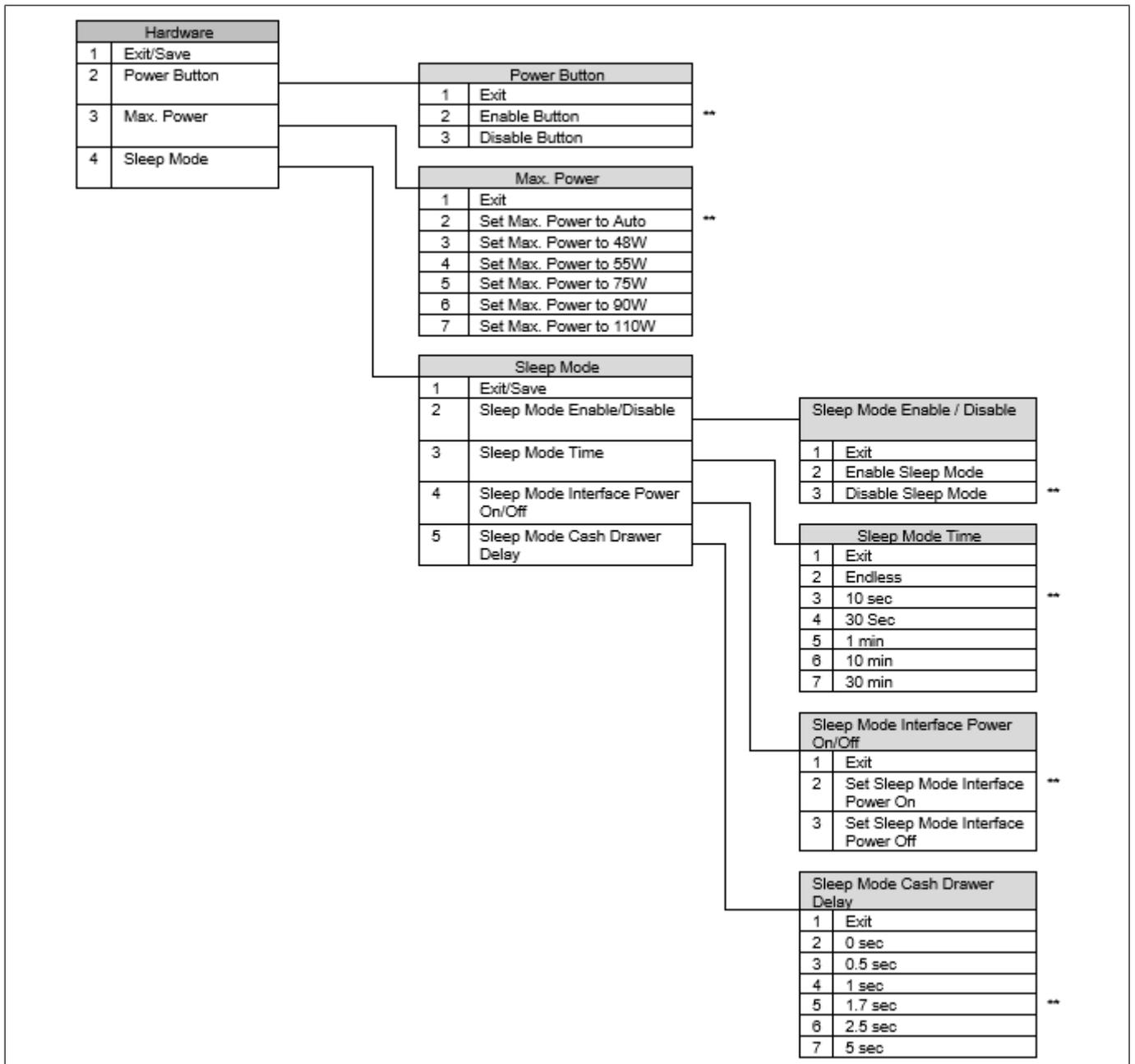
Once it enters offline diagnostic mode, it prints main menu as follow. ** represent default setting.



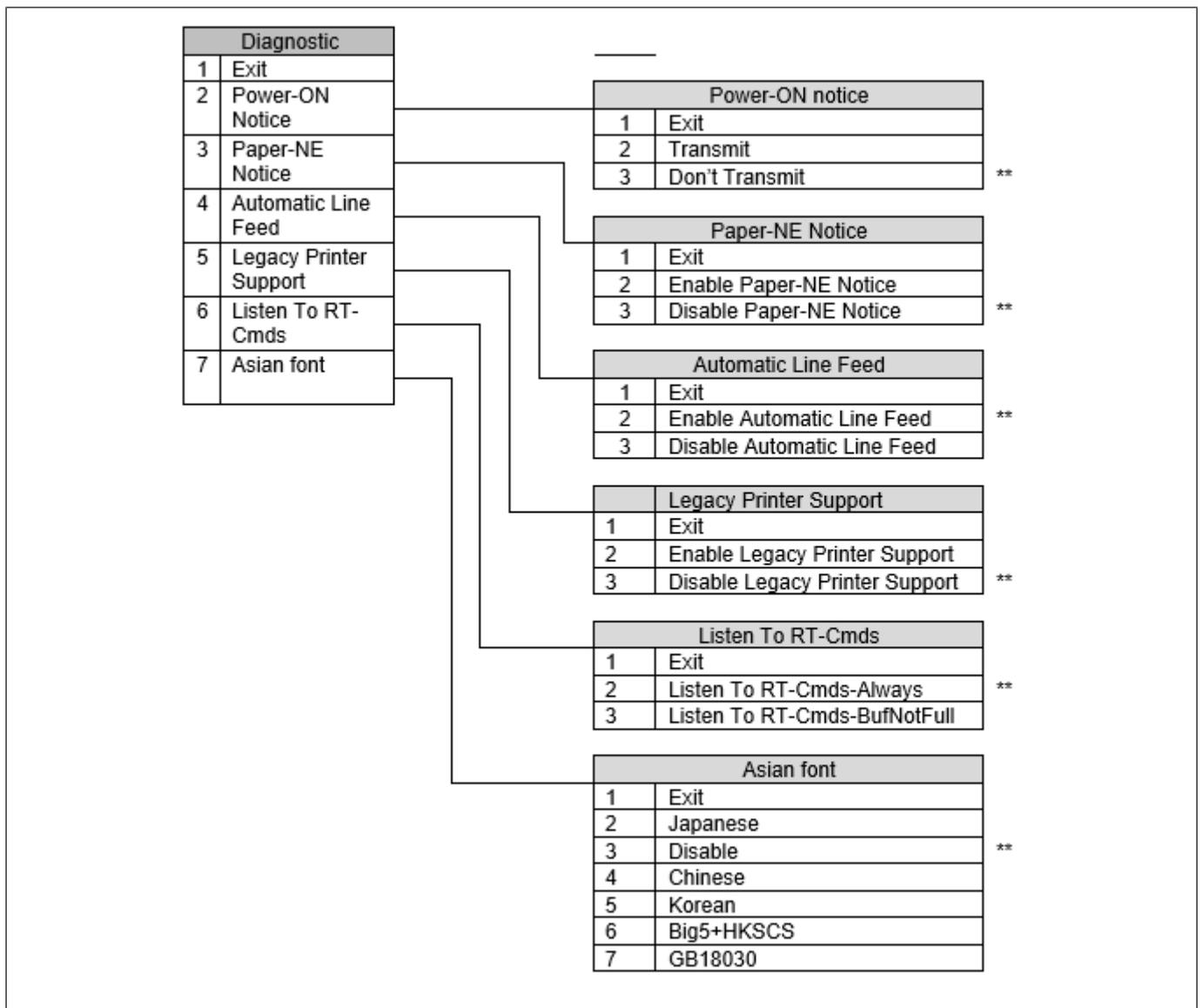
11.2.1 Main Menu / Diagnostic



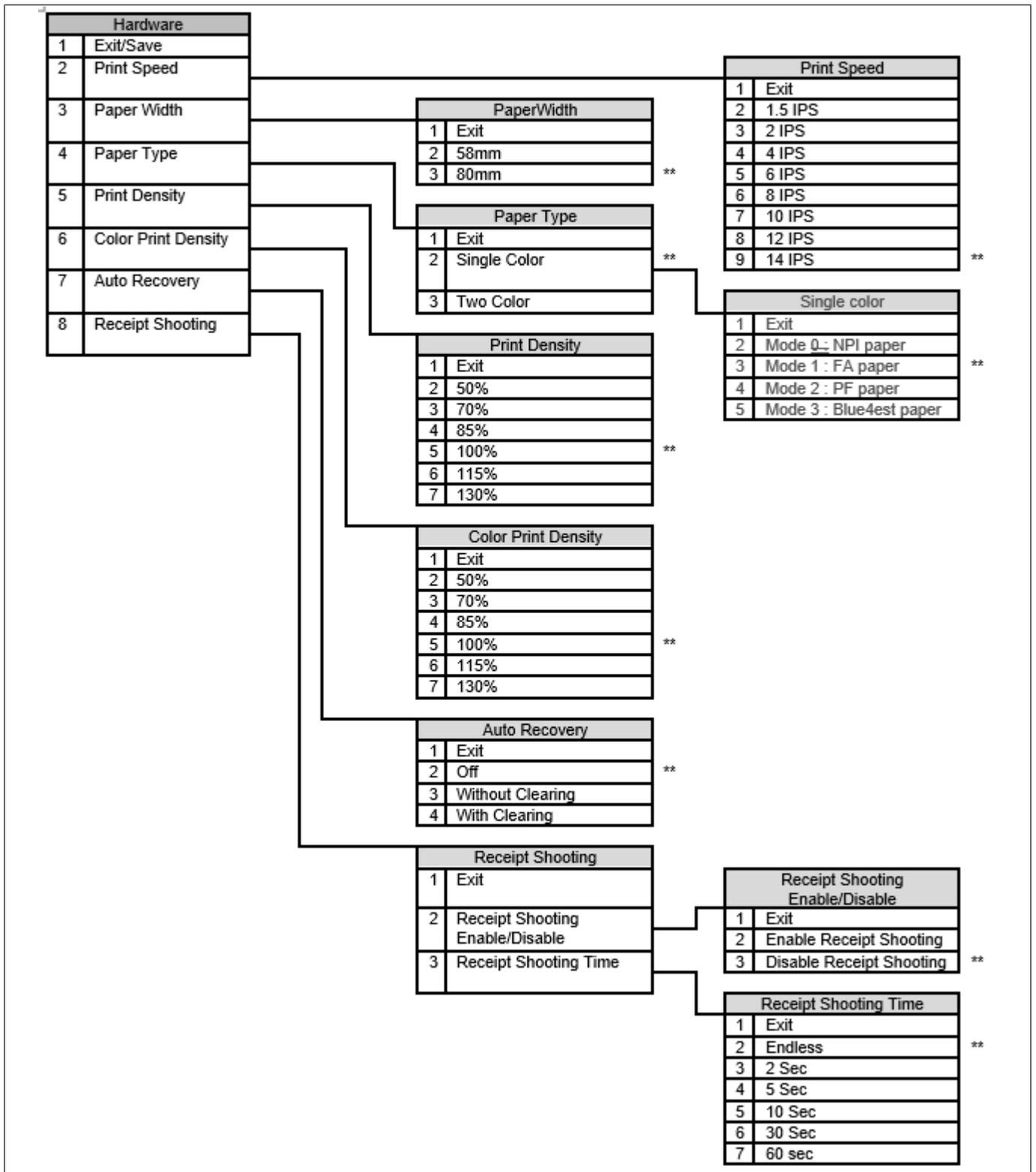
11.2.2 Main Menu / Configuration / Hardware



11.2.3 Main Menu / Configuration / Software



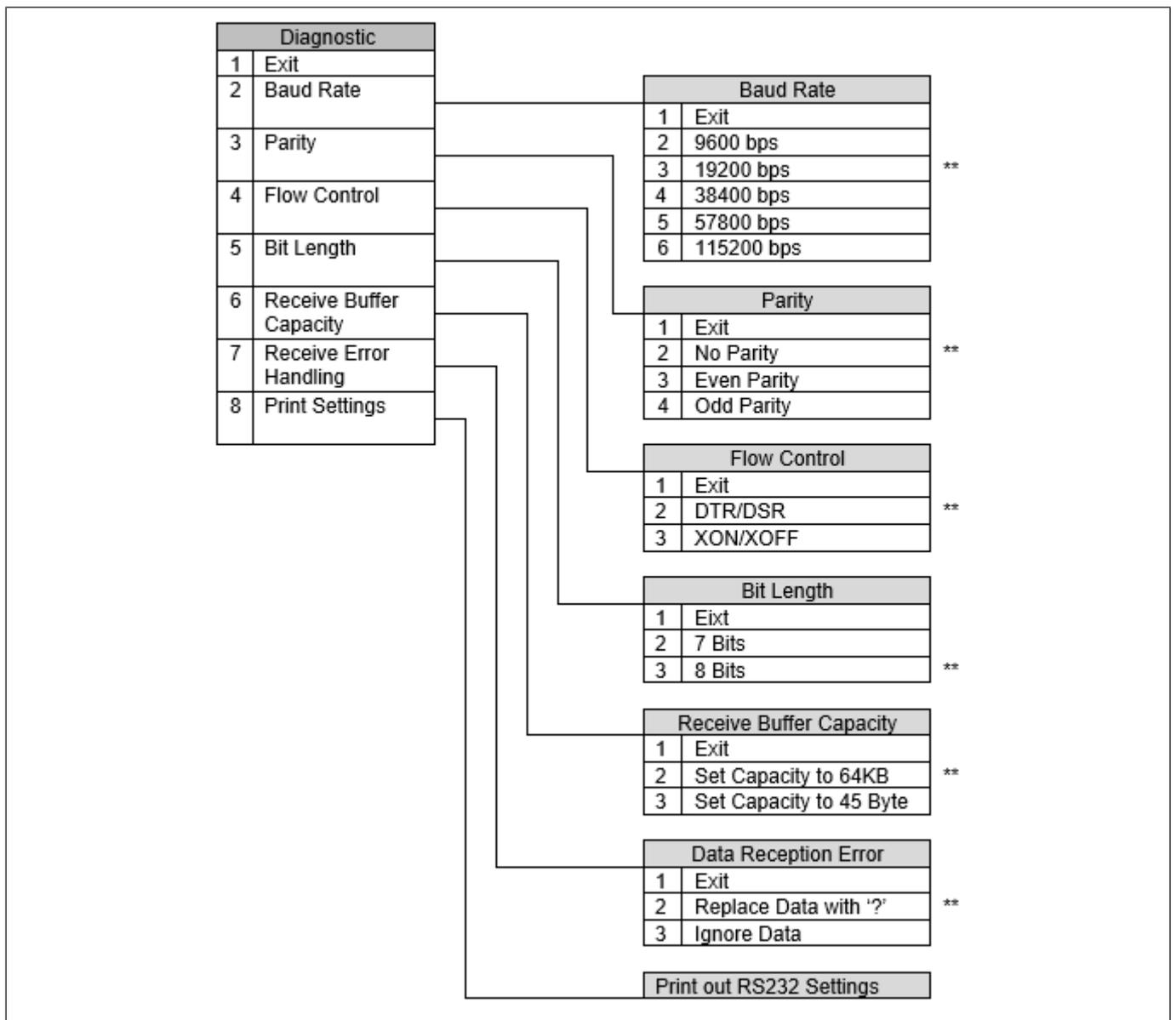
11.2.4 Main Menu / Configuration / Print Options



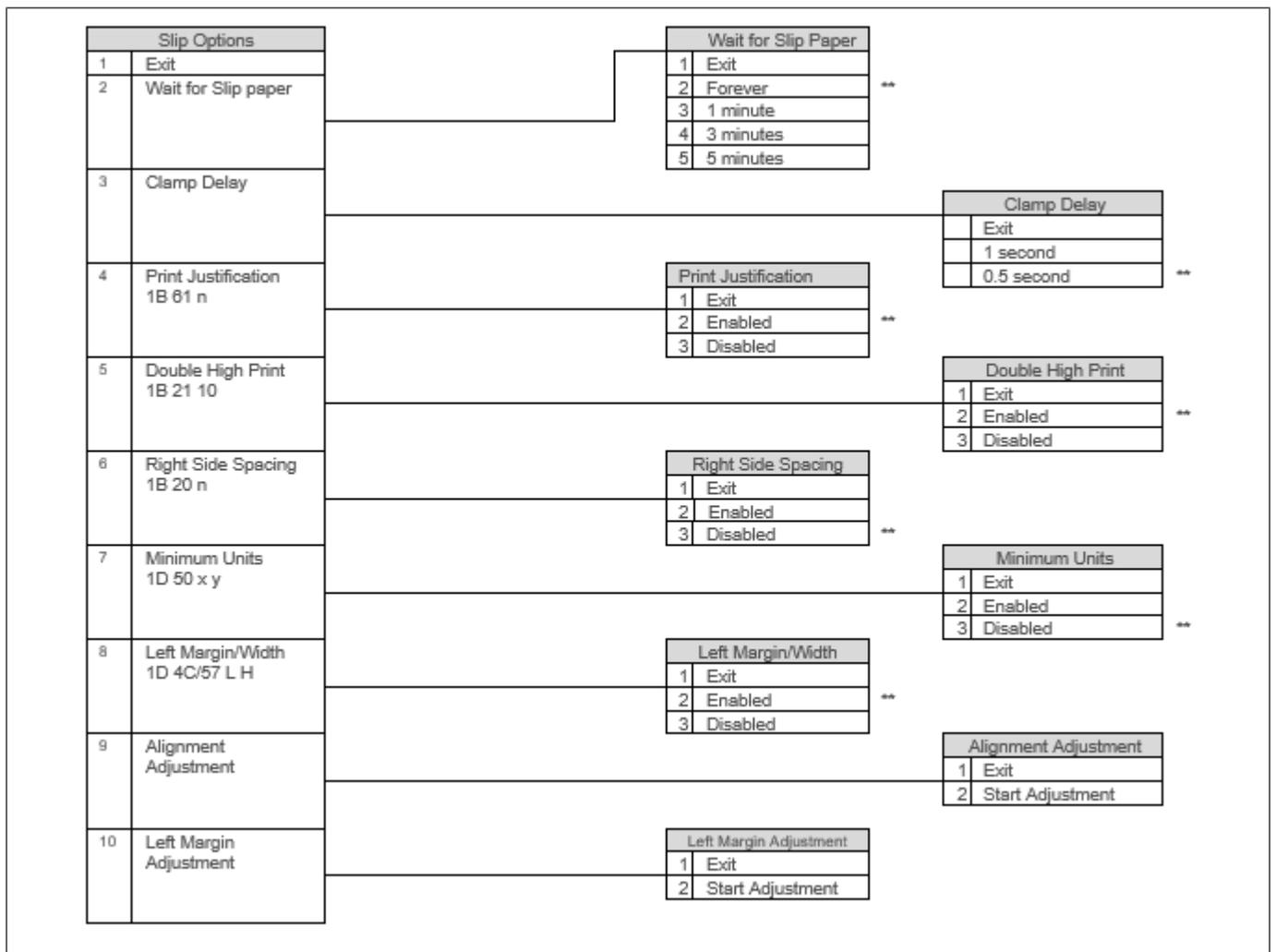
11.2.5 Main Menu / Configuration / Configuration & Counters

Configuration & Counters	
1	Exit
2	Set Configuration to Default

11.2.6 Main Menu / Configuration / RS232



11.2.7 Main Menu / Configuration / Slip Options



12 GENERAL MAINTENANCE

 WARNING	
	<p>Be sure to disconnect the power cord prior to performing any maintenance.</p> <p>DO NOT POUR WATER directly onto the printer, as this may cause electric shock or fire.</p> <p>The print head becomes very hot while printing. To avoid getting burned, never touch the print head during the maintenance.</p>

 CAUTION	
	<p>Do not use any sharp object to clean the print head and platen. Doing so may damage them, causing poor print or missing dots.</p> <p>Never use an organic solvent like thinners or benzene for cleaning. Using such solvents may discolor the covers.</p> <p>Do not touch the print head element as static built-up may damage the print head.</p>

To help retain the high quality and performance of your printer it should be cleaned regularly. The greater the usage on the printer, the more frequent the cleaning. (i.e. low usage=weekly, high usage=daily)

12.1 Cleaning the Covers

Wipe the covers with a soft dry cloth or soft cloth slightly moistened with mild detergent. After using detergent for cleaning, be sure to wipe it off with a slightly moistened cloth.

12.2 Cleaning the Thermal Print Head



NOTE

Do not spray or try to clean the thermal print head or the inside of the printer with any kind of cleaner as this may damage the thermal print head and electronics. If the thermal print head appears dirty, wipe it with cotton swabs and isopropyl alcohol.



NOTE

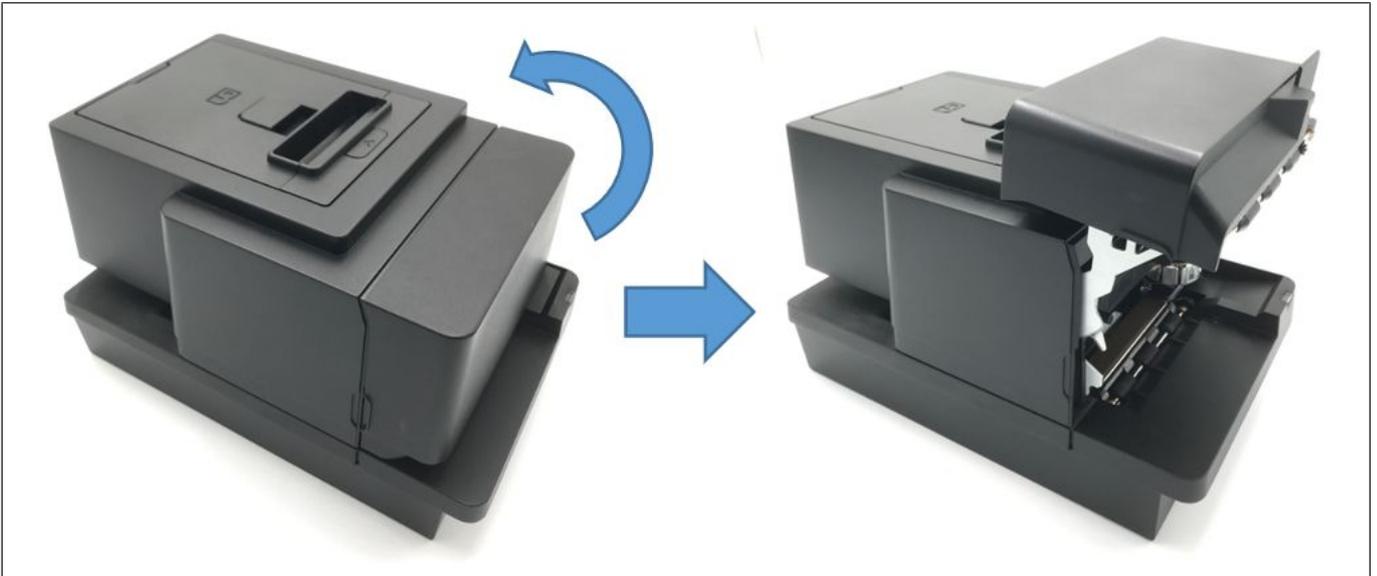
The thermal print head does not normally require cleaning if the recommended paper grades be used. If non-recommended paper has been used for an extended period, cleaning the print head with cotton swabs and rubbing alcohol will not be of much benefit.



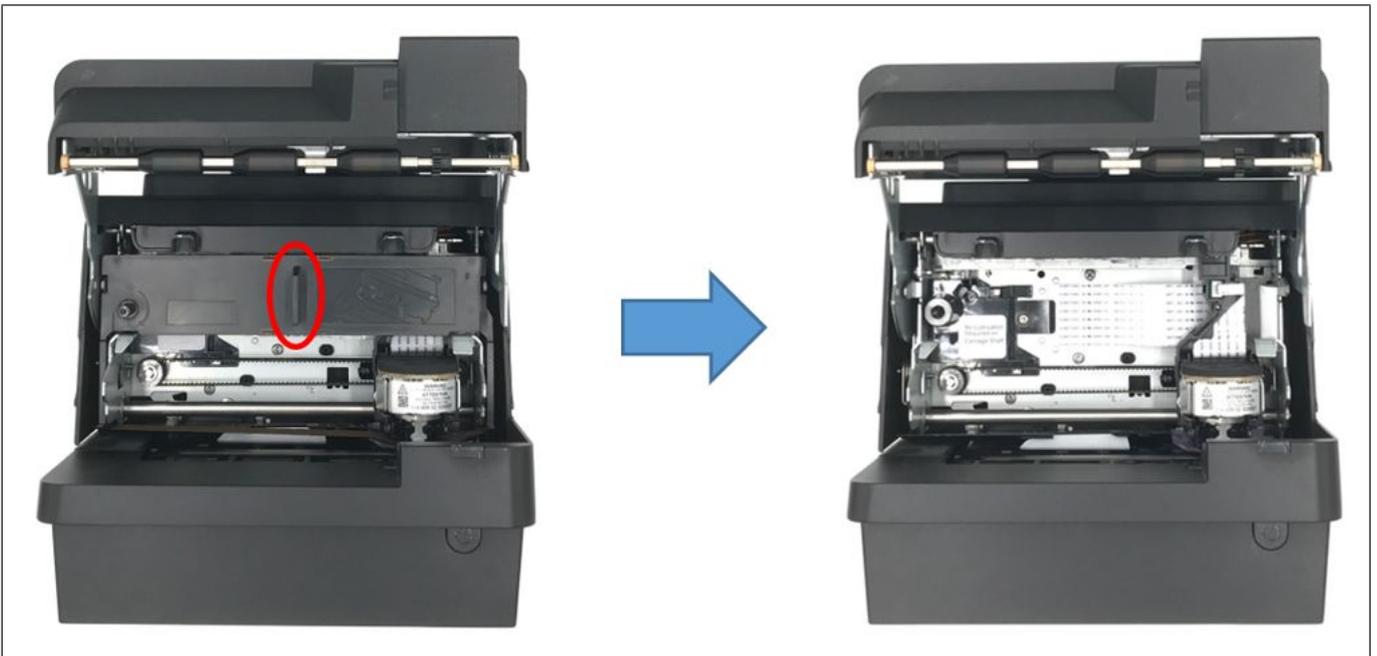
12.3 Replacing Ribbon Cassette

12.3.1 Removing Ribbon Cassette

1. Open the slip front cover.

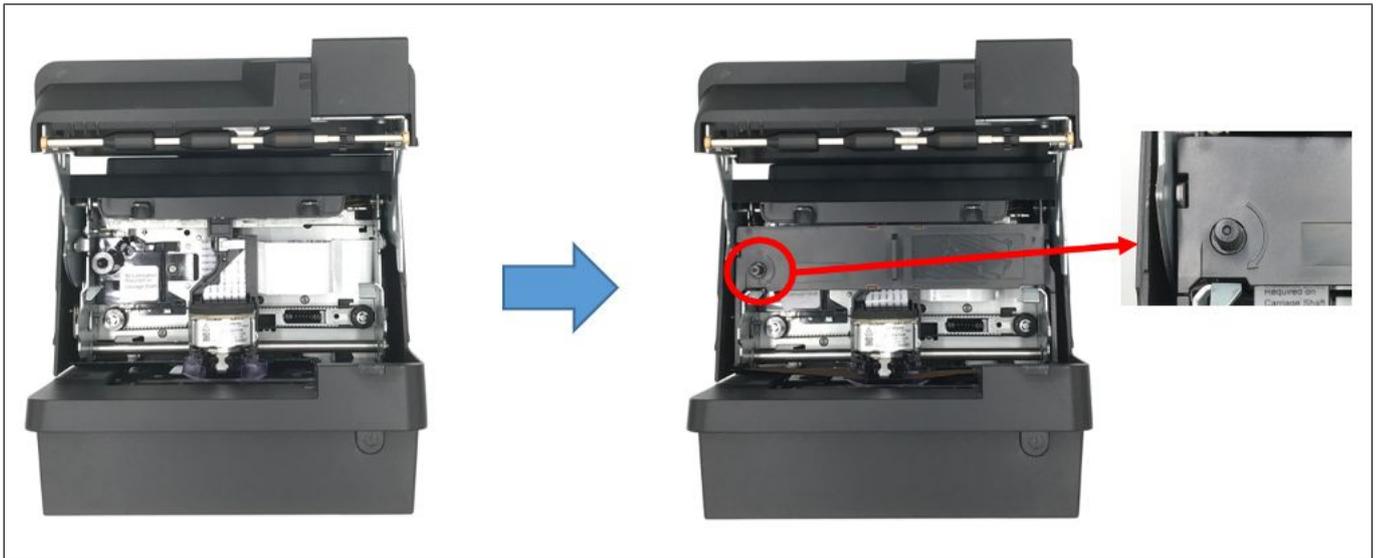


2. Use the handle on the cassette and remove the ribbon cassette from the printer.



12.3.2 Installing Ribbon Cassette

1. Tighten the ribbon fabric by turning the knob clockwise.

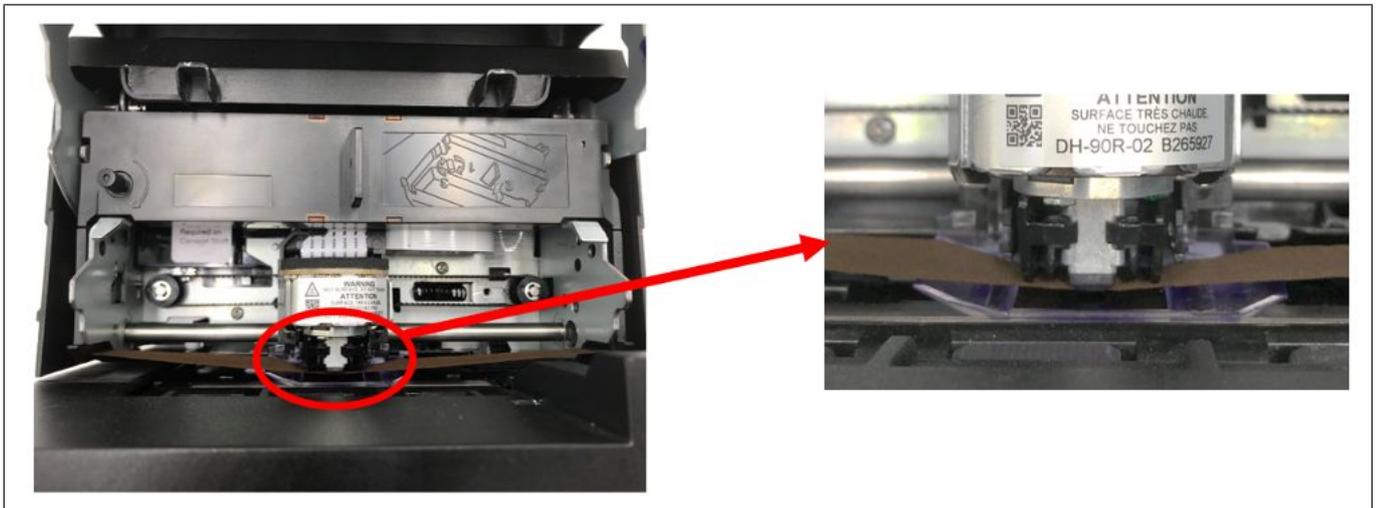


2. Position the slots on the left and right side of the ribbon cassette with the catches on the printer slip frame and push it into place.

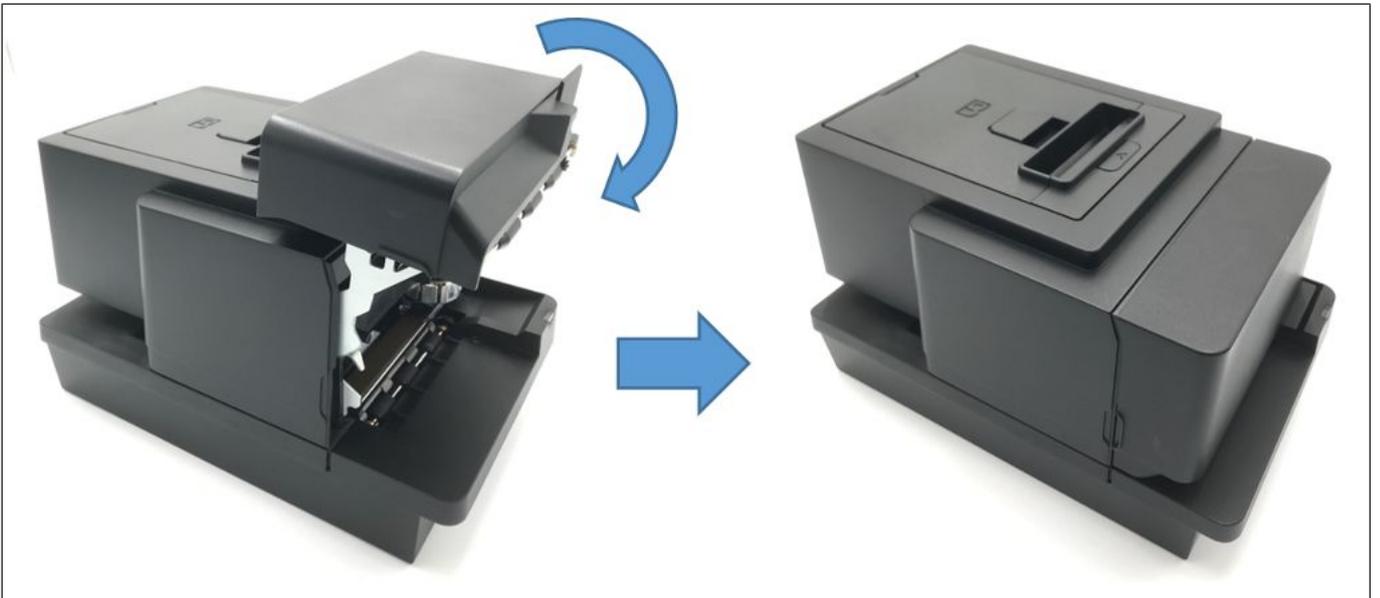


NOTE

Be sure the ribbon fabric is inserted between the bottom of the print head and the ribbon shield. To tighten the ribbon fabric of the cassette, rotate the knob.



3. Close the Slip Front Cover. Make sure the cover is fully closed.



13 TROUBLESHOOTING



NOTE

If you cannot solve a problem with the following solutions, do not attempt to repair it by yourself.

Turn the power supply off, unplug the printer, and then contact your authorized Diebold Nixdorf representative for assistance.

13.1 Removing Jammed Paper

1. When printer is jammed, the LED will show Amber color with Five blinks and Pause for 5 seconds.
2. Open the printer cover.
3. Remove the jammed paper. **DO NOT USE** any sharp implement or tool as these will damage the printer.



4. Re-load the receipt roll. Refer to (Loading the Paper Roll).
5. Close the printer top cover and the printer will be ready to use.

13.2 Resetting Cutter Failure or Jam

1. When the cutter is jammed, the LED will show Amber color with 3 blinks and pause for 5 seconds.



2. Open the printer Receipt Front Cover by pulling on the both sides as shown in the figure on the left.



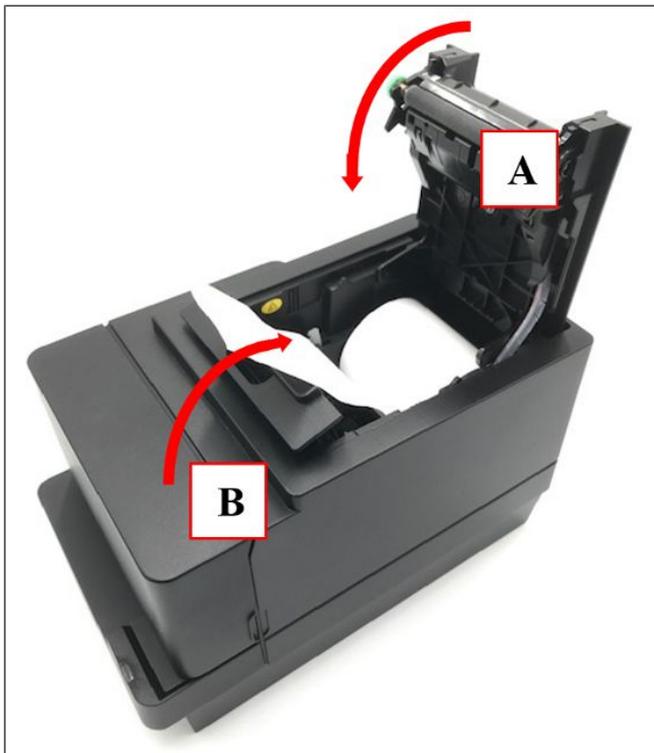
3. Flip to fully open the Receipt Front Cover.



4. Flip to open the top cover.



5. Remove any jammed paper and paper roll out from the printer. **DO NOT USE** any sharp implement or tool as these will damage the printer.

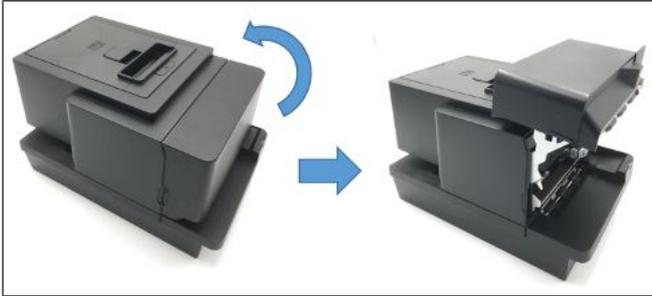


6. Close the printer top cover A first. Then, close the printer Receipt Front Cover B. The printer cutter will reset to the original position.

7. Then, Re-load the receipt roll. Refer to ([Section 10.8](#)) section for loading paper roll and the printer is ready to be use again after loading.

13.3 Slip Station Paper Jam Clearance

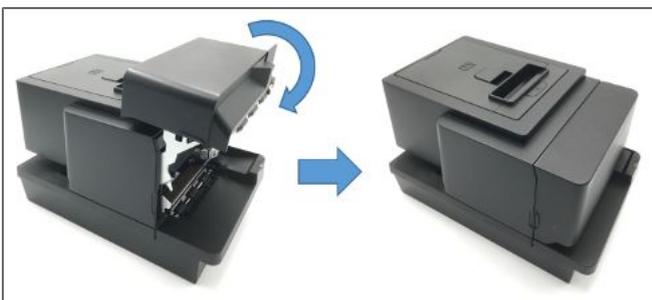
If paper jam during Slip printing, do the following steps to fix it:



1. Open Slip Front Cover.



2. Remove the paper jam.



3. Close Slip Front Cover.

13.4 Common Problems & Solutions

Power Supply Failure

Phenomenon	Cause	Check method	Solution
No power is supplied. (Power LED does not light.)	The power adapter DC cable is not connected to printer.	Check if the cable is connected properly.	Connect the specified power adapter DC cable to printer.
	The AC power cord is not connected to power adapter and wall outlet.	Check if the cable is connected properly.	Connect the AC power cord to power adapter and wall outlet.
	The wall outlet has problem.	If it is not a power failure, check if the power is supplied to the AC outlet with another electric appliance.	If not, contact your nearest power company.

Printing Failure

Phenomenon	Cause	Check method	Solution
Paper is not fed or is fed irregularly	The paper roll is not loaded properly	Check the paper roll if it is loaded properly.	Refer to (Section 10.8) section and load the receipt roll properly.
	The top or receipt front covers is not closed properly	Check if the LED status (refer to “LED Indication Table” in appendix) and check the cover position.	Close top cover and receipt front cover properly.
	The paper is jammed	Check if the LED status (refer to “LED Indication Table” in appendix) and check whether the paper is jammed or torn and caught inside the paper path.	Remove jammed paper from the paper path and set the paper properly.
No Printing when print job is sent from POS terminal	Interface cable is not connected properly	Check if the offline diagnostic printing work correctly. If yes, check the interface cable connection.	Connect the interface cable properly. Refer to (Section 10.1) section.
Void Printing (Paper comes out, but no characters are printed on the paper)	Wrong type of media inserted.	Check if the media is thermal.	Use the specified media.
	Paper Roll inserted wrongly.	Thermal coating should be in contact with printer head.	Insert correctly the paper roll. Refer to (Section 10.8) section.

Printing Failure

Phenomenon	Cause	Check method	Solution
Blurred or uneven print	Foreign object is attached to the print head.	Check whether any foreign objects are attached to the print head.	Clean print head with cotton swab or soft cloth slightly moistened with ethyl alcohol. Refer to (Cleaning the Thermal Print Head) section.
	Non recommended type of media loaded	Check if the media is of recommended type.	Contact the Diebold Nixdorf's dealer for the recommended paper.
	Faulty print head.	Check print head health if it is showing any warning dots.	Contact Diebold Nixdorf's dealer for service.

Cash Drawer Failure

Phenomenon	Cause	Check method	Solution
Cash drawer cannot be opened	The cash drawer cable is not connected properly	Check if the cash drawer cable is connected properly to the printer and cash drawer	Connect the cable properly. Refer to "Connecting via Cash Drawer"
	Incorrect cable is used	Check if the cable specification meets the requirement.	Use the cable which meets the specification.
	Cash drawer open function is not enabled in POS terminal	Check the setting in the POS terminal	Make sure the function is enabled in the POS terminal.

**NOTE**

If any problem occurs other than the above, please contact your authorized Diebold Nixdorf representative.

14 APPENDIX

14.1 Printer will feed 1-inch paper length under below scenario

Printer will feed 1-inch paper length when the printer cover open and close to check the paper near end status.

14.2 LED indication table

Table 14-1: Receipt Station LED indication

No	Printer Status	Cycle	Color	Control
1	Boot Up	NA	ALL	RED -> AMBER -> GREEN
2	Idle	NA	GREEN	ON
3	Printing	NA	GREEN	ON
4	Online Firmware Update	5 Hz	GREEN	BLINK
5	Standby mode	NA	GREEN	ON
6	Unrecoverable error in PCB block	2 Hz	RED	1 Blink Pause 5 seconds
7	Unrecoverable error in Thermal Head	2 Hz	RED	2 Blink Pause 5 seconds
8	Recoverable error in Thermal Head (Cool Down, Disconnected)	2 Hz	AMBER	2 Blink Pause 5 seconds
9	Recoverable error in Printer Cover	2 Hz	AMBER	3 Blink Pause 5 seconds
10	Recoverable error of Paper related	2 Hz	AMBER	4 Blink Pause 5 seconds
11	Recoverable error in Print block	2 Hz	AMBER	5 Blink Pause 5 seconds
12	Recoverable error in Cutter block	2 Hz	AMBER	6 Blink Pause 5 seconds
13	Warning for PCB	2 Hz	GREEN	1 Blink Pause 5 seconds
14	Warning for Paper related	2 Hz	GREEN	4 Blink Pause 5 seconds
15	Warning for not DN power supply	2 Hz	GREEN	5 Blink Pause 5 seconds

APPENDIX

Table 14-2: Slip Station LED indication

No	Printer Status	Cycle	Color	Control
1	Boot Up	NA	AMBER	AMBER -> OFF
2	Idle	NA	NA	OFF
3	Slip Active	NA	GREEN	ON
4	Standby mode	NA	NA	OFF
5	Waiting for Paper to insert	2 Hz	GREEN	BLINK
6	Recoverable error of Slip Cover	2 Hz	AMBER	3 Blink Pause 5 seconds
7	Recoverable error of Slip Jam	2 Hz	AMBER	4 Blink Pause 5 seconds
8	Recoverable error of Carrier Jam	2 Hz	AMBER	5 Blink Pause 5 seconds
9	Recoverable error of Shutter Jam	2 Hz	AMBER	6 Blink Pause 5 seconds

14.3 Sensor calibration value

Sensor Level from the Self Test print out shows the sensor value during sensor calibration.

P1300
Extended
Self Test

Hardware Information :
 Manufacturer : DIEBOLD-NIXDORF
 Serial number : 1234567890
 Manufactured Board : D
 Production Data : DD-MMM-YYYY
 Interface Board : USB (High-speed)
 RS232
 Cash Drawer

Slip Options :
 Wait for slip paper : Forever
 Clamp Delay : 0.5 second
 Print Justification : Enabled 1B 61 n
 Double High Print : Enabled 1B 21 10
 Right Side Spacing : Disabled 1B 20 n
 Minimum Units : Disabled 1D 50 x y
 Left Margin/Width : Enabled 1F 4C/57 L H

RS232 Settings :
 Parameter : 19200 – 8N1
 Handshake : DTR/DSR
 Receive Buffer : Large (64KB)
 Receive Error : Ignore

Paper NE setting :
 Paper core diameter : 18mm
 Paper thickness : 0.06mm
 Length adjustment : 0m

Software Modules :
 Firmware : XX.XX
 Booter : XX.XX
 Loader : XX.XX
 Status : Verified
 Character Font : StdCodePages
 Font Version : XX.XX
 Asia font : Japanese
 Font Version : XX.XX
 Installed font : Japanese
 Chinese
 Korean
 Big5
 GB18030
 Table : XX.XX

Sensor Level ON OFF TH LED
 Paper Low : 3.3V, 0.0V, 1.7V, 0.5V
 Paper Jam : 3.2V, 0.6V, 1.4V, 0.5V
 TOF : 2.9V, 0.2V, 2.0V, 0.8V
 BOF : 2.6V, 0.2V, 1.8V, 0.7V

Printer Settings :
 Emulation : P1300
 Automatic LF : enabled
 Power Button : enabled
 Power-ON Notice : don't transmit
 Paper-NE Notice : enabled
 Receipt Shooting : disabled
 Shoot Flush Time : enabled
 Sleep mode : disabled
 Max. Power : 110W
 Max. Speed : 14IPS
 Paper Width : 80mm
 Print Density : 100%
 Paper Type : Single color
 Single color type : Mode 1:FA paper
 Paper Mode : Mode 0
 Code-128 ChkDigit : enabled
 TIF Leading Zero : enabled
 Bcc String Term : enabled
 Leg. Printer Supp. : disabled
 Listen to RT-Cmds : always
 Default Code Page : PC437
 Autorecovery : off
 Orig.-Controller : yes

Measured Values :
 Supply Voltage : 24V
 Printhead Temp : XX.X 'C
 Dot Failure(Thermal Head) : 0 dots
 Dot Failure(Impact Head) : 0 dots

Installed Code Pages :

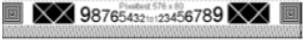
	Receipt	Slip
0 : PC437	Yes	Yes
1 : PC850	Yes	Yes
2 : PC852	Yes	Yes
3 : PC860	Yes	Yes
4 : PC863	Yes	Yes
5 : PC865	Yes	Yes
6 : PC858	Yes	Yes
7 : PC866	Yes	Yes
8 : WPC1252	Yes	Yes
9 : PC862	Yes	Yes
10 : PC737	Yes	Yes
11 : PC874	Yes	No
12 : PC857	Yes	Yes
13 : WPC1251	Yes	Yes
14 : WPC1255	Yes	Yes
15 : KZ 1048	Yes	No
16 : WPC1254	Yes	No
17 : WPC1250	Yes	No
18 : WPC28591	Yes	No
19 : WPC28592	Yes	No
20 : WPC28599	Yes	No
21 : WPC28605	Yes	No
22 : PC864	Yes	No
23 : PC720	Yes	No
24 : WPC1256	Yes	No
25 : WPC28596	Yes	No
26 : KATAKANA	Yes	No
27 : PC775	Yes	No
28 : WPC1257	Yes	No
29 : WPC28594	Yes	No
30 : WPC1253	Yes	No

It is shown if RS232 card is installed.

Statistic Report :

Dots Total	: 0
Dots Actual	: 0
Printhead Changes	: 0
Linefeeds Total	: 0
Linefeeds Actual	: 0
Mechanic Changes	: 0
Cuts Total	: 0
Cuts Actual	: 0
Cutter Changes	: 0
Cutter Errors	: 0
Max. Head Temp.	: 35°C
Thermistor Error	: 0
Low Volt. Error	: 0
High Volt. Error	: 0
Cover Open	: 0
FW Starts	: 1
Power On (Hours)	: 1
EEPROM Updates	: 5
EEPROM Status	: OK
Slip Lines Total	: 0
Slip Lines Actual	: 0
Slip Characters Total	: 0
Slip Characters Actual	: 0
Slip Cover Open	: 0
Slip Jam	: 0
Carriage Jam	: 0
Shutter Jam	: 0

Pixel Test :



Resolution: 1076 x 100
98765432102456789

14.4 Printer Cable List for P1300

RS232 Cables	
DN P/N	Description
1750279967	Data Cable RS232 1.5m
1750279968	Data Cable RS232 3.0m
1750279969	Data Cable RS232 5.0m
1750356601	Data Cable RS232 9F-9M 1.5m BK
1750356602	Data Cable RS232 9F-9M 3.0m BK
1750356603	Data Cable RS232 9F-9M 5.0m BK
USB-A to USB-B	
DN P/N	Description
1750053621	USB-cable A-B 0.5M bk
1750053622	USB-cable A-B 1.0M bk
1750053623	USB-cable A-B 1.5M bk
1750053624	USB-cable A-B 2.0M bk
1750053627	USB-cable A-B 3.5M bk
1750053628	USB-cable A-B 4.0M bk
1750053629	USB-cable A-B 5.0M bk
1750097793	USB-cable A-B 4.5M bk
Y-Cable PUSB 24V to USB-B w/ HOS3pin	
DN P/N	Description
1750185395	Y-cable pUSB 24V USB-B HOS3pin 1.10M bk
1750273903	Y-cable pUSB 24V USB-B HOS3pin 1.5M bk
1750211092	Y-cable pUSB 24V USB-B HOS3pin 3.10M bk
Y-Cable PUSB 24V to USB-B w/ HOS3pin (PowerID)	
DN P/N	Description

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1750357392	Y-Cable PUSB 24V(ID) USB-B HOS3P 1.1M bk
1750357393	Y-Cable PUSB 24V(ID) USB-B HOS3P 3.1M bk
1750357394	Y-Cable PUSB 24V(ID) USB-B HOS3P 5.0M bk
USB-C to Y-Cable 24V w/ USB-B & HOS3pin (PowerID)	
DN P/N	Description
1750350793	USB-C Y-cable 24V Printer 1m
1750350794	USB-C Y-cable 24V Printer 3m
1750350795	USB-C Y-cable 24V Printer 4m

DIEBOLD NIXDORF

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