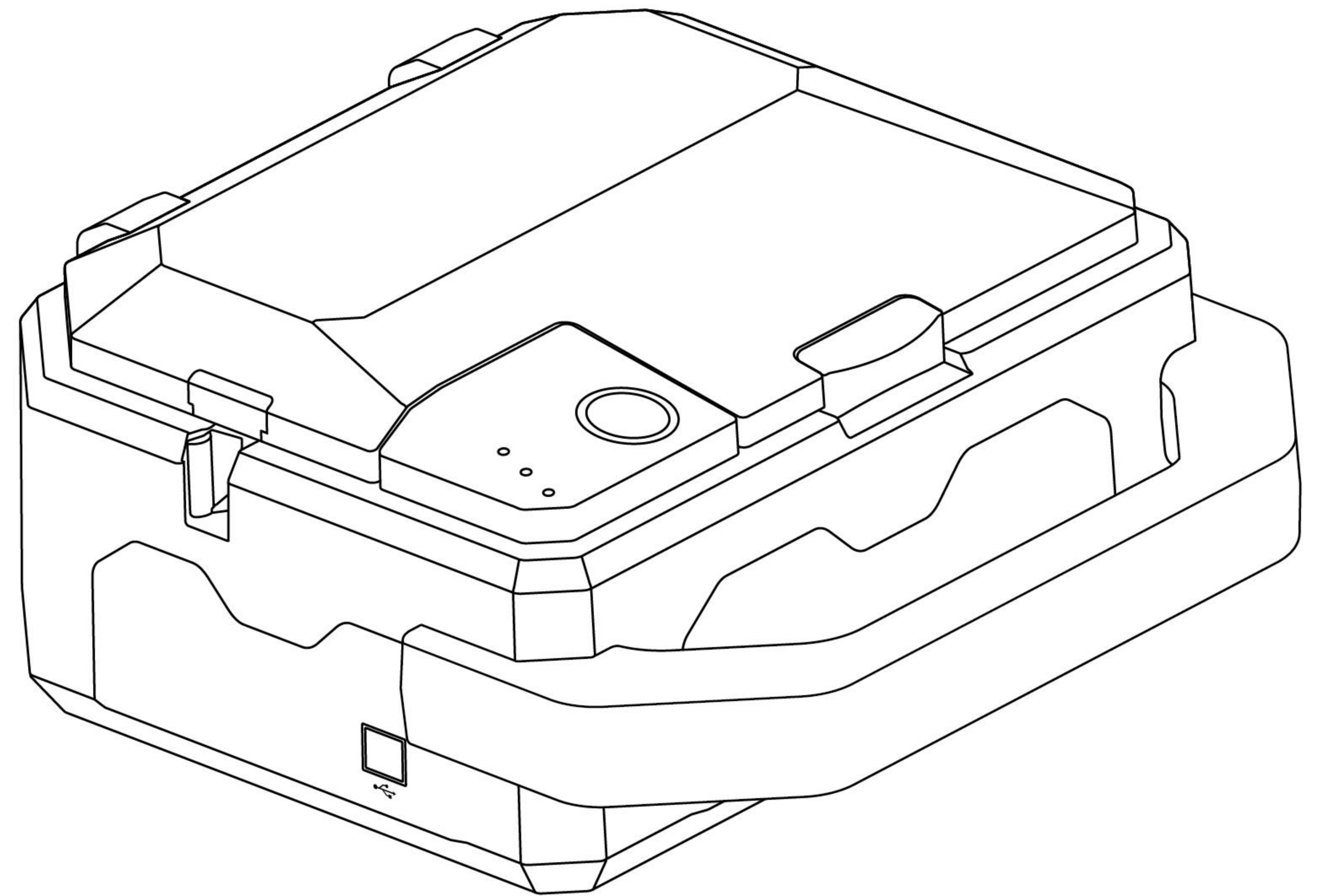


NIIMBOT

User Manual

Smart Tube Printer



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NIIMBOT C1



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Disclaimer

Wuhan Jingchen Intelligent Identification Technology Co., Ltd. is solely responsible for revising and interpreting this manual and strives to ensure its accuracy. Technical improvements to the product may be made without prior notice. The illustrations of the product, accessories, software interfaces, etc., in this manual are schematic diagrams for reference only. Due to product updates and upgrades, the actual product may differ slightly from the diagrams. In case of differences, the actual product shall prevail.



Surface-heating component!

Holding this component will burn your fingers. Wait for 1.5 hours after the switch is turned off before touching.



Don't put your fingers into this opening.



This item has sharp edges. Do not touch the metal parts on the edges.

01 Packaging Contents

EN

01-1 Packaged Accessories



Smart Tube Printer ×1



User Manual ×1



Power Adapter ×1



Type-B USB Cable × 1

01-2 Built-in Consumable Accessories



Ribbon Cartridge



Cutter Assembly



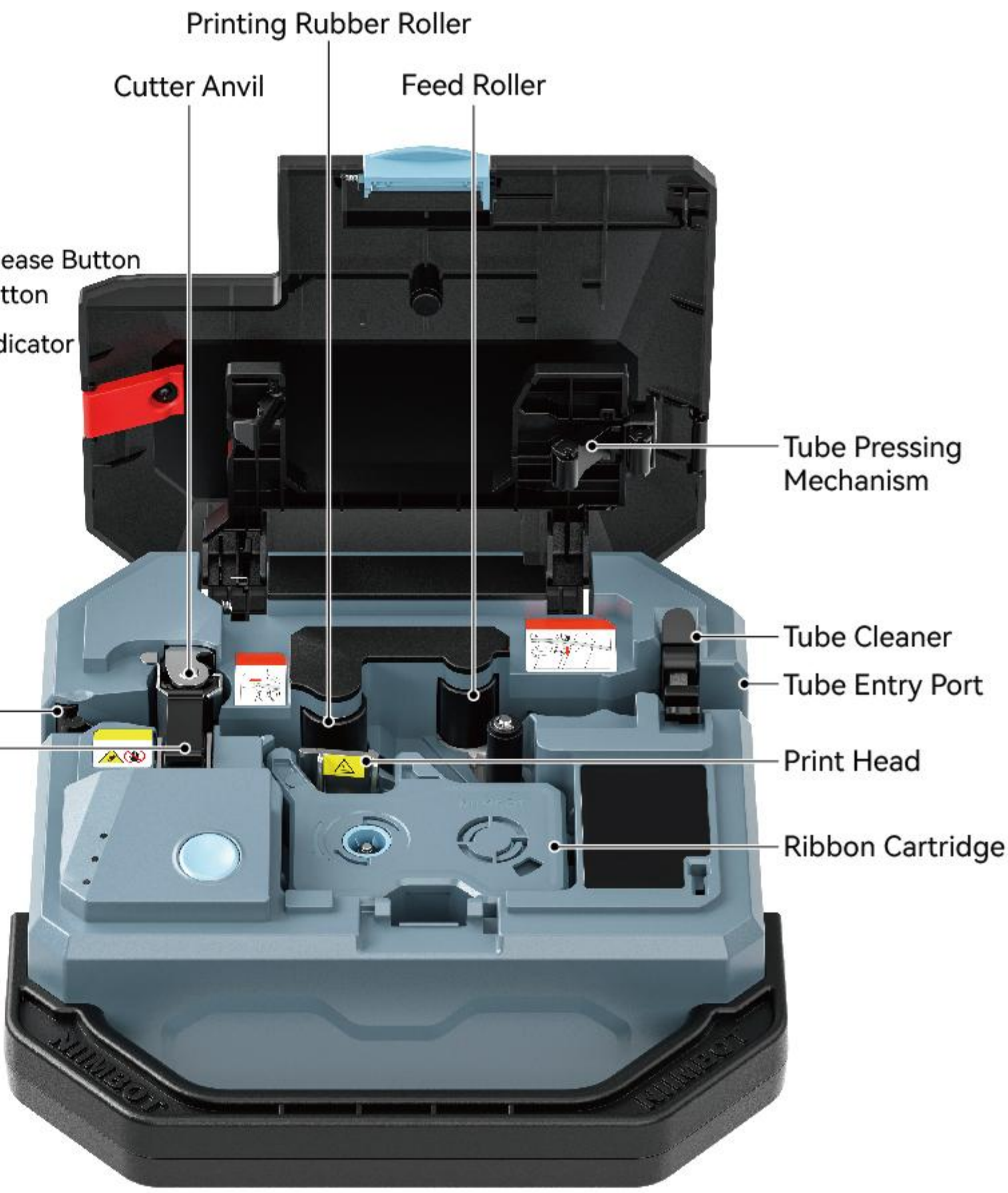
Cleaner

02 Product Components Description

02-1 Exterior Components



02-2 Internal Components



03 Product Operation Guide

03-1 Power On/Off

Power On: Press and hold the power button for 3 seconds. The power indicator will illuminate, and a startup tone will sound, ascending in pitch.

Power Off: Press and hold the power button again for 3 seconds. The power indicator will illuminate, and a shutdown tone will sound, descending in pitch.



03-2 Loading the Tube

- 1 Push the cover release button upward
- 2 Pull out a section of the tube and align its front end with the "Tube Loading Indicator" mark. Insert the entire tube into the printer from top to bottom, then press the tail end into the cleaning pad.
- 3 Close the cover



03-3 Removing the Tube

After printing, the tube will be automatically cut (full cut). Partial cuts (half cuts) can also be made between tubes.

*Tube Loading Precautions:

1. If the tube tip is bent due to twisting or other reasons, straighten it before insertion, or trim off the bent portion before putting it into the printer.
 2. Ensure the tube is fully pressed down to the base.
- To prevent the print medium from running out during printing or to prevent shortened medium from getting stuck inside the printer, use a tube of sufficient length.
 - Do not use the following types of tubes. Otherwise, they may result in poor print quality or cause malfunctions.
 - Damaged ● Crushed ● Twisted ● Uneven thickness
 - Dirty ● Uneven ● Wet
 - Do not print on dirty tubes. Wipe off any dirt or dust with a dry cloth. Avoid using tubes with stubborn oil stains or other unremovable marks.
 - Clean or replace the attached cleaner regularly. Dirt on the cleaner may cause smudged prints.



*Printing Notes:

- After printing, remove the printed medium from the printer to prevent it from warping or deformation.
- Do not place objects near the printer's exit. Blockages may cause the tube to eject unevenly, resulting in crooked cuts.
- Do not pull the tube forcibly while printing. Doing so may result in printing failure or malfunction.

03-4 Ribbon Replacement and Installation

- ① Open the printer cover
- ② Remove the ribbon from the ribbon compartment
- ③ Insert the new ribbon into the ribbon compartment until it clicks into place
- ④ Close the cover to complete the ribbon replacement



*Note:

1. Do not tear off the ribbon label, otherwise, the ribbon information may become unreadable.
2. When a cable marker tube is loaded in the printer and the ribbon is not inserted tightly, there is a risk of tube blockage.

04 Software Download

Software Name	Download Method	Operation Instructions
 NIIMBOT Recommended for commercial use	Search and download from app store  	
 NIIMBOT	Please open the link on a computer: niim.cc	

05 Charging Instructions

- ① Insert the AC adapter into the printer's charging port.
- ② Plug the power cord into an electrical outlet. Once powered on, the status indicator will flash yellow.



*Note:

1. Please use only the original power adapter provided by NIIMBOT.
2. Do not disconnect the AC adapter during printing, as this may cause printing errors.
3. When printing on battery power, even if the AC adapter is connected during printing, the power source will not switch until printing is complete.
4. Do not disassemble the product to replace the battery by yourself—improper replacement may cause an explosion. Using incorrect battery types may compromise safety protections. Do not throw batteries into a fire or heating oven, or expose them to mechanical stress (crushing/cutting), as this may cause an explosion. Also, avoid extremely high-temperature or low-pressure environments, which may lead to an explosion or leakage of flammable liquid or gas. Improper battery replacement can be dangerous and may cause an explosion. Replace only with the same battery type and dispose of used batteries properly according to instructions.

06 Product Maintenance

Friendly tip: Regular maintenance is recommended to maintain optimal performance and extend the printer's lifespan.

Maintenance note: Always power off and disconnect the power adapter before cleaning.

06-1 Printer Cleaning

1. Use a soft, dry cloth to wipe dust and stains from the printer.
2. For stubborn stains, slightly dampen the cloth before wiping.
3. Clean the cutter slot and remove cutting debris promptly.

Note: Do not use paint thinner, benzene, alcohol, or other organic solvents as they may deform the printer's casing or damage its appearance.

06-2 Print Head Cleaning

If streaks or blurred prints appear on the printed tube, the print head may be dirty. Clean it using a dry cotton swab.

*Note:

1. Do not touch the print head directly with bare hands—it may be hot and cause burns.
2. Do not use alcohol, thinner, or other flammable solvents to clean the printer, as this may cause fire or electric shock.



06-3 Feed Roller Cleaning

If printing is unclear or the medium fails to be fed properly, the feed roller may be dirty. Clean it approximately once a month.

Cleaning steps:

1. Open the cover and remove the tube and ribbon
2. Use a cotton swab or lint-free cloth to wipe dirt off the feed roller

*CAUTION: Do not use alcohol, thinner, or other flammable solvents to clean the printer, as this may cause fire or electric shock.



06-4 Cutter Replacement

After repeated use, material buildup may dull the cutter blade, causing tube jams or poor cutting performance. Replace the cutter as illustrated.

*Note: For optimal performance, replace the cutter every 30,000 cuts (when using 1.5mm² PVC tubes).

06-5 Cutter Anvil Replacement

After repeated use, scratches on the cutter anvil may affect cutting quality. Replace the anvil as illustrated.



06-6 Cleaner Maintenance/Replacement

Remove the cleaner as shown, and clean dirt from the sponge. Replace the entire cleaner if the sponge is damaged.



06-7 Troubleshooting

Tube Jam

If a tube gets stuck inside the printer, the APP will display a "Tube Jam" message, and the printing will be canceled. Follow the steps below to remove the printing medium:

(For smooth tube feeding during printing, it is recommended to use a tube holder to organize cable marker tubes)

- ❶ Open the cover
- ❷ Remove the ribbon
- ❸ Remove the tube
- ❹ Cut off the bent or damaged part of the stuck tube or the unprinted portion
- ❺ Insert the ribbon and tube
- ❻ Close the cover



07 Troubleshooting

Problem Description	Possible Cause / Check Items	Solutions
Unable to turn on	Check if the battery is low	Connect to power supply
After powering on, the status indicator lights up red	Check if the ribbon is installed	Please install the ribbon
	Check whether the tube is loaded	Please load the tube
Blurry/unclear printing Misaligned printing Print content missing or blurry	Is the type and size of the printing tube selected in the print settings the same as the actual loaded tube?	Check the installed printing tube and correctly set the tube type and size
	Check whether the tube is twisted, warped or deformed	Please straighten or trim bent sections before loading
	Check the tube for dirt	Wipe off any dirt or dust with a dry cloth. Avoid using tubes with oil stains or stubborn dirt
	Check if the print density is appropriate?	Increase the print density to a darker setting
	Check the feed roller for dirt	Clean the feed roller (recommended monthly)
	Check the print head for dirt	Clean the print head (recommended monthly)
	Check whether the operating environment is suitable	Please use it in an ambient temperature range of 10°C to 35°C
Unable to perform full cut Unable to perform half cut Half-cut is too deep	Are the cutter and cutter anvil correctly positioned?	Refer to the cutter replacement instructions
	Is the cutting depth appropriate?	Adjust the cutting depth
	Is it time to replace the cutter?	Replace the cutter and cutter anvil
Incorrect cutting position Print area has been cut Angled cutting on the tube	Check whether the tube is twisted, warped or deformed	Please straighten or trim bent sections before loading
	Depending on tube material and environment, the print position may shift, or the length of a tube segment may differ from the setting.	Fine-tune the print position with the segment length calibration function in the APP
Abnormal cutting (half/full cut)	Cutter not fully installed	Press cutter until it clicks into place
Cover pops open	Incomplete closure after loading large-diameter tube	Firmly close cover until a click is heard
Faint gray edge lines (wide tubes)	Due to ribbon edge scraping	Can be wiped off
No response after power-on/other printing abnormalities	Check whether a non-standard charger is used	Standard charger used
Incorrect tube cut length	Calibration of tube feeding is required for tubes of different specifications	Perform "tube feeding calibration" after switching tube types

08 Warranty & Repair Services

Due to regional/national policy differences, specific warranty terms (including duration and coverage) are subject to the after-sales policy of your purchase channel. To claim after-sales service, contact the sales channel or authorized dealer from which you purchased the product and provide proof of purchase (e.g., invoice, order number) to confirm your after-sales rights.

09 Product Parameters/Specifications

09-1 Product Parameters

Product Name		NIIMBOT C1
Parameters	Print Method	Thermal transfer
	Print Accuracy	300dpi
	Print Speed	Max 38 segments/min (20mm/segment)
	Effective Print Width	9mm
	Print length	10-100mm
	Cutting Mode	Auto half-cut, auto full-cut
	Connection	Bluetooth 5.0 (Bluetooth Low Energy), Type-B USB
Power Supply	AC adapter	12V DC, 2.5A
	Built-In Li-Ion Battery	2,600mAh
Operating Environment	Temperature	10°C - 35°C
	Humidity	15%RH ~ 85%RH
Appearance	Dimensions	231*240*105mm
	Weight	2.1kg

09-2 Tube Specifications

Type	Size Range
Cable Marker Tube	0.5 ² , 0.75 ² , 1 ² , 1.5 ² , 2.5 ² , 4 ² , 6 ² , 8 ² , 10 ² , 16 ² , 25 ² Wall thickness: 0.4 - 0.6mm
Heat Shrink Tube	ø1, ø1.5, ø2, ø2.5, ø3, ø4, ø5, ø6



09-3 Indicator Descriptions

Type	Color	State	Description
Power Light	---	Off	Not powered on
	Green	Solid	Powered on, battery ≥50%
	Yellow	Solid	Powered on, battery 20–50%
	Red	Solid	Powered on, battery <20%
Connection Light	---	Off	Powered on, no Bluetooth/USB connection
	Green	Solid	Bluetooth/USB connected
		Flash blink	Printing/paused
		Slow blink	Firmware updating
Status Light	---	Off	No errors
	Yellow	Solid	Fully charged (in shutdown state)
		Flash blink	Charging (whether powered on or not)
	Red	Solid	Error: No ribbon/tube, tube jam, etc. Printing abnormalities